

# Milwaukee®

Nothing but **HEAVY DUTY.**™



# 2026

ACCESSORIES CATALOGUE



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# NEXT GEN SDS-PLUS DRILL BITS



**SPEED AND HEAVY-DUTY®  
FLUTE DESIGN**

**4-CUTTER  
SOLID CARBIDE**



**CONVEX  
SHANK END**

**PRECISION  
GERMAN  
ENGINEERING**

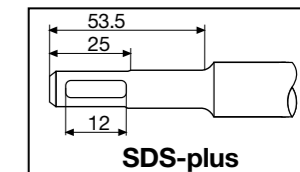
**PGM®  
RATED**



**TARGET TIP  
TECHNOLOGY**

**FULLY-WELDED  
HEAD EXPANSION**

## SDS-Plus MX4 drill bits - 4 cut



The Milwaukee MX4™ SDS-Plus drill bit is engineered for the toughest applications, featuring innovative fully welded solid carbide tip technology (up to Ø 20 mm) for maximum durability in rebar and unmatched drilling speed in concrete.

4-Cutter solid carbide tip: Enhanced geometry with a sharp centering tip, rebar guards, and new dust grooves delivers clean starts, precise holes, and maximum life when drilling through rebar - even under extreme jobsite conditions.

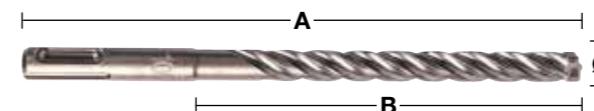
Optimised flute design with reinforced core: A thicker core combined with alternating SPEED and HEAVY-DUTY spirals ensures fast debris removal, reduced friction, and superior stability in demanding applications.

Convex shank for maximum energy transfer: The convex shank end optimises energy transfer from tool to tip, boosting impact force, drilling efficiency, and jobsite productivity.

One-Piece slotted carbide tip for Ø > 20 mm: For large-diameter concrete drilling, this design offers exceptional strength, extended bit life, and break resistance in heavy-duty use.

PGM certified: Meets industry standards for precision and safety, making it the ideal choice for anchor setting.

Made in Germany: Manufactured to the highest standards for uncompromising quality, reliability, and performance on every jobsite.



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pre-drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|-----------|---------------|---------------------|----------------|---------------|
| 3.5           | 115                 | 50                    |           | 1             | 1                   | 4932500056     | 4058546572204 |
| 3.5           | 165                 | 100                   |           | 1             | 1                   | 4932500057     | 4058546572211 |
| 4             | 115                 | 50                    |           | 1             | 1                   | 4932500058     | 4058546572228 |
| 4             | 165                 | 100                   |           | 1             | 1                   | 4932500059     | 4058546572235 |
| 5             | 115                 | 50                    |           | 1             | 1                   | 4932352007     | 4002395366644 |
| 5             | 165                 | 100                   |           | 1             | 1                   | 4932352008     | 4002395368891 |
| 5             | 215                 | 150                   |           | 1             | 1                   | 4932478465     | 4058546346560 |
| 5             | 265                 | 200                   |           | 1             | 1                   | 4932478466     | 4058546346577 |
| 5             | 315                 | 250                   |           | 1             | 1                   | 4932478467     | 4058546346584 |
| 5.5           | 115                 | 50                    |           | 1             | 1                   | 4932352009     | 4002395368907 |
| 5.5           | 165                 | 100                   |           | 1             | 1                   | 4932352010     | 4002395368914 |
| 5.5           | 215                 | 150                   |           | 1             | 1                   | 4932478469     | 4058546346607 |
| 5.5           | 315                 | 250                   |           | 1             | 1                   | 4932478470     | 4058546346614 |
| 6             | 115                 | 50                    |           | 1             | 1                   | 4932352011     | 4002395368921 |
| 6             | 165                 | 100                   |           | 1             | 1                   | 4932352012     | 4002395368938 |
| 6             | 215                 | 150                   |           | 1             | 1                   | 4932352013     | 4002395366705 |
| 6             | 265                 | 200                   |           | 1             | 1                   | 4932352014     | 4002395366712 |
| 6             | 315                 | 250                   |           | 1             | 1                   | 4932352015     | 4002395366729 |
| 6.5           | 115                 | 50                    |           | 1             | 1                   | 4932492017     | 4058546413293 |
| 6.5           | 165                 | 100                   |           | 1             | 1                   | 4932430146     | 4002395378074 |
| 6.5           | 215                 | 150                   |           | 1             | 1                   | 4932352016     | 4002395366736 |
| 6.5           | 265                 | 200                   |           | 1             | 1                   | 4932352017     | 4002395366743 |
| 6.5           | 315                 | 250                   |           | 1             | 1                   | 4932352018     | 4002395366750 |
| 6.5           | 465                 | 400                   |           | 1             | 1                   | 4932464596     | 4058546225414 |
| 7             | 115                 | 50                    |           | 1             | 1                   | 4932352019     | 4002395366767 |
| 7             | 165                 | 100                   |           | 1             | 1                   | 4932352020     | 4002395366774 |
| 7             | 215                 | 150                   |           | 1             | 1                   | 4932492018     | 4058546413309 |
| 8             | 115                 | 50                    |           | 1             | 1                   | 4932352021     | 4002395366781 |
| 8             | 165                 | 100                   |           | 1             | 1                   | 4932352022     | 4002395366798 |
| 8             | 215                 | 150                   |           | 1             | 1                   | 4932352023     | 4002395366804 |
| 8             | 265                 | 200                   |           | 1             | 1                   | 4932352024     | 4002395366811 |
| 8             | 315                 | 250                   |           | 1             | 1                   | 4932352712     | 4002395373703 |
| 8             | 365                 | 300                   |           | 1             | 1                   | 4932492019     | 4058546413316 |
| 8             | 465                 | 400                   | ✓         | 1             | 1                   | 4932352713     | 4002395373710 |
| 9             | 165                 | 100                   |           | 1             | 1                   | 4932352944     | 4002395376025 |
| 9             | 215                 | 150                   |           | 1             | 1                   | 4932492020     | 4058546413323 |
| 10            | 115                 | 50                    |           | 1             | 1                   | 4932352025     | 4002395366828 |
| 10            | 165                 | 100                   |           | 1             | 1                   | 4932352026     | 4002395366835 |
| 10            | 215                 | 150                   |           | 1             | 1                   | 4932352027     | 4002395366842 |
| 10            | 265                 | 200                   |           | 1             | 1                   | 4932352028     | 4002395366859 |
| 10            | 315                 | 250                   |           | 1             | 1                   | 4932352029     | 4002395366866 |
| 10            | 365                 | 300                   |           | 1             | 1                   | 4932492021     | 4058546413330 |
| 10            | 455                 | 400                   | ✓         | 1             | 1                   | 4932352030     | 4002395366873 |
| 10            | 600                 | 540                   | ✓         | 1             | 1                   | 4932352945     | 4002395376032 |

✓ Pre drill with a short drill bit of the same diameter.

### SDS-Plus MX4 drill bits - 4 cut

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pre-drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|-----------|---------------|---------------------|----------------|---------------|
| 10            | 1000                | 940                   | ✓         | 1             | 1                   | 4932352946     | 4002395376049 |
| 11            | 165                 | 100                   |           | 1             | 1                   | 4932492022     | 4058546413347 |
| 11            | 215                 | 150                   |           | 1             | 1                   | 4932492023     | 4058546413354 |
| 12            | 165                 | 110                   |           | 1             | 1                   | 4932352031     | 4002395366880 |
| 12            | 215                 | 160                   |           | 1             | 1                   | 4932352032     | 4002395366897 |
| 12            | 265                 | 210                   |           | 1             | 1                   | 4932352033     | 4002395366903 |
| 12            | 315                 | 260                   |           | 1             | 1                   | 4932352034     | 4002395366910 |
| 12            | 360                 | 300                   |           | 1             | 1                   | 4932492024     | 4058546413361 |
| 12            | 450                 | 400                   | ✓         | 1             | 1                   | 4932352035     | 4002395366927 |
| 12            | 600                 | 550                   | ✓         | 1             | 1                   | 4932352947     | 4002395376056 |
| 12            | 1000                | 940                   | ✓         | 1             | 1                   | 4932352948     | 4002395376063 |
| 13            | 165                 | 100                   |           | 1             | 1                   | 4932492025     | 4058546413378 |
| 13            | 215                 | 150                   |           | 1             | 1                   | 4932492026     | 4058546413385 |
| 14            | 165                 | 110                   |           | 1             | 1                   | 4932352036     | 4002395366934 |
| 14            | 215                 | 150                   |           | 1             | 1                   | 4932352037     | 4002395366941 |
| 14            | 265                 | 200                   |           | 1             | 1                   | 4932352949     | 4002395376070 |
| 14            | 315                 | 260                   |           | 1             | 1                   | 4932352038     | 4002395366958 |
| 14            | 380                 | 330                   |           | 1             | 1                   | 4932478473     | 4058546346645 |
| 14            | 450                 | 400                   | ✓         | 1             | 1                   | 4932352039     | 4002395366965 |
| 14            | 600                 | 550                   | ✓         | 1             | 1                   | 4932352950     | 4002395376087 |
| 14            | 1000                | 950                   | ✓         | 1             | 1                   | 4932352951     | 4002395376094 |
| 15            | 165                 | 100                   |           | 1             | 1                   | 4932430725     | 4002395383863 |
| 15            | 265                 | 200                   |           | 1             | 1                   | 4932352952     | 4002395376100 |
| 15            | 450                 | 400                   | ✓         | 1             | 1                   | 4932492027     | 4058546413392 |
| 16            | 165                 | 110                   |           | 1             | 1                   | 4932430726     | 4002395383870 |
| 16            | 215                 | 160                   |           | 1             | 1                   | 4932352953     | 4002395376117 |
| 16            | 265                 | 210                   |           | 1             | 1                   | 4932352819     | 4002395374779 |
| 16            | 315                 | 260                   |           | 1             | 1                   | 4932352954     | 4002395376124 |
| 16            | 450                 | 400                   |           | 1             | 1                   | 4932352820     | 4002395374786 |
| 16            | 600                 | 540                   | ✓         | 1             | 1                   | 4932352955     | 4002395376131 |
| 16            | 1000                | 950                   | ✓         | 1             | 1                   | 4932352956     | 4002395376148 |
| 17            | 215                 | 150                   |           | 1             | 1                   | 4932478474     | 4058546346652 |
| 18            | 200                 | 150                   |           | 1             | 1                   | 4932478899     | 4058546361815 |
| 18            | 250                 | 200                   |           | 1             | 1                   | 4932356502     | 4002395320950 |
| 18            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356503     | 4002395320967 |
| 18            | 600                 | 550                   | ✓         | 1             | 1                   | 4932492028     | 4058546413408 |
| 18            | 1000                | 940                   | ✓         | 1             | 1                   | 4932479345     | 4058546371395 |
| 20            | 250                 | 200                   |           | 1             | 1                   | 4932356504     | 4002395320974 |
| 20            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356505     | 4002395320981 |
| 20            | 600                 | 550                   | ✓         | 1             | 1                   | 4932492029     | 4058546413415 |
| 20            | 1000                | 940                   | ✓         | 1             | 1                   | 4932479346     | 4058546371401 |
| 22            | 250                 | 200                   |           | 1             | 1                   | 4932399332     | 4002395359608 |
| 22            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356506     | 4002395320998 |
| 22            | 1000                | 940                   | ✓         | 1             | 1                   | 4932479347     | 4058546371418 |
| 24            | 250                 | 200                   |           | 1             | 1                   | 4932356507     | 4002395321001 |
| 24            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356508     | 4002395321018 |
| 24            | 1000                | 940                   | ✓         | 1             | 1                   | 4932479348     | 4058546371425 |
| 25            | 250                 | 200                   |           | 1             | 1                   | 4932399333     | 4002395359615 |
| 25            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356509     | 4002395321025 |
| 25            | 1000                | 940                   | ✓         | 1             | 1                   | 4932479349     | 4058546371432 |
| 28            | 250                 | 200                   |           | 1             | 1                   | 4932399334     | 4002395359622 |
| 28            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356510     | 4002395321032 |
| 30            | 250                 | 200                   |           | 1             | 1                   | 4932399335     | 4002395359639 |
| 30            | 450                 | 400                   | ✓         | 1             | 1                   | 4932356511     | 4002395321049 |
| 32            | 450                 | 400                   | ✓         | 1             | 1                   | 4932399336     | 4002395359646 |

✓ Pre drill with a short drill bit of the same diameter.

### SDS-Plus MX4 drill bits - 4 cut / 10 pack

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 5             | 115                 | 50                    | 10            | 1                   | 4932352040     | 4002395366972 |
| 5             | 165                 | 100                   | 10            | 1                   | 4932471250     | 4058546288785 |
| 5.5           | 115                 | 50                    | 10            | 1                   | 4932471251     | 4058546288792 |
| 5.5           | 165                 | 100                   | 10            | 1                   | 4932352041     | 4002395366989 |
| 6             | 115                 | 50                    | 10            | 1                   | 4932352042     | 4002395366996 |
| 6             | 165                 | 100                   | 10            | 1                   | 4932352043     | 4002395367009 |
| 6             | 215                 | 150                   | 10            | 1                   | 4932430234     | 4002395378951 |
| 6             | 265                 | 200                   | 10            | 1                   | 4932471252     | 4058546288808 |
| 6.5           | 165                 | 100                   | 10            | 1                   | 4932479556     | 4058546373504 |
| 6.5           | 215                 | 150                   | 10            | 1                   | 4932430235     | 4002395378968 |
| 6.5           | 265                 | 200                   | 10            | 1                   | 4932459588     | 4058546027605 |
| 7             | 165                 | 100                   | 10            | 1                   | 4932352044     | 4002395367016 |
| 8             | 115                 | 50                    | 10            | 1                   | 4932352045     | 4002395367023 |
| 8             | 165                 | 100                   | 10            | 1                   | 4932352046     | 4002395367030 |
| 8             | 215                 | 150                   | 10            | 1                   | 4932464872     | 4058546228170 |
| 8             | 265                 | 200                   | 10            | 1                   | 4932471253     | 4058546288815 |
| 10            | 165                 | 100                   | 10            | 1                   | 4932352047     | 4002395367047 |
| 10            | 215                 | 150                   | 10            | 1                   | 4932352048     | 4002395367054 |
| 10            | 265                 | 200                   | 10            | 1                   | 4932471254     | 4058546288822 |
| 10            | 315                 | 250                   | 10            | 1                   | 4932471255     | 4058546288839 |
| 12            | 165                 | 100                   | 10            | 1                   | 4932352049     | 4002395367061 |
| 12            | 215                 | 150                   | 10            | 1                   | 4932352050     | 4002395367078 |
| 12            | 265                 | 200                   | 10            | 1                   | 4932471256     | 4058546288846 |
| 14            | 215                 | 150                   | 10            | 1                   | 4932471257     | 4058546288853 |
| 16            | 265                 | 200                   | 10            | 1                   | 4932471258     | 4058546288860 |

### SDS-Plus MX4 drill bits - 4 cut / 50 pack

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 5.5           | 165                 | 100                   | 50            | 1                   | 4932472234     | 4058546326302 |
| 6             | 115                 | 50                    | 50            | 1                   | 4932430437     | 4002395380985 |
| 6             | 165                 | 100                   | 50            | 1                   | 4932430438     | 4002395380992 |
| 6             | 215                 | 150                   | 50            | 1                   | 4932430462     | 4002395381234 |
| 6.5           | 165                 | 100                   | 50            | 1                   | 4932479557     | 4058546373511 |
| 6.5           | 215                 | 150                   | 50            | 1                   | 4932430463     | 4002395381241 |
| 6.5           | 265                 | 200                   | 50            | 1                   | 4932459589     | 4058546027612 |
| 7             | 115                 | 50                    | 50            | 1                   | 4932472154     | 4058546325503 |
| 7             | 165                 | 100                   | 50            | 1                   | 4932472155     | 4058546325510 |
| 8             | 115                 | 50                    | 50            | 1                   | 4932479368     | 4058546371623 |
| 8             | 165                 | 100                   | 50            | 1                   | 4932430439     | 4002395381005 |
| 8             | 215                 | 150                   | 50            | 1                   | 4932430440     | 4002395381012 |
| 8             | 315                 | 250                   | 50            | 1                   | 4932472156     | 4058546325527 |
| 8             | 465                 | 400                   | 50            | 1                   | 4932472157     | 4058546325534 |
| 10            | 115                 | 50                    | 50            | 1                   | 4932479369     | 4058546371630 |
| 10            | 165                 | 100                   | 50            | 1                   | 4932430441     | 4002395381029 |
| 10            | 215                 | 150                   | 50            | 1                   | 4932430442     | 4002395381036 |
| 10            | 315                 | 250                   | 50            | 1                   | 4932472158     | 4058546325541 |
| 10            | 455                 | 390                   | 50            | 1                   | 4932472159     | 4058546325558 |
| 12            | 165                 | 100                   | 50            | 1                   | 4932472160     | 4058546325565 |
| 12            | 215                 | 150                   | 50            | 1                   | 4932430443     | 4002395381043 |
| 12            | 315                 | 250                   | 50            | 1                   | 4932472161     | 4058546325572 |
| 12            | 450                 | 400                   | 50            | 1                   | 4932472162     | 4058546325589 |
| 14            | 210                 | 150                   | 50            | 1                   | 4932478097     | 4058546340308 |

**SDS-Plus MX4 drill bits - 4 cut / sets**

| Description  | Supplied in      | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|------------------|---------------|---------------------|----------------|---------------|
| SDS-Plus MX4 drill bit set (5pc)                             | Plastic cassette | 5             | 12                  | 4932500063     | 4058546572273 |
| ① Ø 5 / 6 x 115 mm, Ø 6 / 8 x 165 mm, Ø 10 x 165 mm          |                  |               |                     |                |               |
| SDS-Plus MX4 drill bit set (5pc)                             | Plastic cassette | 5             | 12                  | 4932500064     | 4058546572280 |
| ① Ø 5.5 x 115 mm, Ø 5.5 / 6 / 7 / 8 x 165 mm                 |                  |               |                     |                |               |
| SDS-Plus MX4 drill bit set (7pc)                             | Plastic cassette | 7             | 6                   | 4932500060     | 4058546572242 |
| ② Ø 5 / 6 x 115 mm, Ø 6 / 8 / 8 / 10 x 165 mm, Ø 12 x 160 mm |                  |               |                     |                |               |
| SDS-Plus MX4 drill bit set (7pc)                             | Plastic cassette | 7             | 6                   | 4932500061     | 4058546572259 |
| ② Ø 5.5 / 6 x 115 mm, Ø 5 / 5.5 / 6 / 8 / 10 x 165 mm        |                  |               |                     |                |               |
| SDS-Plus MX4 drill bit set (10pc)                            | Plastic cassette | 10            | 6                   | 4932500062     | 4058546572266 |
| ② Ø 5 / 6 / 6 x 115 mm, Ø 6 / 6 / 8 / 8 / 10 / 12 x 165 mm   |                  |               |                     |                |               |



**DESIGNED FOR USE IN PACKOUT™**



**PROFESSIONAL**  
FAST DRILLING IN CONCRETE



**25%  
FASTER**  
3 BREAKER POINTS

\*vs. previous generation



**2  
VARIABLE  
FLUTE  
DESIGN**



**2  
CUTTER**  
IDEAL IN CONCRETE  
DRILLING APPLICATIONS  
WITH CORDLESS HAMMERS

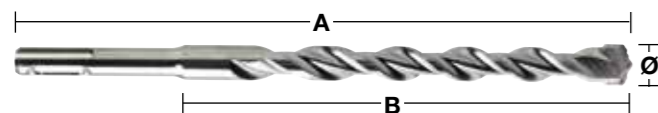
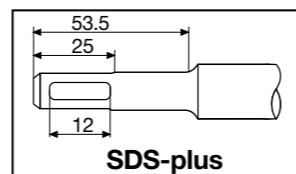
## SDS-Plus M2 drill bits - 2 cut



Made in Germany

**FASTEST:** New aggressive tip geometry with 3 chip breakers demolishes the concrete quicker and a tapered shoulder design minimises friction enabling the M2 drill bit to deliver faster drilling speed

**DURABILITY:** Rebar chamfers on the tip prevent side tip damage when hitting metal reinforcement and a thicker core body ensures higher power transfer, lower vibrations and less flute breakages



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pre-drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|-----------|---------------|---------------------|----------------|---------------|
| 3             | 110                 | 50                    |           | 1             | 1                   | 4932352892     | 4002395375509 |
| 3.5           | 110                 | 50                    |           | 1             | 1                   | 4932373908     | 4002395353378 |
| 4             | 110                 | 50                    |           | 1             | 1                   | 4932339498     | 4002395304561 |
| 4             | 160                 | 100                   |           | 1             | 1                   | 4932399143     | 4002395357505 |
| 4.8           | 110                 | 50                    |           | 1             | 1                   | 4932352130     | 4002395367832 |
| 5             | 110                 | 50                    |           | 1             | 1                   | 4932307067     | 4002395308835 |
| 5             | 160                 | 100                   |           | 1             | 1                   | 4932399315     | 4002395359431 |
| 5             | 210                 | 150                   |           | 1             | 1                   | 4932399316     | 4002395359448 |
| 5.5           | 110                 | 50                    |           | 1             | 1                   | 4932339499     | 4002395304578 |
| 5.5           | 160                 | 100                   |           | 1             | 1                   | 4932340408     | 4002395311910 |
| 5.5           | 210                 | 150                   |           | 1             | 1                   | 4932399317     | 4002395359455 |
| 5.5           | 260                 | 200                   |           | 1             | 1                   | 4932399318     | 4002395359462 |
| 5.5           | 310                 | 250                   |           | 1             | 1                   | 4932399319     | 4002395359479 |
| 5.5           | 410                 | 350                   |           | 1             | 1                   | 4932399320     | 4002395359486 |
| 6             | 110                 | 50                    |           | 1             | 1                   | 4932307068     | 4002395308842 |
| 6             | 160                 | 100                   |           | 1             | 1                   | 4932307069     | 4002395308859 |
| 6             | 210                 | 150                   |           | 1             | 1                   | 4932373136     | 4002395346394 |
| 6             | 260                 | 200                   |           | 1             | 1                   | 4932353819     | 4002395320127 |
| 6             | 310                 | 250                   |           | 1             | 1                   | 4932399321     | 4002395359493 |
| 6             | 460                 | 400                   | ✓         | 1             | 1                   | 4932399322     | 4002395359509 |
| 6.5           | 110                 | 50                    |           | 1             | 1                   | 4932344292     | 4002395312276 |
| 6.5           | 160                 | 100                   |           | 1             | 1                   | 4932344293     | 4002395312269 |
| 6.5           | 210                 | 150                   |           | 1             | 1                   | 4932399147     | 4002395357574 |
| 6.5           | 260                 | 200                   |           | 1             | 1                   | 4932399148     | 4002395357581 |
| 6.5           | 310                 | 260                   |           | 1             | 1                   | 4932399323     | 4002395359516 |
| 7             | 110                 | 50                    |           | 1             | 1                   | 4932353820     | 4002395320134 |
| 7             | 160                 | 100                   |           | 1             | 1                   | 4932340409     | 4002395311927 |
| 7             | 210                 | 150                   |           | 1             | 1                   | 4932399222     | 4002395358366 |
| 7             | 250                 | 200                   |           | 1             | 1                   | 4932399324     | 4002395359523 |
| 8             | 110                 | 50                    |           | 1             | 1                   | 4932307070     | 4002395308866 |
| 8             | 160                 | 100                   |           | 1             | 1                   | 4932307071     | 4002395308873 |
| 8             | 210                 | 150                   |           | 1             | 1                   | 4932307072     | 4002395308880 |
| 8             | 260                 | 200                   |           | 1             | 1                   | 4932353821     | 4002395320141 |
| 8             | 310                 | 250                   |           | 1             | 1                   | 4932399325     | 4002395359530 |
| 8             | 400                 | 350                   |           | 1             | 1                   | 4932399326     | 4002395359547 |
| 8             | 460                 | 400                   | ✓         | 1             | 1                   | 4932367013     | 4002395336692 |
| 8             | 600                 | 540                   | ✓         | 1             | 1                   | 4932399327     | 4002395359554 |
| 8             | 1000                | 940                   | ✓         | 1             | 1                   | 4932399328     | 4002395359561 |
| 9             | 160                 | 100                   |           | 1             | 1                   | 4932353823     | 4002395320165 |
| 9             | 210                 | 150                   |           | 1             | 1                   | 4932353822     | 4002395320158 |
| 10            | 110                 | 50                    |           | 1             | 1                   | 4932340410     | 4002395311934 |
| 10            | 160                 | 100                   |           | 1             | 1                   | 4932307073     | 4002395308897 |
| 10            | 210                 | 150                   |           | 1             | 1                   | 4932307074     | 4002395308903 |
| 10            | 260                 | 200                   |           | 1             | 1                   | 4932344295     | 4002395312252 |
| 10            | 310                 | 250                   |           | 1             | 1                   | 4932353824     | 4002395320172 |
| 10            | 450                 | 400                   | ✓         | 1             | 1                   | 4932344296     | 4002395312245 |
| 10            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367014     | 4002395336708 |
| 10            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367015     | 4002395336715 |

✓ Pre drill with a short drill bit of the same diameter.

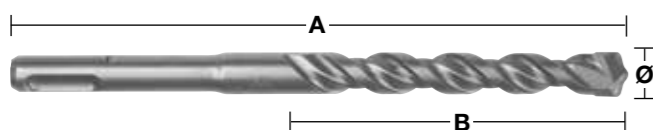
## SDS-Plus M2 drill bits - 2 cut



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pre-drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|-----------|---------------|---------------------|----------------|---------------|
| 11            | 160                 | 100                   |           | 1             | 1                   | 4932367066     | 4002395336722 |
| 11            | 260                 | 210                   |           | 1             | 1                   | 4932399329     | 4002395359578 |
| 12            | 160                 | 110                   |           | 1             | 1                   | 4932307075     | 4002395308910 |
| 12            | 210                 | 160                   |           | 1             | 1                   | 4932307076     | 4002395308927 |
| 12            | 260                 | 210                   |           | 1             | 1                   | 4932344297     | 4002395312238 |
| 12            | 310                 | 260                   |           | 1             | 1                   | 4932353825     | 4002395320189 |
| 12            | 450                 | 400                   | ✓         | 1             | 1                   | 4932307077     | 4002395308934 |
| 12            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367068     | 4002395336746 |
| 12            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367017     | 4002395336760 |
| 13            | 160                 | 110                   |           | 1             | 1                   | 4932307946     | 4002395309054 |
| 13            | 260                 | 210                   |           | 1             | 1                   | 4932344298     | 4002395312221 |
| 14            | 160                 | 110                   |           | 1             | 1                   | 4932307078     | 4002395308941 |
| 14            | 210                 | 160                   |           | 1             | 1                   | 4932353826     | 4002395320196 |
| 14            | 260                 | 210                   |           | 1             | 1                   | 4932307079     | 4002395308958 |
| 14            | 310                 | 260                   |           | 1             | 1                   | 4932399330     | 4002395359585 |
| 14            | 450                 | 400                   | ✓         | 1             | 1                   | 4932307088     | 4002395309047 |
| 14            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367018     | 4002395336777 |
| 14            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367019     | 4002395336784 |
| 15            | 160                 | 110                   |           | 1             | 1                   | 4932373910     | 4002395353392 |
| 15            | 260                 | 210                   |           | 1             | 1                   | 4932344300     | 4002395312207 |
| 16            | 160                 | 110                   |           | 1             | 1                   | 4932307080     | 4002395308965 |
| 16            | 210                 | 160                   |           | 1             | 1                   | 4932307081     | 4002395308972 |
| 16            | 260                 | 210                   |           | 1             | 1                   | 4932399331     | 4002395359592 |
| 16            | 310                 | 260                   |           | 1             | 1                   | 4932344301     | 4002395312191 |
| 16            | 450                 | 400                   | ✓         | 1             | 1                   | 4932307082     | 4002395308989 |
| 16            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367069     | 4002395336791 |
| 16            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367021     | 4002395336814 |
| 18            | 200                 | 150                   |           | 1             | 1                   | 4932344303     | 4002395312177 |
| 18            | 250                 | 200                   |           | 1             | 1                   | 4932307083     | 4002395308996 |
| 18            | 300                 | 250                   |           | 1             | 1                   | 4932344304     | 4002395312160 |
| 18            | 450                 | 400                   | ✓         | 1             | 1                   | 4932340411     | 4002395311941 |
| 18            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367022     | 4002395336821 |
| 18            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367024     | 4002395336845 |
| 20            | 200                 | 150                   |           | 1             | 1                   | 4932344305     | 4002395312153 |
| 20            | 250                 | 200                   |           | 1             | 1                   | 4932307084     | 4002395309009 |
| 20            | 300                 | 250                   |           | 1             | 1                   | 4932399027     | 4002395356126 |
| 20            | 450                 | 400                   | ✓         | 1             | 1                   | 4932307085     | 4002395309016 |
| 20            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367025     | 4002395336876 |
| 20            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367026     | 4002395336883 |
| 22            | 250                 | 200                   |           | 1             | 1                   | 4932373911     | 4002395353408 |
| 22            | 450                 | 400                   | ✓         | 1             | 1                   | 4932344307     | 4002395312139 |
| 22            | 600                 | 550                   | ✓         | 1             | 1                   | 4932367027     | 4002395336890 |
| 22            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367029     | 4002395336913 |
| 24            | 250                 | 200                   |           | 1             | 1                   | 4932373922     | 4002395353521 |
| 24            | 450                 | 400                   | ✓         | 1             | 1                   | 4932307087     | 4002395309030 |
| 25            | 250                 | 200                   |           | 1             | 1                   | 4932344308     | 4002395312122 |
| 25            | 450                 | 400                   | ✓         | 1             | 1                   | 4932344309     | 4002395312115 |
| 25            | 1000                | 950                   | ✓         | 1             | 1                   | 4932367030     | 4002395336975 |
| 26            | 250                 | 200                   |           | 1             | 1                   | 4932344310     | 4002395323814 |
| 26            | 450                 | 400                   | ✓         | 1             | 1                   | 4932344311     | 4002395312092 |

✓ Pre drill with a short drill bit of the same diameter.

SDS-Plus M2 drill bits - 2 cut / 10 pack



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 5             | 110                 | 50                    | 10            | 1                   | 4932371702     | 4002395344017 |
| 5             | 160                 | 100                   | 10            | 1                   | 4932352520     | 4002395371785 |
| 5.5           | 110                 | 50                    | 10            | 1                   | 4932352521     | 4002395371792 |
| 5.5           | 160                 | 100                   | 10            | 1                   | 4932371703     | 4002395344024 |
| 6             | 110                 | 50                    | 10            | 1                   | 4932371704     | 4002395344031 |
| 6             | 160                 | 100                   | 10            | 1                   | 4932371705     | 4002395344048 |
| 6             | 210                 | 150                   | 10            | 1                   | 4932399337     | 4002395359653 |
| 6.5           | 160                 | 100                   | 10            | 1                   | 4932399338     | 4002395359660 |
| 6.5           | 210                 | 150                   | 10            | 1                   | 4932399339     | 4002395359677 |
| 6.5           | 260                 | 200                   | 10            | 1                   | 4932399340     | 4002395359684 |
| 7             | 160                 | 100                   | 10            | 1                   | 4932373225     | 4002395348619 |
| 8             | 160                 | 100                   | 10            | 1                   | 4932371706     | 4002395344055 |
| 8             | 210                 | 150                   | 10            | 1                   | 4932399341     | 4002395359691 |
| 10            | 110                 | 50                    | 10            | 1                   | 4932352522     | 4002395371808 |
| 10            | 160                 | 100                   | 10            | 1                   | 4932371708     | 4002395344079 |
| 10            | 210                 | 150                   | 10            | 1                   | 4932371709     | 4002395344086 |
| 10            | 260                 | 200                   | 10            | 1                   | 4932399342     | 4002395359707 |
| 12            | 160                 | 100                   | 10            | 1                   | 4932399343     | 4002395359714 |
| 12            | 210                 | 160                   | 10            | 1                   | 4932371710     | 4002395344093 |
| 12            | 260                 | 210                   | 10            | 1                   | 4932399344     | 4002395359721 |
| 14            | 260                 | 210                   | 10            | 1                   | 4932371711     | 4002395344109 |

SDS-Plus M2 drill bits - 2 cut / 50 pack



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 5             | 110                 | 50                    | 50            | 1                   | 4932399176     | 4002395357833 |
| 5.5           | 160                 | 100                   | 50            | 1                   | 4932399177     | 4002395357840 |
| 6             | 110                 | 50                    | 50            | 1                   | 4932399178     | 4002395357857 |
| 6             | 160                 | 100                   | 50            | 1                   | 4932399179     | 4002395357864 |
| 7             | 160                 | 110                   | 50            | 1                   | 4932399181     | 4002395357888 |
| 8             | 160                 | 100                   | 50            | 1                   | 4932399182     | 4002395357895 |
| 8             | 210                 | 150                   | 50            | 1                   | 4932399183     | 4002395357901 |
| 10            | 160                 | 110                   | 50            | 1                   | 4932399345     | 4002395359738 |
| 10            | 210                 | 150                   | 50            | 1                   | 4932399184     | 4002395357918 |
| 10            | 260                 | 200                   | 50            | 1                   | 4932399185     | 4002395357925 |
| 12            | 210                 | 160                   | 50            | 1                   | 4932399186     | 4002395357932 |

SDS-Plus M2 drill bits - 2 cut / cassettes



| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| ① SDS-Plus M2 drill bit set (5pc)<br>Ø 5 / 6 x 110 mm and Ø 6 / 8 / 10 x 160 mm                        | 5             | 1                   | 4932352338     | 4002395369973 |
| ① SDS-Plus M2 drill bit set (5pc)<br>Ø 5.5 x 110 mm and Ø 5.5 / 6 / 7 / 8 x 160 mm                     | 5             | 1                   | 4932352834     | 4002395374922 |
| ① SDS-Plus M2 drill bit set (5pc)<br>Ø 10 / 12 / 14 / 16 / 20 x 450 mm                                 | 5             | 1                   | 4932352801     | 4002395374595 |
| ② SDS-Plus M2 drill bit set (7pc)<br>Ø 5 / 6 / 8 x 110 mm and Ø 6 / 8 / 10 / 12 x 160 mm               | 7             | 6                   | 4932492116     | 4058546414832 |
| ② SDS-Plus M2 drill bit set (10pc)<br>Ø 5 / 5 / 6 / 6 x 110 mm and Ø 6 / 6 / 8 / 8 / 10 / 12 x 160 mm  | 10            | 6                   | 4932492117     | 4058546414849 |
| ③ Drill bit and chisel set (5pc)<br>SDS-Plus drill bits Ø 6 / 8 / 10 x 160 mm, pointed and flat chisel | 5             | 1                   | 4932430002     | 4002395376636 |



# INVESTMENT IN CARBIDE



**RESEARCH DEVELOPMENT**  
NEW TECHNOLOGIES

**PROTOTYPING**  
RAPID PROTOTYPING



**TESTING**  
COMPREHENSIVE TESTING

**PRODUCTION**  
BEST IN CLASS PRODUCTION



SDS-PLUS

SDS-MAX

CHISELS



MADE IN GERMANY

## SDS-Plus extensions

Universal SDS-Plus extensions to extend the reach of SDS-Plus drill bits.  
Tool free drill bit click & connect system.  
Fits to all SDS-Plus rotary hammers and drill bits.  
Optimal for drilling around obstructions such as previously installed pipes and for overhead drilling.  
Allows deep hole drilling e.g. rebar applications without buying an expensive long drill bit.  
Diameter of the quick lock mechanism: 21 mm.



| Length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|---------------|---------------------|----------------|---------------|
| 300         | 1             | 1                   | 4932471153     | 4058546287818 |
| 450         | 1             | 1                   | 4932471154     | 4058546287825 |



# DUST MANAGEMENT

Accurate concentricity and high dimensional accuracy drilled holes, according to PGM Conformity

Faster and more efficient drilling due to **99% dust removal**

Efficient drilling without dust for a safer and cleaner working environment

Active drill bit heads cooling for a longer life



## SDS-Plus DUST-LOK dustless drill bits - 4 cut - Modular design

Efficient drilling without dust for a safer and cleaner work environment.  
Captures 99% of drilled dust.  
Active drill bit head cooling for a longer life.  
4 cutter design prevents the drill bit from jamming in the rebar.  
Accurate concentricity and high dimensional accuracy drilled holes, according to PGM.  
Universal connector for all common vacuum cleaners with hose diameter 32 - 38 mm.

|   | Diameter (mm)   | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| ①   | 5   | 136                 | 100                   | 1             | 1                   | 4932471155     | 4058546287832 |
| ②   | 6   | 136                 | 100                   | 1             | 1                   | 4932471156     | 4058546287849 |
| ③   | 8   | 136                 | 100                   | 1             | 1                   | 4932471157     | 4058546287856 |
| ④   | 10  | 136                 | 100                   | 1             | 1                   | 4932471158     | 4058546287863 |
| ⑤   | 12  | 136                 | 100                   | 1             | 1                   | 4932471159     | 4058546287870 |
| ⑥   | SDS-Plus DC arbor with vacuum adapter                         |                     |                       | 1             | 1                   | 4932471160     | 4058546287887 |
| <b>SDS-Plus DC dustless drill bit set (6pc)</b> |   |                     |                       |               |                     |                |               |
| ⑦   | Ø 5 / 6 / 8 / 10 / 12 x 136 mm. 1 x arbor with vacuum adapter |                     |                       | 7             | 1                   | 4932471162     | 4058546287900 |

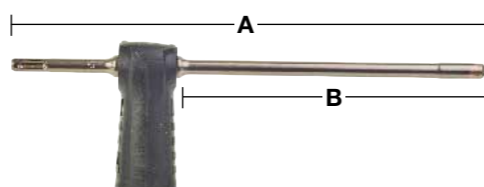


Scan the QR Code to see our full video.



## SDS-Plus dustless drill bits - 2 cut - 2 piece design

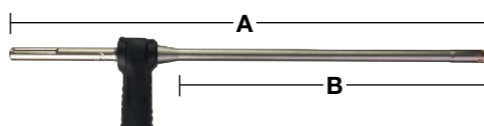
Faster and more efficient drill bit due to effective dust removal.  
Efficient drilling without dust for a safer and cleaner working environment.  
Active drill bit head cooling for a longer life. Accurate concentricity and high dimensional accuracy drilled holes, according to PGM Conformity.  
Universal connector for all common vacuum cleaners with hose diameter 32 – 38 mm.



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 12            | 325                 | 200                   | 1             | 1                   | 4932459283     | 4058546002497 |
| 14            | 360                 | 240                   | 1             | 1                   | 4932459284     | 4058546002503 |
| 16            | 360                 | 240                   | 1             | 1                   | 4932459285     | 4058546002510 |

## SDS-Max dustless drill bits - 4 cut - One piece design

Faster and more efficient drilling due to 99% dust removal.  
Efficient drilling without dust for a safer and cleaner working environment.  
Active drill bit head cooling for a longer life.  
4 cutter design prevents the drill bit from jamming in the rebar.  
Accurate concentricity and high dimensional accuracy drilled holes, according to PGM Conformity.  
Universal connector for all common vacuum cleaners with hose diameter 32 – 38 mm.



| Diameter (mm)                    | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 16                               | 600                 | 400                   | 1             | 1                   | 4932459287     | 4058546002534 |
| 18                               | 600                 | 400                   | 1             | 1                   | 4932459288     | 4058546002541 |
| 20                               | 600                 | 400                   | 1             | 1                   | 4932459289     | 4058546002558 |
| 22                               | 600                 | 400                   | 1             | 1                   | 4932459290     | 4058546002565 |
| 24                               | 600                 | 400                   | 1             | 1                   | 4932459291     | 4058546002572 |
| 25                               | 600                 | 400                   | 1             | 1                   | 4932459292     | 4058546002589 |
| 28                               | 600                 | 400                   | 1             | 1                   | 4932459293     | 4058546002596 |
| 28                               | 900                 | 900                   | 1             | 1                   | 4932459294     | 4058546002602 |
| 30                               | 600                 | 400                   | 1             | 1                   | 4932459295     | 4058546002619 |
| 30                               | 900                 | 700                   | 1             | 1                   | 4932459296     | 4058546002626 |
| 32                               | 600                 | 400                   | 1             | 1                   | 4932459297     | 4058546002633 |
| 32                               | 900                 | 700                   | 1             | 1                   | 4932459298     | 4058546002640 |
| 35                               | 900                 | 700                   | 1             | 1                   | 4932459300     | 4058546002664 |
| Universal vacuum cleaner adaptor |                     |                       | 1             | 1                   | 4931416173     | 4002395805501 |

## Dust guard

Prevents dust and dirt entering the tool reception area when using spades and ground rod drivers.

| Description    | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|---------------|---------------------|----------------|---------------|
| Dust guard cap | 1             | 1                   | 9170086960     | 4002395565504 |



## Rotary hammer dust extraction

| Description | Pack quantity | Min. order quantity | Article Number | EAN Code |
|-------------|---------------|---------------------|----------------|----------|
|-------------|---------------|---------------------|----------------|----------|

① Dust collection ring for collecting dust when overhead drilling. Suitable for Ø 5 - 8 mm

1

1

4932430912

4002395385744

①



② Extractor for dust collection on the wall or when overhead drilling. Maximum diameter drill bit Ø 28 mm. Fits to all industrial dust extraction units (universal reception Ø 26 – 41 mm)

1

1

4932430446

4002395381074

②



③ Drilling shroud - PHDE72. For drilling and coring from Ø 6 - 72 mm. Brush insert to improve suction and extraction. Brushes to be removed for coring applications. Outlet nozzle: Ø 37 mm outside / Ø 32 mm inside. Replacement sealing lips (2 pcs): 4931448564. Replacement brush: 4931448565

1

1

4932430480

4002395381418

③



④ Drilling shroud - PHDE152

1

1

4932471990

4058546298890

④



### DE16 - Vac assist universal extractor

⑤ DE16 unit, 1 x side handle and 3 x neck collars - allows fitting to drills with gear neck from Ø 43 - 59 mm. 2 x drilling nozzles (49902301)

1

1

4932430835

4002395384976

⑤



## SDS-Plus dust trap

Universal fit - Fits ALL SDS-Plus rotary hammer brands and styles.  
Fits ALL SDS-Plus drill bits up to 215mm total length.  
Fits ALL standard vacuum cleaners.  
Clear sleeve for visibility & accuracy.  
Collects up to 99% of airborne dust.  
Useable with or without vacuum cleaner.

| Description               | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|---------------|---------------------|----------------|---------------|
| SDS-Plus dust trap        | 1             | 1                   | 4932464916     | 4058546228613 |
| SDS-Plus dust trap sleeve | 1             | 1                   | 4932464917     | 4058546228620 |



## SDS-Max chisel boot

Universal fit - Fits ALL standard SDS-Max rotary hammer brands and styles.  
Universal fit to pointed and flat chisels up to 400mm length and 25mm tip width.  
Slim design for reaching tight areas.  
Hose clip adapter for easy attachment to MILWAUKEE® vacuum cleaners.

| Description         | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|---------------------|----------------|---------------|
| SDS-Max chisel boot | 1             | 1                   | 4932471991     | 4058546298906 |



## Breaker boot

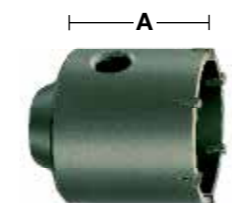
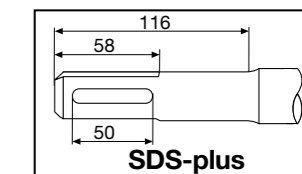
Universal fit - Fits most 28 & 30 mm breaking hammers. Perfect match to 28 mm MX FUEL™ breaker.  
Universal fit to pointed and flat chisels.  
Slim design for reaching tight areas.  
Hose clip adapter for easy attachment to MILWAUKEE® vacuum cleaners.

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------|---------------|---------------------|----------------|---------------|
| Breaker boot | 1             | 1                   | 4932471992     | 4058546298913 |



## SDS-Plus TCT core cutters

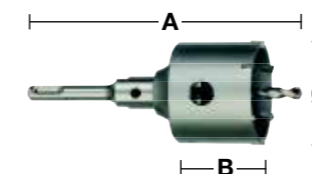
Core cutters for rotary hammers up to 4 kg.  
All TCT cores have a M16 x 2 thread and fit to both SDS-Plus and Hex 11 arbors.  
Arbor and pilot drill bit required additionally.  
Made in Germany.  
Not suitable for reinforced concrete.



| Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|---------------|---------------------|----------------|---------------|
| 35            | 58                  | 1             | 1                   | 4932344478     | 4002395312559 |
| 50            | 58                  | 1             | 1                   | 4932344479     | 4002395312566 |
| 65            | 50                  | 1             | 1                   | 4932344480     | 4002395312573 |
| 68            | 50                  | 1             | 1                   | 4932399099     | 4002395357031 |
| 82            | 50                  | 1             | 1                   | 4932344481     | 4002395312580 |
| 90            | 50                  | 1             | 1                   | 4932344482     | 4002395312597 |
| 100           | 50                  | 1             | 1                   | 4932480689     | 4058546409746 |

## SDS-Plus TCT core cutter - set

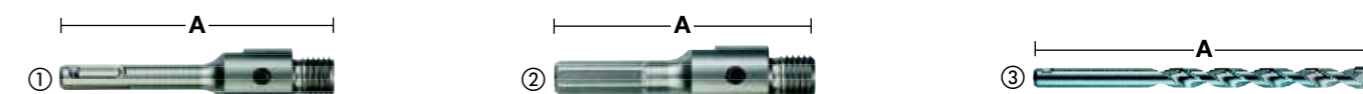
Set version includes: TCT core cutter, SDS-Plus arbor 105 mm length, TCT pilot drill bit Ø 8 x 120 mm and allen key.



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 65            | 182                 | 50                    | 4             | 1                   | 4932399295     | 4002395359097 |
| 68            | 182                 | 50                    | 4             | 1                   | 4932399296     | 4002395359103 |
| 82            | 182                 | 50                    | 4             | 1                   | 4932399297     | 4002395359110 |

## SDS-Plus TCT core cutter arbors

Both SDS-Plus and Hex arbors include an allen key and require a pilot drill bit additionally.



| Description  | Reception | Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-----------|---------------|---------------------|---------------|---------------------|----------------|---------------|
| ① SDS-plus arbor   | SDS-Plus  |               | 105                 | 2             | 1                   | 4932399966     | 4002395366255 |
| ① SDS-plus arbor   | SDS-Plus  |               | 370                 | 2             | 1                   | 4932399967     | 4002395366262 |
| ② Hex arbor  | 11 mm Hex |               | 90                  | 2             | 1                   | 4932399968     | 4002395366279 |
| ③ TCT pilot drill bit for use in masonry, concrete, brick etc. |           | 8             | 120                 | 1             | 1                   | 4932399125     | 4002395357291 |



# DRILL TO THE MAX.

## SDS-MAX MX4™ DRILL BITS

MILWAUKEE® Tool leads the way in accessories development and technology for the professional job site. Our relentless pursuit of innovation has resulted in the Next Generation MX4™ SDS-MAX drill bits, our most powerful and durable drill bit for toughest tasks on the job site.

Driven and developed by countless hours on the jobsite, MILWAUKEE® has created MX4™ SDS-MAX as a drill bit designed to offer the fastest performance and longest lifespan when drilling in reinforced concrete. Featuring MILWAUKEE® exclusive Target Tip Technology, SDS-MAX is larger than the standard SDS-PLUS bits, providing improved accuracy and performance in rebar as well as other heavy-duty applications.

**NEW**  
**TARGET TIP TECHNOLOGY**  
**SHARPER ANGLED TIP**  
IMPROVED REBAR PERFORMANCE

**2X**  
**LIFE IN REBAR\***

\* Vs previous generation

**4 VARIABLE FLUTE DESIGN\***

FOR FASTER DRILLING

**PRECISION GERMAN ENGINEERING**

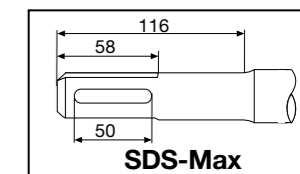
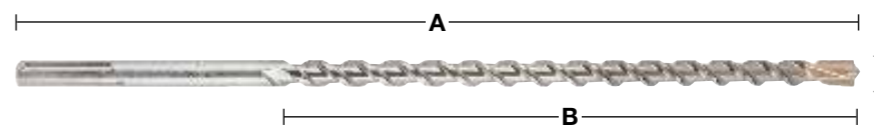


**NEW**  
**TARGET TIP TECHNOLOGY**

**PGM RATED**

FOR PRECISE DRILLING

## SDS-Max MX4 drill bits - 4 cut



| Diameter (mm)                               | Total length (mm) A | Working length (mm) B | Pre-drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|-----------------------|-----------|---------------|---------------------|----------------|---------------|
| 12  | 340                 | 200                   |           | 1             | 1                   | 4932352750     | 4002395374083 |
| 12  | 540                 | 400                   | ✓         | 1             | 1                   | 4932352751     | 4002395374090 |
| 12  | 740                 | 550                   |           | 1             | 1                   | 4932430727     | 4002395383887 |
| 14  | 340                 | 200                   |           | 1             | 1                   | 4932352752     | 4002395374106 |
| 14  | 540                 | 400                   | ✓         | 1             | 1                   | 4932352753     | 4002395374113 |
| 15  | 340                 | 200                   |           | 1             | 1                   | 4932352754     | 4002395374120 |
| 15  | 540                 | 400                   | ✓         | 1             | 1                   | 4932352755     | 4002395374137 |
| 16  | 340                 | 200                   |           | 1             | 1                   | 4932352756     | 4002395374144 |
| 16  | 540                 | 400                   | ✓         | 1             | 1                   | 4932352757     | 4002395374151 |
| 16  | 940                 | 800                   | ✓         | 1             | 1                   | 4932352758     | 4002395374168 |
| 16  | 1320                | 1180                  | ✓         | 1             | 1                   | 4932352759     | 4002395374175 |
| 18  | 340                 | 200                   |           | 1             | 1                   | 4932352760     | 4002395374182 |
| 18  | 540                 | 400                   | ✓         | 1             | 1                   | 4932352761     | 4002395374199 |
| 18  | 940                 | 800                   | ✓         | 1             | 1                   | 4932352762     | 4002395374205 |
| 18  | 1320                | 1180                  | ✓         | 1             | 1                   | 4932352763     | 4002395374212 |
| 20  | 320                 | 200                   |           | 1             | 1                   | 4932352764     | 4002395374229 |
| 20  | 520                 | 400                   | ✓         | 1             | 1                   | 4932352765     | 4002395374236 |
| 20  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352766     | 4002395374243 |
| 20  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352767     | 4002395374250 |
| 22  | 320                 | 200                   |           | 1             | 1                   | 4932352768     | 4002395374267 |
| 22  | 520                 | 400                   | ✓         | 1             | 1                   | 4932352769     | 4002395374274 |
| 22  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352770     | 4002395374281 |
| 22  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352771     | 4002395374298 |
| 24  | 320                 | 200                   |           | 1             | 1                   | 4932352772     | 4002395374304 |
| 24  | 520                 | 400                   | ✓         | 1             | 1                   | 4932352773     | 4002395374311 |
| 25  | 320                 | 200                   |           | 1             | 1                   | 4932352774     | 4002395374328 |
| 25  | 520                 | 400                   | ✓         | 1             | 1                   | 4932352775     | 4002395374335 |
| 25  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352776     | 4002395374342 |
| 25  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352777     | 4002395374359 |
| 26  | 520                 | 400                   |           | 1             | 1                   | 4932430728     | 4002395383894 |
| 28  | 370                 | 250                   |           | 1             | 1                   | 4932352778     | 4002395374366 |
| 28  | 570                 | 450                   | ✓         | 1             | 1                   | 4932352779     | 4002395374373 |
| 28  | 670                 | 550                   | ✓         | 1             | 1                   | 4932352780     | 4002395374380 |
| 28  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352781     | 4002395374397 |
| 28  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352782     | 4002395374403 |
| 30  | 370                 | 250                   |           | 1             | 1                   | 4932352783     | 4002395374410 |
| 30  | 570                 | 450                   |           | 1             | 1                   | 4932352784     | 4002395374427 |
| 30  | 920                 | 800                   |           | 1             | 1                   | 4932430729     | 4002395383900 |
| 32  | 370                 | 250                   |           | 1             | 1                   | 4932352785     | 4002395374434 |
| 32  | 570                 | 450                   |           | 1             | 1                   | 4932352786     | 4002395374441 |
| 32  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352787     | 4002395374458 |
| 32  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352788     | 4002395374465 |
| 35  | 370                 | 250                   |           | 1             | 1                   | 4932352789     | 4002395374472 |
| 35  | 570                 | 450                   |           | 1             | 1                   | 4932352790     | 4002395374489 |
| 35  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352791     | 4002395374496 |
| 38  | 370                 | 250                   |           | 1             | 1                   | 4932352792     | 4002395374502 |
| 38  | 570                 | 450                   |           | 1             | 1                   | 4932352793     | 4002395374519 |
| 40  | 370                 | 250                   |           | 1             | 1                   | 4932352794     | 4002395374526 |
| 40  | 570                 | 450                   | ✓         | 1             | 1                   | 4932352795     | 4002395374533 |
| 40  | 920                 | 800                   | ✓         | 1             | 1                   | 4932352796     | 4002395374540 |
| 40  | 1320                | 1200                  | ✓         | 1             | 1                   | 4932352797     | 4002395374557 |
| 45  | 570                 | 450                   |           | 1             | 1                   | 4932352798     | 4002395374564 |
| 45  | 920                 | 800                   |           | 1             | 1                   | 4932430730     | 4002395383917 |
| 50  | 570                 | 450                   |           | 1             | 1                   | 4932430731     | 4002395383924 |
| 52  | 570                 | 450                   |           | 1             | 1                   | 4932352799     | 4002395374571 |
| <b>SDS-Max drill bits set (5pc)</b>         |                     |                       |           |               |                     |                |               |
| Ø 16 / 18 x 540 mm, Ø 20 / 22 / 25 x 520 mm |                     |                       |           | 5             | 1                   | 4932352800     | 4002395374588 |

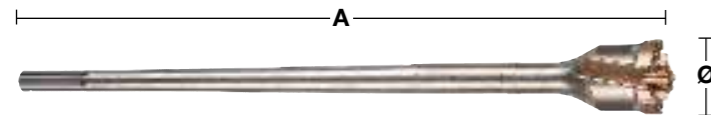
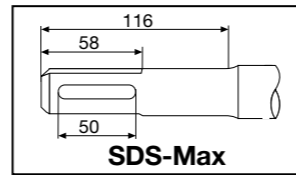
✓ Pre drill with a short drill bit of the same diameter.

additional length available upon request

\*Variable 4 flute design for diameters up to 16mm, all larger diameters have a variable 2 flute design.

## SDS-Max TCT tunnel drill bits - One piece design

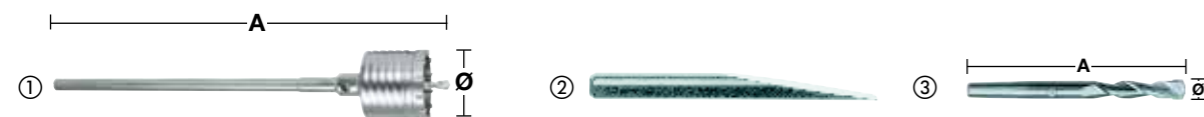
One piece solid steel tool.  
Premium 3 cutter centering drill bit.  
Massive head with 3 large dust removal channels.  
Rebar chamfers to prevent side tip damage when hitting metal reinforcement.  
Suitable for reinforced concrete.  
Made in Germany.



| Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|---------------|---------------------|----------------|---------------|
| 40            | 550                 | 1             | 1                   | 4932492053     | 4058546414207 |
| 45            | 550                 | 1             | 1                   | 4932492054     | 4058546414214 |
| 45            | 990                 | 1             | 1                   | 4932492055     | 4058546414221 |
| 55            | 550                 | 1             | 1                   | 4932492056     | 4058546414238 |
| 55            | 990                 | 1             | 1                   | 4932492057     | 4058546414245 |
| 65            | 550                 | 1             | 1                   | 4932492058     | 4058546414252 |
| 65            | 990                 | 1             | 1                   | 4932492059     | 4058546414269 |
| 80            | 550                 | 1             | 1                   | 4932492060     | 4058546414276 |
| 80            | 990                 | 1             | 1                   | 4932492061     | 4058546414283 |

## SDS-Max TCT core cutters - One piece design

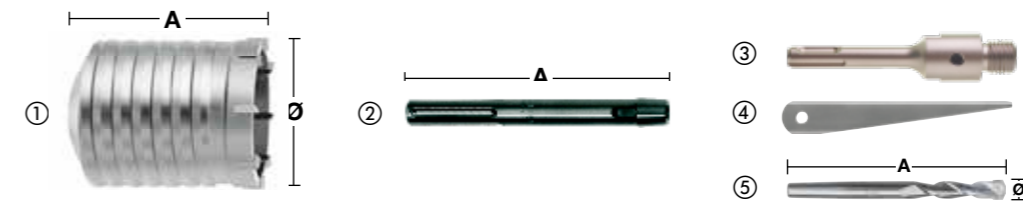
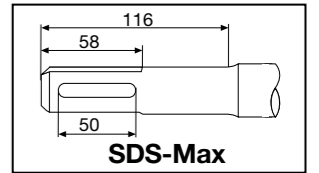
One piece solid steel tool.  
Increased lifetime.  
Supplied with pilot drill bit and ejector tool.  
Made in Germany.  
Suitable for use in reinforced concrete with rebar.



| Description       | Diameter (mm)  | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|----------------|---------------------|---------------|---------------------|----------------|---------------|
| ①                 | 50             | 290                 | 1             | 1                   | 4932399373     | 4002395359905 |
|                   | 50             | 550                 | 1             | 1                   | 4932373884     | 4002395353132 |
|                   | 68             | 290                 | 1             | 1                   | 4932399374     | 4002395359912 |
|                   | 68             | 550                 | 1             | 1                   | 4932373885     | 4002395353149 |
|                   | 80             | 290                 | 1             | 1                   | 4932399375     | 4002395359929 |
|                   | 80             | 550                 | 1             | 1                   | 4932373886     | 4002395353156 |
|                   | 100            | 550                 | 1             | 1                   | 4932373888     | 4002395353170 |
|                   | 125            | 550                 | 1             | 1                   | 4932373889     | 4002395353187 |
|                   | 150            | 550                 | 1             | 1                   | 4932373890     | 4002395353194 |
|                   | ② Ejector tool |                     |               | 1                   | 1              | 4932399021    |
| ③ Pilot drill bit | 11             | 120                 | 1             | 1                   | 4932245967     | 4002395307111 |

## SDS-Max TCT core cutters - Two piece design

Not suitable for rotary hammers > 10 kg.  
Made in Germany.  
Not suitable for reinforced concrete.



| Description                               | Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|---------------|---------------------|----------------|---------------|
| ① TCT core cutter                         | 40            | 100                 | 1             | 1                   | 4932245992     | 4002395307180 |
|   | 50            | 100                 | 1             | 1                   | 4932430732     | 4002395383931 |
|   | 60            | 100                 | 1             | 1                   | 4932430733     | 4002395383948 |
|   | 65            | 100                 | 1             | 1                   | 4932245994     | 4002395307203 |
|   | 68            | 100                 | 1             | 1                   | 4932430734     | 4002395383955 |
|   | 80            | 100                 | 1             | 1                   | 4932245995     | 4002395307210 |
|   | 90            | 100                 | 1             | 1                   | 4932430735     | 4002395383962 |
|   | 100           | 100                 | 1             | 1                   | 4932367304     | 4002395336432 |
|   | 125           | 100                 | 1             | 1                   | 4932367306     | 4002395336456 |
|   | 150           | 100                 | 1             | 1                   | 4932367308     | 4002395336470 |
| ② Arbor SDS-Max                           | -             | 180                 | 1             | 1                   | 4932343667     | 4002395315932 |
|   | -             | 450                 | 1             | 1                   | 4932343670     | 4002395315949 |
| ③ SDS+ Arbor for SDS-Max TCT core cutters |               | 115                 | 1             | 1                   | 4932480690     | 4058546409753 |
| ④ Ejector tool                            | -             | -                   | 1             | 1                   | 4932604214     | 4002395311231 |
| ⑤ Pilot drill bit                         | 11            | 120                 | 1             | 1                   | 4932245967     | 4002395307111 |

## SDS-Max to SDS-Plus chuck adaptor



| Description                       | Tool reception | Drill reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------------|----------------|-----------------|---------------|---------------------|----------------|---------------|
| SDS-Max to SDS-Plus chuck adaptor | SDS-Max        | SDS-Plus        | 1             | 1                   | 4932359490     | 4002395325795 |

## SDS-Max vario extension system

Flexible tool system: can be extended to variable lengths in combination with core cutters or tunnel bits.

We recommend a maximum of 3 extensions.

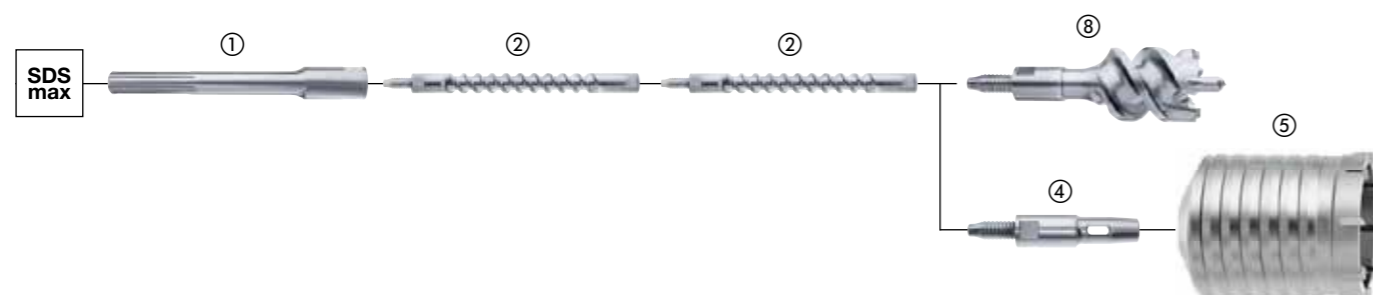
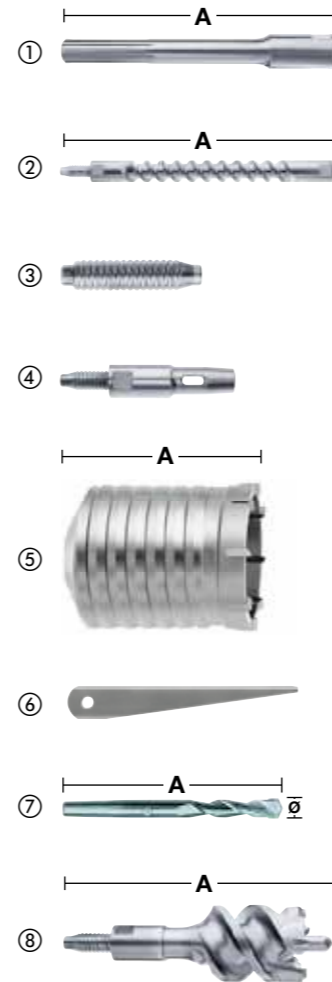
Cost effective: different drill sizes can be exchanged easily and fast with the threaded stud system.

Suitable for rotary hammers up to 8 kg.

Vario tunnel bits (supplied with thread).

Not suitable for reinforced concrete.

| Description   | Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|---------------|---------------------|----------------|---------------|
| ① SDS-Max arbor with internal thread                            | -             | 195                 | 1             | 1                   | 4932430736     | 4002395383979 |
| ② Vario extension (incl. threaded stud)                         | 25            | 280                 | 1             | 1                   | 4932430737     | 4002395383986 |
| ③ Vario threaded stud   | -             | -                   | 1             | 1                   | 4932430738     | 4002395383993 |
| ④ Vario threaded stud with tapered end 1:8 for TCT core cutters | -             | -                   | 1             | 1                   | 4932430748     | 4002395384099 |
| ⑤ TCT core cutter   | 40            | 100                 | 1             | 1                   | 4932245992     | 4002395307180 |
|   | 50            | 100                 | 1             | 1                   | 4932430732     | 4002395383931 |
|   | 60            | 100                 | 1             | 1                   | 4932430733     | 4002395383948 |
|   | 65            | 100                 | 1             | 1                   | 4932245994     | 4002395307203 |
|   | 68            | 100                 | 1             | 1                   | 4932430734     | 4002395383955 |
|   | 80            | 100                 | 1             | 1                   | 4932245995     | 4002395307210 |
|   | 90            | 100                 | 1             | 1                   | 4932430735     | 4002395383962 |
|   | 100           | 100                 | 1             | 1                   | 4932367304     | 4002395336432 |
|   | 125           | 100                 | 1             | 1                   | 4932367306     | 4002395336456 |
|   | 150           | 100                 | 1             | 1                   | 4932367308     | 4002395336470 |
| ⑥ Ejector tool  | -             | -                   | 1             | 1                   | 4932604214     | 4002395311231 |
| ⑦ Pilot drill bit   | 11            | 120                 | 1             | 1                   | 4932245967     | 4002395307111 |
| ⑧ Vario tunnel drill bits (supplied with thread)                | 30            | 150                 | 1             | 1                   | 4932430739     | 4002395384006 |
|   | 35            | 150                 | 1             | 1                   | 4932430740     | 4002395384013 |
|   | 40            | 150                 | 1             | 1                   | 4932430743     | 4002395384044 |
|   | 45            | 150                 | 1             | 1                   | 4932430744     | 4002395384051 |
|   | 55            | 150                 | 1             | 1                   | 4932430745     | 4002395384068 |
|   | 60            | 150                 | 1             | 1                   | 4932430741     | 4002395384020 |
|   | 68            | 150                 | 1             | 1                   | 4932430746     | 4002395384075 |
|   | 80            | 150                 | 1             | 1                   | 4932430747     | 4002395384082 |
|   | 90            | 150                 | 1             | 1                   | 4932430742     | 4002395384037 |



## Drill Connect

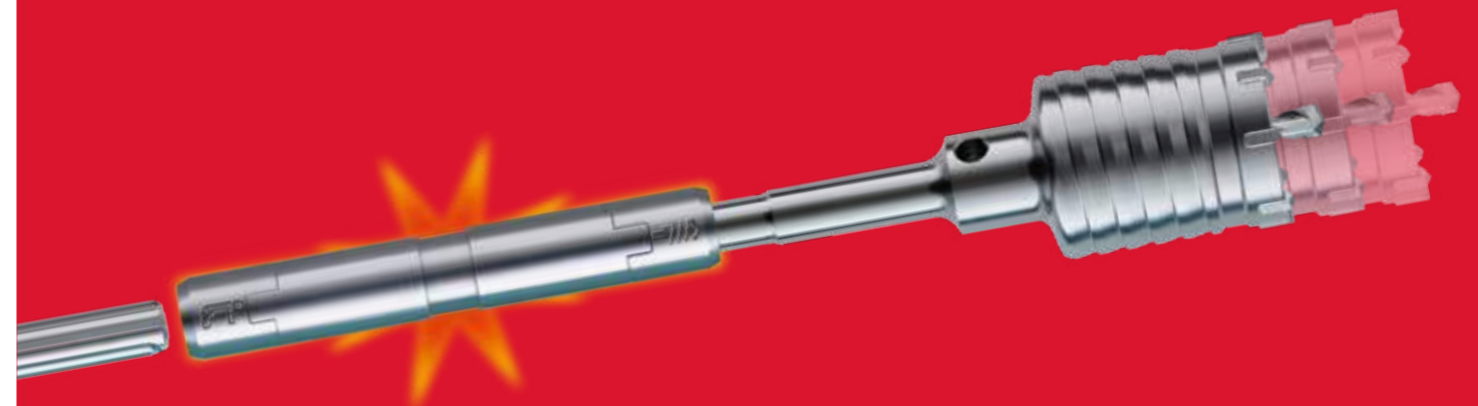
The innovative Drill Connect System is the ultimate solution for those requiring maximum versatility with large diameter drilling tools.

### Versatile:

Drill Connect acts as a link between machine and drilling tools. On one side the system is totally compatible to all SDS-Max reception drilling tools such as drill bits, tunnel bits and core cutters. On the opposite side, between the rotary hammer and the Drill Connect attachment, one can fit the extension piece with the desired length.

### Cost effective:

Professional users always require both long and short length drill bits and depending on the application sometimes even of the same diameter. But now, one can reduce the total number of drilling tools with the help of the Drill Connect System which makes it possible to interchange the drilling tools diameter and length in one simple step. Therefore users can reap the benefits of purchasing the cheaper short length drill bits and extending the length with the economical extensions plus the flexibility of Drill Connect reduces the overall quantity of drill bits one must carry in their toolbox.



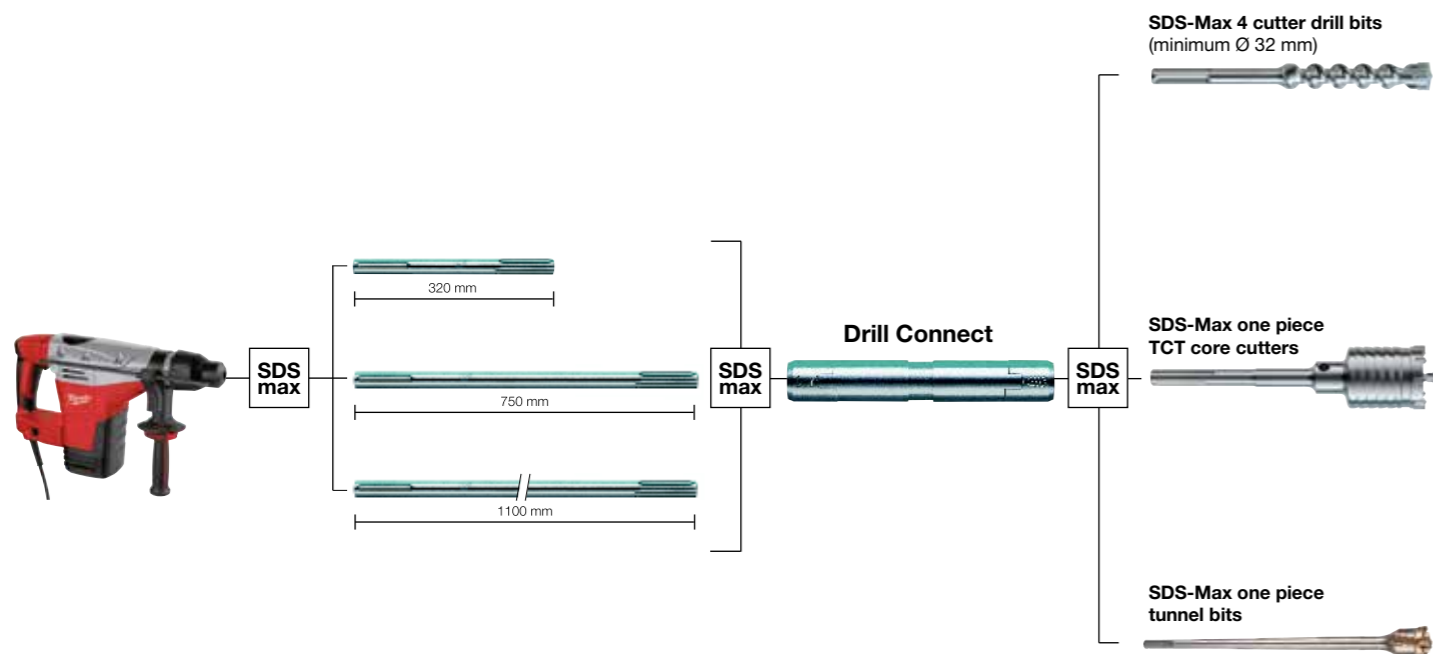
### 100% Power:

The Drill Connect attachment provides a quick and safe connection between drilling tool and extension piece and therefore ensures that 100% of the power is completely transmitted to the drill bit tip.

### Less weight:

The combination of short drilling tools and 18 mm diameter extensions reduces the overall weight by up to 15%.

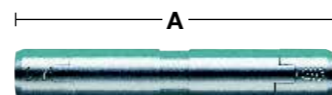
- We recommend that Drill Connect be cleaned of concrete dust and lubricated with grease at regular intervals (Grease – Part-no. 4932352273).
- Drill Connect is only suitable for drilling tools in excess of 32 mm diameter and limited for use with rotary hammers up to 8 kg in weight.



## Drill connect

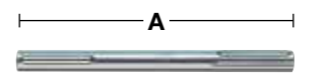
Suitable for use with drilling tools with a Ø of 32 mm and above.  
For use with rotary hammers up to 8 kg in weight.

| Description   | Tool reception | Drill connect reception | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|----------------|-------------------------|---------------------|---------------|---------------------|----------------|---------------|
| Drill connect | SDS-Max        | SDS-Max                 | 190                 | 1             | 1                   | 4932399128     | 4002395357321 |



## Extension pieces

| Description       | Tool reception | Drill connect reception | Length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|----------------|-------------------------|---------------|---------------|---------------------|----------------|---------------|
| SDS-Max extension | SDS-Max        | SDS-Max                 | 320           | 1             | 1                   | 4932399242     | 4002395358533 |
| SDS-Max extension | SDS-Max        | SDS-Max                 | 750           | 1             | 1                   | 4932399129     | 4002395357338 |
| SDS-Max extension | SDS-Max        | SDS-Max                 | 1100          | 1             | 1                   | 4932399243     | 4002395358540 |



## Grease

This grease has been specially formulated to lubricate and protect both the tool and accessories ensuring increased lifetime.

Apply sparingly directly onto the reception of the drill bit, chisel or core cutter, etc.  
Contains 50 grams.

| Description                                  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| Grease                                       | 1             | 1                   | 4932352273     | 4002395369324 |
| Counter display with 15 x single grease tube | 15            | 1                   | 4932352274     | 4002395369331 |



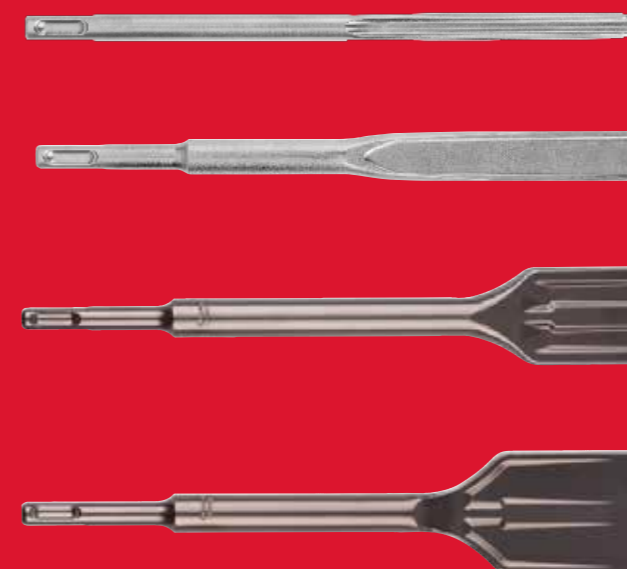
# SLEDGE™ CHISELS

# 3X MORE LIFE

\*VS STANDARD CHISELS

Our SLEDGE™ Chisels stay sharper for longer. Reinforced edges deliver maximum durability and reduced wear over the life of the chisel. We've engineered these chisels to maintain sharper edges for increased productivity with an optimized tip for fast removal of concrete, rust, cutting troughs, and asphalt.

No re-sharpening or re-hardening necessary for reduced downtime. High grade forged steel for maximum durability and longer life in concrete demolition over our standard scraping chisels. For use with SDS-Plus & Max rotary hammers.



**EXTRA LONG**  
WORKING LENGTH

**SELF-SHARPENING TIP**

MADE IN  
**GERMANY**

**RE-GRINDED TIP**  
STAYS SHARPER, BEST PERFORMANCE AND AVOIDS JAMMING

Scan the QR Code to see our full video.



## SDS-Plus SLEDGE™ Chisels

Up to 3x longer life compared to standard chisels.  
Self-sharpening tip geometry for increased productivity.  
Reinforced edges for maximum durability.  
Made in Germany.

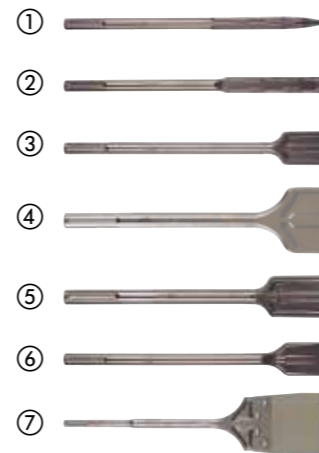
| Description                       | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------------|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① SDS-Plus SLEDGE™ pointed chisel | 250               | -                | 10            | 1                   | 4932493607     | 4058546484781 |
| ② SDS-Plus SLEDGE™ flat chisel    | 250               | 20               | 10            | 1                   | 4932493609     | 4058546484804 |
| ③ SDS-Plus SLEDGE™ wide chisel    | 250               | 40               | 1             | 1                   | 4932478264     | 4058546344412 |
| ④ SDS-Plus SLEDGE™ tile chisel    | 250               | 50               | 1             | 1                   | 4932478265     | 4058546344429 |



## SDS-Max SLEDGE™ self sharpening chisels

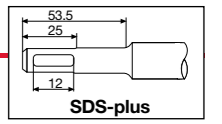
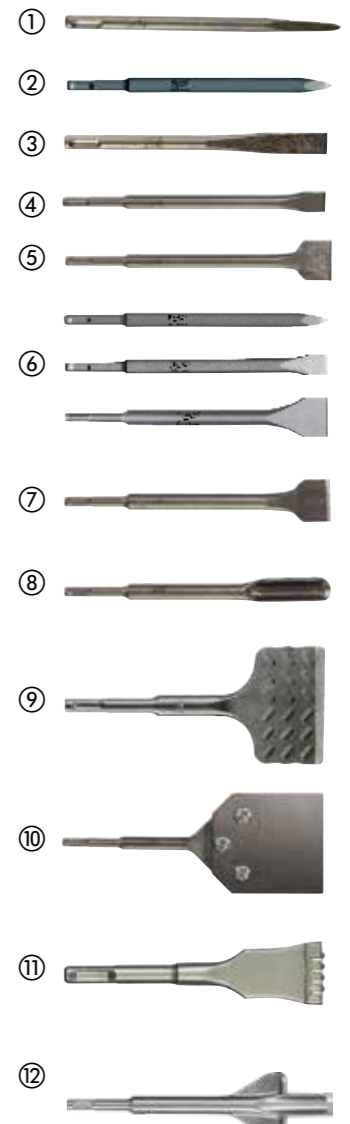
Up to 2x longer life compared to standard chisels.  
Self sharpening tip geometry.  
Extra long working length for more material removal.  
Re-ground tip stays sharper for longer and avoids jamming.  
Made in Germany.

| Description   | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① SDS-Max SLEDGE™ pointed chisel  | 400               | -                | 20            | 1                   | 4932478266     | 4058546344436 |
| ② SDS-Max SLEDGE™ flat chisel   | 400               | 25               | 20            | 1                   | 4932478267     | 4058546344443 |
| ③ SDS-Max SLEDGE™ 2 wide chisel   | 380               | 50               | 1             | 1                   | 4932478268     | 4058546344450 |
| ④ SDS-Max SLEDGE™ 3 wide chisel   | 300               | 80               | 1             | 1                   | 4932478269     | 4058546344467 |
| ⑤ SDS-Max SLEDGE™ tile chisel   | 380               | 50               | 1             | 1                   | 4932478270     | 4058546344474 |
| ⑥ SDS-Max SLEDGE™ tile chisel   | 300               | 50               | 1             | 1                   | 4932478271     | 4058546344481 |
| ⑦ SDS-Max floor scraping tool   | 635               | 152              | 1             | 1                   | 4932480474     | 4058546407599 |
| <b>SDS-Max floor scraping service set (10pc)</b>                              |                   |                  | 10            | 1                   | 4932480475     | 4058546407605 |
| 1 x blade 152x180x1.5 mm, 1 x clamping blade, 4 x nuts, 4 x countersunk bolts |                   |                  |               |                     |                |               |

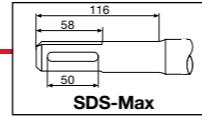


## SDS-Plus chisels

| Description  | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① SDS-Plus thin pointed chisel   | 180               | -                | 1             | 1                   | 4932451731     | 4002395276813 |
| ② SDS-Plus pointed chisel  | 250               | -                | 1             | 1                   | 4932339625     | 4002395304813 |
| ③ SDS-Plus thin flat chisel  | 180               | 14               | 1             | 1                   | 4932451732     | 4002395276820 |
| ④ SDS-Plus flat chisel   | 250               | 20               | 1             | 1                   | 4932339626     | 4002395304820 |
| ⑤ SDS-Plus wide chisel   | 250               | 40               | 1             | 1                   | 4932367146     | 4002395334377 |
| ⑥ SDS-Plus 3 pc chisel set: 1 x Pointed chisel, 1 x Flat chisel, 1 x Wide chisel | 250               | -                | 3             | 1                   | 4932430001     | 4002395376629 |
| ⑦ SDS-Plus tile removal chisel   | 250               | 40               | 1             | 1                   | 4932353424     | 4002395320202 |
| ⑧ SDS-Plus gouge chisel  | 250               | 22               | 1             | 1                   | 4932339627     | 4002395304837 |
| ⑨ SDS-Plus plaster removal chisel  | 165               | 75               | 1             | 1                   | 4932352344     | 4002395370030 |
| ⑩ SDS-Plus floor / wall scraper  | 250               | 100              | 1             | 1                   | 4932352919     | 4002395375776 |
| Spare 1 mm thick floor / wall scraper blade with 3 x bolts / nuts                | -                 | -                | 1             | 1                   | 4932480543     | 4058546408282 |
| ⑪ SDS-Plus mortar chisel   | 125               | 32               | 1             | 1                   | 4932472029     | 4058546324254 |
|  | 200               | 32               | 1             | 1                   | 4932472030     | 4058546324261 |
| ⑫ SDS-Plus wing chisel   | 250               | 22               | 1             | 1                   | 4932479900     | 4058546376949 |



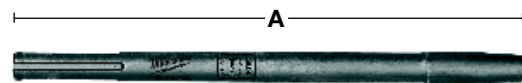
## SDS-Max chisels



| Description                                | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① SDS-Max pointed chisel                   | 280               | -                | 1             | 1                   | 4932343734     | 4002395317509 |
|  | 400               | -                | 1             | 1                   | 4932343735     | 4002395317516 |
|  | 400               | -                | 20            | 1                   | 4932399302     | 4002395359165 |
|  | 600               | -                | 1             | 1                   | 4932343736     | 4002395317523 |
| ② SDS-Max flat chisel                      | 280               | 25               | 1             | 1                   | 4932343737     | 4002395317530 |
|  | 400               | 25               | 1             | 1                   | 4932343738     | 4002395317547 |
|  | 400               | 25               | 20            | 1                   | 4932399303     | 4002395359172 |
|  | 600               | 25               | 1             | 1                   | 4932343739     | 4002395317554 |
| ③ SDS-Max wide chisel                      | 400               | 50               | 1             | 1                   | 4932343743     | 4002395317592 |
|  | 300               | 80               | 1             | 1                   | 4932343744     | 4002395317608 |
| ④ SDS-Max tile removal chisel              | 350               | 115              | 1             | 1                   | 4932343745     | 4002395317615 |
|  | 300               | 80               | 1             | 1                   | 4932399234     | 4002395358489 |
| ⑤ SDS-Max chasing gouge chisel             | 300               | 26               | 1             | 1                   | 4932343740     | 4002395317561 |
| ⑥ SDS-Max chasing wing chisel              | 380               | 35               | 1             | 1                   | 4932343746     | 4002395317622 |
| ⑦ SDS-Max spade chisel                     | 400               | 110              | 1             | 1                   | 4932343747     | 4002395317639 |
| ⑧ SDS-Max surface treatment / bushing tool | 240               | 45               | 1             | 1                   | 4932352918     | 4002395375769 |
|  | 220               | ∅ 13.3           | 1             | 1                   | 4932451354     | 4002395159031 |
|  | 220               | ∅ 16.6           | 1             | 1                   | 4932451355     | 4002395159048 |
| ⑨ SDS-Max electrode / ground rod driver    | 220               | ∅ 22.2           | 1             | 1                   | 4932451356     | 4002395159055 |
|  | 280               | 38               | 1             | 1                   | 4932472031     | 4058546324278 |

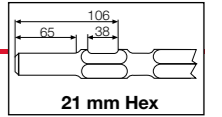


## Universal taper shanks



| Description                   | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------|---------------------|---------------|---------------------|----------------|---------------|
| Universal taper shank SDS-Max | 300                 | 1             | 1                   | 4932343771*    | 4002395317745 |

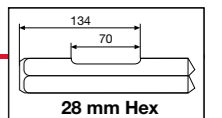
## 21 mm Hex chisels



| Description                   | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① 21 mm Hex pointed chisel    | 380               | -                | 1             | 1                   | 4932479212     | 4058546370060 |
|                               | 460               | -                | 1             | 1                   | 4932492776     | 4058546476472 |
| ② 21 mm Hex flat chisel       | 600               | -                | 1             | 1                   | 4932479213     | 4058546370077 |
|                               | 380               | 24               | 1             | 1                   | 4932479214     | 4058546370084 |
| ③ 21 mm Hex flat wide chisel  | 460               | 25               | 1             | 1                   | 4932492777     | 4058546476489 |
|                               | 600               | 24               | 1             | 1                   | 4932479215     | 4058546370091 |
| ④ 21 mm Hex spade chisel      | 300               | 50               | 1             | 1                   | 4932479216     | 4058546370107 |
|                               | 300               | 75               | 1             | 1                   | 4932479217     | 4058546370114 |
| ⑤ 21 mm Hex toolholder        | 450               | 100              | 1             | 1                   | 4932479218     | 4058546370121 |
| ⑥ 21 mm Hex tamping plate     | 300               | -                | 1             | 1                   | 4932479219     | 4058546370138 |
| ⑦ 21 mm Hex ground rod driver | 120               | 120              | 1             | 1                   | 4932479220     | 4058546370145 |



## 28 mm Hex chisels

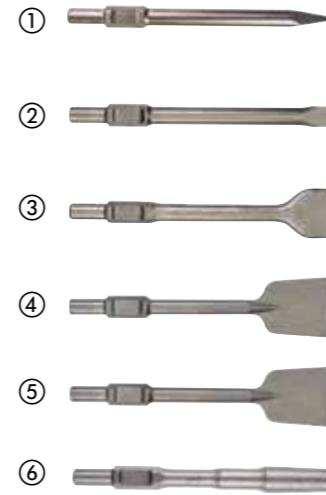
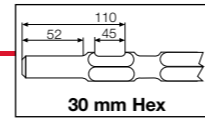


| Description                   | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① 28 mm Hex pointed chisel    | 400               | -                | 1             | 1                   | 4932459774     | 4058546029463 |
| ② 28 mm Hex flat chisel       | 400               | 35               | 1             | 1                   | 4932459775     | 4058546029470 |
| ③ 28 mm Hex flat wide chisel  | 400               | 80               | 1             | 1                   | 4932459776     | 4058546029487 |
| ④ 28 mm Hex spade chisel      | 400               | 125              | 1             | 1                   | 4932479221     | 4058546370152 |
| ⑤ 28 mm Hex asphalt cutter    | 440               | 115              | 1             | 1                   | 4932479222     | 4058546370169 |
| ⑥ 28 mm Hex toolholder        | 390               | -                | 1             | 1                   | 4932479223     | 4058546370176 |
| ⑦ 28 mm Hex tamping plate     | 200               | 200              | 1             | 1                   | 4932479224     | 4058546370183 |
| ⑧ 28 mm Hex ground rod driver | 300               | 23               | 1             | 1                   | 4932499023     | 4058546528928 |

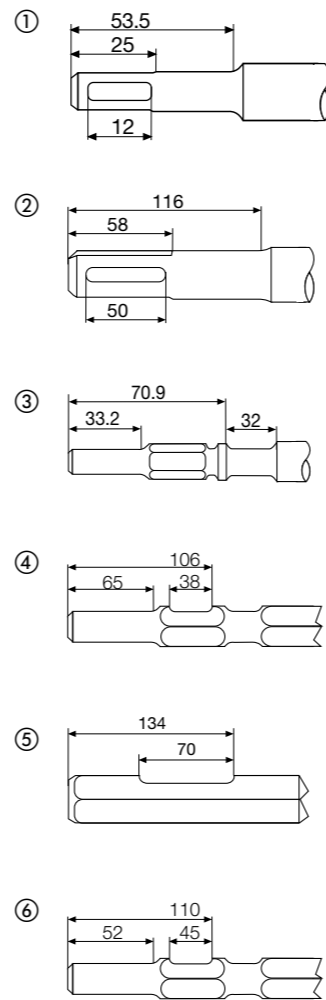


## 30 mm Hex chisels

| Description                  | Total length (mm) | Blade width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------------|-------------------|------------------|---------------|---------------------|----------------|---------------|
| ① 30 mm Hex pointed chisel   | 400               | -                | 1             | 1                   | 4932464162     | 4058546221072 |
| ② 30 mm Hex flat chisel      | 400               | 32               | 1             | 1                   | 4932464163     | 4058546221089 |
| ③ 30 mm Hex flat wide chisel | 400               | 75               | 1             | 1                   | 4932479225     | 4058546370190 |
| ④ 30 mm Hex spade chisel     | 400               | 125              | 1             | 1                   | 4932479244     | 4058546370381 |
| ⑤ 30 mm Hex asphalt cutter   | 400               | 115              | 1             | 1                   | 4932479245     | 4058546370398 |
| ⑥ 30 mm Hex toolholder       | 360               | -                | 1             | 1                   | 4932479226     | 4058546370206 |



| Name            |        | Top view | Suitable for   |
|-----------------|--------|----------|--|
| ① SDS-plus      | drill  |          | AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi |
| ① SDS-plus      | chisel |          | AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi |
| ② SDS-Max       | drill  |          | AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi |
| ② SDS-Max       | chisel |          | AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi |
| ③ 21 mm Hexagon | drill  |          | Hitachi, Kango, Makita, MILWAUKEE®                                   |
| ④ 21 mm Hexagon | chisel |          | Hitachi, Kango, Makita, MILWAUKEE®                                   |
| ⑤ 28 mm Hexagon | chisel |          | AEG, MILWAUKEE®  |
| ⑥ 30 mm Hexagon | chisel |          | Atlas Copco, Kango, MILWAUKEE®                                       |



### HEX SHANK

- To use with an impact driver and all types of 3 jaw chucks tool like a (percussion) drill driver
- Ensures a safe grip also in standard 3 jaw chucks

### WHITE FLUTE

- To identify the drill bit easily in the users toolbox
- First to market with a white flute

### 2 CUTTER CARBIDE TIP

- Allows drilling into concrete, bricks, roof tiles, cinderblocks, thin metal, ceramic, tiles, wood, PVC, aluminium, drywall, mortar and plywood
- Very popular drill bits for plumbers because of the versatility

# MULTI MATERIAL DRILL BITS

Our Multi-Material Drill Bits are the most versatile bits, designed to tackle materials such as brick, block, concrete, steel, aluminium, ceramic tile, wood, PVC, and drywall. The aggressive multi-grind carbide tip delivers up to 10x longer life in stacked materials and up to 85% faster drilling speeds in metal. Equipped with a 1/4" hex shank, these general-purpose bits are compatible with impact drivers.



# SHOCKWAVE

## IMPACT DUTY

### Multi material drill bits

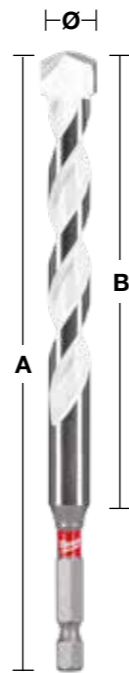
Impact rated: Designed for use with impact drivers and all types of 3 jaw chuck tools like rotary drill/ drivers and percussion drills.

Hex shank up to 260mm total length, 3 flat shank on 400mm total length drill bits.

Tungsten carbide tipped (TCT) drill bits allow drilling into concrete, bricks, roof tiles, aerated concrete blocks, thin metal, aluminium, soft to medium hardness ceramic tiles, all wood types and PVC.

White flute to identify the drill bit easily in the users tool box.

| Diameter (mm)  | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 3  | 90                | 45                  | 1             | 1                   | 4932471091     | 4058546287191 |
| 4  | 90                | 45                  | 1             | 1                   | 4932471092     | 4058546287207 |
| 5  | 100               | 50                  | 1             | 1                   | 4932471093     | 4058546287214 |
| 5  | 150               | 87                  | 1             | 1                   | 4932493873     | 4058546510336 |
| 5.5  | 100               | 50                  | 1             | 1                   | 4932471094     | 4058546287221 |
| 5.5  | 150               | 90                  | 1             | 1                   | 4932471095     | 4058546287238 |
| 6  | 100               | 50                  | 1             | 1                   | 4932471096     | 4058546287245 |
| 6  | 150               | 90                  | 1             | 1                   | 4932471097     | 4058546287252 |
| 6  | 200               | 140                 | 1             | 1                   | 4932471098     | 4058546287269 |
| 6  | 400               | 340                 | 1             | 1                   | 4932471099     | 4058546287276 |
| 6.5  | 108               | 45                  | 1             | 1                   | 4932493874     | 4058546510343 |
| 6.5  | 150               | 100                 | 1             | 1                   | 4932471100     | 4058546287283 |
| 6.5  | 200               | 140                 | 1             | 1                   | 4932471101     | 4058546287290 |
| 6.5  | 400               | 340                 | 1             | 1                   | 4932471102     | 4058546287306 |
| 7  | 100               | 50                  | 1             | 1                   | 4932471103     | 4058546287313 |
| 7  | 150               | 87                  | 1             | 1                   | 4932493875     | 4058546510350 |
| 8  | 120               | 60                  | 1             | 1                   | 4932471104     | 4058546287320 |
| 8  | 260               | 200                 | 1             | 1                   | 4932471105     | 4058546287337 |
| 8  | 400               | 340                 | 1             | 1                   | 4932471106     | 4058546287344 |
| 10   | 120               | 60                  | 1             | 1                   | 4932471107     | 4058546287351 |
| 10   | 260               | 200                 | 1             | 1                   | 4932471108     | 4058546287368 |
| 10   | 400               | 340                 | 1             | 1                   | 4932471109     | 4058546287375 |
| 12   | 150               | 90                  | 1             | 1                   | 4932471110     | 4058546287382 |
| 12   | 260               | 200                 | 1             | 1                   | 4932471111     | 4058546287399 |
| 12   | 400               | 340                 | 1             | 1                   | 4932493876     | 4058546510367 |
| 14   | 260               | 200                 | 1             | 1                   | 4932493877     | 4058546510374 |
| 14   | 400               | 340                 | 1             | 1                   | 4932493878     | 4058546510381 |
| 16   | 260               | 200                 | 1             | 1                   | 4932493879     | 4058546510398 |
| 16   | 400               | 340                 | 1             | 1                   | 4932493880     | 4058546510404 |
| <b>Multi material drill bit set (8pc)</b>                                |                   |                     |               |                     |                |               |
| Ø 4 x 100 mm, Ø 5 / 5 / 6 / 6 x 108 mm, Ø 8 / 10 x 120 mm, Ø 12 x 150 mm |                   |                     | 8             | 1                   | 4932493871     | 4058546510312 |
| <b>Multi material drill bit set (8pc)</b>                                |                   |                     |               |                     |                |               |
| Ø 4 x 100 mm, Ø 5 / 5.5 / 5.5 x 108mm, Ø 6 / 7 x 108mm, Ø 8 / 10 x 120mm |                   |                     | 8             | 1                   | 4932493872     | 4058546510329 |



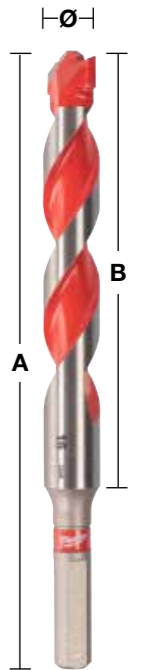
DESIGNED FOR USE IN  
**PACKOUT**



### Premium concrete drill bits - 3 flat shank

Tungsten carbide tipped (TCT) drill bits allow drilling into concrete, aerated concrete blocks, masonry, slate and granite. From Ø 5 mm the hammer drill bits are supplied with a 3 flat shank to prevent the drill bit slipping in the chuck. Ø 3 & 4 mm the drill bits are supplied with a round shank. Red flute to identify the drill bit easily in the users tool box. Can be used in hammer and rotary mode.

| Diameter (mm)  | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 3  | 90                | 45                  | 1             | 1                   | 4932471167     | 4058546287955 |
| 3.5  | 90                | 45                  | 1             | 1                   | 4932493883     | 4058546510435 |
| 4  | 90                | 45                  | 1             | 1                   | 4932471169     | 4058546287979 |
| 5  | 100               | 50                  | 1             | 1                   | 4932471171     | 4058546287993 |
| 5  | 150               | 90                  | 1             | 1                   | 4932493884     | 4058546510442 |
| 5.5  | 100               | 50                  | 1             | 1                   | 4932471173     | 4058546288013 |
| 5.5  | 150               | 90                  | 1             | 1                   | 4932493885     | 4058546510459 |
| 6  | 100               | 50                  | 1             | 1                   | 4932471175     | 4058546288037 |
| 6  | 150               | 90                  | 1             | 1                   | 4932471176     | 4058546288044 |
| 6  | 260               | 200                 | 1             | 1                   | 4932493886     | 4058546510466 |
| 6.5  | 100               | 50                  | 1             | 1                   | 4932471178     | 4058546288068 |
| 6.5  | 150               | 90                  | 1             | 1                   | 4932471179     | 4058546288075 |
| 7  | 100               | 50                  | 1             | 1                   | 4932471180     | 4058546288082 |
| 7  | 150               | 90                  | 1             | 1                   | 4932471181     | 4058546288099 |
| 8  | 100               | 50                  | 1             | 1                   | 4932471182     | 4058546288105 |
| 8  | 150               | 90                  | 1             | 1                   | 4932471183     | 4058546288112 |
| 8  | 200               | 140                 | 1             | 1                   | 4932493887     | 4058546510473 |
| 8  | 400               | 340                 | 1             | 1                   | 4932493888     | 4058546510480 |
| 9  | 120               | 60                  | 1             | 1                   | 4932493889     | 4058546510497 |
| 10   | 150               | 90                  | 1             | 1                   | 4932471186     | 4058546288143 |
| 10   | 260               | 200                 | 1             | 1                   | 4932471187     | 4058546288150 |
| 10   | 400               | 340                 | 1             | 1                   | 4932493890     | 4058546510503 |
| 11   | 150               | 90                  | 1             | 1                   | 4932493891     | 4058546510510 |
| 12   | 150               | 90                  | 1             | 1                   | 4932471188     | 4058546288167 |
| 12   | 260               | 200                 | 1             | 1                   | 4932471189     | 4058546288174 |
| 12   | 400               | 340                 | 1             | 1                   | 4932493892     | 4058546510527 |
| 14   | 150               | 90                  | 1             | 1                   | 4932471190     | 4058546288181 |
| 14   | 260               | 200                 | 1             | 1                   | 4932471191     | 4058546288198 |
| 16   | 150               | 90                  | 1             | 1                   | 4932493893     | 4058546510534 |
| 25   | 300               | 250                 | 1             | 1                   | 4932501245     | 4058546639617 |
| <b>Premium concrete drill bit set (8pc)</b>                        |                   |                     |               |                     |                |               |
| ① Ø 4 x 90 mm, Ø 5 / 5.5 / 5.5 / 6 / 7 x 100 mm, Ø 8 / 10 x 150 mm |                   |                     | 8             | 1                   | 4932493881     | 4058546510411 |
| <b>Premium concrete drill bit set (8pc)</b>                        |                   |                     |               |                     |                |               |
| ② Ø 4 x 90 mm, Ø 5 / 5 / 6 / 6 x 100 mm, Ø 8 / 10 / 12 x 150 mm    |                   |                     | 8             | 1                   | 4932493882     | 4058546510428 |



DESIGNED FOR USE IN  
**PACKOUT**



### Glass & tile bits

Suitable for drilling in non toughened glass, soft to medium hardness tiles and ceramics. Sharpened carbide for faster drilling. Reinforced carbide head for increased durability. Red painted tip. From Ø 5 mm the glass & tile drill bits are supplied with a multi-flat shank to prevent the drill bit slipping in the chuck.

| Diameter (mm)                           | Pack quantity | Min. order quantity | Article Number | EAN Code      |            |               |
|---|---------------|---------------------|----------------|---------------|------------|---------------|
| 3                                       | 1             | 1                   | 4932471955     | 4058546298548 |            |               |
| 4                                       | 1             | 1                   | 4932471956     | 4058546298555 |            |               |
| 5                                       | 1             | 1                   | 4932471957     | 4058546298562 |            |               |
| 5.5                                     | 1             | 1                   | 4932471855     | 4058546297541 |            |               |
| 6                                       | 1             | 1                   | 4932471958     | 4058546298579 |            |               |
| 6.5                                     | 1             | 1                   | 4932471856     | 4058546297558 |            |               |
| 7                                       | 1             | 1                   | 4932471857     | 4058546297565 |            |               |
| 8                                       | 1             | 1                   | 4932471959     | 4058546298586 |            |               |
| 10                                      | 1             | 1                   | 4932471960     | 4058546298593 |            |               |
| 12                                      | 1             | 1                   | 4932471961     | 4058546298609 |            |               |
| 14                                      | 1             | 1                   | 4932471858     | 4058546297572 |            |               |
| 16                                      | 1             | 1                   | 4932471859     | 4058546297589 |            |               |
| <b>Glass &amp; Tile Drill Set - 5pc</b> |               |                     |                |               |            |               |
| Ø 4 / 5 / 2 x 6 / 8                     |               |                     | 5              | 12            | 4932479948 | 4058546377427 |

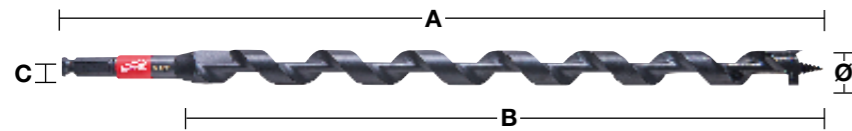


## Impact rated wood auger bits

Suitable for use with all types of corded / cordless drills including impact wrenches.  
Drilling with an impact wrench enables drilling holes with less effort, one hand drilling, drilling up a ladder and above head height with less risk of injury from the tool clutching out.  
Special zone hardening process ensures an extra hard shank, durable tip and perfectly flexible bit body.  
New MILWAUKEE® Through-Center head geometry with the lead cutting edge lines up with the center of the feed screw - this ensures efficient chip removal and allows for continuous feeding.  
20° rake angle of the lead cutting edge creates a path for easy chip ejection.  
Polished and powder coated flute design produces a non-stick surface for increased chip ejection, reduced chip clogging and higher selffeeding capability.  
Milling marks are removed in the finishing process, creating a smooth surface.  
Lewis flute with large, wide throat design for rapid chip removal.  
Sharp ground cutting lips for smooth clean holes.  
Resharpenable cutting lips.  
With 7/16" shank - to fit square drive 1/2" impact wrenches the adaptor 48660061 is required.  
Suitable for hard & soft wood, wet & treated wood, plywood, chipboard, WPC (wood plastic composite), laminated beams and panels, exotic and hard woods e.g. bongossi, iroko, teak, beech, oak, etc.



## Impact wood auger bits - long series



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---------------|---------------------|-----------------------|-----------------|---------------|---------------------|----------------|--------------|
| 14            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136754       | 045242518999 |
| 16            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136756       | 045242519002 |
| 18            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136758       | 045242500994 |
| 19            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136759       | 045242519019 |
| 20            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136760       | 045242501007 |
| 22            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136762       | 045242519033 |
| 26            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136766       | 045242501014 |
| 29            | 460                 | 395                   | 7/16" Hex       | 1             | 1                   | 48136769       | 045242519057 |

## Impact wood auger and selffeed bits - adaptor

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---|---------------|---------------------|----------------|--------------|
| Socket adaptor: 1/2" square to 7/16" and 11 mm Hex. For 7/16" selffeed bits and impact auger bits | 1             | 1                   | 48660061       | 045242155118 |

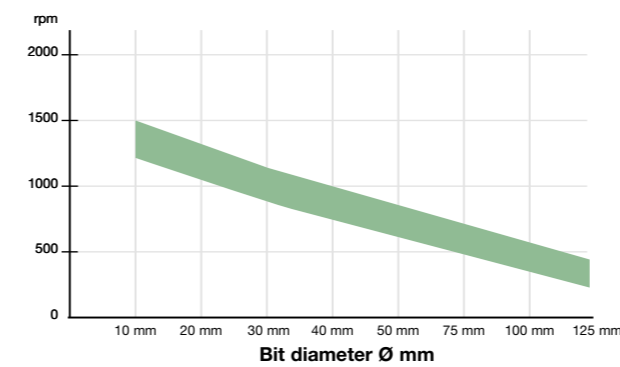


# WOOD DRILLING SPEEDS

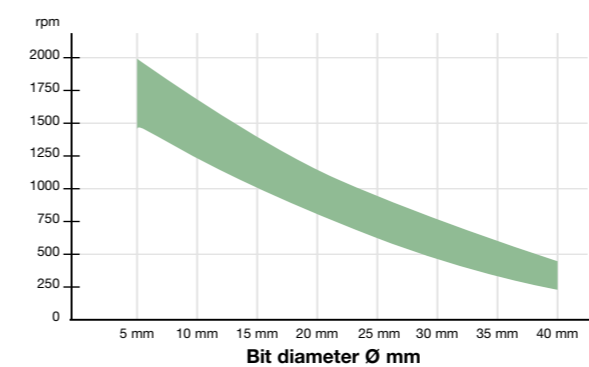
The following table give recommended drilling speeds for the most efficient cutting speed. The table should only be used as a guide and are dependant on the user and material being drilled.



### Forstner bits / Selffeed bits

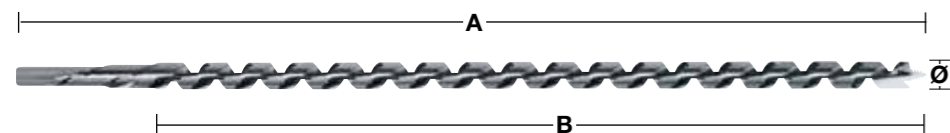


### Auger bits



## Wood auger bits

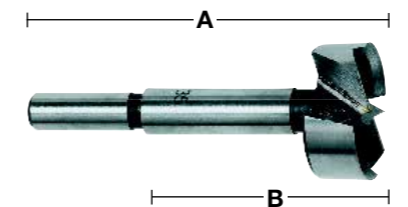
For heavy duty, precision drilling in soft and hard wood, large section beams, joists, floor boarding, chipboard and plywood.  
Lewis flute design for rapid chip removal.  
With Hex shank for secure chuck grip.



| Diameter (mm)                              | Total length (mm) A | Working length (mm) B | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|-----------------------|-----------------|---------------|---------------------|----------------|---------------|
| 6  | 230                 | 155                   | 6.5 mm Hex      | 1             | 1                   | 4932430175     | 4002395378364 |
| 6  | 460                 | 385                   | 6.5 mm Hex      | 1             | 1                   | 4932430176     | 4002395378371 |
| 8  | 230                 | 155                   | 6.5 mm Hex      | 1             | 1                   | 4932363681     | 4002395331796 |
| 8  | 460                 | 385                   | 6.5 mm Hex      | 1             | 1                   | 4932363688     | 4002395331710 |
| 10   | 230                 | 155                   | 8.5 mm Hex      | 1             | 1                   | 4932363682     | 4002395331802 |
| 10   | 460                 | 385                   | 8.5 mm Hex      | 1             | 1                   | 4932363689     | 4002395331727 |
| 10   | 600                 | 530                   | 8.5 mm Hex      | 1             | 1                   | 4932363696     | 4002395331642 |
| 12   | 230                 | 155                   | 10 mm Hex       | 1             | 1                   | 4932363683     | 4002395331819 |
| 12   | 460                 | 385                   | 10 mm Hex       | 1             | 1                   | 4932363690     | 4002395331734 |
| 12   | 600                 | 530                   | 10 mm Hex       | 1             | 1                   | 4932363697     | 4002395331659 |
| 14   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932363684     | 4002395331826 |
| 14   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932363691     | 4002395331741 |
| 14   | 600                 | 530                   | 11 mm Hex       | 1             | 1                   | 4932363698     | 4002395331666 |
| 16   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932363685     | 4002395331833 |
| 16   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932363692     | 4002395331758 |
| 16   | 600                 | 530                   | 11 mm Hex       | 1             | 1                   | 4932363699     | 4002395331673 |
| 18   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932363686     | 4002395331840 |
| 18   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932363693     | 4002395331765 |
| 18   | 600                 | 530                   | 11 mm Hex       | 1             | 1                   | 4932363700     | 4002395331680 |
| 20   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932363687     | 4002395331857 |
| 20   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932363694     | 4002395331772 |
| 20   | 600                 | 530                   | 11 mm Hex       | 1             | 1                   | 4932363701     | 4002395331697 |
| 22   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373363     | 4002395347889 |
| 22   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932363695     | 4002395331789 |
| 22   | 600                 | 530                   | 11 mm Hex       | 1             | 1                   | 4932363702     | 4002395331703 |
| 24   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373364     | 4002395347896 |
| 24   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932373370     | 4002395348558 |
| 26   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373365     | 4002395348503 |
| 26   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932373371     | 4002395348565 |
| 28   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373366     | 4002395348510 |
| 28   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932373372     | 4002395348572 |
| 30   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373367     | 4002395348527 |
| 30   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932373373     | 4002395348589 |
| 32   | 230                 | 155                   | 11 mm Hex       | 1             | 1                   | 4932373368     | 4002395348534 |
| 32   | 460                 | 385                   | 11 mm Hex       | 1             | 1                   | 4932373374     | 4002395348596 |
| <b>Wood auger bits set (6pc)</b>           |                     |                       | Wood case       | 6             | 1                   | 4932373380     | 4002395349258 |
| ① Ø 8 / 10 / 12 / 14 / 16 / 18 mm x 230 mm |                     |                       |                 |               |                     |                |               |

## Forstner bits

Centre point for precisely locating the bit. Peripheral cutters ensure splinter free drilling in all natural soft and hard woods.  
Manufactured according to DIN 74836. Suitable for heavy-duty applications in all natural, soft and hard woods.



| Diameter (mm)                        | Total length (mm) A | Working length (mm) B | Shank reception    | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------------------------------|---------------------|-----------------------|--------------------|---------------|---------------------|----------------|---------------|
| 10                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363703     | 4002395331468 |
| 12                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363704     | 4002395331475 |
| 14                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363705     | 4002395331482 |
| 15                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363883     | 4002395333738 |
| 16                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363706     | 4002395331499 |
| 18                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363707     | 4002395331505 |
| 20                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363708     | 4002395331512 |
| 25                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363711     | 4002395331543 |
| 26                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363712     | 4002395331550 |
| 30                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363714     | 4002395331574 |
| 32                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363715     | 4002395331581 |
| 35                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363717     | 4002395331604 |
| 40                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932363720     | 4002395331635 |
| 50                                   | 90                  | 50                    | 9.5 mm round shank | 1             | 1                   | 4932373923     | 4002395353538 |
| <b>Forstner drill bits set (5pc)</b> |                     |                       |                    | 5             | 1                   | 4932373379     | 4002395349241 |
| ① Ø 15 / 20 / 25 / 30 / 35 mm        |                     |                       |                    |               |                     |                |               |

# SHOCKWAVE IMPACT DUTY



# SHOCKWAVE IMPACT DUTY



## SWITCHBLADE™ selffeed bits

Speed: Aggressive feed screw design allows the bit to pull through the wood faster and without effort, resulting in faster drilling.

Replaceable SWITCHBLADE™: The SWITCHBLADE™ replaceable blade system ensures your blade is always razor sharp. It increases productivity by eliminating resharpening downtime and it increases the overall life of the bit.

Application: Suitable for all general contractors, electricians, plumbers and HVAC engineers who require to drill through holes in wood for all types of pipe, vents and wire trunking.

Each selffeed bit is supplied with 1x blade, 2x replaceable feed screws, 1x set screws and 1x allen key.



| Diameter (mm) | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-----------------|---------------|---------------------|----------------|---------------|
| 35            | 7/16" Hex       | 1             | 1                   | 4932479497     | 4058546372910 |
| 38            | 7/16" Hex       | 1             | 1                   | 4932479498     | 4058546372927 |
| 51            | 7/16" Hex       | 1             | 1                   | 4932479499     | 4058546372934 |
| 54            | 7/16" Hex       | 1             | 1                   | 4932479500     | 4058546372941 |
| 57            | 7/16" Hex       | 1             | 1                   | 4932479501     | 4058546372958 |
| 65            | 7/16" Hex       | 1             | 1                   | 4932479502     | 4058546372965 |

## SWITCHBLADE™ set

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| SWITCHBLADE™ selffeed bits set (5pc)<br>4 x SWITCHBLADE™ selffeed bits: Ø 35 / 38 / 54 / 65 mm, QUIK-LOK extension 140 mm length, 4 x Replacement SWITCHBLADE™ blades (1 for each size bit), 4 x feed screws, 4 x set screws, 1 x allen key | 5             | 1                   | 4932479503     | 4058546372972 |



## SWITCHBLADE™ replacement blades

| Diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------|---------------------|----------------|---------------|
| 35            | 1             | 1                   | 4932479546     | 4058546373405 |
| 38            | 1             | 1                   | 4932479547     | 4058546373412 |
| 51            | 1             | 1                   | 4932479548     | 4058546373429 |
| 54            | 1             | 1                   | 4932479549     | 4058546373436 |
| 57            | 1             | 1                   | 4932479550     | 4058546373443 |
| 65            | 1             | 1                   | 4932479551     | 4058546373450 |



| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| SWITCHBLADE™ service kit in storage container<br>1x feed screw, 2x set screws, 1x allen key, 1x storage container also can store spare SWITCHBLADE™ | 5             | 1                   | 4932479552     | 4058546373467 |

## Selffeed bits

All sizes have removable and replaceable feed screws.

Two feed screws supplied with each bit.

Feed screw provides fast, effortless feeding even in gummy woods.

Internal cutting plane shaves hole radius for clean, smooth holes without pressure.

Each selffeed bit is supplied with 2 x feed screws, 1 x set screw and 1 x allen key.

| Diameter (mm)                    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------------------|-----------------|---------------|---------------------|----------------|---------------|
| 25                               | 7/16" Hex       | 1             | 1                   | 4932479478     | 4058546372729 |
| 29                               | 7/16" Hex       | 1             | 1                   | 4932479479     | 4058546372736 |
| 32                               | 7/16" Hex       | 1             | 1                   | 4932479480     | 4058546372743 |
| 35                               | 7/16" Hex       | 1             | 1                   | 4932479481     | 4058546372750 |
| 38                               | 7/16" Hex       | 1             | 1                   | 4932479482     | 4058546372767 |
| 44                               | 7/16" Hex       | 1             | 1                   | 4932479483     | 4058546372774 |
| 51                               | 7/16" Hex       | 1             | 1                   | 4932479484     | 4058546372781 |
| 54                               | 7/16" Hex       | 1             | 1                   | 4932479485     | 4058546372798 |
| 57                               | 7/16" Hex       | 1             | 1                   | 4932479486     | 4058546372804 |
| 65                               | 7/16" Hex       | 1             | 1                   | 4932479487     | 4058546372811 |
| Feed screw coarse thread 1/4"    |                 | 1             | 1                   | 48286870       | 045242122707  |
| Hex key 1/8" for all arbors      |                 | 1             | 1                   | 43960270       | 045242825134  |
| Set screw for drills up to 65 mm |                 | 1             | 1                   | 06832625       | -             |



## Large selffeed bits

Large selffeed bits in 76, 92 and 116 mm sizes have double internal cutter blades that shave hole radius for clean, smooth holes without pressure.

Replaceable arbor.

| Diameter (mm)                     | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------------|-----------------|---------------|---------------------|----------------|---------------|
| 76                                | 7/16" Hex       | 1             | 1                   | 4932479489     | 4058546372835 |
| 92                                | 7/16" Hex       | 1             | 1                   | 4932479490     | 4058546372842 |
| 116                               | 7/16" Hex       | 1             | 1                   | 4932479491     | 4058546372859 |
| Replaceable arbor                 |                 | 1             | 1                   | 48070201       | 045242088904  |
| Feed screw regular thread         |                 | 1             | 1                   | 48286880       | 045242122806  |
| Set screw for drills up over 76mm |                 | 1             | 1                   | 06833150       | 4058546040864 |
| Allen key 5/32"                   |                 | 1             | 1                   | 49960070       | 045242221554  |



## Selffeed bits contractors kit

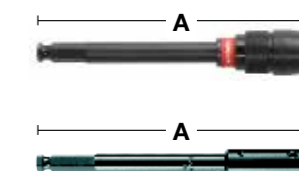
| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| Selffeed bit contractors kit (8pc)<br>Selffeed bits Ø 25 / 29 / 32 / 38 / 44 / 54 / 65 mm, extension 140 mm length and feed screws | 8             | 1                   | 4932479488     | 4058546372828 |



## Shank extensions

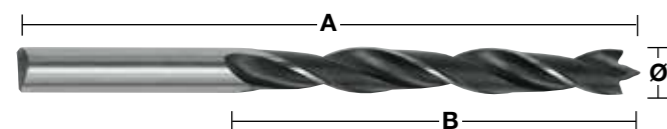
For selffeed bits, auger bits and holesaws (25 mm / 1" diameter and larger) with 7/16" Hex shank

| Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|---------------------|----------------|---------------|
| 140                 | 1             | 1                   | 4932479493     | 4058546372873 |
| 300                 | 1             | 1                   | 4932479494     | 4058546372880 |
| 450                 | 1             | 1                   | 4932479495     | 4058546372897 |
| 600                 | 1             | 1                   | 4932479496     | 4058546372903 |



## Lip & spur / brad point bits for wood - DIN 7487 E

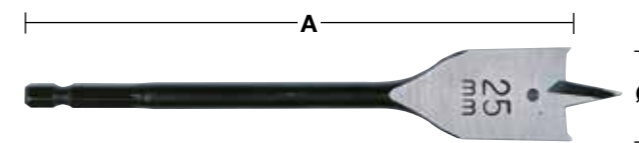
Suitable for drilling hardboard, plywood, chipboard and all natural hard and soft wood.  
Produced according to DIN 7487 E.



| Diameter (mm)   | Total length (mm) A | Working length (mm) B | Shank reception   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|-----------------------|-------------------|---------------|---------------------|----------------|---------------|
| 3   | 61                  | 33                    | 3 mm round shank  | 1             | 1                   | 4932363651     | 4002395331307 |
| 4   | 75                  | 43                    | 4 mm round shank  | 1             | 1                   | 4932363652     | 4002395331314 |
| 5   | 86                  | 52                    | 5 mm round shank  | 1             | 1                   | 4932363653     | 4002395331321 |
| 6   | 93                  | 57                    | 6 mm round shank  | 1             | 1                   | 4932363654     | 4002395331338 |
| 7   | 109                 | 69                    | 7 mm round shank  | 1             | 1                   | 4932363655     | 4002395331345 |
| 8   | 117                 | 75                    | 8 mm round shank  | 1             | 1                   | 4932363656     | 4002395331352 |
| 9   | 125                 | 80                    | 9 mm round shank  | 1             | 1                   | 4932363657     | 4002395331369 |
| 10  | 133                 | 87                    | 10 mm round shank | 1             | 1                   | 4932363658     | 4002395331376 |
| 11  | 142                 | 89                    | 10 mm round shank | 1             | 1                   | 4932363659     | 4002395331383 |
| 12  | 151                 | 96                    | 10 mm round shank | 1             | 1                   | 4932363660     | 4002395331390 |
| 13  | 151                 | 96                    | 10 mm round shank | 1             | 1                   | 4932363661     | 4002395331406 |
| 14  | 151                 | 97                    | 10 mm round shank | 1             | 1                   | 4932363662     | 4002395331413 |
| 15  | 151                 | 97                    | 10 mm round shank | 1             | 1                   | 4932363663     | 4002395331420 |
| 16  | 151                 | 97                    | 10 mm round shank | 1             | 1                   | 4932363664     | 4002395331437 |
| 18  | 180                 | 120                   | 10 mm round shank | 1             | 1                   | 4932363665     | 4002395331444 |
| 20  | 200                 | 130                   | 10 mm round shank | 1             | 1                   | 4932363666     | 4002395331451 |
| ① Wood drill bit set (5pc)<br>Ø 4 / 5 / 6 / 8 / 10 mm             |                     |                       | Plastic cassette  | 5             | 1                   | 4932352465     | 4002395371242 |
| ② Wood drill bit set (8pc)<br>Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm |                     |                       | Plastic cassette  | 8             | 1                   | 4932352466     | 4002395371259 |

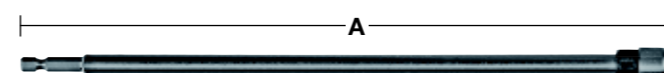
## Flat boring bits

Fast drilling of big diameters.  
Suitable for drilling in natural hard and softwood and chipboard.  
Ideal for door locks, morticing, electrical and plumbing work.  
1/4" Hex shank reception (DIN E 6.3) for direct insertion into the power tool or for secure chuck grip.  
Ground centre point for accurate positioning and sharp wings (not applicable to 6 & 8 mm) for improved cutting performance.



| Diameter (mm)   | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|---------------|---------------------|----------------|---------------|
| 6   | 152                 | 1             | 1                   | 4932352487     | 4002395371457 |
| 6   | 400                 | 1             | 1                   | 4932352488     | 4002395371464 |
| 8   | 152                 | 1             | 1                   | 4932363130     | 4002395332618 |
| 8   | 400                 | 1             | 1                   | 4932352489     | 4002395371471 |
| 10  | 152                 | 1             | 1                   | 4932363131     | 4002395332625 |
| 10  | 400                 | 1             | 1                   | 4932352490     | 4002395371488 |
| 12  | 152                 | 1             | 1                   | 4932363132     | 4002395332632 |
| 12  | 400                 | 1             | 1                   | 4932352491     | 4002395371495 |
| 13  | 152                 | 1             | 1                   | 4932363133     | 4002395332649 |
| 13  | 400                 | 1             | 1                   | 4932352492     | 4002395371501 |
| 14  | 152                 | 1             | 1                   | 4932363134     | 4002395332656 |
| 14  | 400                 | 1             | 1                   | 4932352493     | 4002395371518 |
| 16  | 152                 | 1             | 1                   | 4932363135     | 4002395332663 |
| 16  | 400                 | 1             | 1                   | 4932352494     | 4002395371525 |
| 18  | 152                 | 1             | 1                   | 4932363136     | 4002395332670 |
| 18  | 400                 | 1             | 1                   | 4932352495     | 4002395371532 |
| 19  | 152                 | 1             | 1                   | 4932363137     | 4002395332687 |
| 19  | 400                 | 1             | 1                   | 4932352496     | 4002395371549 |
| 20  | 152                 | 1             | 1                   | 4932363138     | 4002395332694 |
| 20  | 400                 | 1             | 1                   | 4932352497     | 4002395371556 |
| 22  | 152                 | 1             | 1                   | 4932363139     | 4002395332700 |
| 22  | 400                 | 1             | 1                   | 4932352498     | 4002395371563 |
| 24  | 152                 | 1             | 1                   | 4932363140     | 4002395332717 |
| 25  | 152                 | 1             | 1                   | 4932363141     | 4002395332724 |
| 25  | 400                 | 1             | 1                   | 4932352499     | 4002395371570 |
| 26  | 152                 | 1             | 1                   | 4932363142     | 4002395332731 |
| 28  | 152                 | 1             | 1                   | 4932363143     | 4002395332748 |
| 28  | 400                 | 1             | 1                   | 4932352500     | 4002395371587 |
| 30  | 152                 | 1             | 1                   | 4932363144     | 4002395332755 |
| 30  | 400                 | 1             | 1                   | 4932352501     | 4002395371594 |
| 32  | 152                 | 1             | 1                   | 4932363145     | 4002395332762 |
| 32  | 400                 | 1             | 1                   | 4932352502     | 4002395371600 |
| 35  | 400                 | 1             | 1                   | 4932352503     | 4002395371617 |
| 36  | 152                 | 1             | 1                   | 4932363146     | 4002395332779 |
| 38  | 152                 | 1             | 1                   | 4932363147     | 4002395332786 |
| 40  | 152                 | 1             | 1                   | 4932479227     | 4058546370213 |
| ① Flat bit set (8pc)<br>Ø 12 / 16 / 18 / 20 / 22 / 25 / 28 / 32 x 152 mm length |                     | 8             | 1                   | 4932352504     | 4002395371624 |

## Extension



| Description | Total length (mm) A | Shank reception | Tool reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|---------------------|-----------------|----------------|---------------|---------------------|----------------|---------------|
| Extension   | 305                 | 1/4" Hex        | 1/4" Hex       | 1             | 1                   | 4932363148     | 4002395332793 |

## SPEED FEED™ wood drill bits

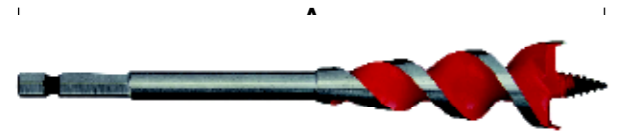
Step up from flat bit in quality and performance - faster drilling, higher lifetime and less jamming!  
Dual cutting edges for fast and aggressive cut - up to 10 times faster drilling vs. flat boring bit.  
Tapered design for reduced chip clogging, less friction and less jamming even in tough applications - results in less breakages.  
Feed screw with coarse thread increases selffeeding in all types of wood - soft & hard, wet & treated.  
Polished and powder coated flute design for increased chip ejection, reduced clogging and higher selffeeding capability.



Dual cutting edges



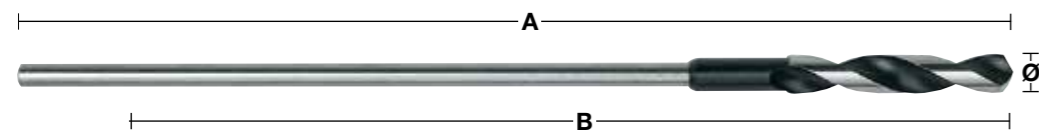
Tapered design



| Diameter (mm)                | Ø (Inch) | Total length (mm) A | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------------|----------|---------------------|-----------------|---------------|---------------------|----------------|---------------|
| 13                           | 1/2"     | 165                 | 1/4" Hex        | 1             | 1                   | 4932479471     | 4058546372651 |
| 16                           | 5/8"     | 165                 | 1/4" Hex        | 1             | 1                   | 4932479472     | 4058546372668 |
| 18                           | 3/4"     | 165                 | 1/4" Hex        | 1             | 1                   | 4932464071     | 4058546220167 |
| 20                           | 3/4"     | 165                 | 1/4" Hex        | 1             | 1                   | 4932479473     | 4058546372675 |
| 22                           | 7/8"     | 165                 | 1/4" Hex        | 1             | 1                   | 4932479474     | 4058546372682 |
| 25                           | 1"       | 165                 | 1/4" Hex        | 1             | 1                   | 4932479475     | 4058546372699 |
| 32                           | 1 1/4"   | 165                 | 1/4" Hex        | 1             | 1                   | 4932479476     | 4058546372705 |
| <b>SPEED FEED™ set (4pc)</b> |          |                     |                 | 4             | 1                   | 4932479477     | 4058546372712 |
| Ø 13 / 16 / 20 / 25 mm       |          |                     |                 |               |                     |                |               |

## HSS cable bits - DIN 7490

Manufactured from HSS steel for increased lifetime. Suitable for drilling through holes in wood, plasterboard and metal channel.  
Manufactured according to DIN 7490 and conforming to the German Employer's Liability Insurance Association in terms of safety requirements for the building trade. The body of the drill bit is attached to the cylindrical shank by means of a thread, therefore eliminating the risk of breakage and guaranteeing absolute concentricity. The small twist angle and enlarged flutes ensure rapid and clog-free chip removal.  
Made in Germany.



| Diameter (mm) | Total length (mm) A | Working length (mm) B | Shank reception   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|-------------------|---------------|---------------------|----------------|---------------|
| 6             | 400                 | 300                   | 5 mm round shank  | 1             | 1                   | 4932399672     | 4002395363223 |
| 6             | 600                 | 500                   | 5 mm round shank  | 1             | 1                   | 4932399675     | 4002395363254 |
| 8             | 400                 | 300                   | 6 mm round shank  | 1             | 1                   | 4932363667     | 4002395331932 |
| 8             | 600                 | 500                   | 6 mm round shank  | 1             | 1                   | 4932363674     | 4002395331864 |
| 10            | 400                 | 300                   | 8 mm round shank  | 1             | 1                   | 4932363668     | 4002395331949 |
| 10            | 600                 | 500                   | 8 mm round shank  | 1             | 1                   | 4932363675     | 4002395331871 |
| 12            | 400                 | 300                   | 8 mm round shank  | 1             | 1                   | 4932363669     | 4002395331956 |
| 12            | 600                 | 500                   | 8 mm round shank  | 1             | 1                   | 4932363676     | 4002395331888 |
| 14            | 400                 | 300                   | 8 mm round shank  | 1             | 1                   | 4932363670     | 4002395331963 |
| 14            | 600                 | 500                   | 8 mm round shank  | 1             | 1                   | 4932363677     | 4002395331895 |
| 16            | 400                 | 300                   | 10 mm round shank | 1             | 1                   | 4932363671     | 4002395331970 |
| 16            | 600                 | 500                   | 10 mm round shank | 1             | 1                   | 4932363678     | 4002395331901 |
| 18            | 400                 | 300                   | 10 mm round shank | 1             | 1                   | 4932363672     | 4002395331987 |
| 18            | 600                 | 500                   | 10 mm round shank | 1             | 1                   | 4932363679     | 4002395331918 |
| 20            | 400                 | 300                   | 10 mm round shank | 1             | 1                   | 4932363673     | 4002395331994 |
| 20            | 600                 | 500                   | 10 mm round shank | 1             | 1                   | 4932363680     | 4002395331925 |
| 22            | 400                 | 300                   | 10 mm round shank | 1             | 1                   | 4932399673     | 4002395363230 |
| 22            | 600                 | 500                   | 10 mm round shank | 1             | 1                   | 4932399676     | 4002395363261 |

## HSS Drill bit tip geometry

| Standard/Form | Application  | Features  |
|---------------|--|---|
|               | For standard drilling in ferrous/non ferrous metals and plastics   | The wide cutting edge provides a drill bit that is robust and resistant to sideways pressure. Due to the wide cutting edge higher feed pressure is required. Can be easily resharpened. |
|               | For drilling work in solid steel with large diameter drill bits.   | Good and easy centering. Requires very low feed pressure - approx. 30% less than a normal point drill bit.  |
|               | For drilling in high strength steel and high alloy steels. Also suitable for drilling thin sheet material. | Robust and resistant to sideways pressure.  |
|               | For drilling in high strength steel and high alloy steels. Suitable for deep drilling bits.                | Excellent chip removal makes this design ideal for deep drilling applications. Good centering. Low feed pressure required.  |
|               | For drilling cast iron.  | Extended major cutting edges reduce wear on the cutting corners for improved lifetime. Good heat conduction. Resistant to sideways pressure.  |
|               | For drilling thin sheet metal and soft materials.  | Easy centering. Low feed pressure required. Does not snatch when drilling thin materials. Accurate and clean holes.   |
|               | For high performance drilling in high strength steels such as stainless and acid resistant steel.          | Easy centering. Produces small metal chips ensuring low heat build up and quicker material resulting in faster drilling.  |
|               | For drilling in high strength steel and high alloy steel.  | Easy centering and fast drilling start with 135° split point tip. Four cutting edges create smaller chips to prevent heat build up for longer life.                                     |

## HSS Drill bit application guide

The following table gives recommended drilling speeds for the most efficient cutting speed. The tables should only be used as a guide and are dependant on the user and material being drilled. Coolants and lubricants will improve tool life by up to 5 times and workpiece finish.

| Material class                    | Material type   | Hardness/<br>Tensile<br>Strength<br>N/mm <sup>2</sup> | Rockwell  | Hole diameter Ø mm – RPM |       |        |         |                              | Cooling agent                  |                                |
|-----------------------------------|---|---|-----------|--------------------------|-------|--------|---------|------------------------------|--------------------------------|--------------------------------|
|                                   |   |   |           | Ø 1-2                    | Ø 3-5 | Ø 6-10 | Ø 11-15 | Ø 16-20                      |                                |                                |
| Steel                             | Non-alloyed construction steel, non-alloyed case hardened steel | < 400   | < HRB 69  | 4770                     | 1870  | 930    | 630     | 470                          | Drilling emulsion, cutting oil |                                |
|                                   |   | 400-800   | < HRC 21  | 4450                     | 1770  | 870    | 580     | 430                          |                                |                                |
|                                   | Sheet Steel   | < 800   | < HRC 21  | 4450                     | 1760  | 860    | 560     | 430                          | Drilling emulsion, ester oil   |                                |
|                                   | Non-alloyed tool steel  | < 800   | < HRC 21  | 4440                     | 1760  | 860    | 560     | 430                          | Drilling emulsion, cutting oil |                                |
|                                   |   | > 800   | > HRC 21  | 3950                     | 1550  | 780    | 520     | 390                          | Drilling emulsion, ester oil   |                                |
| Alloyed tool steel                | < 1200  | < HRC 37  | 2100      | 890                      | 450   | 300    | 210     | Drilling emulsion, ester oil |                                |                                |
| Alloyed hardened & tempered steel | > 1200  | > HRC 38  | 1350      | 540                      | 260   | 170    | 120     |                              |                                |                                |
| Feed                              | Feed (mm/rev)   |   |           | 0.03                     | 0.09  | 0.15   | 0.20    | 0.25                         |                                |                                |
| Stainless steel                   | Speed   | Stainless steel                                       | < 1000    | < HRC 30                 | 2250  | 930    | 450     | 290                          | 220                            | Rapeseed oil, cutting oil      |
|                                   |   | Stainless steel                                       | 1000-1200 | HRC 30-37                | 1430  | 560    | 280     | 190                          | 130                            |                                |
| Feed                              | Feed (mm/rev)   |   |           | 0.02                     | 0.06  | 0.13   | 0.18    | 0.24                         |                                |                                |
| Cast iron                         | Speed   | Malleable cast iron                                   | 750       | HRB 99                   | 4700  | 2000   | 1100    | 800                          | 600                            | Dry                            |
|                                   |   | Soft  | 450       | HRB 75                   | 4500  | 1700   | 950     | 650                          | 550                            |                                |
|                                   |   | Hard  | 700       | HRB 96                   | 3450  | 1350   | 680     | 440                          | 340                            |                                |
| Feed                              | Feed (mm/rev)   |   |           | 0.05                     | 0.10  | 0.16   | 0.20    | 0.25                         |                                |                                |
| Aluminium                         | Speed   |   | < 350     | < HRC 59                 | 8700  | 3560   | 1720    | 1130                         | 860                            | Drilling emulsion, cutting oil |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.02  | 0.08   | 0.13    | 0.18                         | 0.23                           |                                |
| Copper                            | Speed   |   |           |                          | 5100  | 2000   | 990     | 670                          | 500                            | Drilling emulsion, cutting oil |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.02  | 0.10   | 0.20    | 0.28                         | 0.35                           |                                |
| Bronze                            | Speed   |   |           |                          | 7950  | 3190   | 1480    | 1010                         | 770                            | Dry                            |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.02  | 0.11   | 0.21    | 0.32                         | 0.35                           |                                |
| Brass                             | Speed   |   |           |                          | 7950  | 3190   | 1480    | 1010                         | 770                            | Drilling emulsion              |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.02  | 0.11   | 0.21    | 0.32                         | 0.35                           |                                |
| Magnesium                         | Speed   |   |           |                          | 9550  | 3800   | 1900    | 1250                         | 970                            | Dry                            |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.05  | 0.10   | 0.25    | 0.30                         | 0.35                           |                                |
| Plastics                          | Speed   | PVC, Polyamide, Thermoplastics                        |           |                          | 3500  | 2500   | 1800    | 700                          | 450                            | Water                          |
|                                   | Feed  | Feed (mm/rev)   |           |                          | 0.05  | 0.10   | 0.16    | 0.21                         | 0.23                           |                                |

RPM: The number of revolutions that a spindle/a cutting tool completes in one minute.

Feed: This is the linear distance at which the cutter is advanced against the workpiece during one rotation of the cutting tool. It is expressed in units of distance per revolution – millimetres per revolution.

# DRILL BITS FOR METAL

Which HSS drill bit for which material?

**BEST PERFORMANCE**

**GOOD PERFORMANCE**



| MATERIAL CLASS  | MATERIAL TYPE   | HARDNESS/<br>TENSILE STRENGTH<br>N/MM <sup>2</sup> | ROCKWELL  | HSS-R DIN 338 | HSS-G THUNDERBOLT,<br>DIN 338, DIN 340, DIN<br>1897 DOUBLE ENDED,<br>HSS-G COUNTERSINKS,<br>COMBI DRILL TAP'S | RED COBALT -<br>HSS-GROUND -<br>DIN 338 AND COBALT<br>COUNTERSINKS | RED HEX -<br>SHOCKWAVE HSS-<br>GROUND TITANIUM | STEP DRILLS | SHOCKWAVE<br>STEP DRILLS | COBALT STEP DRILLS             | COOLING AGENT                  |
|-----------------|---|--|-----------|---------------|---|--|--|-------------|--------------------------|--------------------------------|--------------------------------|
| STEEL           | NON-ALLOYED CONSTRUCTION STEEL, NON-ALLOYED CASE HARDENED STEEL | < 400  | < HRB 69  |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
|                 |   | 400-800  | < HRC 21  |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
|                 | SHEET STEEL   | < 800  | < HRC 21  |               |   |  |  |             |                          |                                | DRILLING EMULSION, ESTER OIL   |
|                 | NON-ALLOYED TOOL STEEL  | < 800  | < HRC 21  |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
| CAST IRON       | ALLOYED TOOL STEEL  | < 800  | < HRC 21  |               |   |  |  |             |                          |                                | DRILLING EMULSION, ESTER OIL   |
|                 | ALLOYED HARDENED & TEMPERED STEEL                               | > 800  | > HRC 21  |               |   |  |  |             |                          |                                | DRILLING EMULSION, ESTER OIL   |
| STAINLESS STEEL | ALLOYED HARDENED & TEMPERED STEEL                               | < 1200   | < HRC 37  |               |   |  |  |             |                          |                                | DRILLING EMULSION, ESTER OIL   |
|                 | ALLOYED HARDENED & TEMPERED STEEL                               | > 1200   | > HRC 38  |               |   |  |  |             |                          |                                | DRILLING EMULSION, ESTER OIL   |
| ALUMINIUM       | STAINLESS STEEL   | < 1000   | < HRC 30  |               |   |  |  |             |                          |                                | RAPESEED OIL, CUTTING OIL      |
|                 | STAINLESS STEEL   | 1000-1200  | HRC 30-37 |               |   |  |  |             |                          |                                | RAPESEED OIL, CUTTING OIL      |
| CAST IRON       | MALLEABLE CAST IRON   | 750  | HRB 99    |               |   |  |  |             |                          |                                | DRY                            |
|                 | SOFT  | 450  | HRB 75    |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
|                 | HARD  | 700  | HRB 96    |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
| ALUMINIUM       |   | < 350  | < HRC 59  |               |   |  |  |             |                          | DRILLING EMULSION, CUTTING OIL |                                |
| COPPER          |   |  |           |               |   |  |  |             |                          |                                | DRILLING EMULSION, CUTTING OIL |
| BRONZE          |   |  |           |               |   |  |  |             |                          |                                | DRY                            |
| BRASS           |   |  |           |               |   |  |  |             |                          |                                | DRILLING EMULSION              |
| MAGNESIUM       |   |  |           |               |   |  |  |             |                          |                                | DRY                            |
| PLASTICS        | PVC, POLYAMIDE, THERMOPLASTICS                                  |  |           |               |   |  |  |             |                          |                                | WATER                          |
| WOOD            |   |  |           |               |   |  |  |             |                          |                                | DRY                            |

# HIGH PERFORMANCE DRILL BITS

**RED HEX**

**HSS-TiN METAL DRILL BITS**

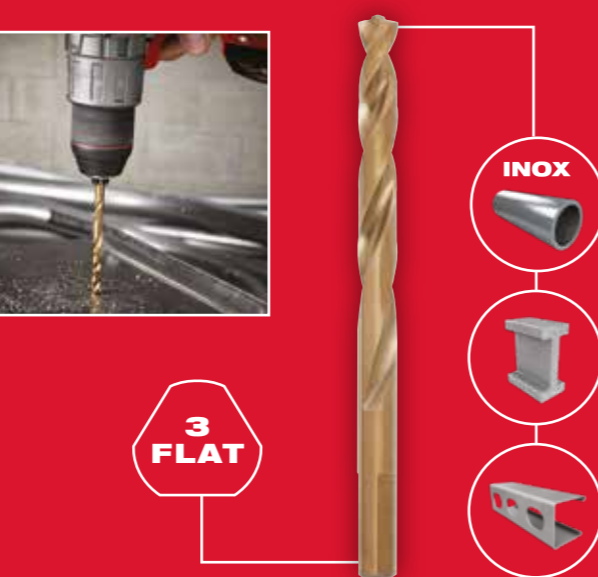
**SHOCKWAVE**  
IMPACT DUTY



FOR IMPACTS AND DRILLS

**RED COBALT**

**HSS-CO METAL DRILL BITS**



3 FLAT



## RED HEX & RED COBALT SPECIFICATIONS

### QUAD EDGE™ TIP

- Unique combination of 135° split point and four cutting edges.
- Allows for precise and fast drilling start without walking.
- Four cutting edges create smaller chips to prevent heat build up to ensure longer life.

### VARIABLE FLUTE GEOMETRY

- Faster material ejection.
- Helps the bit run cooler and prevent it from burning out faster.

### ENHANCED TAPERED WEB

- Wider core towards the shank of the drill bit.
- Strengthens the core to increase overall flute durability.



Quad Edge™ Tip on sizes > Ø 4.5 mm. 3-Flat on HSS-Co sizes > Ø 5 mm.

**SHOCKWAVE**  
IMPACT DUTY

**RED HEX**

## RED HEX - SHOCKWAVE™ HSS-TiN metal drill bits

Impact rated drill bit with 1/4" hex shank optimised for impact drivers. Titanium Nitride coating dispenses heat and makes the drill bit suitable for use also in high speed. QUAD EDGE™ Tip: unique combination of 135° split point and four cutting edges: 135° split point allows for precise & fast drilling start without walking. Four cutting edges create smaller chips to prevent heat build up for longer life.

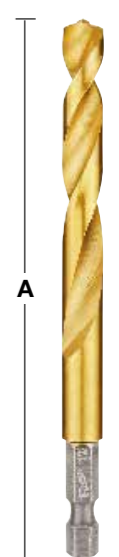
| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 2             | 59.5                | 17                    | 2             | 1                   | 48894703       | 045242501557  |
| 2.5           | 62                  | 19                    | 2             | 1                   | 48894704       | 045242501564  |
| 3             | 65                  | 23                    | 2             | 1                   | 48894763       | 045242506866  |
| 3.2           | 66.5                | 23                    | 2             | 1                   | 48894706       | 045242501571  |
| 3.3           | 67                  | 24                    | 2             | 1                   | 4932471089     | 4058546287177 |
| 3.5           | 69                  | 25                    | 2             | 1                   | 48894707       | 045242501588  |
| 4             | 71.5                | 26                    | 2             | 1                   | 48894708       | 045242501595  |
| 4.2           | 74                  | 28                    | 1             | 1                   | 48894709       | 045242501601  |
| 4.5           | 76                  | 29                    | 1             | 1                   | 48894710       | 045242501618  |
| 4.8           | 78                  | 29                    | 1             | 1                   | 48894711       | 045242501625  |
| 5             | 80                  | 31                    | 1             | 1                   | 48894712       | 045242501632  |
| 5.5           | 104                 | 60                    | 1             | 1                   | 48894764       | 045242506873  |
| 6             | 105                 | 63                    | 1             | 1                   | 48894714       | 045242501649  |
| 6.5           | 107                 | 64                    | 1             | 1                   | 48894715       | 045242501656  |
| 6.8           | 108                 | 65                    | 1             | 1                   | 48894716       | 045242501663  |
| 7             | 109                 | 66                    | 1             | 1                   | 48894717       | 045242501670  |
| 7.5           | 110                 | 67                    | 1             | 1                   | 48894718       | 045242501687  |
| 8             | 111                 | 70                    | 1             | 1                   | 48894719       | 045242501694  |
| 8.5           | 114                 | 72                    | 1             | 1                   | 48894720       | 045242501700  |
| 9             | 117                 | 73                    | 1             | 1                   | 48894721       | 045242501717  |
| 9.5           | 118                 | 74                    | 1             | 1                   | 48894722       | 045242501724  |
| 10            | 120                 | 76                    | 1             | 1                   | 48894723       | 045242501731  |
| 10.2          | 121                 | 77                    | 1             | 1                   | 4932471090     | 4058546287184 |
| 10.5          | 122                 | 78                    | 1             | 1                   | 48894724       | 045242501748  |
| 11            | 125                 | 80                    | 1             | 1                   | 48894725       | 045242501755  |
| 11.5          | 126                 | 81                    | 1             | 1                   | 48894726       | 045242501762  |
| 12            | 127                 | 82                    | 1             | 1                   | 48894727       | 045242501779  |
| 12.5          | 128                 | 83                    | 1             | 1                   | 48894728       | 045242501786  |
| 13            | 130                 | 83                    | 1             | 1                   | 48894729       | 045242501793  |

|   |   |    |   |            |               |
|---|---|----|---|------------|---------------|
| ① | SHOCKWAVE™ HSS-G TiN Red Hex drill bits set (10pc)<br>Ø 3 / 3.5 / 4 / 4.5 / 5 / 6 / 7 / 8 / 9 / 10 mm<br>Shockwave HSS-G TiN Red Hex Set CB (19pc)  | 10 | 1 | 4932493865 | 4058546510251 |
| ② | Ø 2 / 2.5 / 2 x 3 / 3.5 / 2 x 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm<br>Shockwave HSS-G TiN Red Hex Set (25pc)<br>Ø 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13mm | 19 | 1 | 4932499763 | 4058546569273 |
|   |   | 25 | 1 | 4932500420 | 4058546617226 |

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 2.5           | 62                  | 19                    | 10            | 1                   | 4932478175     | 4058546341084 |
| 3.0           | 65                  | 23                    | 10            | 1                   | 4932478176     | 4058546341091 |
| 3.5           | 69                  | 25                    | 10            | 1                   | 4932478177     | 4058546341107 |
| 4.0           | 71.5                | 26                    | 10            | 1                   | 4932478178     | 4058546341114 |
| 4.5           | 76                  | 29                    | 10            | 1                   | 4932478179     | 4058546341121 |
| 5.0           | 80                  | 31                    | 10            | 1                   | 4932478180     | 4058546341138 |
| 6.0           | 105                 | 63                    | 10            | 1                   | 4932478181     | 4058546341145 |
| 7.0           | 109                 | 66                    | 5             | 1                   | 4932478182     | 4058546341152 |
| 8.0           | 111                 | 70                    | 5             | 1                   | 4932478183     | 4058546341169 |
| 10.0          | 120                 | 76                    | 5             | 1                   | 4932478184     | 4058546341176 |
| 10.5          | 122                 | 39                    | 5             | 1                   | 4932500414     | 4058546617165 |
| 11            | 125                 | 40.5                  | 5             | 1                   | 4932500415     | 4058546617172 |
| 11.5          | 126                 | 41                    | 5             | 1                   | 4932500416     | 4058546617189 |
| 12            | 127                 | 41.5                  | 5             | 1                   | 4932500417     | 4058546617196 |
| 12.5          | 128                 | 41.5                  | 5             | 1                   | 4932500418     | 4058546617202 |
| 13            | 130                 | 42.5                  | 5             | 1                   | 4932500419     | 4058546617219 |



Ø



DESIGNED FOR USE IN PACKOUT



**RED COBALT - HSS-Ground - DIN 338**  
**Cobalt metal drill bits**

Metal drill bits ground from solid, extremely heat resistant 5% cobalt-alloyed high speed steel produced according to DIN 338.

Suitable for drilling high alloy content steels and metals with tensile strengths over 1000 N/mm<sup>2</sup> like stainless steel.

QUAD EDGE™ Tip: unique combination of 135° split point and four cutting edges: 135° split point allows for precise & fast drilling start without walking. Four cutting edges create smaller chips to prevent heat build up for longer life.

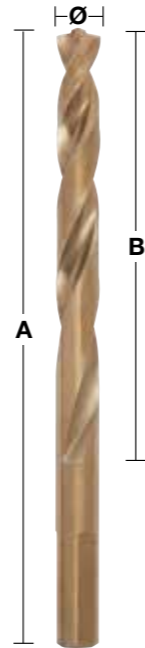
Variable flute geometry: For faster material ejection. Helps the bit run cooler and prevent it from burning out faster.

Enhanced tapered web: Wider core towards the shank of the drill bit. Strengthens the core to increase overall flute durability.

3-flat shank from Ø 5 mm for better grip and prevents chuck slippage.

Colour: bronze.

**RED COBALT**



**DESIGNED FOR USE IN**  
**PACKOUT™**

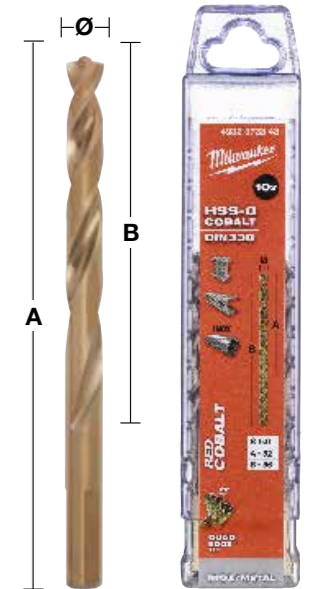
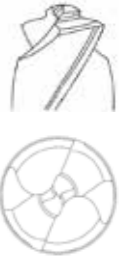


| Diameter (mm)  | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 1.0  | 34                  | 12                    | 2             | 1                   | 4932363248     | 4002395333080 |
| 1.5  | 40                  | 18                    | 2             | 1                   | 4932363249     | 4002395333097 |
| 2.0  | 49                  | 24                    | 2             | 1                   | 4932363250     | 4002395333103 |
| 2.5  | 57                  | 30                    | 2             | 1                   | 4932363251     | 4002395333110 |
| 3.0  | 61                  | 33                    | 2             | 1                   | 4932363253     | 4002395333134 |
| 3.2  | 65                  | 36                    | 2             | 1                   | 4932363254     | 4002395333141 |
| 3.3  | 67                  | 37                    | 2             | 1                   | 4932471140     | 4058546287689 |
| 3.5  | 70                  | 39                    | 2             | 1                   | 4932363256     | 4002395333165 |
| 4.0  | 75                  | 43                    | 2             | 1                   | 4932363258     | 4002395333189 |
| 4.2  | 75                  | 43                    | 1             | 1                   | 4932363260     | 4002395333202 |
| 4.5  | 80                  | 47                    | 1             | 1                   | 4932363262     | 4002395333226 |
| 4.8  | 86                  | 52                    | 1             | 1                   | 4932363263     | 4002395333233 |
| 5.0  | 86                  | 52                    | 1             | 1                   | 4932363264     | 4002395333240 |
| 5.5  | 93                  | 57                    | 1             | 1                   | 4932363267     | 4002395333271 |
| 6.0  | 93                  | 57                    | 1             | 1                   | 4932363268     | 4002395333288 |
| 6.5  | 101                 | 63                    | 1             | 1                   | 4932363269     | 4002395333295 |
| 6.8  | 109                 | 69                    | 1             | 1                   | 4932363270     | 4002395333301 |
| 7.0  | 109                 | 69                    | 1             | 1                   | 4932363271     | 4002395333318 |
| 7.5  | 109                 | 69                    | 1             | 1                   | 4932363272     | 4002395333325 |
| 8.0  | 117                 | 75                    | 1             | 1                   | 4932363274     | 4002395333349 |
| 8.5  | 117                 | 75                    | 1             | 1                   | 4932363276     | 4002395333363 |
| 9.0  | 125                 | 81                    | 1             | 1                   | 4932363277     | 4002395333370 |
| 9.5  | 125                 | 81                    | 1             | 1                   | 4932363278     | 4002395333387 |
| 10.0   | 133                 | 87                    | 1             | 1                   | 4932363279     | 4002395333394 |
| 10.2   | 133                 | 87                    | 1             | 1                   | 4932471141     | 4058546287696 |
| 10.5   | 133                 | 87                    | 1             | 1                   | 4932363281     | 4002395333417 |
| 11.0   | 142                 | 94                    | 1             | 1                   | 4932363282     | 4002395333424 |
| 11.5   | 142                 | 94                    | 1             | 1                   | 4932363283     | 4002395333431 |
| 12.0   | 151                 | 101                   | 1             | 1                   | 4932363284     | 4002395333448 |
| 12.5   | 151                 | 101                   | 1             | 1                   | 4932363285     | 4002395333455 |
| 13.0   | 151                 | 101                   | 1             | 1                   | 4932363286     | 4002395333462 |
| ① RED COBALT HSS-Ground set (8pc)<br>Ø3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm  |                     |                       | 8             | 1                   | 4932499256     | 4058546564209 |
| ② RED COBALT HSS-Ground set (19pc)<br>Ø1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm                                     |                     |                       | 19            | 1                   | 4932499764     | 4058546569280 |
| ③ RED COBALT HSS-Ground set (25pc)<br>Ø1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm |                     |                       | 25            | 1                   | 4932499765     | 4058546569297 |

**RED COBALT - HSS-Ground - DIN 338**  
**Cobalt metal drill bits - 5 and 10 pack**

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 6.8           | 109                 | 69                    | 5             | 1                   | 4932373347     | 4002395347124 |
| 7.0           | 109                 | 69                    | 5             | 1                   | 4932373348     | 4002395347131 |
| 7.5           | 109                 | 69                    | 5             | 1                   | 4932373349     | 4002395347148 |
| 8.0           | 117                 | 75                    | 5             | 1                   | 4932373350     | 4002395347155 |
| 8.5           | 117                 | 75                    | 5             | 1                   | 4932373351     | 4002395347162 |
| 9.0           | 125                 | 81                    | 5             | 1                   | 4932373352     | 4002395347179 |
| 9.5           | 125                 | 81                    | 5             | 1                   | 4932373353     | 4002395347186 |
| 10.0          | 133                 | 87                    | 5             | 1                   | 4932373354     | 4002395347193 |
| 10.2          | 133                 | 87                    | 5             | 1                   | 4932471143     | 4058546287719 |
| 10.5          | 133                 | 87                    | 5             | 1                   | 4932373355     | 4002395347803 |
| 11.0          | 142                 | 94                    | 5             | 1                   | 4932373356     | 4002395347810 |
| 11.5          | 142                 | 94                    | 5             | 1                   | 4932373357     | 4002395347827 |
| 12.0          | 151                 | 101                   | 5             | 1                   | 4932373358     | 4002395347834 |
| 12.5          | 151                 | 101                   | 5             | 1                   | 4932373359     | 4002395347841 |
| 13.0          | 151                 | 101                   | 5             | 1                   | 4932373360     | 4002395347858 |
| 1.0           | 34                  | 12                    | 10            | 1                   | 4932373332     | 4002395349173 |
| 1.5           | 40                  | 18                    | 10            | 1                   | 4932373333     | 4002395349180 |
| 2.0           | 49                  | 24                    | 10            | 1                   | 4932373334     | 4002395349197 |
| 2.5           | 57                  | 30                    | 10            | 1                   | 4932373335     | 4002395349807 |
| 3.0           | 61                  | 33                    | 10            | 1                   | 4932373336     | 4002395349814 |
| 3.2           | 65                  | 36                    | 10            | 1                   | 4932373337     | 4002395349821 |
| 3.3           | 67                  | 37                    | 10            | 1                   | 4932471142     | 4058546287702 |
| 3.5           | 70                  | 39                    | 10            | 1                   | 4932373338     | 4002395349838 |
| 4.0           | 75                  | 43                    | 10            | 1                   | 4932373339     | 4002395349845 |
| 4.2           | 75                  | 43                    | 10            | 1                   | 4932373340     | 4002395349852 |
| 4.5           | 80                  | 47                    | 10            | 1                   | 4932373341     | 4002395349869 |
| 4.8           | 86                  | 52                    | 10            | 1                   | 4932373342     | 4002395349876 |
| 5.0           | 86                  | 52                    | 10            | 1                   | 4932373343     | 4002395349883 |
| 5.5           | 93                  | 57                    | 10            | 1                   | 4932373344     | 4002395349890 |
| 6.0           | 93                  | 57                    | 10            | 1                   | 4932373345     | 4002395347100 |
| 6.5           | 101                 | 63                    | 10            | 1                   | 4932373346     | 4002395347117 |

**RED COBALT**



## Countersinks-HSS

According to DIN 335C / 90° angle.  
Cutting edges: 3  
Deburring and countersinking in one go according to DIN74/75.  
Cutting geometry optimised for easy centering, good chip removal and low vibrations.  
Best lifetime is achieved when used with lubricant.  
Suitable for steel < 900 N/mm<sup>2</sup>, aluminium and plastics.

| Diameter (mm)              | Screw size | Shank diameter (mm) | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------------|------------|---------------------|-------------------|---------------|---------------------|----------------|---------------|
| 6.3                        | M3         | 5                   | 45                | 1             | 1                   | 4932493969     | 4058546511296 |
| 8.3                        | M4         | 6                   | 50                | 1             | 1                   | 4932493970     | 4058546511302 |
| 10.4                       | M5         | 6                   | 50                | 1             | 1                   | 4932493971     | 4058546511319 |
| 12.4                       | M6         | 8                   | 56                | 1             | 1                   | 4932493972     | 4058546511326 |
| 16.5                       | M8         | 10                  | 60                | 1             | 1                   | 4932493973     | 4058546511333 |
| 20.5                       | M10        | 10                  | 63                | 1             | 1                   | 4932493974     | 4058546511340 |
| Countersink set HSS - 6 pc |            |                     |                   | 6             | 1                   | 4932493574     | 4058546484453 |



## Countersinks-HSS Cobalt

According to DIN 335C / 90° angle.  
Cutting edges: 3  
Deburring and countersinking in one go according to DIN74/75.  
Cutting geometry optimised for easy centering, good chip removal and low vibrations.  
Up to 50% longer lifetime vs. standard HSS countersinks. Requires less feedforce.  
Best lifetime is achieved when used with lubricant.  
Suitable for steel and stainless steel < 1100 N/mm<sup>2</sup>, cast iron, aluminium and plastics.

| Diameter (mm)                 | Screw size | Shank diameter (mm) | Total length A (m) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------|------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| 6.3                           | M3         | 5                   | 45                 | 1             | 1                   | 4932493975     | 4058546511357 |
| 8.3                           | M4         | 6                   | 50                 | 1             | 1                   | 4932493976     | 4058546511364 |
| 10.4                          | M5         | 6                   | 50                 | 1             | 1                   | 4932493977     | 4058546511371 |
| 12.4                          | M6         | 8                   | 56                 | 1             | 1                   | 4932493978     | 4058546511388 |
| 16.5                          | M8         | 10                  | 60                 | 1             | 1                   | 4932493979     | 4058546511395 |
| 20.5                          | M10        | 10                  | 63                 | 1             | 1                   | 4932493980     | 4058546511401 |
| Countersink set HSS Co - 6 pc |            |                     |                    | 6             | 1                   | 4932493575     | 4058546484460 |



| Material Quality                  | HSS | HSS Cobalt |
|-----------------------------------|-----|------------|
| Steel (N/mm <sup>2</sup> ) < 900  | ✓   | ✓          |
| Steel (N/mm <sup>2</sup> ) < 1300 | ◆   | ✓          |
| Stainless Steel                   |     | ✓          |
| Aluminium                         | ✓   | ✓          |
| Cast Iron                         | ◆   | ✓          |
| Plastics                          | ✓   |            |

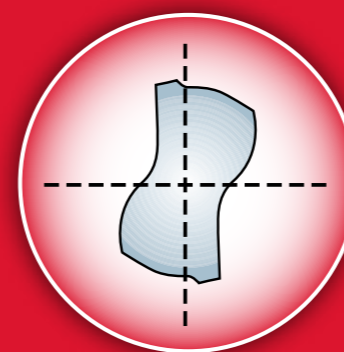
# THUNDERWEB

Metal drill bits HSS Ground - DIN 338

Milwaukee THUNDERWEB

Standard drill bit

The **THUNDERWEB** design is characterised by a conical shaped web which gets thicker towards the back of the drill bit. The web is the internal core of the drill bit.

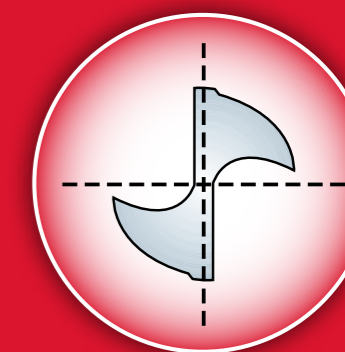


Parabolic web cross section

- Large web thickness. Strength built in.
- Accepts higher feed pressure and torque.
- Less breakages. Good for drilling deep holes and on curved surfaces.
- Long life.



The web on standard drill bits is a constant thickness throughout the length of the bit.



Conventional type web cross section

## THUNDERWEB SPECIFICATION

### FLUTE GEOMETRY

- **THUNDERWEB** flute form ejects hot chips rapidly. Disseparates heat better increasing lifetime.
- Open flute form reduces drill drawback when drilling deeper holes.
- Sharpened edges reduce binding for faster cleaner cuts.
- Flatter twist angle creates smaller chippings, ideal for drilling harder steels ie. stainless steel.

### 135° SPLIT POINT

- Precision starting, drill bit won't walk.
- Penetrates quickly.
- Good for drilling on curved surfaces.
- Requires less effort/feed pressure.
- Excellent for very hard materials.



## THUNDERWEB - HSS-Ground metal drill bits - DIN338

| Diameter (mm)                       | Total length (mm) A   | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------------|---|-----------------------|---------------|---------------------|----------------|---------------|
| 1.0                                 | 34  | 12                    | 2             | 1                   | 4932352345     | 4002395370047 |
| 1.5                                 | 40  | 18                    | 2             | 1                   | 4932352346     | 4002395370054 |
| 2.0                                 | 49  | 24                    | 2             | 1                   | 4932352347     | 4002395370061 |
| 2.5                                 | 57  | 30                    | 2             | 1                   | 4932352348     | 4002395370078 |
| 3.0                                 | 61  | 33                    | 2             | 1                   | 4932352349     | 4002395370085 |
| 3.2                                 | 65  | 36                    | 2             | 1                   | 4932352350     | 4002395370092 |
| 3.5                                 | 70  | 39                    | 2             | 1                   | 4932352351     | 4002395370108 |
| 4.0                                 | 75  | 43                    | 2             | 1                   | 4932352352     | 4002395370115 |
| 4.2                                 | 75  | 43                    | 1             | 1                   | 4932352353     | 4002395370122 |
| 4.5                                 | 80  | 47                    | 1             | 1                   | 4932352354     | 4002395370139 |
| 4.8                                 | 86  | 52                    | 1             | 1                   | 4932352355     | 4002395370146 |
| 5.0                                 | 86  | 52                    | 1             | 1                   | 4932352356     | 4002395370153 |
| 5.5                                 | 93  | 57                    | 1             | 1                   | 4932352357     | 4002395370160 |
| 6.0                                 | 93  | 57                    | 1             | 1                   | 4932352358     | 4002395370177 |
| 6.5                                 | 101   | 63                    | 1             | 1                   | 4932352359     | 4002395370184 |
| 6.8                                 | 109   | 69                    | 1             | 1                   | 4932352360     | 4002395370191 |
| 7.0                                 | 109   | 69                    | 1             | 1                   | 4932352361     | 4002395370207 |
| 7.5                                 | 109   | 69                    | 1             | 1                   | 4932352362     | 4002395370214 |
| 8.0                                 | 117   | 75                    | 1             | 1                   | 4932352363     | 4002395370221 |
| 8.5                                 | 117   | 75                    | 1             | 1                   | 4932352364     | 4002395370238 |
| 9.0                                 | 125   | 81                    | 1             | 1                   | 4932352365     | 4002395370245 |
| 9.5                                 | 125   | 81                    | 1             | 1                   | 4932352366     | 4002395370252 |
| 10.0                                | 133   | 87                    | 1             | 1                   | 4932352367     | 4002395370269 |
| 10.5                                | 133   | 87                    | 1             | 1                   | 4932352368     | 4002395370276 |
| 11.0                                | 142   | 94                    | 1             | 1                   | 4932352369     | 4002395370283 |
| 11.5                                | 142   | 94                    | 1             | 1                   | 4932352370     | 4002395370290 |
| 12.0                                | 151   | 101                   | 1             | 1                   | 4932352371     | 4002395370306 |
| 12.5                                | 151   | 101                   | 1             | 1                   | 4932352372     | 4002395370313 |
| 13.0                                | 151   | 101                   | 1             | 1                   | 4932352373     | 4002395370320 |
| 13.5                                | 152   | 57                    | 1             | 1                   | 4932500400     | 4058546617028 |
| 14                                  | 152   | 57                    | 1             | 1                   | 4932500401     | 4058546617035 |
| 14.5                                | 152   | 57                    | 1             | 1                   | 4932500402     | 4058546617042 |
| 15.0                                | 152   | 57                    | 1             | 1                   | 4932500403     | 4058546617059 |
| 15.5                                | 152   | 57                    | 1             | 1                   | 4932500404     | 4058546617066 |
| 16.0                                | 152   | 57                    | 1             | 1                   | 4932500405     | 4058546617073 |
| 16.5                                | 152   | 57                    | 1             | 1                   | 4932500406     | 4058546617080 |
| 17.0                                | 152   | 57                    | 1             | 1                   | 4932500407     | 4058546617097 |
| 17.5                                | 152   | 57                    | 1             | 1                   | 4932500408     | 4058546617103 |
| 18.0                                | 152   | 57                    | 1             | 1                   | 4932500409     | 4058546617110 |
| 18.5                                | 152   | 57                    | 1             | 1                   | 4932500410     | 4058546617127 |
| 19.0                                | 152   | 57                    | 1             | 1                   | 4932500411     | 4058546617134 |
| 19.5                                | 152   | 57                    | 1             | 1                   | 4932500412     | 4058546617141 |
| 20.0                                | 152   | 57                    | 1             | 1                   | 4932500413     | 4058546617158 |
| Thunderweb HSS-Ground set CB (19pc) |   |                       |               |                     |                |               |
| ①                                   | Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm |                       | 19            | 1                   | 4932499766     | 4058546569303 |

|                                     |   |  |    |   |            |               |
|-------------------------------------|---|--|----|---|------------|---------------|
| Thunderweb HSS-Ground set CB (25pc) |   |  |    |   |            |               |
| ②                                   | Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm |  | 25 | 1 | 4932499767 | 4058546569310 |



## THUNDERWEB - DIN 338 - 5 and 10 pack

| Diameter (mm) | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 1             | 34                | 12                  | 10            | 1                   | 4932352377     | 4002395370368 |
| 1.1           | 36                | 14                  | 10            | 1                   | 4932459826     | 4058546029982 |
| 1.2           | 38                | 16                  | 10            | 1                   | 4932459827     | 4058546029999 |
| 1.3           | 38                | 16                  | 10            | 1                   | 4932459828     | 4058546030001 |
| 1.4           | 40                | 18                  | 10            | 1                   | 4932459829     | 4058546030018 |
| 1.5           | 40                | 18                  | 10            | 1                   | 4932352378     | 4002395370375 |
| 1.6           | 43                | 20                  | 10            | 1                   | 4932459830     | 4058546030025 |
| 1.7           | 43                | 20                  | 10            | 1                   | 4932459831     | 4058546030032 |
| 1.8           | 46                | 22                  | 10            | 1                   | 4932459832     | 4058546030049 |
| 1.9           | 46                | 22                  | 10            | 1                   | 4932459833     | 4058546030056 |
| 2             | 49                | 24                  | 10            | 1                   | 4932352379     | 4002395370382 |
| 2.1           | 49                | 24                  | 10            | 1                   | 4932459834     | 4058546030063 |
| 2.2           | 53                | 27                  | 10            | 1                   | 4932459835     | 4058546030070 |
| 2.3           | 53                | 27                  | 10            | 1                   | 4932459836     | 4058546030087 |
| 2.4           | 57                | 30                  | 10            | 1                   | 4932430569     | 4002395382309 |
| 2.5           | 57                | 30                  | 10            | 1                   | 4932352380     | 4002395370399 |
| 2.6           | 57                | 30                  | 10            | 1                   | 4932459837     | 4058546030094 |
| 2.7           | 61                | 33                  | 10            | 1                   | 4932459838     | 4058546030100 |
| 2.8           | 61                | 33                  | 10            | 1                   | 4932459839     | 4058546030117 |
| 2.9           | 61                | 33                  | 10            | 1                   | 4932459840     | 4058546030124 |
| 3             | 61                | 33                  | 10            | 1                   | 4932352381     | 4002395370405 |
| 3.1           | 65                | 36                  | 10            | 1                   | 4932459841     | 4058546030131 |
| 3.2           | 65                | 36                  | 10            | 1                   | 4932352382     | 4002395370412 |
| 3.3           | 65                | 36                  | 10            | 1                   | 4932459842     | 4058546030148 |
| 3.4           | 70                | 39                  | 10            | 1                   | 4932459843     | 4058546030155 |



**THUNDERWEB - DIN 338 - 5 and 10 pack**

| Diameter (mm) | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 3.5           | 70                | 39                  | 10            | 1                   | 4932352383     | 4002395370429 |
| 3.6           | 70                | 39                  | 10            | 1                   | 4932459844     | 4058546030162 |
| 3.7           | 70                | 39                  | 10            | 1                   | 4932459845     | 4058546030179 |
| 3.8           | 75                | 43                  | 10            | 1                   | 4932430547     | 4002395382088 |
| 3.9           | 75                | 43                  | 10            | 1                   | 4932459846     | 4058546030186 |
| 4             | 75                | 43                  | 10            | 1                   | 4932352384     | 4002395370436 |
| 4.1           | 75                | 43                  | 10            | 1                   | 4932459847     | 4058546030193 |
| 4.2           | 75                | 43                  | 10            | 1                   | 4932352385     | 4002395370443 |
| 4.3           | 80                | 47                  | 10            | 1                   | 4932459848     | 4058546030209 |
| 4.4           | 80                | 47                  | 10            | 1                   | 4932459849     | 4058546030216 |
| 4.5           | 80                | 47                  | 10            | 1                   | 4932352386     | 4002395370450 |
| 4.6           | 80                | 47                  | 10            | 1                   | 4932459850     | 4058546030223 |
| 4.7           | 80                | 47                  | 10            | 1                   | 4932459851     | 4058546030230 |
| 4.8           | 86                | 52                  | 10            | 1                   | 4932352387     | 4002395370467 |
| 4.9           | 86                | 52                  | 10            | 1                   | 4932459852     | 4058546030247 |
| 5             | 86                | 52                  | 10            | 1                   | 4932352388     | 4002395370474 |
| 5.1           | 86                | 52                  | 10            | 1                   | 4932459853     | 4058546030254 |
| 5.2           | 86                | 52                  | 10            | 1                   | 4932430548     | 4002395382095 |
| 5.3           | 86                | 52                  | 10            | 1                   | 4932459854     | 4058546030261 |
| 5.4           | 93                | 57                  | 10            | 1                   | 4932459855     | 4058546030278 |
| 5.5           | 93                | 57                  | 10            | 1                   | 4932352389     | 4002395370481 |
| 5.6           | 93                | 57                  | 10            | 1                   | 4932430570     | 4002395382316 |
| 5.7           | 93                | 57                  | 10            | 1                   | 4932459856     | 4058546030285 |
| 5.8           | 93                | 57                  | 10            | 1                   | 4932430549     | 4002395382101 |
| 5.9           | 93                | 57                  | 10            | 1                   | 4932459857     | 4058546030292 |
| 6             | 93                | 57                  | 10            | 1                   | 4932352390     | 4002395370498 |
| 6.1           | 101               | 63                  | 10            | 1                   | 4932459858     | 4058546030308 |
| 6.2           | 101               | 63                  | 10            | 1                   | 4932430550     | 4002395382118 |
| 6.3           | 101               | 63                  | 10            | 1                   | 4932459859     | 4058546030315 |
| 6.4           | 101               | 63                  | 10            | 1                   | 4932430571     | 4002395382323 |
| 6.5           | 101               | 63                  | 10            | 1                   | 4932352391     | 4002395370504 |
| 6.6           | 101               | 63                  | 5             | 1                   | 4932459860     | 4058546030322 |
| 6.7           | 101               | 63                  | 5             | 1                   | 4932459861     | 4058546030339 |
| 6.8           | 109               | 69                  | 5             | 1                   | 4932352392     | 4002395370511 |
| 6.9           | 109               | 69                  | 5             | 1                   | 4932459862     | 4058546030346 |
| 7             | 109               | 69                  | 5             | 1                   | 4932352393     | 4002395370528 |
| 7.1           | 109               | 69                  | 5             | 1                   | 4932459863     | 4058546030353 |
| 7.2           | 109               | 69                  | 5             | 1                   | 4932430551     | 4002395382125 |
| 7.3           | 109               | 69                  | 5             | 1                   | 4932459864     | 4058546030360 |
| 7.4           | 109               | 69                  | 5             | 1                   | 4932459865     | 4058546030377 |
| 7.5           | 109               | 69                  | 5             | 1                   | 4932352394     | 4002395370535 |
| 7.6           | 117               | 75                  | 5             | 1                   | 4932459866     | 4058546030384 |
| 7.7           | 117               | 75                  | 5             | 1                   | 4932459867     | 4058546030391 |
| 7.8           | 117               | 75                  | 5             | 1                   | 4932459868     | 4058546030407 |
| 7.9           | 117               | 75                  | 5             | 1                   | 4932459869     | 4058546030414 |
| 8             | 117               | 75                  | 5             | 1                   | 4932352395     | 4002395370542 |
| 8.1           | 117               | 75                  | 5             | 1                   | 4932459870     | 4058546030421 |
| 8.2           | 117               | 75                  | 5             | 1                   | 4932430552     | 4002395382132 |
| 8.3           | 117               | 75                  | 5             | 1                   | 4932459871     | 4058546030438 |
| 8.4           | 117               | 75                  | 5             | 1                   | 4932430553     | 4002395382149 |
| 8.5           | 117               | 75                  | 5             | 1                   | 4932352396     | 4002395370559 |
| 8.6           | 125               | 81                  | 5             | 1                   | 4932459872     | 4058546030445 |
| 8.7           | 125               | 81                  | 5             | 1                   | 4932459873     | 4058546030452 |
| 8.8           | 125               | 81                  | 5             | 1                   | 4932459874     | 4058546030469 |
| 8.9           | 125               | 81                  | 5             | 1                   | 4932459875     | 4058546030476 |
| 9             | 125               | 81                  | 5             | 1                   | 4932352397     | 4002395370566 |
| 9.1           | 125               | 81                  | 5             | 1                   | 4932459876     | 4058546030483 |
| 9.2           | 125               | 81                  | 5             | 1                   | 4932459877     | 4058546030490 |
| 9.3           | 125               | 81                  | 5             | 1                   | 4932459878     | 4058546030506 |
| 9.4           | 125               | 81                  | 5             | 1                   | 4932459879     | 4058546030513 |
| 9.5           | 125               | 81                  | 5             | 1                   | 4932352398     | 4002395370573 |
| 9.6           | 133               | 87                  | 5             | 1                   | 4932459880     | 4058546030520 |
| 9.7           | 133               | 87                  | 5             | 1                   | 4932459881     | 4058546030537 |
| 9.8           | 133               | 87                  | 5             | 1                   | 4932459882     | 4058546030544 |
| 9.9           | 133               | 87                  | 5             | 1                   | 4932459883     | 4058546030551 |



**THUNDERWEB - DIN 338 - 5 and 10 pack**

| Diameter (mm) | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 10            | 133               | 87                  | 5             | 1                   | 4932352399     | 4002395370580 |
| 10.5          | 133               | 87                  | 5             | 1                   | 4932352400     | 4002395370597 |
| 11            | 142               | 94                  | 5             | 1                   | 4932352401     | 4002395370603 |
| 11.5          | 142               | 94                  | 5             | 1                   | 4932352402     | 4002395370610 |
| 12            | 151               | 101                 | 5             | 1                   | 4932352403     | 4002395370627 |
| 12.5          | 151               | 101                 | 5             | 1                   | 4932352404     | 4002395370634 |
| 13            | 151               | 101                 | 5             | 1                   | 4932352405     | 4002395370641 |



**THUNDERWEB - DIN 338 - cassettes**

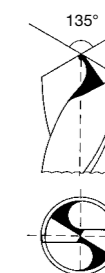
| Description   | Supplied in      | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|------------------|---------------|---------------------|----------------|---------------|
| <b>THUNDERWEB HSS-G set (19pc)</b>  |                  |               |                     |                |               |
| Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm                                     | Plastic cassette | 19            | 1                   | 4932499766     | 4058546569303 |
| <b>THUNDERWEB HSS-G set (25pc)</b>  |                  |               |                     |                |               |
| Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm | Plastic cassette | 25            | 1                   | 4932499767     | 4058546569310 |

DESIGNED FOR USE IN **PACKOUT**™

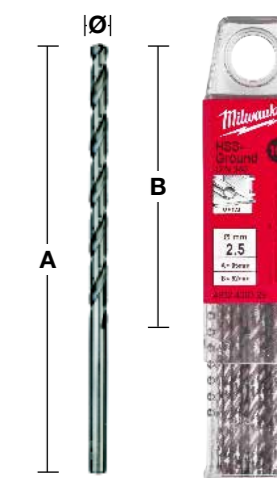


**HSS-G metal drill bits - long - DIN 340 - 5 and 10 pack**

High quality high speed steel.  
Split point DIN 1412 C.  
Right hand cutting edge.  
135° angle for improved centering.  
Most suitable for drilling deep holes in channels or where there are hollow sections.  
Suitable for drilling steel, cast iron, alloyed and non alloyed material up to 900 N/mm².  
Also suitable for wood and plastics.



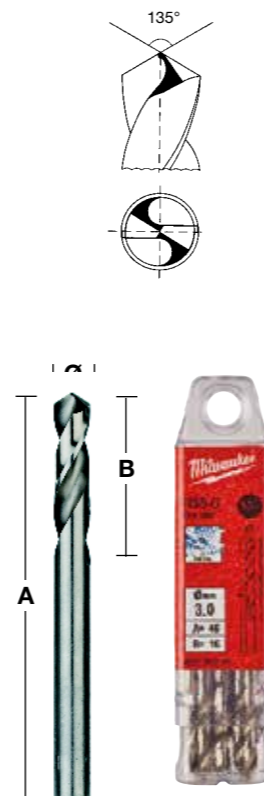
| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 2.0           | 85                  | 56                    | 10            | 1                   | 4932430328     | 4002395379897 |
| 2.5           | 95                  | 62                    | 10            | 1                   | 4932430329     | 4002395379903 |
| 3.0           | 100                 | 66                    | 10            | 1                   | 4932430330     | 4002395379910 |
| 3.5           | 112                 | 73                    | 10            | 1                   | 4932430331     | 4002395379927 |
| 4.0           | 119                 | 78                    | 10            | 1                   | 4932430332     | 4002395379934 |
| 4.5           | 126                 | 82                    | 10            | 1                   | 4932430333     | 4002395379941 |
| 5.0           | 132                 | 87                    | 10            | 1                   | 4932430334     | 4002395379958 |
| 5.5           | 139                 | 91                    | 10            | 1                   | 4932430335     | 4002395379965 |
| 6.0           | 139                 | 91                    | 10            | 1                   | 4932430336     | 4002395379972 |
| 6.5           | 148                 | 97                    | 10            | 1                   | 4932430337     | 4002395379989 |
| 7.0           | 156                 | 102                   | 10            | 1                   | 4932430338     | 4002395379996 |
| 8.0           | 165                 | 109                   | 10            | 1                   | 4932430339     | 4002395380008 |
| 9.0           | 175                 | 115                   | 10            | 1                   | 4932430340     | 4002395380015 |
| 10.0          | 184                 | 121                   | 10            | 1                   | 4932430341     | 4002395380022 |
| 11.0          | 195                 | 128                   | 5             | 1                   | 4932430342     | 4002395380039 |
| 12.0          | 205                 | 134                   | 5             | 1                   | 4932430343     | 4002395380046 |
| 13.0          | 205                 | 134                   | 5             | 1                   | 4932430344     | 4002395380053 |



## HSS-G metal drill bits - short - DIN 1897 - 5 and 10 pack

Drill bit quality: High quality high speed steel.  
Tip geometry: Split Point DIN 1412 C.  
Point angle: 135°. Tolerance: h8.  
Flute / Helix angle: Type N flute and normal 20 - 30° angle.  
Right hand cutting edge. Surface / Colour: Polished silver.  
Withstands high drill point pressure due to short overall length.  
Excellent concentricity. Polished type N flute with right hand cutting edge, eliminates binding for faster chip removal and faster cutting with less effort.  
Application: Most suited for drilling sheet and thin walled materials.  
Suitable for drilling in sheet steel, thin alloyed and non-alloyed material up to 900 N/mm<sup>2</sup>.  
Also suitable for wood and plastics.

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 2.0           | 38                  | 12                    | 10            | 1                   | 4932352200     | 4002395368532 |
| 2.5           | 43                  | 14                    | 10            | 1                   | 4932352201     | 4002395368549 |
| 3.0           | 46                  | 16                    | 10            | 1                   | 4932352202     | 4002395368556 |
| 3.2           | 49                  | 18                    | 10            | 1                   | 4932352203     | 4002395368563 |
| 3.3           | 49                  | 18                    | 10            | 1                   | 4932352204     | 4002395368570 |
| 3.5           | 52                  | 20                    | 10            | 1                   | 4932352205     | 4002395368587 |
| 3.7           | 52                  | 20                    | 10            | 1                   | 4932352206     | 4002395368594 |
| 4.0           | 55                  | 22                    | 10            | 1                   | 4932352207     | 4002395368600 |
| 4.2           | 55                  | 22                    | 10            | 1                   | 4932352208     | 4002395368617 |
| 4.5           | 58                  | 24                    | 10            | 1                   | 4932352209     | 4002395368624 |
| 4.8           | 62                  | 26                    | 10            | 1                   | 4932352210     | 4002395368631 |
| 5.0           | 62                  | 26                    | 10            | 1                   | 4932352211     | 4002395368648 |
| 5.2           | 62                  | 26                    | 10            | 1                   | 4932352212     | 4002395368655 |
| 5.5           | 66                  | 28                    | 10            | 1                   | 4932352213     | 4002395368662 |
| 6.0           | 66                  | 28                    | 10            | 1                   | 4932352214     | 4002395368679 |
| 6.5           | 70                  | 31                    | 10            | 1                   | 4932352215     | 4002395368686 |
| 7.0           | 74                  | 34                    | 5             | 1                   | 4932352216     | 4002395368693 |
| 7.5           | 74                  | 34                    | 5             | 1                   | 4932352217     | 4002395368709 |
| 8.0           | 79                  | 37                    | 5             | 1                   | 4932352218     | 4002395368716 |
| 8.5           | 79                  | 37                    | 5             | 1                   | 4932352219     | 4002395368723 |
| 9.0           | 84                  | 40                    | 5             | 1                   | 4932352220     | 4002395368730 |
| 10.0          | 89                  | 43                    | 5             | 1                   | 4932352221     | 4002395368747 |



## HSS-G metal drill bits - double ended - 10 pack

Drill bit quality: High quality high speed steel. Tip geometry: Split Point DIN 1412 C. Point angle: 135°  
Tolerance: h8. Flute / Helix angle: Type N flute and normal 20 - 30° angle.  
Right hand cutting edge. Surface / Colour: Polished silver.  
Split point tip for good centering. Both ends can be used.  
Due to its short length it can be used with higher feed pressure without the risk of breakage.  
Excellent concentricity. Polished type N flute with right hand cutting edge, eliminates binding for faster chip removal and faster cutting with less effort.  
Application: Suitable drilling in steel, non-ferrous metals and plastic. Most suitable for thin sheet materials e.g. rivet holes.

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 2.5           | 43                  | 10                    | 10            | 1                   | 4932352222     | 4002395368754 |
| 3.0           | 46                  | 11                    | 10            | 1                   | 4932352223     | 4002395368761 |
| 3.2           | 49                  | 12                    | 10            | 1                   | 4932352224     | 4002395368778 |
| 3.3           | 49                  | 12                    | 10            | 1                   | 4932352225     | 4002395368785 |
| 3.5           | 52                  | 14                    | 10            | 1                   | 4932352226     | 4002395368792 |
| 4.0           | 55                  | 14                    | 10            | 1                   | 4932352227     | 4002395368808 |
| 4.1           | 55                  | 14                    | 10            | 1                   | 4932352228     | 4002395368815 |
| 4.2           | 55                  | 14                    | 10            | 1                   | 4932352229     | 4002395368822 |
| 4.5           | 58                  | 16                    | 10            | 1                   | 4932352230     | 4002395368839 |
| 4.8           | 62                  | 18                    | 10            | 1                   | 4932352231     | 4002395368846 |
| 5.0           | 62                  | 18                    | 10            | 1                   | 4932352232     | 4002395368853 |
| 5.5           | 66                  | 19                    | 10            | 1                   | 4932352233     | 4002395368860 |
| 6.0           | 66                  | 19                    | 10            | 1                   | 4932352234     | 4002395368877 |



## Metal drill bits HSS rollforged - DIN 338 - 5 and 10 pack

High speed steel rollforged metal drill bits produced according to DIN 338.  
Oxide coating enables quick swarf removal. Normal point shaped cutting tip with 118° angle.  
Type N flute normal angle.  
Suitable for drilling in steel, cast iron, alloyed and non-alloyed material up to 800 N/mm<sup>2</sup>.  
Colour: black.

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 1.0           | 34                  | 12                    | 10            | 1                   | 4932363444     | 4002395329458 |
| 1.5           | 40                  | 18                    | 10            | 1                   | 4932363449     | 4002395329502 |
| 2.0           | 49                  | 24                    | 10            | 1                   | 4932363454     | 4002395329557 |
| 2.5           | 57                  | 30                    | 10            | 1                   | 4932363459     | 4002395329601 |
| 3.0           | 61                  | 33                    | 10            | 1                   | 4932363464     | 4002395329656 |
| 3.2           | 65                  | 36                    | 10            | 1                   | 4932363466     | 4002395329670 |
| 3.5           | 70                  | 39                    | 10            | 1                   | 4932363469     | 4002395329700 |
| 4.0           | 75                  | 43                    | 10            | 1                   | 4932363474     | 4002395329755 |
| 4.2           | 75                  | 43                    | 10            | 1                   | 4932363476     | 4002395329779 |
| 4.5           | 80                  | 47                    | 10            | 1                   | 4932363479     | 4002395329809 |
| 4.8           | 86                  | 52                    | 10            | 1                   | 4932363482     | 4002395329830 |
| 5.0           | 86                  | 52                    | 10            | 1                   | 4932363484     | 4002395329854 |
| 5.5           | 93                  | 57                    | 10            | 1                   | 4932363489     | 4002395329908 |
| 6.0           | 93                  | 57                    | 10            | 1                   | 4932363494     | 4002395329953 |
| 6.5           | 101                 | 63                    | 10            | 1                   | 4932363499     | 4002395330003 |
| 6.8           | 109                 | 69                    | 10            | 1                   | 4932363502     | 4002395330034 |
| 7.0           | 109                 | 69                    | 10            | 1                   | 4932363504     | 4002395330058 |
| 7.5           | 109                 | 69                    | 10            | 1                   | 4932363509     | 4002395330102 |
| 8.0           | 117                 | 75                    | 10            | 1                   | 4932363514     | 4002395330157 |
| 8.5           | 117                 | 75                    | 10            | 1                   | 4932363519     | 4002395330201 |
| 9.0           | 125                 | 81                    | 10            | 1                   | 4932363524     | 4002395330256 |
| 9.5           | 125                 | 81                    | 10            | 1                   | 4932363529     | 4002395330300 |
| 10.0          | 133                 | 87                    | 10            | 1                   | 4932363534     | 4002395330355 |
| 10.5          | 133                 | 87                    | 5             | 1                   | 4932363539     | 4002395330409 |
| 11.0          | 142                 | 94                    | 5             | 1                   | 4932363544     | 4002395330454 |
| 11.5          | 142                 | 94                    | 5             | 1                   | 4932363549     | 4002395330508 |
| 12.0          | 151                 | 101                   | 5             | 1                   | 4932363554     | 4002395330553 |
| 12.5          | 151                 | 101                   | 5             | 1                   | 4932363559     | 4002395330607 |
| 13.0          | 151                 | 101                   | 5             | 1                   | 4932363564     | 4002395330652 |



## Metal drill bits HSS rollforged - DIN 338 - cassettes

| Description   | Supplied in | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-------------|---------------|---------------------|----------------|---------------|
| <b>HSS-R drill bits set (19pc)</b>  |             |               |                     |                |               |
| ① Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm                                     | Metal case  | 19            | 1                   | 4932352468     | 4002395371273 |
| <b>HSS-R drill bits set (25pc)</b>  |             |               |                     |                |               |
| ② Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm | Metal case  | 25            | 1                   | 4932352469     | 4002395371280 |



## Metal drill bits HSS Rollforged - DIN 338 with reduced shank

High speed steel rollforged metal drill bits produced according to DIN 338.

Oxide coating enables quick swarf removal.

Normal point shaped cutting tip with 118° angle.

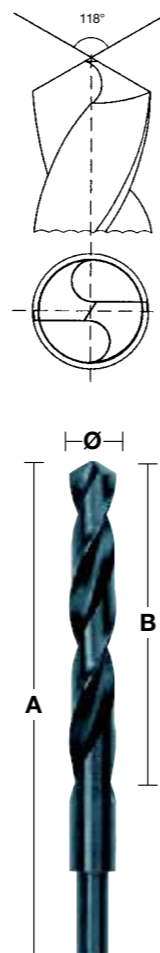
Type N flute normal angle.

Suitable for drilling in steel, cast iron, alloyed and non-alloyed material up to 800 N/mm<sup>2</sup>.

Colour: black.

Ø 13.5 mm - Ø 16 mm = 10 mm shank / Ø 16.5 mm - Ø 20 mm = 13 mm shank.

| Diameter (mm) | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| 13.5          | 160                 | 108                   | 1             | 1                   | 4932373318     | 4002395348435 |
| 14.0          | 160                 | 108                   | 1             | 1                   | 4932373319     | 4002395348442 |
| 14.5          | 169                 | 108                   | 1             | 1                   | 4932373320     | 4002395348459 |
| 15.0          | 169                 | 114                   | 1             | 1                   | 4932373321     | 4002395348466 |
| 15.5          | 178                 | 120                   | 1             | 1                   | 4932373322     | 4002395348473 |
| 16.0          | 178                 | 120                   | 1             | 1                   | 4932373323     | 4002395348480 |
| 16.5          | 184                 | 125                   | 1             | 1                   | 4932373324     | 4002395348497 |
| 17.0          | 184                 | 125                   | 1             | 1                   | 4932373325     | 4002395349104 |
| 17.5          | 191                 | 130                   | 1             | 1                   | 4932373326     | 4002395349111 |
| 18.0          | 191                 | 130                   | 1             | 1                   | 4932373327     | 4002395349128 |
| 18.5          | 198                 | 135                   | 1             | 1                   | 4932373328     | 4002395349135 |
| 19.0          | 198                 | 135                   | 1             | 1                   | 4932373329     | 4002395349142 |
| 19.5          | 205                 | 140                   | 1             | 1                   | 4932373330     | 4002395349159 |
| 20.0          | 205                 | 140                   | 1             | 1                   | 4932373331     | 4002395349166 |



## Metal drill bits HSS rollforged - DIN 338 - 345 pc cabinet

| Diameter (mm)  | Total length (mm) A | Working length (mm) B | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|-----------------------|---------------|---------------------|----------------|---------------|
| Metal drill bit cabinet with HSS rollforged metal drill bits (345pc) |                     |                       | 345           | 1                   | 4932352674     | 4002395373321 |
| 1.0  | 34                  | 12                    | 20            |                     |                |               |
| 1.5  | 40                  | 18                    | 20            |                     |                |               |
| 2  | 49                  | 24                    | 20            |                     |                |               |
| 2.5  | 57                  | 30                    | 20            |                     |                |               |
| 3  | 61                  | 33                    | 20            |                     |                |               |
| 3.5  | 70                  | 39                    | 20            |                     |                |               |
| 4  | 75                  | 43                    | 20            |                     |                |               |
| 4.5  | 80                  | 47                    | 20            |                     |                |               |
| 5  | 86                  | 52                    | 20            |                     |                |               |
| 5.5  | 93                  | 57                    | 20            |                     |                |               |
| 6  | 93                  | 57                    | 20            |                     |                |               |
| 6.5  | 101                 | 63                    | 20            |                     |                |               |
| 7  | 109                 | 69                    | 10            |                     |                |               |
| 7.5  | 109                 | 69                    | 10            |                     |                |               |
| 8  | 117                 | 75                    | 20            |                     |                |               |
| 8.5  | 117                 | 75                    | 10            |                     |                |               |
| 9  | 125                 | 81                    | 10            |                     |                |               |
| 9.5  | 125                 | 81                    | 5             |                     |                |               |
| 10   | 133                 | 87                    | 10            |                     |                |               |
| 10.5   | 133                 | 87                    | 5             |                     |                |               |
| 11   | 142                 | 94                    | 5             |                     |                |               |
| 11.5   | 142                 | 94                    | 5             |                     |                |               |
| 12   | 151                 | 101                   | 5             |                     |                |               |
| 12.5   | 151                 | 101                   | 5             |                     |                |               |
| 13   | 151                 | 101                   | 5             |                     |                |               |



## HSS G Combi Drill Tap

3 in 1 combination HSS-G drill bit: drilling, threading and deburring in one single operation.

Suitable for use with battery powered or corded drills.

Reception: 1/4" hex, E6.3.

Impact rated : suitable for use with cordless impact drivers when keeping to recommended drilling speed.

Thread type: metric ISO-thread DIN 13.

Suitable for drilling in plastics, sheet steel and non-alloyed material up to 800 N/mm<sup>2</sup>.

Always use a suitable cutting oil.

| Length (mm) | Screw size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|------------|---------------|---------------------|----------------|---------------|
| 52          | M3         | 1             | 1                   | 4932498261     | 4058546521301 |
| 52          | M4         | 1             | 1                   | 4932498262     | 4058546521318 |
| 57          | M5         | 1             | 1                   | 4932498263     | 4058546521325 |
| 57          | M6         | 1             | 1                   | 4932498264     | 4058546521332 |
| 57          | M8         | 1             | 1                   | 4932498265     | 4058546521349 |
| 58          | M10        | 1             | 1                   | 4932498266     | 4058546521356 |

1/4" HSS-G Combi Drill Tap Set - 6 pc

M3, M4, M5, M6, M8, M10



DESIGNED FOR USE IN  
**PACKOUT**



# COBALT STEP DRILLS



New Aluminum Chromium Nitride (AlCrN) coating for 10x more life vs. MILWAUKEE® standard step drill. For steel and stainless steel.

## MATERIALS:



- ① RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.
- ② Optimised 2 flute ground sharpened edge geometry for 2 x faster and smoother cutting.
- ③ Special tip and step geometry for jam-free performance - less risk of drill snagging when used with high speed cordless tools and also prevents deformation of the drilled material.
- ④ Produced from custom engineered steel with black oxide coating for 4 x longer life.
- ⑤ Laser engraved size markings for best long term visibility.
- ⑥ Each step is relief ground to drill and deburr automatically.
- ⑦ With 3 flat secure grip to prevent step drill from slipping in the chuck and ensure maximum transmission of torque.



## Cobalt ALCrN step drills

NEW

New Aluminium Chromium Nitride (AlCrN) coating for 10x more life vs. MILWAUKEE® standard step drill. For steel and stainless steel.

RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.

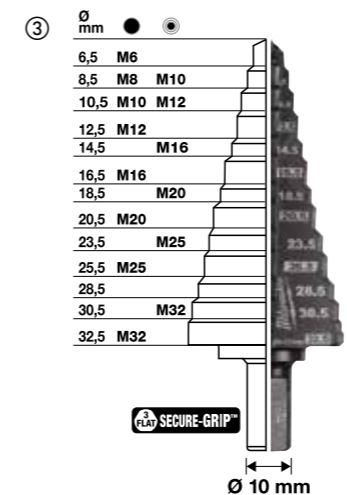
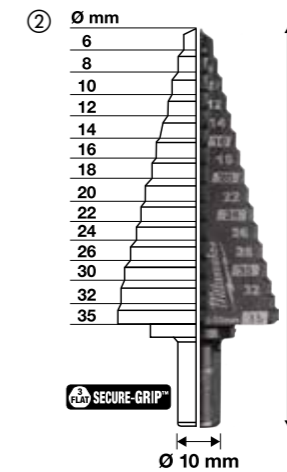
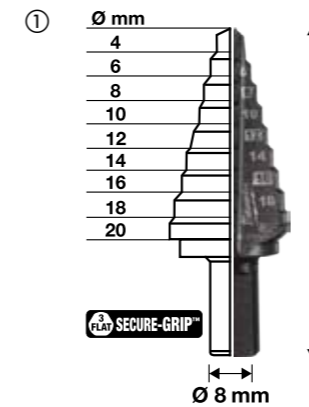
Special tip and step geometry for jam-free performance - less risk of drill snagging when used with cordless tools and also prevents deformation of the drilled material.

Optimised 2 flute ground sharpened edge geometry for 2 x faster and smoother cutting.

With 3 flat secure grip to prevent step drill from slipping in the chuck and ensure maximum transmission of torque.

Laser engraved size markings for best long term visibility.

| Description  | Shank diameter (mm) | Overall length (mm) | No. of steps | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|--|---------------------|---------------------|--------------|---------------|---------------------|----------------|--------------|
| ① 4 - 20 mm  | 8                   | 62                  | 10           | 1             | 1                   | 48899372       | 045242603862 |
| ② 6 - 35 mm  | 10                  | 86                  | 16           | 1             | 1                   | 48899395       | 045242567676 |
| ③ M6 - M32   | 10                  | 90                  | 14           | 1             | 1                   | 48899380       | 045242567652 |
| ④ Cobalt Step Drill Set (2pc)<br>Includes 2 cobalt step drill bits: 4 - 20 mm, 6 - 35 mm |                     |                     |              | 2             | 1                   | 48899398       | 045242529216 |



## TRADES:



Drilling of panels and cabinets for cable gland installation



Access holes for pipework and installation



Various sizes and hole enlargement



Holes for cable installation



Various applications, sizes and hole enlargement

# SHOCKWAVE™ IMPACT DUTY™

## SHOCKWAVE™ IMPACT DUTY step drills

SHOCKWAVE™ Impact Duty step drills are designed to deliver best-in-class performance in impact drivers and also the versatility to be used in drill drivers.

The 1/4" Hex shank with an optimised SHOCKZONE™ ensures maximum durability by preventing early shank breaks.

New Titanium Aluminium Nitride coating helps to reduce heat generation for 5x more life.

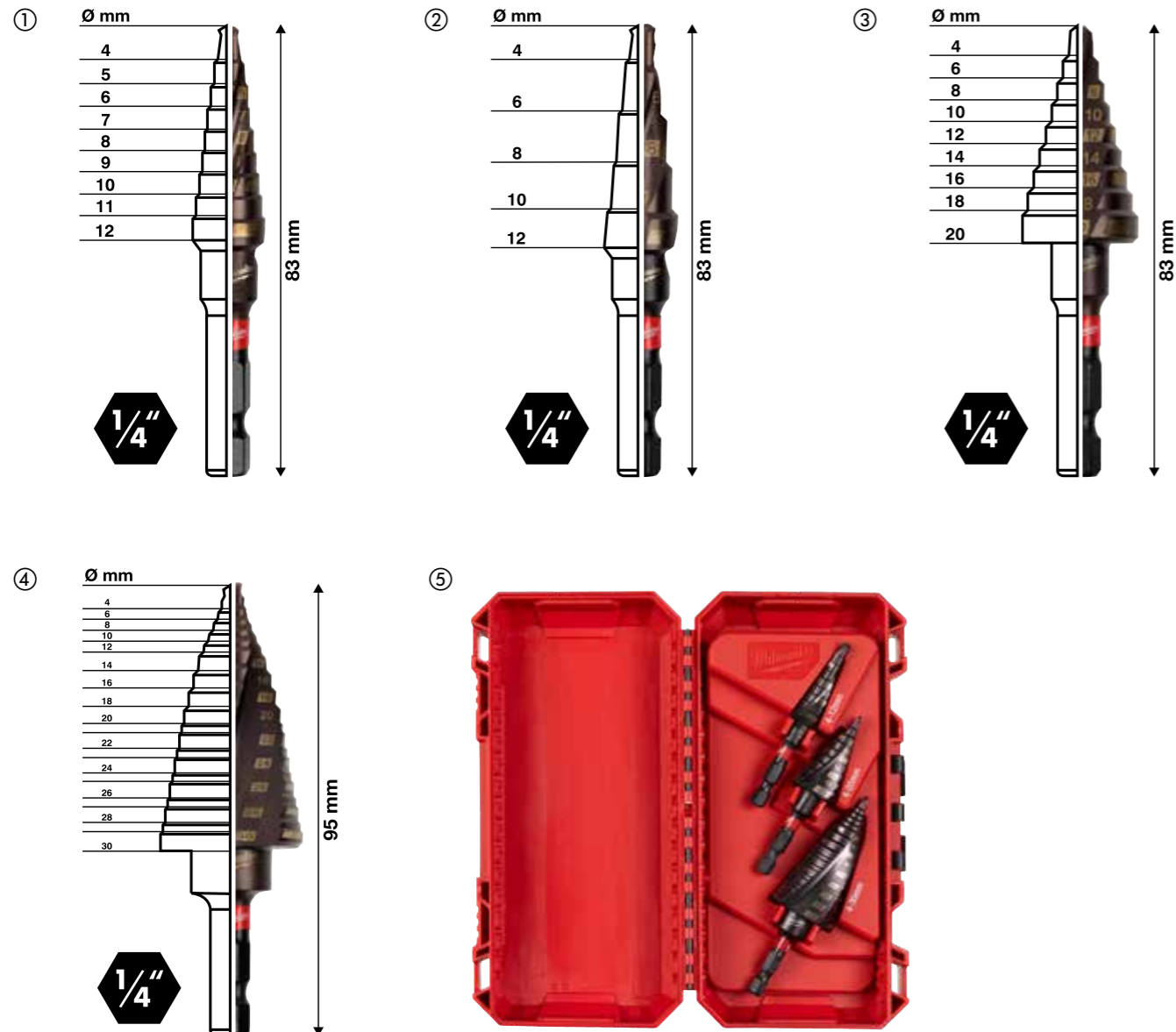
RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.

Dual spiral flute design: Optimised for impact driver speed and for smooth, jam-free drilling.

Laser engraved markings: Do not wear away with time.

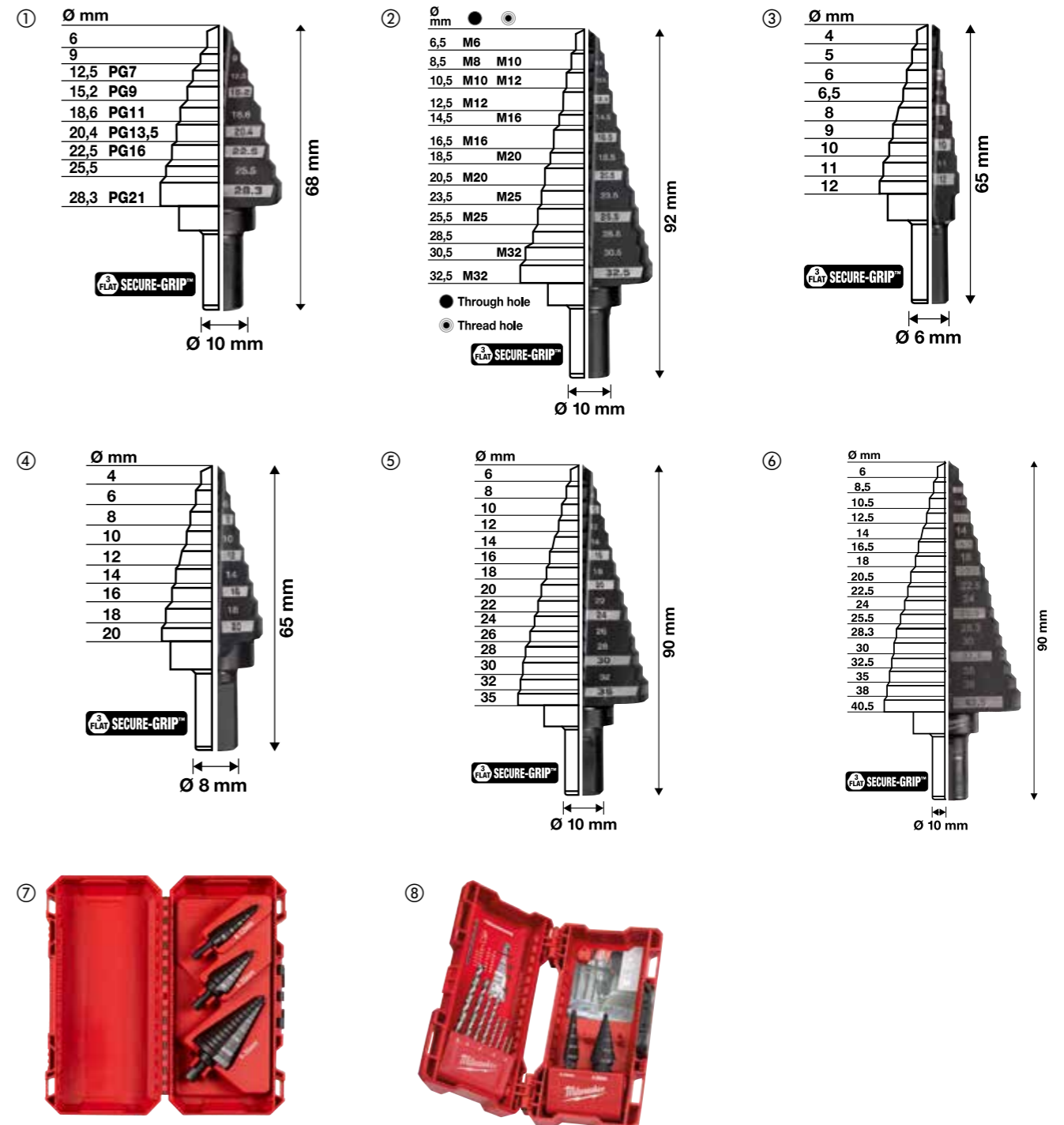


| Description  | Shank diameter (mm) | Overall length (mm) | No. of steps | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|--|---------------------|---------------------|--------------|---------------|---------------------|----------------|--------------|
| ① 4 - 12 mm / 1"   | 1/4" Hex            | 83                  | 9            | 1             | 1                   | 48899261       | 045242505166 |
| ② 4 - 12 mm / 2"   | 1/4" Hex            | 83                  | 5            | 1             | 1                   | 48899262       | 045242505173 |
| ③ 4 - 20 mm  | 1/4" Hex            | 83                  | 9            | 1             | 1                   | 48899263       | 045242505180 |
| ④ 4 - 30 mm  | 1/4" Hex            | 95                  | 12           | 1             | 1                   | 48899265       | 045242505203 |
| <b>SHOCKWAVE™ Impact Duty step drill set (3pc)</b>                         |                     |                     |              | 3             | 1                   | 48899266       | 045242505210 |
| ⑤ Includes 3 SHOCKWAVE™ step drill bits: 4 - 12 mm/1, 4 - 20 mm, 4 - 30 mm |                     |                     |              |               |                     |                |              |

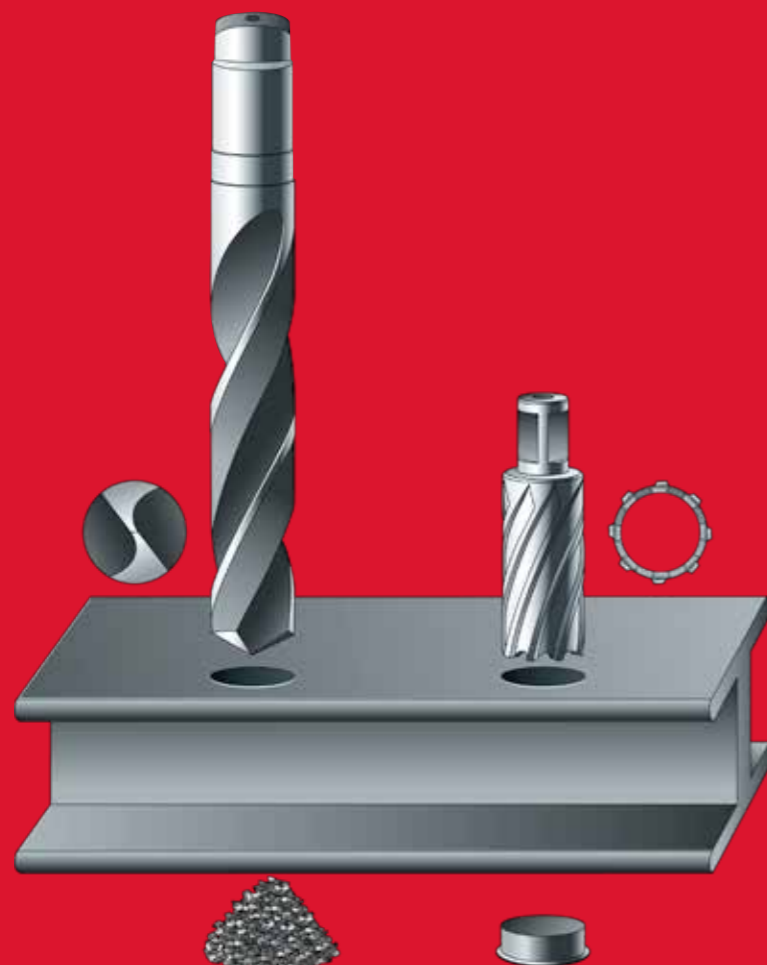


## Step drills

| Description   | Shank diameter (mm) | Overall length (mm) | No. of steps | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|---------------------|--------------|---------------|---------------------|----------------|---------------|
| ① PG7 - PG21  | 10                  | 68                  | 9            | 1             | 1                   | 48899321       | 045242364060  |
| ② M6 - M32  | 10                  | 92                  | 13           | 1             | 1                   | 48899332       | 045242344437  |
| ③ 4 - 12 mm / 1   | 6                   | 65                  | 9            | 1             | 1                   | 48899301       | 045242342532  |
| ④ 4 - 20 mm   | 8                   | 65                  | 9            | 1             | 1                   | 48899320       | 045242344406  |
| ⑤ 6 - 35 mm   | 10                  | 90                  | 14           | 1             | 1                   | 48899335       | 045242344413  |
| ⑥ 6 - 40.5 mm   | 10                  | 90                  | 17           | 1             | 1                   | 48899340       | 045242547777  |
| <b>Step drill set (3pc)</b>   |                     |                     |              | 3             | 1                   | 48899399       | 045242344420  |
| Includes 3 step drill bits: 4 - 12 mm/1, 4 - 20 mm, 6 - 35 mm   |                     |                     |              |               |                     |                |               |
| <b>Step &amp; drill bit combo set (10pc)</b>  |                     |                     |              | 10            | 1                   | 4932501119     | 4058546624217 |
| Includes 2 x step drill bits: 4 - 12 mm/1, 4 - 20 mm. THUNDERWEB metal drill bits: 2 x 2 mm, 2 x 3 mm, 2 x 4 mm, 1 x 5 mm, 1 x 6 mm |                     |                     |              |               |                     |                |               |



# Magnetic Drilling



## 100% Faster

Speed and time savings are achieved due to the following factors. Firstly the annular cutter principle of only cutting material from the periphery of the hole as opposed to the twist drill which must cut the complete diameter of the hole. Secondly the benefit of two aggressive sharp angles per cutting edge help to achieve faster feed rates and lower cutting resistance.

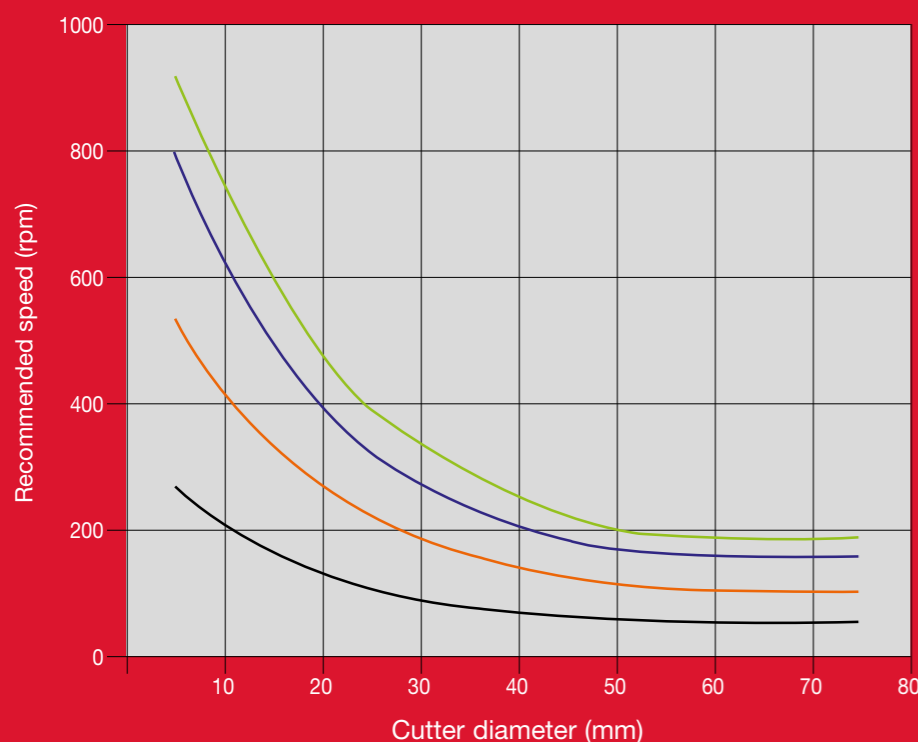
## 30% More productivity

Because the annular cutter is only cutting material from the periphery of the hole. Less motor energy and driving power is required. The larger the drill diameter the greater the energy saving.

## Longer lifetime

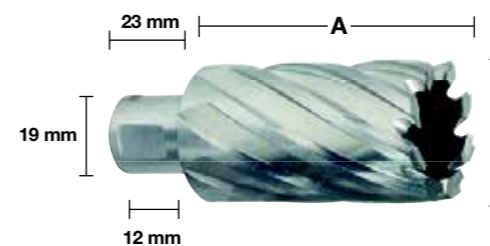
The annular cutters cutting edges do less work than the twist drill resulting in more holes between sharpening. Thick 6 mm body together with special tooth geometry ensures high stability and reduces to a minimum the risk of breakage due to overloading.

## Speed chart



## HSS annular cutters 30 mm

Thick walled HSS annular cutters for increased durability and life time. With standard 19 mm Weldon reception.



### 30 mm

| Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|---------------|---------------------|----------------|---------------|
| 12            | 30                  | 1             | 1                   | 4932371740     | 4002395344161 |
| 13            | 30                  | 1             | 1                   | 4932371741     | 4002395344178 |
| 14            | 30                  | 1             | 1                   | 4932343270     | 4002395315130 |
| 15            | 30                  | 1             | 1                   | 4932343271     | 4002395315147 |
| 16            | 30                  | 1             | 1                   | 4932343272     | 4002395315154 |
| 17            | 30                  | 1             | 1                   | 4932343273     | 4002395315161 |
| 18            | 30                  | 1             | 1                   | 4932343274     | 4002395315178 |
| 19            | 30                  | 1             | 1                   | 4932343275     | 4002395315185 |
| 20            | 30                  | 1             | 1                   | 4932343276     | 4002395315192 |
| 21            | 30                  | 1             | 1                   | 4932343277     | 4002395315208 |
| 22            | 30                  | 1             | 1                   | 4932343278     | 4002395315215 |
| 23            | 30                  | 1             | 1                   | 4932343279     | 4002395315222 |
| 24            | 30                  | 1             | 1                   | 4932343280     | 4002395315239 |
| 25            | 30                  | 1             | 1                   | 4932343281     | 4002395315246 |
| 26            | 30                  | 1             | 1                   | 4932343282     | 4002395315253 |
| 27            | 30                  | 1             | 1                   | 4932343283     | 4002395315260 |
| 28            | 30                  | 1             | 1                   | 4932343284     | 4002395315277 |
| 29            | 30                  | 1             | 1                   | 4932343285     | 4002395315284 |
| 30            | 30                  | 1             | 1                   | 4932343286     | 4002395315291 |
| 31            | 30                  | 1             | 1                   | 4932343287     | 4002395315307 |
| 32            | 30                  | 1             | 1                   | 4932343288     | 4002395315314 |
| 33            | 30                  | 1             | 1                   | 4932371742     | 4002395344185 |
| 34            | 30                  | 1             | 1                   | 4932371743     | 4002395344192 |
| 35            | 30                  | 1             | 1                   | 4932371744     | 4002395344208 |
| 36            | 30                  | 1             | 1                   | 4932371745     | 4002395344215 |
| 37            | 30                  | 1             | 1                   | 4932371746     | 4002395344222 |
| 38            | 30                  | 1             | 1                   | 4932371747     | 4002395344239 |
| 39            | 30                  | 1             | 1                   | 4932371748     | 4002395344246 |
| 40            | 30                  | 1             | 1                   | 4932371749     | 4002395344253 |
| 41            | 30                  | 1             | 1                   | 4932371750     | 4002395344260 |
| 42            | 30                  | 1             | 1                   | 4932371751     | 4002395344277 |
| 43            | 30                  | 1             | 1                   | 4932371752     | 4002395344284 |
| 44            | 30                  | 1             | 1                   | 4932371753     | 4002395344291 |
| 45            | 30                  | 1             | 1                   | 4932371754     | 4002395344307 |
| 46            | 30                  | 1             | 1                   | 4932371755     | 4002395344314 |
| 47            | 30                  | 1             | 1                   | 4932371756     | 4002395344321 |
| 48            | 30                  | 1             | 1                   | 4932371757     | 4002395344338 |
| 49            | 30                  | 1             | 1                   | 4932371758     | 4002395344345 |
| 50            | 30                  | 1             | 1                   | 4932371759     | 4002395344352 |

### 50 mm

| Diameter (mm) | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------------|---------------|---------------------|----------------|---------------|
| 14            | 50                  | 1             | 1                   | 4932343289     | 4002395315352 |
| 15            | 50                  | 1             | 1                   | 4932343290     | 4002395315369 |
| 16            | 50                  | 1             | 1                   | 4932343291     | 4002395315376 |
| 17            | 50                  | 1             | 1                   | 4932343292     | 4002395315383 |
| 18            | 50                  | 1             | 1                   | 4932343293     | 4002395315390 |
| 19            | 50                  | 1             | 1                   | 4932343294     | 4002395315406 |
| 20            | 50                  | 1             | 1                   | 4932343295     | 4002395315413 |
| 21            | 50                  | 1             | 1                   | 4932343296     | 4002395315420 |
| 22            | 50                  | 1             | 1                   | 4932343297     | 4002395315437 |
| 23            | 50                  | 1             | 1                   | 4932343298     | 4002395315444 |
| 24            | 50                  | 1             | 1                   | 4932343299     | 4002395315451 |
| 25            | 50                  | 1             | 1                   | 4932343300     | 4002395315468 |
| 26            | 50                  | 1             | 1                   | 4932343301     | 4002395315475 |
| 27            | 50                  | 1             | 1                   | 4932343302     | 4002395315482 |
| 28            | 50                  | 1             | 1                   | 4932343303     | 4002395315499 |
| 29            | 50                  | 1             | 1                   | 4932343304     | 4002395315505 |
| 30            | 50                  | 1             | 1                   | 4932343305     | 4002395315512 |
| 31            | 50                  | 1             | 1                   | 4932343306     | 4002395315529 |
| 32            | 50                  | 1             | 1                   | 4932343307     | 4002395315536 |
| 33            | 50                  | 1             | 1                   | 4932371760     | 4002395344369 |
| 34            | 50                  | 1             | 1                   | 4932371761     | 4002395344376 |
| 35            | 50                  | 1             | 1                   | 4932371762     | 4002395344383 |
| 36            | 50                  | 1             | 1                   | 4932371763     | 4002395344390 |
| 37            | 50                  | 1             | 1                   | 4932371764     | 4002395344406 |
| 38            | 50                  | 1             | 1                   | 4932371765     | 4002395344413 |
| 39            | 50                  | 1             | 1                   | 4932371766     | 4002395344420 |
| 40            | 50                  | 1             | 1                   | 4932371767     | 4002395344437 |
| 41            | 50                  | 1             | 1                   | 4932371768     | 4002395344444 |
| 42            | 50                  | 1             | 1                   | 4932371769     | 4002395344451 |
| 43            | 50                  | 1             | 1                   | 4932371770     | 4002395344468 |
| 44            | 50                  | 1             | 1                   | 4932371771     | 4002395344475 |
| 45            | 50                  | 1             | 1                   | 4932371772     | 4002395344482 |
| 46            | 50                  | 1             | 1                   | 4932371773     | 4002395344499 |
| 47            | 50                  | 1             | 1                   | 4932371774     | 4002395344505 |
| 48            | 50                  | 1             | 1                   | 4932371775     | 4002395344512 |
| 49            | 50                  | 1             | 1                   | 4932371776     | 4002395344529 |
| 50            | 50                  | 1             | 1                   | 4932371777     | 4002395344536 |

| Description  | Supplied in | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------|---------------|---------------------|----------------|---------------|
| Ejector pin for 30 mm cutters for all diameters    |             | 1             | 1                   | 4932343308     | 4002395315321 |
| Ejector pin for 50 mm cutters for all diameters    |             | 1             | 1                   | 4932343309     | 4002395315543 |
| Telescopic ejector pin for 30 mm cutters from 15mm |             | 2             | 1                   | 49590011       | 045242364039  |
| Telescopic ejector pin for 50 mm cutters from 15mm |             | 2             | 1                   | 49590012       | 045242364046  |

#### HSS annular cutter set (6pc)

|  |              |   |   |            |               |
|--|--------------|---|---|------------|---------------|
| ① 6 x HSS annular cutters: Ø 14 / 16 / 18 / 20 / 22 / 24 mm - 19 mm Weldon reception. 1 x ejector pin short series - 30 mm | Plastic case | 6 | 1 | 4932372533 | 4002395345236 |
|--|--------------|---|---|------------|---------------|



# MILWAUKEE® HOLESAW RANGE

If you're cutting or boring holes, look no further than our range of holesaws and the HOLEDZER™ product line.



## HOLE DOZER™

The MILWAUKEE® HOLE DOZER™ is the jobsite workhorse that provides unstoppable durability through the most demanding applications.

Multiple leverage points to remove material out of the holesaw for faster plug removal.

- Deepest access for thick plugs
- Higher access for thin material
- Minimises downtime between cuts
- New coating allows less friction and increases drilling speed

## PLUG JACK™



A 3.5 teeth per inch tooth design with a positive 10° tooth angle provides the following benefits:

- Faster and more aggressive cut.
- Improved heat dispersion during cutting ensures that the teeth stay sharper for longer.
- Deeper curved gullets provide more efficient chip clearance preventing clogging and heat build up.
- Special shaped tooth angle has less tendency to snag on thinner materials.

This high quality holesaw range is the perfect solution for cutting all types of materials: - Steel up to 1000 N/mm<sup>2</sup> strength - Stainless steel and acid resistant steel - Non-ferrous metals - Cast iron - Aluminium - Wood - Medium density fibreboard (MDF) - Gypsum plasterboard - Sandwich materials - PVC.

## HOLE DOZER™ bi-metal holesaws

| Diameter (mm) | Ø (Inch) | Max. cutting depth (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|----------|-------------------------|---------------|---------------------|----------------|---------------|
| 14            | 9/16     | 41                      | 1             | 1                   | 49560002       | 045242271061  |
| 16            | 5/8      | 41                      | 1             | 1                   | 49560012       | 045242192922  |
| 17            | 11/16    | 41                      | 1             | 1                   | 49560014       | 045242193639  |
| 19            | 3/4      | 41                      | 1             | 1                   | 49560023       | 045242192632  |
| 20            | 25/32    | 41                      | 1             | 1                   | 49560024       | 045242271016  |
| 21            | 13/16    | 41                      | 1             | 1                   | 49560027       | 045242192649  |
| 22            | 7/8      | 41                      | 1             | 1                   | 49560032       | 045242192878  |
| 24            | 19/16    | 41                      | 1             | 1                   | 49560037       | 045242192885  |
| 25            | 1        | 41                      | 1             | 1                   | 49560043       | 045242192526  |
| 27            | 1 1/16   | 41                      | 1             | 1                   | 49560047       | 045242192892  |
| 29            | 1 1/8    | 41                      | 1             | 1                   | 49560052       | 045242192939  |
| 30            | 1 3/16   | 41                      | 1             | 1                   | 49560057       | 045242192946  |
| 32            | 1 1/4    | 41                      | 1             | 1                   | 49560062       | 045242192977  |
| 33            | 1 5/16   | 41                      | 1             | 1                   | 49560067       | 045242192984  |
| 35            | 1 3/8    | 41                      | 1             | 1                   | 49560072       | 045242192991  |
| 37            | 1 7/16   | 41                      | 1             | 1                   | 49560077       | 045242193028  |
| 38            | 1 1/2    | 41                      | 1             | 1                   | 49560082       | 045242193035  |
| 40            | 1 9/16   | 41                      | 1             | 1                   | 49560087       | 045242193042  |
| 41            | 1 5/8    | 41                      | 1             | 1                   | 49560092       | 045242193073  |
| 43            | 1 11/16  | 41                      | 1             | 1                   | 49560097       | 045242193080  |
| 44            | 1 3/4    | 41                      | 1             | 1                   | 49560102       | 045242193097  |
| 46            | 1 13/16  | 41                      | 1             | 1                   | 49560107       | 045242193127  |
| 48            | 1 7/8    | 41                      | 1             | 1                   | 49560112       | 045242193134  |
| 50            | 1 24/32  | 41                      | 1             | 1                   | 49560113       | 045242271023  |
| 51            | 2        | 41                      | 1             | 1                   | 49560117       | 045242193141  |
| 52            | 2 1/16   | 41                      | 1             | 1                   | 49560122       | 045242193172  |
| 54            | 2 1/8    | 41                      | 1             | 1                   | 49560127       | 045242193189  |
| 56            | 4/6      | 41                      | 1             | 1                   | 49560129       | 045242504664  |
| 57            | 2 1/4    | 41                      | 1             | 1                   | 49560132       | 045242193196  |
| 59            | 2 9/16   | 41                      | 1             | 1                   | 49560137       | 045242193226  |
| 60            | 2 3/8    | 41                      | 1             | 1                   | 49560142       | 045242193233  |
| 64            | 2 1/2    | 41                      | 1             | 1                   | 49560147       | 045242193240  |
| 65            | 2 9/16   | 41                      | 1             | 1                   | 49560153       | 045242193271  |
| 67            | 2 5/8    | 41                      | 1             | 1                   | 49560158       | 045242193288  |
| 68            | 2 11/16  | 41                      | 1             | 1                   | 49560159       | 045242271030  |
| 70            | 2 3/4    | 41                      | 1             | 1                   | 49560163       | 045242193295  |
| 73            | 2 7/8    | 41                      | 1             | 1                   | 49560167       | 045242193325  |
| 76            | 3        | 41                      | 1             | 1                   | 49560173       | 045242193332  |
| 79            | 3 1/8    | 41                      | 1             | 1                   | 49560177       | 045242193349  |
| 83            | 3 1/4    | 41                      | 1             | 1                   | 49560183       | 045242193370  |
| 86            | 3 3/8    | 41                      | 1             | 1                   | 49560187       | 045242193387  |
| 89            | 3 1/2    | 41                      | 1             | 1                   | 49560193       | 045242193394  |
| 92            | 3 5/8    | 41                      | 1             | 1                   | 49560197       | 045242193431  |
| 95            | 3 3/4    | 41                      | 1             | 1                   | 49560203       | 045242193448  |
| 98            | 3 7/8    | 41                      | 1             | 1                   | 49560207       | 045242193479  |
| 102           | 4        | 41                      | 1             | 1                   | 49560213       | 045242193486  |
| 105           | 4 1/8    | 41                      | 1             | 1                   | 49560217       | 045242193493  |
| 108           | 4 1/4    | 41                      | 1             | 1                   | 49560223       | 045242193523  |
| 111           | 4 3/8    | 41                      | 1             | 1                   | 49560227       | 045242193530  |
| 114           | 4 1/2    | 41                      | 1             | 1                   | 49560233       | 045242193547  |
| 117           | 4 5/8    | 41                      | 1             | 1                   | 49560239       | 045242587285  |
| 121           | 4 3/4    | 41                      | 1             | 1                   | 49560237       | 045242193578  |
| 127           | 5        | 41                      | 1             | 1                   | 49560243       | 045242193585  |
| 133           | 5 1/4    | 41                      | 1             | 1                   | 49560244       | 045242271078  |
| 140           | 5 1/2    | 41                      | 1             | 1                   | 49560247       | 045242193592  |
| 152           | 6        | 41                      | 1             | 1                   | 49560253       | 045242193622  |
| 160           | 6 5/16   | 38                      | 1             | 1                   | 4932399885     | 4002395365395 |
| 168           | 6 5/8    | 38                      | 1             | 1                   | 4932399886     | 4002395365401 |
| 177           | 6 31/32  | 38                      | 1             | 1                   | 4932399887     | 4002395365418 |
| 200           | 7 7/8    | 38                      | 1             | 1                   | 4932399888     | 4002395365425 |
| 210           | 8 9/32   | 38                      | 1             | 1                   | 4932399889     | 4002395365432 |



## HOLE DOZER™ bi-metal holesaws - sets

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| <b>Hole Dozer™ holesaw set (7pc)</b>  |               |                     |                |               |
| ① 5 x holesaws: Ø 19, 22, 25, 29, 32 mm. Arbor for Ø 14 - 30 mm holesaws. Spacer and adaptor. 1/8" allen key  | 7             | 1                   | 49224083       | 045242310760  |
| <b>Hole Dozer™ holesaw set (10pc)</b>   |               |                     |                |               |
| ② 6 x holesaws: Ø 25, 32, 40, 54, 68, 76 mm. Arbor for Ø 14 - 30 mm holesaws. Arbor for Ø 32 - 152 mm holesaws. 2 x pilot drill bits. 1/8" allen key  | 10            | 1                   | 49224201       | 045242348091  |
| <b>Hole Dozer™ holesaw set (14pc)</b>   |               |                     |                |               |
| ③ 10 x holesaws: Ø 19, 22, 25, 29, 32, 35, 38, 44, 51, 57 mm. Arbor for Ø 14 - 30 mm holesaws. Arbor for Ø 32 - 152 mm holesaws. 2 x pilot drill bits. 1/8" allen key                               | 14            | 1                   | 49224152       | 045242271047  |
| <b>Hole Dozer™ holesaw set (17pc)</b>   |               |                     |                |               |
| ④ 13 x holesaws: Ø 20, 22, 25, 32, 40, 44, 51, 57, 64, 65, 67, 68, 76 mm. Arbor for Ø 14 - 30 mm holesaws. Arbor for Ø 32 - 152 mm holesaws. 2 x pilot drill bits. 1/8" allen key                   | 17            | 1                   | 49224102       | 045242271054  |
| <b>Kit box for holesaws</b>   |               |                     |                |               |
| ⑤ Arbor with pilot drill bit (4932479465). Arbor with pilot drill bit (4932479467). 2 x Pilot drill bits. 1/8" allen key (49960060)   | 4             | 1                   | 4932430327     | 4002395379880 |
| <b>Hole Dozer™ PACKOUT™ holesaw set (12pc)</b>  |               |                     |                |               |
| ⑥ 10 x holesaws: Ø 20, 25, 32, 35, 40, 44, 51, 54, 68, 76 mm. Arbor for Ø 14 - 30 mm holesaws. Arbor for Ø 32 - 152 mm holesaws. 1/8" allen key   | 12            | 1                   | 4932472248     | 4058546338947 |
| <b>Hole Dozer™ Quik Lok™ holesaw set (9pc)</b>  |               |                     |                |               |
| ⑦ 6 x holesaws: Ø 25, 32, 40, 54, 68, 76 mm. Quik Lok™ arbor inc. pilot drill. 1 x small adaptors, 2 x large adaptors, 3 x XL two pin adaptors. 1 x pilot drill bits, 1/8" hex key.                 | 9             | 1                   | 49224771       | 045242405244  |
| <b>Hole Dozer™ Quik Lok™ holesaw set (13pc)</b>   |               |                     |                |               |
| ⑧ 10 x holesaws: Ø 19, 22, 25, 29, 32, 35, 38, 44, 51, 57 mm. Quik Lok™ arbor inc. pilot drill. 4 x small adaptors, 5 x large adaptors, 1 x XL two pin adaptors. 1 x pilot drill bit, 1/8" hex key. | 13            | 1                   | 49224772       | 045242405251  |



## HOLE DOZER™ carbide holesaws

Up to 10x more life, high heat and wear resistance compared to Bi-Metal holesaws. 3 Tpi aggressive tooth geometry with large gullets for improved material removal. Offset teeth for less resistance. PLUG JACK™ slot geometry provides deep access to remove thick plugs and high leverage for thin materials. Application areas: metalworking (stainless steel, high alloy steels, aluminium) and composites (plastics, sandwich material, computer flooring, fibreglass, plastic coated wood boards, nail embedded wood).



| Diameter (mm)                        | Ø (inch) | Max. cutting depth (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|--------------------------------------|----------|-------------------------|---------------|---------------------|----------------|--------------|
| 19                                   | 3/4      | 41                      | 1             | 1                   | 49560702       | 045242503971 |
| 22                                   | 7/8      | 41                      | 1             | 1                   | 49560704       | 045242503995 |
| 25                                   | 1        | 41                      | 1             | 1                   | 49560707       | 045242504008 |
| 27                                   | 1 1/16   | 41                      | 1             | 1                   | 49560807       | 045242594764 |
| 29                                   | 1 1/8    | 41                      | 1             | 1                   | 49560708       | 045242504015 |
| 32                                   | 1 1/4    | 41                      | 1             | 1                   | 49560710       | 045242504022 |
| 33                                   | 1 3/16   | 41                      | 1             | 1                   | 49560711       | 045242630790 |
| 35                                   | 1 3/8    | 41                      | 1             | 1                   | 49560712       | 045242504039 |
| 38                                   | 1 1/2    | 41                      | 1             | 1                   | 49560713       | 045242504053 |
| 41                                   | 1 5/8    | 41                      | 1             | 1                   | 49560714       | 045242594771 |
| 44                                   | 1 3/4    | 41                      | 1             | 1                   | 49560717       | 045242504107 |
| 48                                   | 1 7/8    | 41                      | 1             | 1                   | 49560719       | 045242504114 |
| 51                                   | 2        | 41                      | 1             | 1                   | 49560720       | 045242504145 |
| 54                                   | 2 1/8    | 41                      | 1             | 1                   | 49560722       | 045242504152 |
| 57                                   | 2 1/4    | 41                      | 1             | 1                   | 49560724       | 045242504169 |
| 60                                   | 2 3/8    | 41                      | 1             | 1                   | 49560726       | 045242504176 |
| 64                                   | 2 1/2    | 41                      | 1             | 1                   | 49560727       | 045242504183 |
| 65                                   | 2 9/16   | 41                      | 1             | 1                   | 49560728       | 045242594788 |
| 67                                   | 2 5/8    | 41                      | 1             | 1                   | 49560729       | 045242504190 |
| 68                                   | 2 11/16  | 41                      | 1             | 1                   | 49560730       | 045242594795 |
| 70                                   | 2 3/4    | 41                      | 1             | 1                   | 49560731       | 045242504206 |
| 76                                   | 3        | 41                      | 1             | 1                   | 49560734       | 045242504220 |
| 79                                   | 3 1/8    | 41                      | 1             | 1                   | 49560735       | 045242603831 |
| 83                                   | 3 1/4    | 41                      | 1             | 1                   | 49560736       | 045242504237 |
| 86                                   | 3 3/8    | 41                      | 1             | 1                   | 49560737       | 045242594801 |
| 89                                   | 3 1/2    | 41                      | 1             | 1                   | 49560738       | 045242504244 |
| 92                                   | 3 5/8    | 41                      | 1             | 1                   | 49560739       | 045242504251 |
| 102                                  | 4        | 41                      | 1             | 1                   | 49560742       | 045242504275 |
| 108                                  | 4 1/4    | 41                      | 1             | 1                   | 49560744       | 045242504282 |
| 114                                  | 4 1/2    | 41                      | 1             | 1                   | 49560746       | 045242504299 |
| 121                                  | 4 3/4    | 41                      | 1             | 1                   | 49560847       | 045242594849 |
| 127                                  | 5        | 41                      | 1             | 1                   | 49560748       | 045242504305 |
| 140                                  | 5 1/2    | 41                      | 1             | 1                   | 49560848       | 045242594856 |
| 152                                  | 6        | 41                      | 1             | 1                   | 49560749       | 045242504312 |
| <b>Carbide Hole Dozer™ set (9pc)</b> |          |                         | 9             | 1                   | 49223079       | 045242533039 |

5 x carbide holesaws: Ø 22, 29, 35, 51, 64 mm. Arbor for Ø 14 - 30 mm (4932479465). Arbor for Ø 32 - 152 mm (4932479467). 2 x HSS-Cobalt pilot drill bits. 1/8" allen key



## Bi-Metal contractor holesaws

Optimised variable 4-6 tooth geometry for faster cutting and universal use.  
Bi-Metal teeth for best durability and increased wear resistance.  
For universal use: steel, non ferrous metals, wood, drywall plasterboard, plastics.

| Diameter (mm) | Ø (inch) | Max. cutting depth (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|----------|-------------------------|---------------|---------------------|----------------|---------------|
| 14            | 9/16     | 38                      | 1             | 1                   | 4932464671     | 4058546226169 |
| 16            | 5/8      | 38                      | 1             | 1                   | 4932464672     | 4058546226176 |
| 19            | 3/4      | 38                      | 1             | 1                   | 4932464673     | 4058546226183 |
| 20            | 29/32    | 38                      | 1             | 1                   | 4932464674     | 4058546226190 |
| 21            | 13/16    | 38                      | 1             | 1                   | 4932464675     | 4058546226206 |
| 22            | 7/8      | 38                      | 1             | 1                   | 4932464676     | 4058546226213 |
| 24            | 15/16    | 38                      | 1             | 1                   | 4932464677     | 4058546226220 |
| 25            | 1        | 38                      | 1             | 1                   | 4932464678     | 4058546226237 |
| 27            | 1 1/16   | 38                      | 1             | 1                   | 4932464679     | 4058546226244 |
| 29            | 1 1/8    | 38                      | 1             | 1                   | 4932464680     | 4058546226251 |
| 30            | 1 1/8    | 38                      | 1             | 1                   | 4932464681     | 4058546226268 |
| 32            | 1 1/4    | 38                      | 1             | 1                   | 4932464682     | 4058546226275 |
| 35            | 1 3/8    | 38                      | 1             | 1                   | 4932464683     | 4058546226282 |
| 38            | 1 1/2    | 38                      | 1             | 1                   | 4932464684     | 4058546226299 |
| 40            | 1 9/16   | 38                      | 1             | 1                   | 4932464685     | 4058546226305 |
| 43            | 1 11/16  | 38                      | 1             | 1                   | 4932464686     | 4058546226312 |
| 44            | 1 3/4    | 38                      | 1             | 1                   | 4932464687     | 4058546226329 |
| 48            | 1 7/8    | 38                      | 1             | 1                   | 4932464688     | 4058546226336 |
| 51            | 2        | 38                      | 1             | 1                   | 4932464689     | 4058546226343 |
| 54            | 2 1/8    | 38                      | 1             | 1                   | 4932464690     | 4058546226350 |
| 56            | 4/6      | 38                      | 1             | 1                   | 4932464691     | 4058546226367 |
| 57            | 2 1/4    | 38                      | 1             | 1                   | 4932464692     | 4058546226374 |
| 60            | 2 3/8    | 38                      | 1             | 1                   | 4932464693     | 4058546226381 |
| 64            | 2 1/2    | 38                      | 1             | 1                   | 4932464694     | 4058546226398 |
| 65            | 2 9/16   | 38                      | 1             | 1                   | 4932464695     | 4058546226404 |
| 67            | 2 5/8    | 38                      | 1             | 1                   | 4932464696     | 4058546226411 |
| 68            | 2 11/16  | 38                      | 1             | 1                   | 4932464697     | 4058546226428 |
| 70            | 2 3/4    | 38                      | 1             | 1                   | 4932464698     | 4058546226435 |
| 73            | 2 7/8    | 38                      | 1             | 1                   | 4932464699     | 4058546226442 |
| 76            | 3        | 38                      | 1             | 1                   | 4932464700     | 4058546226459 |
| 79            | 3 1/8    | 38                      | 1             | 1                   | 4932464701     | 4058546226466 |
| 83            | 3 1/4    | 38                      | 1             | 1                   | 4932464702     | 4058546226473 |
| 89            | 3 1/2    | 38                      | 1             | 1                   | 4932464703     | 4058546226480 |
| 92            | 3 5/8    | 38                      | 1             | 1                   | 4932464704     | 4058546226497 |
| 98            | 3 7/8    | 38                      | 1             | 1                   | 4932464705     | 4058546226503 |
| 102           | 4        | 38                      | 1             | 1                   | 4932464706     | 4058546226510 |
| 105           | 4 1/8    | 38                      | 1             | 1                   | 4932464707     | 4058546226527 |
| 114           | 4 1/2    | 38                      | 1             | 1                   | 4932464708     | 4058546226534 |
| 121           | 4 3/4    | 38                      | 1             | 1                   | 4932464709     | 4058546226541 |
| 127           | 5        | 38                      | 1             | 1                   | 4932464710     | 4058546226558 |
| 152           | 6        | 38                      | 1             | 1                   | 4932464711     | 4058546226565 |



## System accessories - Holesaws

| Description   | Fits holesaw Ø | Shank reception | Holesaw or core reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|----------------|-----------------|---------------------------|---------------|---------------------|----------------|---------------|
| ① Arbor   | 14-30 mm       | 9.5 mm Hex      | 1/2" x 20                 | 1             | 1                   | 4932479465     | 4058546372590 |
| ② Arbor   | Ø 32-210 mm    | 9.5 mm Hex      | 5/8" x 18                 | 1             | 1                   | 4932479466     | 4058546372606 |
| ③ Arbor   | Ø 32-210 mm    | 11 mm Hex       | 5/8" x 18                 | 1             | 1                   | 4932479467     | 4058546372613 |
| ④ SDS-Plus arbor  | Ø 14-30 mm     | SDS-Plus        | 1/2" x 20                 | 1             | 1                   | 4932471694     | 4058546295936 |
| ⑤ SDS-Plus arbor  | Ø 32-210 mm    | SDS-Plus        | 5/8" x 18                 | 1             | 1                   | 4932471695     | 4058546295943 |
| ⑥ Extension - 300 mm long   | -              | 9.5 mm Hex      | -                         | 1             | 1                   | 4932479470     | 4058546372644 |
| ⑥ Extension - 305 mm long   | -              | 7/16" Hex       | -                         | 1             | 1                   | 4932479494     | 4058546372880 |
| ⑦ Pilot drill bit HSS-Ground Ø 6.35 mm x 89 mm length. Fits to all arbors   | -              | -               | -                         | 1             | 1                   | 4932479468     | 4058546372620 |
| ⑦ Pilot drill long HSS-Ground Ø 6.35 mm x 100 mm length. Fits to all arbors | -              | -               | -                         | 1             | 1                   | 4932479469     | 4058546372637 |
| ⑧ Pilot drill bit HSS-Cobalt Ø 6 mm x 89 mm length. Fits to all arbors      | -              | -               | -                         | 1             | 1                   | 4932499257     | 4058546564216 |
| ⑨ Hex key 1/8" for all arbors   | -              | -               | -                         | 1             | 1                   | 43960270       | 045242825134  |
| ⑩ Grub screw for arbors and extensions                                      | -              | -               | -                         | 1             | 1                   | 06832712       | 4002395874354 |



## Bi-Metal contractor holesaw - sets

Optimised variable 4/6 tooth geometry for faster cutting and universal use.  
Bi-Metal teeth for best durability and increased wear resistance.  
For universal use: steel, non-ferrous metals, wood, drywall plasterboard, plastics.

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| <b>Bi-metal contractor holesaw set (10pc)</b>  |               |                     |                |               |
| ① 6 x Holesaws: Ø 25, 32, 40, 54, 68, 76 mm. 1x arbor for Ø 14 - 30 mm. 1 x arbor for Ø 32 - 152 mm. 2 x pilot drill bits. Allen key                   | 10            | 1                   | 4932464719     | 4058546226640 |
| <b>Bi-Metal contractor holesaw set (14pc)</b>  |               |                     |                |               |
| ② 10 x Holesaws: Ø 19, 22, 25, 29, 32, 35, 38, 44, 51, 57 mm. 1 x arbor for Ø 14 - 30 mm. 1 x arbor for Ø 32 - 152 mm. 2 x pilot drill bits. Allen key | 14            | 1                   | 4932464720     | 4058546226657 |



# QUIK-LOK™

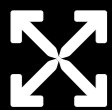
UNIVERSAL FIT. UNLIMITED POSSIBILITIES.

Say goodbye to the clutter of multiple arbors. The MILWAUKEE® QUIK-LOK™ Arbor fits every Holesaw from 14 – 210 mm, across most brands. With just one arbor and three universal adaptors, you can drill with confidence – no matter the job or application.

Available in both 9.5 mm and 7/16" hex, it's built for true versatility. Need to enlarge a hole? QUIK-LOK™ makes that easy too with the new hole enlargement adaptor (from 32mm – 210 mm). Simplify your kit. Maximise your capability.



Quick and easy change of holesaw



Universal Arbors fit most brands of holesaw



Fits every holesaw from 14 – 210mm



Quik-Lok Hole Enlargement Adaptor ref 4932500553

## System Accessories - Holesaws QUIK-LOK

| Description   | Fits holesaw | Shank reception | Holesaw or core reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|--------------|-----------------|---------------------------|---------------|---------------------|----------------|---------------|
| QUIK-LOK™ arbor 3/16" 9.5mm Hex. Supplied with pilot drill and 2 x S adaptors   | Ø 14-30 mm   | 9.5 mm Hex      | 1/2" x 20                 | 1             | 1                   | 4932500548     | 4058546618506 |
| QUIK-LOK™ arbor 7/16" 11mm Hex. Supplied with pilot drill, 1 x S adaptor and 1 x XL adaptor   | Ø 32-210 mm  | 11 mm Hex       | 5/8" x 18                 | 1             | 1                   | 4932500549     | 4058546618513 |
| QUIK-LOK™ adaptor S for holesaws Ø14-30mm   | Ø 14-30 mm   | 1/2" x 20       | 1/2" x 20                 | 5             | 1                   | 4932500550     | 4058546618520 |
| QUIK-LOK™ adaptor L for holesaws Ø32-51mm   | Ø 32-51 mm   | 5/8" x 18       | 5/8" x 18                 | 5             | 1                   | 4932500551     | 4058546618537 |
| QUIK-LOK™ pin adaptor XL for holesaws Ø32-210mm   | Ø 32-210 mm  | 5/8" x 18       | 5/8" x 18                 | 2             | 1                   | 4932500552     | 4058546618544 |
| QUIK-LOK™ hole enlargement adaptor  | Ø 32-210 mm  | 5/8" x 18       | 5/8" x 18                 | 1             | 1                   | 4932500553     | 4058546618551 |
| <b>Hole Dozer™ Quik Lok™ holesaw set (9pc)</b>  |              |                 |                           |               |                     |                |               |
| 6 x holesaws: Ø 25, 32, 40, 54, 68, 76 mm. Quik Lok™ arbor inc. pilot drill. 1 x small adaptors, 2 x large adaptors, 3 x XL two pin adaptors. 1 x pilot drill bits, 1/8" hex key.                 |              |                 |                           | 9             | 1                   | 49224771       | 045242405244  |
| <b>Hole Dozer™ Quik Lok™ holesaw set (13pc)</b>   |              |                 |                           |               |                     |                |               |
| 10 x holesaws: Ø 19, 22, 25, 29, 32, 35, 38, 44, 51, 57 mm. Quik Lok™ arbor inc. pilot drill. 4 x small adaptors, 5 x large adaptors, 1 x XL two pin adaptors. 1 x pilot drill bit, 1/8" hex key. |              |                 |                           | 13            | 1                   | 49224772       | 045242405251  |




## Adjustable hole cutter

For cutting large diameter holes for air conditioning pipes, fans, downlights and ceiling speakers. Dust collection shroud for 100% dust free work when overhead drilling. Diameter is adjustable from 51 mm to 178 mm in 6.4 mm steps. Laser marked preset diameters at 51 - 178 mm. Suitable for use on drywall (max. 25 mm) and ceiling tile. Not suitable for OSB wood boards.



| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| <b>Adjustable hole cutter</b>                                |               |                     |                |               |
| ① Pilot drill, 2 blades, QL arbor and dust collection shroud | 5             | 1                   | 49560260       | 045242350261  |
| ② QL arbor with 1/2" Hex reception. 75 mm long               | 1             | 1                   | 4932479553     | 4058546373474 |
| <b>Replacement blade and pilot drill set (4pc)</b>           |               |                     |                |               |
| ③ 1 x pilot drill bit, 2 x blades and 1 x allen key          | 4             | 1                   | 49560290       | 045242346370  |

## HOLE DOZER™ holesaws: Recommended cutting speed in RPM

| Diameter (mm)   | Ø (inch) | Metal       | Cast Iron | Stainless steel | Non ferrous metal | Aluminium  | Wood | MDF |
|---|----------|-------------|-----------|-----------------|-------------------|------------|------|-----|
| 14  | 9/16     | 580         | 400       | 300             | 790               | 900        | 1500 | 750 |
| 16  | 5/8      | 550         | 365       | 275             | 730               | 825        | 1500 | 750 |
| 17  | 11/16    | 500         | 330       | 250             | 665               | 750        | 1500 | 750 |
| 19  | 3/4      | 460         | 300       | 230             | 600               | 690        | 1500 | 750 |
| 20  | 29/32    | 425         | 280       | 210             | 560               | 635        | 1500 | 750 |
| 21  | 13/16    | 425         | 280       | 210             | 560               | 635        | 1500 | 750 |
| 22  | 7/8      | 390         | 260       | 195             | 520               | 585        | 1500 | 750 |
| 23  | 29/32    | 370         | 250       | 185             | 500               | 550        | 1500 | 750 |
| 25  | 1        | 350         | 235       | 175             | 470               | 525        | 1500 | 750 |
| 27  | 1 1/16   | 325         | 215       | 160             | 435               | 480        | 1400 | 700 |
| 29  | 1 1/8    | 300         | 200       | 150             | 400               | 450        | 1400 | 700 |
| 30  | 1 3/16   | 285         | 190       | 145             | 380               | 425        | 1400 | 700 |
| 32  | 1 1/4    | 275         | 180       | 140             | 380               | 410        | 1400 | 700 |
| 33  | 1 5/16   | 260         | 175       | 135             | 345               | 390        | 1400 | 700 |
| 35  | 1 3/8    | 250         | 165       | 125             | 330               | 375        | 1400 | 700 |
| 37  | 1 7/16   | 240         | 160       | 120             | 315               | 360        | 1400 | 700 |
| 38  | 1 1/2    | 230         | 150       | 115             | 300               | 345        | 1400 | 700 |
| 40  | 1 9/16   | 220         | 145       | 110             | 290               | 330        | 1200 | 600 |
| 41  | 1 5/8    | 210         | 140       | 105             | 280               | 315        | 1200 | 600 |
| 43  | 1 11/16  | 205         | 135       | 100             | 270               | 305        | 1200 | 600 |
| 44  | 1 3/4    | 195         | 130       | 95              | 260               | 295        | 1200 | 600 |
| 46  | 1 13/16  | 190         | 125       | 95              | 250               | 285        | 1200 | 600 |
| 48  | 1 7/8    | 180         | 120       | 90              | 240               | 270        | 1200 | 600 |
| 50  | 1 24/25  | 175         | 120       | 85              | 230               | 260        | 1200 | 600 |
| 51  | 2        | 170         | 115       | 85              | 230               | 255        | 1200 | 600 |
| 52  | 2 1/16   | 165         | 110       | 80              | 220               | 245        | 1200 | 600 |
| 54  | 2 1/8    | 150         | 100       | 75              | 200               | 225        | 1000 | 500 |
| 56  | 4/6      | 145         | 100       | 75              | 195               | 225        | 1000 | 500 |
| 57  | 2 1/4    | 145         | 100       | 75              | 195               | 225        | 1000 | 500 |
| 59  | 2 3/16   | 145         | 100       | 75              | 195               | 225        | 1000 | 500 |
| 60  | 2 3/8    | 140         | 95        | 70              | 190               | 220        | 1000 | 500 |
| 63  | 2 31/64  | 135         | 90        | 65              | 180               | 205        | 900  | 450 |
| 64  | 2 1/2    | 135         | 90        | 65              | 180               | 205        | 900  | 450 |
| 65  | 2 9/16   | 130         | 85        | 65              | 175               | 200        | 800  | 400 |
| 68  | 2 11/16  | 125         | 80        | 60              | 160               | 185        | 800  | 400 |
| 73  | 2 7/8    | 120         | 80        | 60              | 160               | 180        | 800  | 400 |
| 76  | 3        | 115         | 75        | 55              | 150               | 170        | 700  | 350 |
| 79  | 3 1/8    | 110         | 70        | 55              | 140               | 165        | 700  | 350 |
| 83  | 3 1/4    | 105         | 50        | 40              | 140               | 155        | 700  | 350 |
| 86  | 3 3/8    | 100         | 45        | 30              | 130               | 150        | 500  | 250 |
| 89  | 3 1/2    | 95          | 45        | 30              | 130               | 145        | 500  | 250 |
| 92  | 3 5/8    | 95          | 60        | 45              | 120               | 140        | 500  | 250 |
| 95  | 3 3/4    | 90          | 60        | 45              | 120               | 135        | 500  | 250 |
| 98  | 3 7/8    | 90          | 60        | 45              | 120               | 135        | 500  | 250 |
| 102   | 4        | 85          | 55        | 40              | 110               | 130        | 400  | 200 |
| 105   | 4 1/8    | 80          | 55        | 40              | 110               | 120        | 400  | 200 |
| 111   | 4 3/8    | 80          | 50        | 40              | 100               | 120        | 300  | 150 |
| 114   | 4 1/2    | 75          | 50        | 35              | 100               | 105        | 300  | 150 |
| 121   | 4 3/4    | 75          | 50        | 35              | 95                | 95         | 300  | 150 |
| 127   | 5        | 65          | 45        | 30              | 90                | 90         | 200  | 100 |
| 133   | 5 1/4    | 60          | 40        | 25              | 85                | 85         | 200  | 100 |
| 140   | 5 1/2    | 60          | 40        | 25              | 85                | 85         | 200  | 100 |
| 146   | 5 3/4    | 55          | 35        | 25              | 75                | 75         | 200  | 100 |
| 152   | 6        | 55          | 35        | 25              | 75                | 75         | 200  | 100 |
| 160   | 6 5/16   | 50          | 30        | 25              | 60                | 60         | 150  | 75  |
| 168   | 6 5/8    | 50          | 30        | 25              | 55                | 55         | 150  | 75  |
| 177   | 6 31/32  | 45          | 25        | 25              | 55                | 55         | 150  | 75  |
| 200   | 7 7/8    | 40          | 25        | 25              | 50                | 50         | 100  | 50  |
| 210   | 8 9/32   | 40          | 20        | 25              | 50                | 50         | 100  | 50  |
|  | -        | Cutting oil | Dry       | Cutting oil     | Cutting oil       | Turpentine | Dry  | Dry |



### Speed kills!

Operating at higher speeds than those recommended will shorten the life of the holesaw and produce very inefficient cutting.



### Feed Pressure:

Variables in material, work configuration should be considered. Apply sufficient feed pressure to aid good chip re-removal. Reduce the pressure when the holesaw becomes hot or if the teeth start to clog with material. Insufficient feed pressure will dull tooth points prematurely but too much pressure can totally destroy teeth.



### Cooling Lubricant:

Cutting oil serves two purposes when sawing in metals. It cools the saw and the work piece. It reduces heat and abrasion which can shorten cutting life. It also aids re-moving swarf from the cutting surface. Using a cooling lubricant will extend the life of your holesaw by 500%.

## T.C.T. Stainless steel holesaws

Carbide tooth technology provides for best performance, speed and 10x more lifetime than standard bi-metal holesaws. Teeth can also be resharpened.

Extra deep 25 mm cutting depth for drilling in sheet material and pipes.

One solid piece holesaw design reduces wobble and vibration for accurate drilling.

Safety stop collar prevents over drilling for best safety.

Ejector spring helps eject the slug, prevents jamming and saves time.

With 3-flat secure grip shank reception to prevent the holesaw slipping in the chuck and to ensure maximum torque transmission. Diameters 16-76 mm with 10 mm and >80 mm with 13 mm 3-flat shank reception.

Replaceable pilot drill and spring.

Use a cooling lubricant to extend the life of the holesaw. For metals use cutting oil, aluminium turpentine, plastics water and for cast iron drill dry.

Suitable for drilling steel (<1200 N/mm<sup>2</sup>) up to 4 mm, stainless steel up to 2 mm, aluminium, zink, cast iron, copper, fibreglass and PVC.

| Diameter (mm)  | Max. cutting depth (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------------|---------------|---------------------|----------------|---------------|
| 16   | 25                      | 1             | 1                   | 4932479033     | 4058546363239 |
| 18   | 25                      | 1             | 1                   | 4932479034     | 4058546368289 |
| 19   | 25                      | 1             | 1                   | 4932479035     | 4058546368296 |
| 20   | 25                      | 1             | 1                   | 4932479036     | 4058546368302 |
| 22   | 25                      | 1             | 1                   | 4932479037     | 4058546368319 |
| 24   | 25                      | 1             | 1                   | 4932479038     | 4058546368326 |
| 25   | 25                      | 1             | 1                   | 4932479039     | 4058546368333 |
| 29   | 25                      | 1             | 1                   | 4932479040     | 4058546368340 |
| 30   | 25                      | 1             | 1                   | 4932479041     | 4058546368357 |
| 32   | 25                      | 1             | 1                   | 4932479042     | 4058546368364 |
| 35   | 25                      | 1             | 1                   | 4932479043     | 4058546368371 |
| 38   | 25                      | 1             | 1                   | 4932479044     | 4058546368388 |
| 40   | 25                      | 1             | 1                   | 4932479045     | 4058546368395 |
| 44   | 25                      | 1             | 1                   | 4932479046     | 4058546368401 |
| 45   | 25                      | 1             | 1                   | 4932479047     | 4058546368418 |
| 50   | 25                      | 1             | 1                   | 4932479048     | 4058546368425 |
| 51   | 25                      | 1             | 1                   | 4932479049     | 4058546368432 |
| 54   | 25                      | 1             | 1                   | 4932479050     | 4058546368449 |
| 60   | 25                      | 1             | 1                   | 4932479051     | 4058546368456 |
| 64   | 25                      | 1             | 1                   | 4932479052     | 4058546368463 |
| 70   | 25                      | 1             | 1                   | 4932479053     | 4058546368470 |
| 76   | 25                      | 1             | 1                   | 4932479054     | 4058546368487 |
| 80   | 25                      | 1             | 1                   | 4932479055     | 4058546368494 |
| 85   | 25                      | 1             | 1                   | 4932479056     | 4058546368500 |
| 102  | 25                      | 1             | 1                   | 4932479057     | 4058546368517 |
| <b>T.C.T. holesaw set (4pc)</b>                                  |                         | 4             | 1                   | 4932479058     | 4058546368524 |
| 4 x T.C.T. holesaws: Ø16, 20, 25, 32 mm. 1/8" allen key          |                         |               |                     |                |               |
| Pilot drill bit (Ø6 x 76mm) including spring for T.C.T. holesaws |                         | 1             | 1                   | 4932479059     | 4058546368531 |
| Spring for T.C.T. holesaw pilot drill                            |                         | 3             | 1                   | 4932479060     | 4058546368548 |
| Grub screw M6 for T.C.T. holesaw arbor                           |                         | 3             | 1                   | 4932479061     | 4058546368555 |



| Holesaw Ø mm | Speed - RPM                  |   |
|--------------|------------------------------|---|
|              | Steel < 800N/mm <sup>2</sup> | Stainless Steel / Steel < 1200N/mm <sup>2</sup> |
| 16           | 995                          | 696   |
| 20           | 796                          | 557   |
| 25           | 637                          | 446   |
| 30           | 531                          | 371   |
| 35           | 455                          | 318   |
| 40           | 398                          | 279   |
| 45           | 354                          | 248   |
| 50           | 318                          | 223   |
| 55           | 289                          | 203   |
| 60           | 265                          | 186   |
| 65           | 245                          | 171   |
| 70           | 227                          | 159   |
| 75           | 212                          | 149   |
| 80           | 199                          | 139   |
| 85           | 187                          | 131   |
| 90           | 177                          | 124   |
| 95           | 168                          | 117   |
| 100          | 159                          | 111   |

## BIG HAWG™ multi material holesaws

BIG HAWG™ multi material holesaws are ideal for electricians, carpenters, kitchen fitters & all related heating, ventilation and plumbing trades.

Designed for use in a wide variety of materials:

Bricks\* - suitable for both solid bricks and bricks with cavities.

Aerated concrete blocks\*, lightweight aggregate blocks and breeze blocks.

Soft density lime-sandstone building blocks up to hardness of 30 N/mm<sup>2</sup>.

Softwoods, chipboard, plywood, medium density fibreboard (MDF).

Plastics and plastic coated board (Contiboard).

\* Not suitable for use in hard materials such as concrete, granite, medium to hard density lime-sandstone block, natural stone and hard brick over 30 N/mm<sup>2</sup> hardness.



| Diameter (mm) | Max. cutting depth (mm) | No. of teeth | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------------------|--------------|---------------|---------------------|----------------|---------------|
| 25            | 60                      | 2            | 1             | 1                   | 4932464921     | 4058546228668 |
| 30            | 60                      | 2            | 1             | 1                   | 4932464922     | 4058546228675 |
| 35            | 60                      | 2            | 1             | 1                   | 4932464923     | 4058546228682 |
| 44            | 60                      | 2            | 1             | 1                   | 4932464924     | 4058546228699 |
| 51            | 60                      | 3            | 1             | 1                   | 4932464925     | 4058546228705 |
| 54            | 60                      | 3            | 1             | 1                   | 4932464926     | 4058546228712 |
| 57            | 60                      | 3            | 1             | 1                   | 4932464927     | 4058546228729 |
| 65            | 60                      | 3            | 1             | 1                   | 4932464928     | 4058546228736 |
| 68            | 60                      | 3            | 1             | 1                   | 4932464929     | 4058546228743 |
| 70            | 60                      | 3            | 1             | 1                   | 4932464930     | 4058546228750 |
| 76            | 60                      | 3            | 1             | 1                   | 4932464931     | 4058546228767 |
| 82            | 60                      | 3            | 1             | 1                   | 4932464932     | 4058546228774 |
| 92            | 60                      | 3            | 1             | 1                   | 4932464933     | 4058546228781 |
| 102           | 60                      | 3            | 1             | 1                   | 4932464934     | 4058546228798 |
| 108           | 60                      | 3            | 1             | 1                   | 4932464935     | 4058546228804 |
| 117           | 60                      | 3            | 1             | 1                   | 4932464936     | 4058546228811 |
| 133           | 60                      | 3            | 1             | 1                   | 4932464937     | 4058546228828 |
| 159           | 60                      | 3            | 1             | 1                   | 4932464938     | 4058546228835 |



## BIG HAWG™ multi material holesaws - set

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| <b>BIG HAWG™ multi material set (10 pc)</b>   |               |                     |                |               |
| 6 x holesaws: Ø 35, 44, 51, 57, 68, 76 mm. 1 x arbor with pilot drill. 2 x pilot drill. 1 x diamond file. Allen key | 10            | 1                   | 4932464939     | 4058546228842 |



## BIG HAWG™ multi material - system accessories

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① BIG HAWG™ multi material pilot drill                  | 1             | 1                   | 4932464940     | 4058546228859 |
| ② BIG HAWG™ 7/16" multi material arbor with pilot drill | 1             | 1                   | 4932464941     | 4058546228866 |



## HCS holesaws

Optimised 5 Tpi tooth geometry for clean cuts in soft materials.  
For use in plastics and drywall plasterboard.

| Diameter (mm) | Max. cutting depth (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------------------|---------------|---------------------|----------------|---------------|
| 121           | 96                      | 1             | 1                   | 4932472076     | 4058546324728 |
| 127           | 96                      | 1             | 1                   | 4932472077     | 4058546324735 |
| 138           | 96                      | 1             | 1                   | 4932472079     | 4058546324759 |
| 168           | 96                      | 1             | 1                   | 4932472081     | 4058546324773 |
| 172           | 96                      | 1             | 1                   | 4932472082     | 4058546324780 |
| 177           | 96                      | 1             | 1                   | 4932472083     | 4058546324797 |
| 186           | 96                      | 1             | 1                   | 4932472084     | 4058546324803 |
| 212           | 96                      | 1             | 1                   | 4932472086     | 4058546324827 |
| 226           | 96                      | 1             | 1                   | 4932472087     | 4058546324834 |



## System accessories - HCS holesaws

System accessories to be used with HCS holesaws.

1. Arbor with pilot drill
2. Pilot drill

| Description                                       | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① HCS holesaws arbor with pilot drill             | 1             | 1                   | 4932472088     | 4058546324841 |
| ② HCS holesaw pilot drill Ø6.35 and 150 mm length | 1             | 1                   | 4932472089     | 4058546324858 |



## SHOCKWAVE™ IMPACT DUTY holesaws



| Diameter (mm)   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 19  | 1             | 1                   | 4932501132     | 4058546624347 |
| 22  | 1             | 1                   | 4932501133     | 4058546624354 |
| 25  | 1             | 1                   | 4932501134     | 4058546624361 |
| ① 29  | 1             | 1                   | 4932501135     | 4058546624378 |
| 32  | 1             | 1                   | 4932501136     | 4058546624385 |
| 35  | 1             | 1                   | 4932501137     | 4058546624392 |
| 38  | 1             | 1                   | 4932501138     | 4058546624408 |
| ② SHOCKWAVE™ IMPACT DUTY holesaw set (3pc)<br>Ø 22 / 29 / 35 mm | 3             | 1                   | 4932501139     | 4058546624415 |
| Ejection spring and grub screw                                  | 1             | 1                   | 4932430466     | 4002395381272 |
| Pilot drill bit with arbor                                      | 1             | 1                   | 4932430477     | 4002395381388 |



## APPLICATION AREAS

### CERAMIC TILES

- All types hard and soft:  
Porcelain / Gres / Granite / Quarry /  
Terrazzo / Artificial stone / Terracota /  
Agglomerate / Glazed

### CAST IRON

### FIBREGLASS / GRP

- (Glass reinforced plastic) / Perspex

## HOW TO USE:

1. Screw the grinder adaptor M14 to the holesaw and tighten firmly with a spanner. Then apply the spindle lock on the angle grinder and fit the adaptor directly onto the spindle; tighten firmly with a spanner.
2. If the tile is not fitted to a wall or floor ensure it is secured firmly with a clamp.
3. Switch on the tool to full speed. Slowly approach the tile with the drill bit at a 20-30° angle with light pressure to avoid skating on the tile. Once the drill bit starts to cut into the tile and forms a groove, gradually raise the drill so that it is horizontal (90°) with the tile.
4. Apply light pressure and an oscillating circular motion during cutting to maximise tool life.
5. When cutting material thicker than 10 mm, to optimise life and speed of cut, lift the drill/hole saw out of the hole every 5 seconds and allow it to rotate in the air to cool before continuing with the cut.

# M14 DIAMOND DRY TILE DRILL BIT



Diamond grit drills and holesaws are designed for cutting holes in extremely hard materials such as porcelain/gres/quarry tiles, cast iron or fibreglass. These bits & holesaws guarantee superior life and fast cutting even in the hardest of materials. Can be used either on angle grinders with relevant adaptor or with a drill driver.

**No water cooling necessary, 100% dry use.**

**Clean holes:** Drills clean, precise holes without any perimeter scratches.

Superior lifetime and durability due to the high grade diamond bond and the tough alloy body which resists bending under stress.

Easy slug removal due to the multiple access slots.

## M14 diamond tile drill bit

| Diameter (mm) | Reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-----------|---------------|---------------------|----------------|---------------|
| 5             | M14       | 1             | 1                   | 4932471758     | 4058546296575 |
| 6             | M14       | 1             | 1                   | 4932471759     | 4058546296582 |
| 8             | M14       | 1             | 1                   | 4932471760     | 4058546296599 |
| 10            | M14       | 1             | 1                   | 4932471761     | 4058546296605 |
| 12            | M14       | 1             | 1                   | 4932471762     | 4058546296612 |
| 14            | M14       | 1             | 1                   | 4932471763     | 4058546296629 |
| 16            | M14       | 1             | 1                   | 4932471764     | 4058546296636 |
| 18            | M14       | 1             | 1                   | 4932478276     | 4058546344535 |
| 20            | M14       | 1             | 1                   | 4932478277     | 4058546344542 |
| 22            | M14       | 1             | 1                   | 4932498354     | 4058546522230 |
| 25            | M14       | 1             | 1                   | 4932478278     | 4058546344559 |
| 30            | M14       | 1             | 1                   | 4932498355     | 4058546522247 |
| 32            | M14       | 1             | 1                   | 4932478279     | 4058546344566 |
| 35            | M14       | 1             | 1                   | 4932478280     | 4058546344573 |
| 38            | M14       | 1             | 1                   | 4932498356     | 4058546522254 |
| 40            | M14       | 1             | 1                   | 4932478281     | 4058546344580 |
| 44            | M14       | 1             | 1                   | 4932478282     | 4058546344597 |
| 51            | M14       | 1             | 1                   | 4932478283     | 4058546344603 |
| 54            | M14       | 1             | 1                   | 4932498357     | 4058546522261 |
| 55            | M14       | 1             | 1                   | 4932478284     | 4058546344610 |
| 57            | M14       | 1             | 1                   | 4932498358     | 4058546522278 |
| 60            | M14       | 1             | 1                   | 4932498359     | 4058546522285 |
| 64            | M14       | 1             | 1                   | 4932498360     | 4058546522292 |
| 65            | M14       | 1             | 1                   | 4932498361     | 4058546522308 |
| 68            | M14       | 1             | 1                   | 4932478285     | 4058546344627 |
| 73            | M14       | 1             | 1                   | 4932498362     | 4058546522315 |
| 75            | M14       | 1             | 1                   | 4932478286     | 4058546344634 |
| 76            | M14       | 1             | 1                   | 4932498363     | 4058546522322 |
| 83            | M14       | 1             | 1                   | 4932498364     | 4058546522339 |
| 102           | M14       | 1             | 1                   | 4932478287     | 4058546344641 |

① DIAMOND MAX™ diamond drill bit set (4pc)  
Ø 6, 8, 10, 14 mm

② DIAMOND MAX™ diamond drill bit set (3pc)  
Ø6 mm

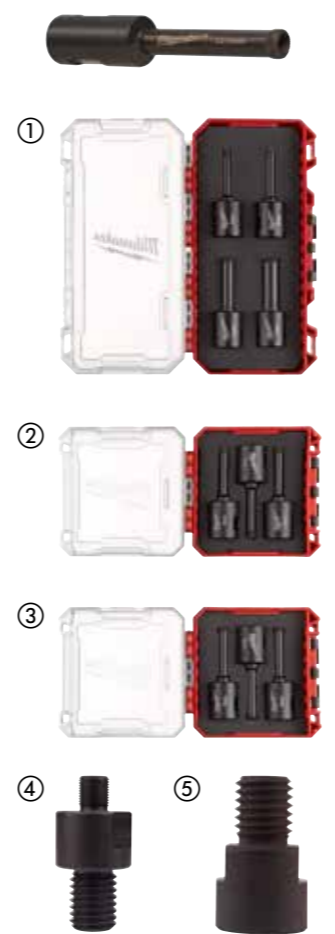
③ DIAMOND MAX™ diamond drill bit set (3pc)  
Ø8 mm

| Description  | Tool reception | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|----------------|-----------------|---------------|---------------------|----------------|---------------|
| Adaptor to fit M14 diamond drills to Milwaukee spot polisher | M9 x 0.75      | M14             | 1             | 1                   | 4932472090     | 4058546324865 |
| Adaptor to fit M14 diamond drills to Milwaukee die grinder   | M16 x 1.0      | M14             | 1             | 1                   | 4932472265     | 4058546339111 |

## M14 diamond router bit

For milling and modelling applications in different materials e.g. porcelain tiles, granite, natural stone, marble, engineering bricks, roof tiles and concrete.  
For chamfering all the mentioned materials.  
For expanding existing holes.

| Description            | Diameter (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------|---------------|---------------------|---------------|---------------------|----------------|---------------|
| M14 diamond router bit | 20            | 35                  | 1             | 1                   | 4932479078     | 4058546368722 |



## M14 diamond cup wheel

Optimal for all types of repair work in confined spaces.  
For removing and levelling tile adhesive when replacing broken tiles.  
For grinding different materials e.g. granite, stone, porcelain tiles, ceramic tiles, concrete, screed and removing adhesives.  
M14 thread: To fit directly onto an angle grinder.  
Lifetime: To ensure long lifetime, we use high grade diamond for fast grinding and a superior bond matrix to give best durability.

| Description           | Diameter (mm) | Cup wheel height (mm) | Segment height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------|---------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| M14 diamond cup wheel | 50            | 27                    | 2                   | 1             | 1                   | 4932479079     | 4058546368739 |



## APPLICATION AREAS

### CERAMIC TILES

- All types hard and soft:  
Porcelain / Gres / Granite / Quarry / Terrazzo / Artificial stone / Terracota / Agglomerate / Glazed

### CAST IRON

### FIBREGLASS / GRP

- (Glass reinforced plastic) / Perspex

## 1/4" WET TILE DRILL BITS



Diamond grit drills and holesaws are designed for cutting holes in extremely hard materials such as porcelain/gres/quarry tiles, cast iron or fibreglass. These bits & holesaws guarantee superior life and fast cutting even in the hardest of materials. Can be used either on angle grinders with relevant adaptor or with a drill driver.

**Minimal water cooling:** A continuous flow of water is required to cool the bits & holesaw during cutting.

Simply dip them in water before starting the cut and every 3 seconds during cutting for optimal performance.

**Clean holes:** Drills clean, precise holes without any perimeter scratches.

Superior lifetime and durability due to the high grade diamond bond and the tough alloy body which resists bending under stress.

Easy slug removal due to the multiple access slots.

## DIAMOND MAX™ 1/4" WET drill bits

| Diameter (mm) | Reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-----------|---------------|---------------------|----------------|---------------|
| ① 5           | 1/4" Hex  | 1             | 1                   | 4932498341     | 4058546522100 |
| 6             | 1/4" Hex  | 1             | 1                   | 4932498342     | 4058546522117 |
| 8             | 1/4" Hex  | 1             | 1                   | 4932498343     | 4058546522124 |
| 10            | 1/4" Hex  | 1             | 1                   | 4932498344     | 4058546522131 |
| 12            | 1/4" Hex  | 1             | 1                   | 4932498345     | 4058546522148 |
| 14            | 1/4" Hex  | 1             | 1                   | 4932498346     | 4058546522155 |
| 16            | 1/4" Hex  | 1             | 1                   | 4932498347     | 4058546522162 |
| 20            | 1/4" Hex  | 1             | 1                   | 4932498348     | 4058546522179 |
| 22            | 1/4" Hex  | 1             | 1                   | 4932498349     | 4058546522186 |
| 25            | 1/4" Hex  | 1             | 1                   | 4932498350     | 4058546522193 |
| 29            | 1/4" Hex  | 1             | 1                   | 4932498351     | 4058546522209 |
| 32            | 1/4" Hex  | 1             | 1                   | 4932498352     | 4058546522216 |
| 35            | 1/4" Hex  | 1             | 1                   | 4932498353     | 4058546522223 |

| DIAMOND MAX™ diamond drill bit set (3pc) |  |   |   |            |               |
|--|--|---|---|------------|---------------|
| ③  |  | 3 | 1 | 4932498368 | 4058546522377 |
| Ø 6, 8, 10 mm                            |  |   |   |            |               |

| DIAMOND MAX™ diamond drill bit set (5pc) |  |   |   |            |               |
|--|--|---|---|------------|---------------|
| ④  |  | 5 | 1 | 4932498299 | 4058546521684 |
| Ø 6 (2x), 8 (2x), 10 mm                  |  |   |   |            |               |

| DIAMOND MAX™ diamond drill bit set (5pc) |  |   |   |            |               |
|--|--|---|---|------------|---------------|
| ⑤  |  | 5 | 1 | 4932498300 | 4058546521691 |
| Ø 6 mm (5x)                              |  |   |   |            |               |

| DIAMOND MAX™ diamond drill bit set (5pc) |  |   |   |            |               |
|--|--|---|---|------------|---------------|
| ⑥  |  | 5 | 1 | 4932498301 | 4058546521707 |
| Ø 8 mm (5x)                              |  |   |   |            |               |

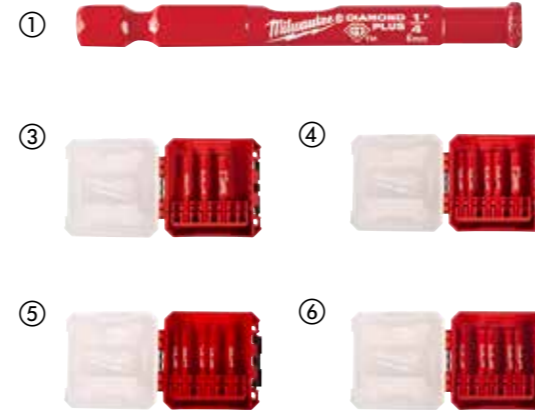
| Diameter (mm) | Reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-----------|---------------|---------------------|----------------|---------------|
| 22            | 1/2" x 20 | 1             | 1                   | 49565605       | 045242308439  |
| 29            | 1/2" x 20 | 1             | 1                   | 49565615       | 045242308446  |
| 32            | 5/8" x 18 | 1             | 1                   | 4932500114     | 4058546572785 |
| 35            | 5/8" x 18 | 1             | 1                   | 4932500115     | 4058546572792 |
| ② 38          | 5/8" x 18 | 1             | 1                   | 4932500116     | 4058546572808 |
| 44            | 5/8" x 18 | 1             | 1                   | 4932500117     | 4058546572815 |
| 51            | 5/8" x 18 | 1             | 1                   | 4932500118     | 4058546572822 |
| 64            | 5/8" x 18 | 1             | 1                   | 4932500119     | 4058546572839 |
| 68            | 5/8" x 18 | 1             | 1                   | 4932500120     | 4058546572846 |

| Description     | Fits holesaw | Shank reception | Holesaw or core reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------|--------------|-----------------|---------------------------|---------------|---------------------|----------------|---------------|
| Arbor           | 14-30 mm     | 9.5 mm Hex      | 1/2" x 20                 | 1             | 1                   | 4932479465     | 4058546372590 |
| Arbor           | Ø 32-210 mm  | 9.5 mm Hex      | 5/8" x 18                 | 1             | 1                   | 4932479466     | 4058546372606 |
| Grinder adaptor | Ø 22-29mm    | M14             | 1/2" x 20                 | 1             | 1                   | 4932430464     | 4002395381258 |
| Grinder adaptor | Ø 32-68mm    | M14             | 5/8" x 18                 | 1             | 1                   | 4932430465     | 4002395381265 |

## Holesaw drilling guide

Constant water supply significantly increases the drill bit lifetime. Drilling guide provides a secure drilling into the material without slipping around and damaging the surface. Easy fixing and removal from surfaces due to vacuum fixing.

| Description                                       | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| Drilling guide for drills / holesaws Ø 19 - 68 mm | 1             | 1                   | 4932352332     | 4002395369911 |



## Wet Diamond Drilling Cores

- ① Standard 1/4" UNC reception
- ② Stamping of diameter and type on the core reception for longterm visibility
- ③ Laser welded segments guarantee against break off
- ③ 10 mm segment height for superior lifetime



## THIN KERF Wet diamond drilling cores

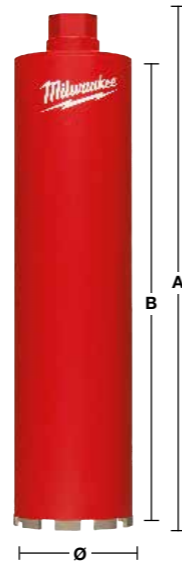
Cordless optimised diamond segments designed especially for MXFuel tool. Optimised for corded diamond drills up to 2200 Watt. 10 mm laser welded segments for superior lifetime. Standard 1/2" G reception on smaller diameters & standard 1 1/4" UNC reception on bigger diameters.

| Diameter (mm) | Description    | Fits DD3 - 152 | Fits MXF DCD 150 | Core reception | Working length (mm) B | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|----------------|----------------|------------------|----------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| 12            | WCHP-TK 12 mm  | ✓              | ✓                | 1/2" G         | 200                   | 270                 | 1             | 1                   | 4932472167     | 4058546325633 |
| 14            | WCHP-TK 14 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472168     | 4058546325640 |
| 16            | WCHP-TK 16 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472169     | 4058546325657 |
| 18            | WCHP-TK 18 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472170     | 4058546325664 |
| 20            | WCHP-TK 20 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472171     | 4058546325671 |
| 22            | WCHP-TK 22 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472172     | 4058546325688 |
| 24            | WCHP-TK 24 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472173     | 4058546325695 |
| 25            | WCHP-TK 25 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472174     | 4058546325701 |
| 28            | WCHP-TK 28 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472175     | 4058546325718 |
| 30            | WCHP-TK 30 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472176     | 4058546325725 |
| 32            | WCHP-TK 32 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472177     | 4058546325732 |
| 35            | WCHP-TK 35 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472178     | 4058546325749 |
| 40            | WCHP-TK 40 mm  | ✓              | ✓                | 1/2" G         | 300                   | 370                 | 1             | 1                   | 4932472180     | 4058546325763 |
| 46            | WCHP-TK 46 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932478953     | 4058546325855 |
| 51            | WCHP-TK 51 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472184     | 4058546325800 |
| 56            | WCHP-TK 56 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472185     | 4058546325817 |
| 61            | WCHP-TK 61 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472186     | 4058546325824 |
| 66            | WCHP-TK 66 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472187     | 4058546325831 |
| 68            | WCHP-TK 68 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932478954     | 4058546325836 |
| 71            | WCHP-TK 71 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472188     | 4058546325848 |
| 76            | WCHP-TK 76 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472189     | 4058546325855 |
| 81            | WCHP-TK 81 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472190     | 4058546325862 |
| 86            | WCHP-TK 86 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472191     | 4058546325879 |
| 91            | WCHP-TK 91 mm  | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472192     | 4058546325886 |
| 101           | WCHP-TK 101 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472193     | 4058546325893 |
| 105           | WCHP-TK 105 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472194     | 4058546325909 |
| 111           | WCHP-TK 111 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472195     | 4058546325916 |
| 121           | WCHP-TK 121 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472196     | 4058546325923 |
| 126           | WCHP-TK 126 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932478955     | 4058546325930 |
| 130           | WCHP-TK 130 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472197     | 4058546325937 |
| 140           | WCHP-TK 140 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472198     | 4058546325944 |
| 150           | WCHP-TK 150 mm | ✓              | ✓                | 1 1/4" UNC     | 450                   | 525                 | 1             | 1                   | 4932472199     | 4058546325951 |



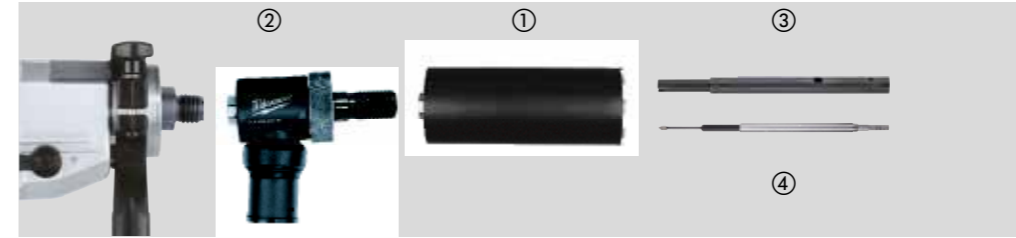
## Wet diamond drilling cores

|     | Fits DD3-152 | Fits DCM2-250C & DCM2-350C | Core       | Working length (mm) B | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----|--------------|----------------------------|------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| 52  | WCHP 52      | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399707     | 4002395363582 |
| 62  | WCHP 62      | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399708     | 4002395363599 |
| 72  | WCHP 72      | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399709     | 4002395363605 |
| 82  | WCHP 82      | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399710     | 4002395363612 |
| 92  | WCHP 92      | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399711     | 4002395363629 |
| 102 | WCHP 102     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399712     | 4002395363636 |
| 112 | WCHP 112     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399713     | 4002395363643 |
| 122 | WCHP 122     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399714     | 4002395363650 |
| 132 | WCHP 132     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399715     | 4002395363667 |
| 152 | WCHP 152     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399716     | 4002395363674 |
| 162 | WCHP 162     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399717     | 4002395363681 |
| 172 | WCHP 172     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932352052     | 4002395367092 |
| 182 | WCHP 182     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399718     | 4002395363698 |
| 202 | WCHP 202     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399719     | 4002395363704 |
| 225 | WCHP 225     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399720     | 4002395363711 |
| 250 | WCHP 250     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399721     | 4002395363728 |
| 300 | WCHP 300     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399722     | 4002395363735 |
| 350 | WCHP 350     | ✓                          | 1 1/4" UNC | 450                   | 525                 | 1             | 1                   | 4932399723     | 4002395363742 |



## Dry diamond cores with dust extraction - DCHXL

10 mm high, laser welded segments for longer life.  
Use with the machine set to rotary only, not suitable for hammer action.



| Material                             | DCHXL | Material                       | DCHXL |
|--------------------------------------|-------|--------------------------------|-------|
| Aerated/breeze concrete blocks       | ◆     | Granite                        | ✗     |
| Artificial stone – hard              | ✗     | Lime/sandstone – hard          | ✓     |
| Brick – very hard, engineering brick | ✓     | Lime/sandstone – soft/abrasive | ◆     |
| Brick – medium                       | ✓     | Marble                         | ✗     |
| Brick – soft                         | ◆     | Tiles                          | ✗     |
| Concrete                             | ✗     |                                |       |

✓ Most suitable. Recommended for these materials.  
✗ Not suitable. Not recommended for these materials.

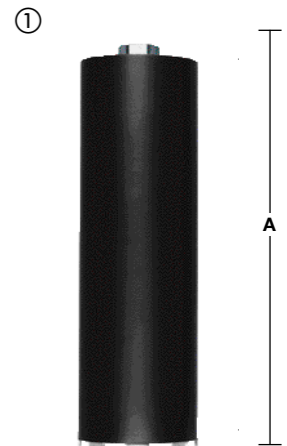
◆ Limited suitability – recommended for intermittent use.  
Very good in drilling characteristics, but reduced lifetime.

| Description | Diameter (mm) | Core reception | Working length (mm) B | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|---------------|----------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| DCHXL 38*   | 38            | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399753     | 4002395364060 |
| DCHXL 52    | 52            | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399163     | 4002395357703 |
| DCHXL 68    | 68            | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399164     | 4002395357710 |
| DCHXL 82    | 82            | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399165     | 4002395357727 |
| DCHXL 102   | 102           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399166     | 4002395357734 |
| DCHXL 107   | 107           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399754     | 4002395364077 |
| ① DCHXL 112 | 112           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399167     | 4002395357741 |
| DCHXL 117   | 117           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399755     | 4002395364084 |
| DCHXL 122   | 122           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399168     | 4002395357758 |
| DCHXL 127   | 127           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399169     | 4002395357765 |
| DCHXL 132   | 132           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399170     | 4002395357772 |
| DCHXL 152   | 152           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399171     | 4002395357789 |
| DCHXL 162   | 162           | 1 1/4" UNC     | 420                   | 490                 | 1             | 1                   | 4932399172     | 4002395357796 |

\* During pre-drilling no centering star required.

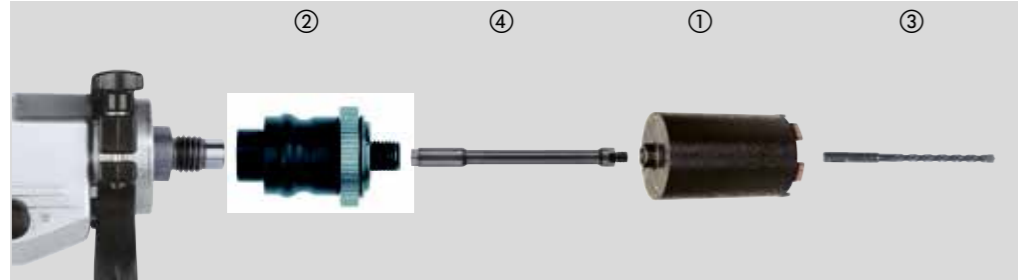
| Description                      | Tool reception | Core reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| ② FIXTEC™ Clean Line Rotor (CLR) | M18 x 2.5      | 1 1/4" UNC     | 1             | 1                   | 4932352172     | 4002395368242 |

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ③ Guide rod for DD3-152. Requires SDS-plus pilot drill (Ø 8 x 110 mm) | 1             | 1                   | 4932352679     | 4002395373376 |
| d Dry drilling guide rod for MXF DCD150.                              | 1             | 1                   | 4932479580     | 4058546373740 |



## Dry diamond drilling without dust extraction - DCH 150

10 mm high segments.  
Laser welded segments for extra durability.  
Use with the machine set to rotary only, not suitable for hammer action.



| Material                             | DCH | Material                       | DCH |
|--------------------------------------|-----|--------------------------------|-----|
| Aerated/breeze concrete blocks       | ◆   | Granite                        | ✘   |
| Artificial stone – hard              | ✘   | Lime/sandstone – hard          | ✓   |
| Brick – very hard, engineering brick | ✓   | Lime/sandstone – soft/abrasive | ◆   |
| Brick – medium                       | ✓   | Marble                         | ✘   |
| Brick – soft                         | ◆   | Tiles                          | ✘   |
| Concrete                             | ✘   |                                |     |

✓ Most suitable. Recommended for these materials.  
◆ Limited suitability – recommended for intermittent use.  
Very good in drilling characteristics, but reduced lifetime.  
✘ Not suitable. Not recommended for these materials.

✓ Most suitable. Recommended for these materials.  
◆ Limited suitability – recommended for intermittent use.  
Very good in drilling characteristics, but reduced lifetime.  
✘ Not suitable. Not recommended for these materials.

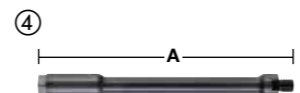
| Description  | Diameter (mm) | Core reception | Working length (mm) B | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------|---------------|----------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| DCH 150-52   | 52            | M16            | 150                   | 180                 | 1             | 1                   | 4932352628     | 4002395372867 |
| DCH 150-62   | 62            | M16            | 150                   | 180                 | 1             | 1                   | 4932352629     | 4002395372874 |
| DCH 150-68   | 68            | M16            | 150                   | 180                 | 1             | 1                   | 4932352630     | 4002395372881 |
| ① DCH 150-82 | 82            | M16            | 150                   | 180                 | 1             | 1                   | 4932352631     | 4002395372898 |
| DCH 150-102  | 102           | M16            | 150                   | 180                 | 1             | 1                   | 4932352632     | 4002395372904 |
| DCH 150-127  | 127           | M16            | 150                   | 180                 | 1             | 1                   | 4932352633     | 4002395372911 |



| Description   | Tool reception | Core reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|----------------|----------------|---------------|---------------------|----------------|---------------|
| ② FIXTEC™ adaptor. Tool changing in seconds. No extra tool required | M18 x 2.5      | M16            | 1             | 1                   | 4932399174     | 4002395357819 |
| ③ Requires SDS-plus pilot drill bit (Ø 8 x 260 mm)                  |                |                | 1             | 1                   | 4932353821     | 4002395320141 |



| Description   | Adaptor reception | Core reception | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-------------------|----------------|---------------------|---------------|---------------------|----------------|---------------|
| ④ Extention between FIXTEC adaptor and diamond core | M16               | M16            | 300                 | 1             | 1                   | 4932369736     | 4002395346028 |



## SHOCKWAVE™ IMPACT DUTY

# PRECISION THAT KEEPS PACE WITH POWER

The new SHOCKWAVE™ Gen 4 Screwdriving Bits feature the strongest SHOCK ZONE™ ever - built to absorb torque and take the hit. The updated Wear Guard Tip™ grips better, strips less, and stays sharp job after job.

When the job demands more, SHOCKWAVE™ delivers.

### MOST DURABLE SHOCK ZONE™

Shank absorbs peak torque, prevents breaking

### LONG LASTING WEAR GUARD TIP™

Customised tip geometry, less stripping

# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## SHOCKWAVE™ IMPACT DUTY screwdriving bits

# IMPACT

Designed for use with impact drivers the SHOCKWAVE™ IMPACT DUTY accessory line is not only ideal for heavy duty impact applications, but also delivers a full system solution for all the user's drilling and fastening needs.

Laser hardened WEAR GUARD TIP™ for improved wear resistance and protection of the fit over the life of the bit.

SHOCK ZONE™ Geometry - designed to flex:

SHOCK ZONE™ reduces stress at the tip resulting in less tip breakages. The combination of the SHOCK ZONE™ design and special heat treatment absorbs impacts and allows the bit to flex with spring like action.

Custom engineered steel - Milwaukee® custom metal formula makes the SHOCKWAVE™ bits more resistant to shock from impacting.



A) 25 mm 1/4" Hex - DIN 3126 - C 6.3  
B) 50 mm 1/4" Hex - DIN 3126 - E 6.3  
C) 90 mm 1/4" Hex - DIN 3126 - E 6.3  
D) 150 mm 1/4" Hex - DIN 3126 - E 6.3

### ② Storage container



Minimum order quantity = 10 pcs (come in counter display) orders. > 10 pcs must be ordered in multiples of 10 (i.e. 10,20,30)

| Type        | Total length (mm) | Supplied in | Pack quantity | Min. order quantity | Article Number | EAN Code      |               |
|-------------|-------------------|-------------|---------------|---------------------|----------------|---------------|---------------|
| Philips<br> | PH 1              | 25          | 3             | 1                   | 4932500352     | 4058546616540 |               |
|             |                   | 50          | 1             | 1                   | 4932471564     | 4058546294632 |               |
|             |                   | 90          | 1             | 1                   | 4932430851     | 4002395385133 |               |
|             | PH 2              | 25          | 3             | 1                   | 4932500353     | 4058546616557 |               |
|             |                   | 25          | ②             | 25                  | 10             | 4932430853    | 4002395385157 |
|             |                   | 50          | 1             | 1                   | 4932430854     | 4002395385164 |               |
|             |                   | 50          | ②             | 10                  | 10             | 4932430855    | 4002395385171 |
|             |                   | 90          | 1             | 1                   | 4932430856     | 4002395385188 |               |
|             |                   | 150         | 1             | 1                   | 4932471565     | 4058546294649 |               |
|             | PH 3              | 25          | 3             | 1                   | 4932500354     | 4058546616564 |               |
|             |                   | 50          | 1             | 1                   | 4932430858     | 4002395385201 |               |
|             |                   | 90          | 1             | 1                   | 4932430859     | 4002395385218 |               |
| PZ 1        | 25                | 3           | 1             | 4932500355          | 4058546616571  |               |               |
|             | 25                | ②           | 25            | 10                  | 4932430861     | 4002395385232 |               |
|             | 50                | 1           | 1             | 4932471566          | 4058546294656  |               |               |
|             | 50                | ②           | 10            | 10                  | 4932500231     | 4058546615338 |               |
|             | 90                | 1           | 1             | 4932430862          | 4002395385249  |               |               |
|             | 150               | 1           | 1             | 4932500393          | 4058546616953  |               |               |
| PZ 2        | 25                | 3           | 1             | 4932500356          | 4058546616588  |               |               |
|             | 25                | ②           | 25            | 10                  | 4932430864     | 4002395385263 |               |
|             | 50                | 1           | 1             | 4932430865          | 4002395385270  |               |               |
|             | 50                | ②           | 10            | 10                  | 4932430866     | 4002395385287 |               |
|             | 90                | 1           | 1             | 4932430867          | 4002395385294  |               |               |
|             | 150               | 1           | 1             | 4932471928          | 4058546298272  |               |               |
| PZ 3        | 25                | 3           | 1             | 4932500357          | 4058546616595  |               |               |
|             | 25                | ②           | 25            | 1                   | 4932430869     | 4002395385317 |               |
|             | 50                | 1           | 1             | 4932430870          | 4002395385324  |               |               |
|             | 150               | 1           | 1             | 4932471929          | 4058546298289  |               |               |

| Type      | Total length (mm) | Supplied in | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------|-------------------|-------------|---------------|---------------------|----------------|---------------|
| TORX®<br> | TX 7              | 25          | 3             | 1                   | 4932500358     | 4058546616601 |
| TX 8      | 25                | 3           | 1             | 1                   | 4932500359     | 4058546616618 |
|           | TX 9              | 25          | 3             | 1                   | 4932500360     | 4058546616625 |
|           | TX 10             | 25          | 3             | 1                   | 4932500361     | 4058546616632 |
| TX 15     | 50                | 1           | 1             | 1                   | 4932471570     | 4058546294694 |
|           | 90                | 1           | 1             | 1                   | 4932500233     | 4058546615352 |
|           | TX 15             | 25          | 3             | 1                   | 4932500362     | 4058546616649 |
| TX 20     | 25                | ②           | 25            | 10                  | 4932430873     | 4002395385355 |
|           | 50                | 1           | 1             | 1                   | 4932451286     | 4002395157440 |
|           | 90                | 1           | 1             | 1                   | 4932471571     | 4058546294700 |
|           | 150               | 1           | 1             | 1                   | 4932471572     | 4058546294717 |
|           | TX 20             | 25          | 3             | 1                   | 4932500363     | 4058546616656 |
| TX 25     | 25                | ②           | 25            | 10                  | 4932430875     | 4002395385379 |
|           | 50                | 1           | 1             | 1                   | 4932430876     | 4002395385386 |
|           | 50                | ②           | 10            | 10                  | 4932430877     | 4002395385393 |
|           | 90                | 1           | 1             | 1                   | 4932430878     | 4002395385409 |
|           | 150               | 1           | 1             | 1                   | 4932471573     | 4058546294724 |
| TX 27     | 25                | 3           | 1             | 1                   | 4932500364     | 4058546616663 |
|           | 25                | ②           | 25            | 10                  | 4932430880     | 4002395385423 |
|           | 50                | 1           | 1             | 1                   | 4932430881     | 4002395385430 |
|           | 50                | ②           | 10            | 10                  | 4932430882     | 4002395385447 |
|           | 90                | 1           | 1             | 1                   | 4932430883     | 4002395385454 |
| TX 30     | 150               | 1           | 1             | 1                   | 4932500392     | 4058546616946 |
|           | TX 27             | 25          | 3             | 1                   | 4932500365     | 4058546616670 |
|           | TX 30             | 25          | 3             | 1                   | 4932500366     | 4058546616687 |
|           | 25                | ②           | 25            | 10                  | 4932430886     | 4002395385485 |
|           | 50                | 1           | 1             | 1                   | 4932430887     | 4002395385492 |
| TX 40     | 50                | ②           | 10            | 10                  | 4932471574     | 4058546294731 |
|           | 90                | 1           | 1             | 1                   | 4932471575     | 4058546294748 |
|           | TX 40             | 25          | 3             | 1                   | 4932500367     | 4058546616694 |
| TX 45     | 25                | ②           | 25            | 10                  | 4932430889     | 4002395385515 |
|           | 50                | 1           | 1             | 1                   | 4932430890     | 4002395385522 |
|           | TX 45             | 25          | 3             | 1                   | 4932500394     | 4058546616960 |
| TX 50     | 25                | 3           | 1             | 1                   | 4932500368     | 4058546616700 |
|           | 25                | ②           | 15            | 10                  | 4932430892     | 4002395385546 |

### ② Storage container



Minimum order quantity = 10 pcs (come in counter display) orders. > 10 pcs must be ordered in multiples of 10 (i.e. 10,20,30)

# SHOCKWAVE™ IMPACT DUTY



| Type     | Total length (mm) | Supplied in | Pack quantity | Min. order quantity | Article Number | EAN Code   |               |
|----------|-------------------|-------------|---------------|---------------------|----------------|------------|---------------|
| TORX® B0 | TX B07            | 25          | ①             | 3                   | 1              | 4932500369 | 4058546616717 |
|          | TX B08            | 25          | ①             | 3                   | 1              | 4932500370 | 4058546616724 |
|          | TX B09            | 25          | ①             | 3                   | 1              | 4932500371 | 4058546616731 |
|          | TX B010           | 25          | ①             | 3                   | 1              | 4932500372 | 4058546616748 |
|          | TX B015           | 25          | ①             | 3                   | 1              | 4932500373 | 4058546616755 |
|          | TX B020           | 25          | ①             | 3                   | 1              | 4932500374 | 4058546616762 |
|          | TX B025           | 25          | ①             | 3                   | 1              | 4932500375 | 4058546616779 |
|          | TX B030           | 25          | ①             | 3                   | 1              | 4932500376 | 4058546616786 |
|          | TX B040           | 25          | ①             | 3                   | 1              | 4932500377 | 4058546616793 |
|          | Hex               | Hex 2.5 mm  | 25            | ①                   | 3              | 1          | 4932500378    |
| Hex 3 mm |                   | 25          | ①             | 3                   | 1              | 4932500379 | 4058546616816 |
| Hex 4 mm |                   | 25          | ①             | 3                   | 1              | 4932500380 | 4058546616823 |
| Hex 5 mm |                   | 25          | ①             | 3                   | 1              | 4932500381 | 4058546616830 |
| Hex 6 mm |                   | 25          | ①             | 3                   | 1              | 4932500382 | 4058546616847 |
| Hex 8 mm |                   | 25          | ①             | 3                   | 1              | 4932500383 | 4058546616854 |
| Slotted  | Hex 10 mm         | 25          | ①             | 3                   | 1              | 4932500384 | 4058546616861 |
|          | Hex 12 mm         | 25          | ①             | 3                   | 1              | 4932500385 | 4058546616878 |
|          | SL 0.6 x 4.5      | 25          | ①             | 3                   | 1              | 4932500386 | 4058546616885 |
| Square   | SL 0.8 x 5.5      | 25          | ①             | 3                   | 1              | 4932500387 | 4058546616892 |
|          | SL 1.2 x 6.5      | 25          | ①             | 3                   | 1              | 4932500388 | 4058546616908 |
| Square   | SQ 1              | 50          | ①             | 1                   | 1              | 4932500390 | 4058546616922 |
|          | SQ 2              | 50          | ①             | 1                   | 1              | 4932500391 | 4058546616939 |

# SHOCKWAVE™ IMPACT DUTY



## SHOCKWAVE™ IMPACT DUTY sets

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| <b>SHOCKWAVE™ IMPACT DUTY Carabiner Set 1 (10 pc)</b><br>SHOCKWAVE™ screwdriving bits: 10 x 50mm length: 2 x PH2 / 1 x PZ2 / 1 x TX15 / 2 x TX20 / 2 x TX25 / 1 x TX30 / 1 x TX40  | 10            | 50                  | 4932480941     | 4058546412265 |
| <b>SHOCKWAVE™ IMPACT DUTY Carabiner Set 2 (10 pc)</b><br>Shockwave™ Impact Rated Screwdriving Bits: 10 x 50mm length: 4 x PH2 / 4 x PZ2 / 1 x TX20 / 1 x TX25<br>SHOCKWAVE™ IMPACT DUTY Carabiner Set 3 (10 pc)<br>Shockwave™ Impact Rated Screwdriving Bits: 10 x   | 10            | 50                  | 4932492939     | 4058546478100 |
| <b>SHOCKWAVE™ IMPACT DUTY Carabiner Set 3 (10 pc)</b><br>Shockwave™ Impact Rated Screwdriving Bits: 10 x   | 10            | 50                  | 4932500397     | 4058546616991 |
| <b>SHOCKWAVE™ IMPACT DUTY puck bit set (15 pc)</b><br>SHOCKWAVE™ screwdriving bits: 14 x 25 mm length: 1 x PH1 / 2 x PH2, 1 x PZ1 / 2 x PZ2 / 1 x PZ3, 1 x TX10 / 2 x TX15 / 2 x TX20 / 1 x TX25 / 1 x TX30, 1 x SHOCKWAVE™ magnetic bit holder 60 mm length   | 15            | 10                  | 4932430904     | 4002395385669 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (32 pc)</b><br>SHOCKWAVE™ screwdriving bits: 31 x 25 mm length: 1 x PH1 / 2 x PH2 / 1 x PH3, 1 x PZ1 / 2 x PZ2 / 1 x PZ3, 2 x TX10 / 2 x TX15 / 3 x TX20 / 2 x TX25 / 2 x TX30 / 1 x TX40, 1 x TX B07 / 1 x TX B08 / 1 x TX B09 / 1 x TX B010 / 1 x TX B015 / 1 x TX B020 / 1 x TX B025, 1 x Hex 3 mm / 1 x Hex 4 mm / 1 x Hex 5 mm / 1 x Hex 6 mm, 1 x SHOCKWAVE™ locking bit holder 1/4" Hex reception 73 mm long  | 32            | 12                  | 4932464240     | 4058546221850 |
| <b>SHOCKWAVE™ IMPACT DUTY TX bit set (32 pc)</b><br>SHOCKWAVE™ TX screwdriving bits: 31 x 25 mm length: 2 x TX10 / 4 x TX15 / 5 x TX20 / 5 x TX25 / 5 x TX30 / 2 x TX40 / 1 x TX50, 1 x TX B07 / 1 x TX B08 / 1 x TX B09 / 1 x TX B010 / 1 x TX B015 / 1 x TX B020 / 1 x TX B025, 1 x SHOCKWAVE™ locking bit holder 1/4" Hex reception 73 mm long  | 32            | 12                  | 4932471586     | 4058546294854 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (35 pc)</b><br>SHOCKWAVE™ screwdriving bits: 24 x 25 mm length 1 x PH1 / 3 x PH2 / 1 x PH3, 2 x PZ1 / 3 x PZ2 / 1 x PZ3, 2 x TX10 / 2 x TX15 / 3 x TX20 / 3 x TX25 / 2 x TX30 / 1 x TX40, 7 x 50 mm length 1 x PH2 / 1 x PZ2, 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30 / 1 x TX40, 3 x SHOCKWAVE™ magnetic nut drivers: 48 mm length 1 x Hex 7 mm / 1 x Hex 8 mm / 1 x Hex 10 mm, 1 x SHOCKWAVE™ magnetic bit holder 60 mm length   | 35            | 6                   | 4932492003     | 4058546413705 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (38 pc)</b><br>SHOCKWAVE™ screwdriving bits: 16 x 25 mm length 1 x PH1 / 2 x PH2, 1 x PZ1 / 2 x PZ2, 1 x TX10 / 1 x TX15 / 2 x TX20 / 3 x TX25 / 2 x TX30 / 1 x TX40, 21 x 50 mm length 1 x PH1 / 3 x PH2 / 1 x PH3, 1 x PZ1 / 3 x PZ2 / 1 x PZ3, 1 x TX10 / 1 x TX15 / 1 x TX20 / 2 x TX25 / 3 x TX30 / 3 x TX40, 1 x SHOCKWAVE™ magnetic bit holder 60 mm length   | 38            | 6                   | 4932492009     | 4058546413767 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (40 pc)</b><br>SHOCKWAVE™ screwdriving bits: 25 x 25 mm length 1 x PH1 / 2 x PH2, 1 x PZ1 / 3 x PZ2, 2 x TX10 / 2 x TX15 / 3 x TX20 / 2 x TX25 / 2 x TX30 / 1 x TX40 / 1 x TX50, 1 x Hex 4 mm / 1 x Hex 5 mm, 1 x SL 0.6 x 4.5 / 1 x SL 0.8 x 5.5 / 1 x SL 1.2 x 6.5, 8 x 50 mm length 1 x PH2, 1 x PZ1 / 1 x PZ2, 1 x TX10 / 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30, SHOCKWAVE™ magnetic bit holder: 1 x 60 mm length, 1 x 152 mm length, 3 x SHOCKWAVE™ 1/4" Hex drill bits: Ø 3 / 4 / 5 mm, 2 x SHOCKWAVE™ magnetic nut drivers: 48 mm length 1 x Hex 8 mm / 1 x Hex 10 mm | 40            | 6                   | 4932492004     | 4058546413712 |



# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## SHOCKWAVE™ IMPACT DUTY sets

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| <b>SHOCKWAVE™ IMPACT DUTY bit set (48 pc)</b>  |               |                     |                |               |
| SHOCKWAVE™ screwdriving bits: 24 x 25 mm length 1 x PH1 / 3 x PH2 / 1 x PH3, 1 x PZ1 / 3 x PZ2 / 1 x PZ3, 2 x TX10 / 1 x TX15 / 3 x TX20 / 3 x TX25 / 2 x TX30 / 1 x TX40, 1 x Hex 4 mm / 1 x Hex 5 mm.<br>⑧ 16 x 50 mm length 2 x PH2 / 1 x PH3, 2 x PZ2 / 1 x PZ3, 1 x TX10 / 1 x TX15 / 2 x TX20 / 2 x TX25 / 2 x TX30 / 2 x TX40, 4 x 90 mm length 1 x PH2, 1 x PZ2, 1 x TX20 / 1 x TX25. 1 x SHOCKWAVE™ magnetic bit holder 60 mm length. 3 x SHOCKWAVE™ 1/4" Hex multi - material drill bits: Ø 5 / 6 / 8 mm | 48            | 6                   | 4932492005     | 4058546413729 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (56 pc)</b>  |               |                     |                |               |
| SHOCKWAVE™ screwdriving bits: 48 x 25 mm length 2 x PH1 / 3 x PH2 / 1 x PH3, 3 x PZ1 / 4 x PZ2 / 2 x PZ3, 3 x TX10 / 3 x TX15 / 4 x TX20 / 4 x TX25 / 4 x TX30 / 3 x TX40 / 2 x TX50, 2 x Hex 4 mm / 2 x Hex 5 mm, 2 x SL 0.6 x 4.5 / 2 x SL 0.8 x 5.5 / 2 x SL 1.2 x 6.5. 7 x 50 mm length 1 x PH2, 1 x PZ1 / 1 x PZ2, 1 x TX10 / 1 x TX15 / 1 x TX20 / 1 x TX25. 1 x SHOCKWAVE™ magnetic bit holder 60 mm length   | 56            | 6                   | 4932492006     | 4058546413736 |
| <b>SHOCKWAVE™ IMPACT DUTY bit set (70 pc)</b>  |               |                     |                |               |
| SHOCKWAVE™ screwdriving bits: 48 x 25 mm length 1 x PH1 / 2 x PH2, 3 x PZ1 / 24 x PZ2 / 5 x PZ3, 1 x TX10 / 1 x TX15 / 2 x TX20 / 2 x TX25 / 2 x TX30 / 1 x TX40, 2 x Hex 4 mm / 2 x Hex 5 mm. 19 x 50 mm length 1 x PH1 / 3 x PH2, 1 x PZ1 / 5 x PZ2 / 3 x PZ3, 1 x TX20 / 1 x TX25 / 2 x TX30 / 2 x TX40. 2 x SHOCKWAVE™ nut drivers 48 mm length: Hex 8 mm / Hex 10 mm. 1 x SHOCKWAVE™ magnetic bit holder 60 mm length   | 70            | 6                   | 4932492007     | 4058546413743 |
| <b>SHOCKWAVE™ IMPACT DUTY XL TX bit set (75 pc)</b>  |               |                     |                |               |
| SHOCKWAVE™ screwdriving bits: 60 x 25 mm length 1 x PH1 / 2 x PH2, 1 x PZ1 / 3 x PZ2 / 1 x PZ3, 2 x TX10 / 4 x TX15 / 12 x TX20 / 12 x TX25 / 12 x TX30 / 2 x TX40 / 1 x TX50, 1 x TX B07 / 1 x TX B08 / 1 x TX B09 / 1 x TX B010 / 1 x TX B015, 1 x Hex 4 mm / 1 x Hex 5 mm. 12 x 50 mm length 1 x PH2, 1 x PZ1 / 1 x PZ2, 1 x TX10 / 2 x TX15 / 2 x TX20 / 2 x TX25 / 2 x TX30. 2 x SHOCKWAVE™ nut drivers 48 mm length: Hex 8 mm / Hex 10 mm. 1 x SHOCKWAVE™ magnetic bit holder 60 mm length                   | 75            | 6                   | 4932492008     | 4058546413750 |

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## SHOCKWAVE™ IMPACT DUTY locking bit holder

Dual internal magnets ensure magnetism to fasteners.  
Auto-Locking - One handed bit release.  
1/4" Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

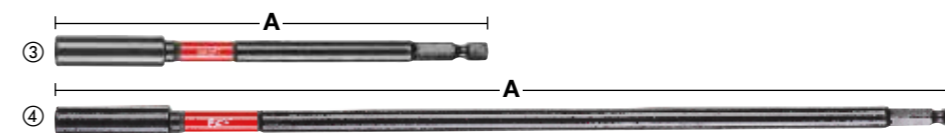
| Description                               | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|---------------|---------------------|----------------|---------------|
| ① Locking bit holder 73 mm                | 73                  | 1             | 1                   | 4932459398     | 4058546010591 |
| ② Locking bit holder 152 mm - long series | 152                 | 1             | 1                   | 4932471824     | 4058546297237 |
| ③ Locking bit holder 305 mm - long series | 305                 | 1             | 1                   | 4932471825     | 4058546297244 |



## SHOCKWAVE™ IMPACT DUTY magnetic bit holder

Custom engineered steel and heat treatment for maximum strength and flexibility.  
Optimised SHOCK ZONE™ absorbs up to 3X more torque for more resistance to shock from impacting.  
Strong magnetic tip for secure grip.  
1/4" Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

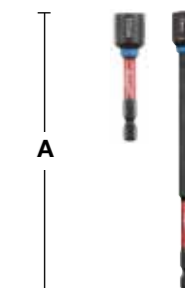
| Description                                   | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|---------------|---------------------|----------------|---------------|
| ① Magnetic bit holder 60 mm                   | 60                  | 1             | 1                   | 4932352406     | 4002395370658 |
| ② Magnetic bit holder 60 mm - jam jar (100pc) | 60                  | 1             | 100                 | 4932430478     | 4002395381395 |
| ③ Magnetic bit holder 152 mm - long series    | 152                 | 1             | 1                   | 4932471822     | 4058546297213 |
| ④ Magnetic bit holder 305 mm - long series    | 305                 | 1             | 1                   | 4932471823     | 4058546297220 |
| Magnetic Bit Holder Drive Guide 75 mm         | 75                  | 1             | 1                   | 4932500395     | 4058546616977 |
| Magnetic Bit Holder Screw Engaging 75 mm      | 75                  | 1             | 1                   | 4932500396     | 4058546616984 |



## SHOCKWAVE™ IMPACT DUTY magnetic nut drivers

Custom engineered steel and heat treatment for maximum strength and extreme durability.  
Strong magnetic tip for secure grip.  
1/4" Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

| Size AF (across flats) (mm)   | For anchor thread size | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|------------------------|-------------------|---------------|---------------------|----------------|---------------|
| 5.5   | M3                     | 65                | 1             | 1                   | 4932492434     | 4058546418014 |
| 6   | M3.5                   | 65                | 1             | 1                   | 4932492435     | 4058546418021 |
| 1/4"  | -                      | 65                | 1             | 1                   | 4932492436     | 4058546418038 |
| 7   | M4                     | 65                | 1             | 1                   | 4932492437     | 4058546418045 |
| 5/16"   | -                      | 65                | 1             | 1                   | 4932492438     | 4058546418052 |
| 8   | M5                     | 65                | 1             | 1                   | 4932492439     | 4058546418069 |
| 8   | M5                     | 150               | 1             | 1                   | 4932492446     | 4058546418137 |
| 3/8"  | -                      | 65                | 1             | 1                   | 4932492440     | 4058546418076 |
| 10  | M6                     | 65                | 1             | 1                   | 4932492441     | 4058546418083 |
| 10  | M6                     | 150               | 1             | 1                   | 4932492447     | 4058546418144 |
| 12  | M7                     | 65                | 1             | 1                   | 4932492442     | 4058546418090 |
| 13  | M8                     | 65                | 1             | 1                   | 4932492443     | 4058546418106 |
| 13  | M8                     | 150               | 1             | 1                   | 4932492448     | 4058546418151 |
| 17  | M10                    | 65                | 1             | 1                   | 4932492444     | 4058546418113 |
| SHOCKWAVE™ IMPACT DUTY magnetic nut driver set (4pc) Ø 7 / 8 / 10 / 13 mm |                        |                   | 4             | 1                   | 4932492445     | 4058546418120 |
| Nut Driver long Set (3) 150 mm size 8,10,13                               |                        |                   | 3             | 1                   | 4932499426     | 4058546565909 |



DESIGNED FOR USE IN **PACKOUT™**

# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## SHOCKWAVE™ Dual Nut Drivers

The Dual SHOCKWAVE™ IMPACT DUTY Nut Drivers features the most durable magnet and 2-in-1 size versatility.

The cleaning mechanism allows fast and easy removal of metal shavings from the magnet to prevent fastener from head stripping.

The Dual Nut Drivers features a powerful magnet that allows a strong fastener engagement.

The optimized SHOCK ZONE™ absorbs peak torque and prevents bit breakage.

Made from heat treated steel to control hardness and extend bit life.

The nut drivers feature two color-coded rings for quick and easy size identification.

Designed for use with impact drivers and drill drivers.



| Size AF (across flats) (mm)        | For anchor thread size | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------------------|------------------------|-------------------|---------------|---------------------|----------------|---------------|
| 7 - 8                              | M4 - M5                | 65                | 1             | 1                   | 4932493343     | 4058546482145 |
| 8 - 10                             | M5 - M6                | 65                | 1             | 1                   | 4932493344     | 4058546482152 |
| 10 - 13                            | M6 - M8                | 65                | 1             | 1                   | 4932493345     | 4058546482169 |
| Dual Nut Driver Set (3)            |                        |                   | 3             | 1                   | 4932493559     | 4058546484309 |
| 1 x 7-8mm, 1 x 8-10mm, 1 x 10-13mm |                        |                   |               |                     |                |               |

## SHOCKWAVE™ IMPACT DUTY socket adaptors - Hex reception

| Description  | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|---------------|---------------------|----------------|---------------|
| ① Socket adaptor: 1/4" Hex - 1/4" square. DIN 3126 - E 6.3                           | 50                  | 1             | 1                   | 4932471826     | 4058546297251 |
| ② Socket adaptor: 1/4" Hex - 3/8" square. DIN 3126 - E 6.3                           | 50                  | 1             | 1                   | 4932478054     | 4058546339876 |
| ③ Socket adaptor: 1/4" Hex - 1/2" square. DIN 3126 - E 6.3                           | 50                  | 1             | 1                   | 4932478803     | 4058546360856 |
| ④ Socket adaptor: 7/16" Hex - 1/2" square  | 70                  | 1             | 1                   | 4932480586     | 4058546408718 |
| SHOCKWAVE™ IMPACT DUTY socket adaptor set (3pc)                                      |                     | 3             | 1                   | 4932479228     | 4058546370220 |
| ⑤ 1 x 1/4" Hex - 1/4" square, 1 x 1/4" Hex - 3/8" square, 1 x 1/4" Hex - 1/2" square |                     |               |                     |                |               |



## SHOCKWAVE™ right angle attachment

The right angle attachment is a useful device for screwdriving or drilling applications in restricted, difficult to reach areas.

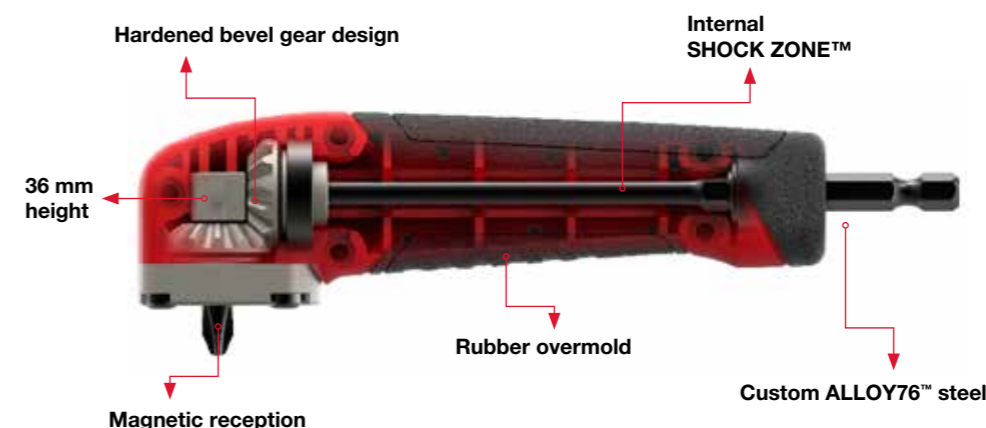
Impact rated: suitable to use with latest 18V impact drivers as well as cordless drill drivers.

Internal SHOCK ZONE™ and advanced gear design for excellent power transmission and impact durability. For all 1/4" Hex driving and drilling accessories.

Very compact design: only 36 mm in height and a true 90° angle to allow access into confined spaces.

Ergonomic rubber overmold for secure and comfortable handling.

Pack contains 1 x right angle attachment and 10 x 25 mm screwdriving bits.



| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| Counter display SHOCKWAVE™ Right Angle Attachment set (11pc)   | 11            | 12                  | 4932471274     | 4058546289027 |
| 1 x Right Angle Attachment, 1 x PH2, 1 x PZ1 / 2 x PZ2 / 1 x PZ3, 1 x TX10 / 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30 |               |                     |                |               |

## SHOCKWAVE™ KNUCKLE™ offset attachment

Impact rated: suitable to use with latest 18V impact drivers as well as cordless drill drivers.

Very compact offset attachment.

Ideally suited to working in confined and limited spaces.

Solid metal construction to absorb impact action.

0° and 30° positions.

1/4" Hex shank fits directly into the chuck preventing slippage.



\* Height when 30° tilted 40 mm

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| Counter display KNUCKLE™ set (11pc)  | 11            | 10                  | 4932459781     | 4058546029531 |
| 1 x KNUCKLE™, 1 x PH1 / 2 x PH2, 1 x PZ1 / 2 x PZ2 / 1 x PZ3, 1 x TX15 / 1 x TX20 / 1 x TX25 |               |                     |                |               |

## OSD2 - Offset screwdriver/ drill angle attachment

The OSD 2 screwdriver / drill angle attachment is the ideal solution for all screwdriving and drilling applications in restricted areas.

1/4" magnetic Hex bit reception accepts both standard 25 mm (C 6.3) and ball end reception (E 6.3), with bit locking mechanism.

Metal gears and housing for smooth and precise running and excellent power transmission.

360° rotatable softgrip side handel for left and right hand use with 4 lock positions.

Two step Hex shaft to fit either 1/4" (6 mm) Hex shaft or 10 mm Hex shaft.

Industrial quality designed for use with all cordless tools in applications up to 40 Nm torque and a maximum of 1750 rpm.

The OSD2 is capable of both drilling and screwdriving applications, offering maximum versatility.

Only 51 mm in height for use in confined spaces.



| Description                                 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① OSD 2                                     | 1             | 1                   | 4932352320     | 4002395369799 |
| ② Counter display<br>6 x OSD 2 (4932352320) | 6             | 1                   | 4932352321     | 4002395369805 |

## Screwdriving Bits



The ribs are cold formed to exact specification ensuring reduced wear from slippage. The tip is subjected to a special hardening process with temperatures up to 870°C.

The outcome is a bit with a hardness of 60 HRC. This extra hard tip ensures extra long life under constant use.

The body is manufactured from the highest quality S2 european steel.

The sign of quality: All bits are laser marked with the MILWAUKEE® logo and tip reception for easy identification.

| Type      | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code   |               |
|-----------|-------------------|---------------|---------------------|----------------|------------|---------------|
| Phillips  | PH 1              | 25            | 25                  | 1              | 4932399586 | 4002395362363 |
|           | PH 2              | 25            | 25                  | 1              | 4932399587 | 4002395362370 |
|           | PH 3              | 25            | 25                  | 1              | 4932399588 | 4002395362387 |
| PoziDrive | PZ 1              | 25            | 25                  | 1              | 4932399589 | 4002395362394 |
|           | PZ 2              | 25            | 25                  | 1              | 4932399590 | 4002395362400 |
|           | PZ 3              | 25            | 25                  | 1              | 4932399591 | 4002395362417 |
| Torx      | TX 10             | 25            | 25                  | 1              | 4932399594 | 4002395362448 |
|           | TX 10             | 25            | 25                  | 10             | 4932500398 | 4058546617004 |
|           | TX 15             | 25            | 25                  | 1              | 4932399595 | 4002395362455 |
|           | TX 20             | 25            | 25                  | 1              | 4932399596 | 4002395362462 |
|           | TX 25             | 25            | 25                  | 1              | 4932399597 | 4002395362479 |
|           | TX 30             | 25            | 25                  | 1              | 4932399599 | 4002395362493 |
|           | TX 40             | 25            | 25                  | 1              | 4932399600 | 4002395362509 |

## Screwdriving bit cassettes

This high quality cassette aimed at the professional user is available in 3 different assortments.

Slimline pocket design: 110 mm x 65 mm x 15 mm.

Secure latch system - easy opening and safe closing.

Extra side compartment accepts either 50 mm screwdriving bits or drill bits.

Front window to protect bits from dust.

High quality screwdriving bits with hardness of 60 HRC and 1/4" Hex reception. 25 mm bits manufactured according to DIN 3126 - C 6.3. 50 mm bits are manufactured according to DIN 3126 - E 6.3.

Magnetic bit holder with quick release clutch.

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| <b>Compact screwdriving bit set (12pc)</b><br>25 mm: SL 0.8 x 5.5 mm x 1. 25 mm: PH 1 x 1 / PH 2 x 2 / PH 3 x 1. 25 mm: PZ 1 x 1 / PZ 2 x 2 / PZ 3 x 1. 50 mm: PH 2 x 1. 50 mm: PZ 2 x 1. Magnetic bit holder with quick release clutch | 12            | 1                   | 4932399513     | 4002395361601 |



## Screwdriving bits sets

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| <b>Screwdriving bit set (27pc)</b><br>Screwdriving bits 25 mm length: PH 1 x 2 / PH 2 x 2 / PH 3 x 1. PZ 1 x 2 / PZ 2 x 4 / PZ 3 x 2. TX 10 x 2 / TX 15 x 3 / TX 20 x 3. TX 25 x 3 / TX 30 x 1 / TX 40 x 1. Magnetic bit holder with quick release clutch. | 27            | 1                   | 4932352747     | 4002395374052 |



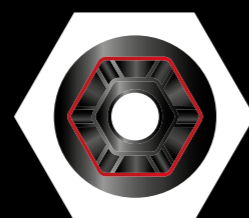
## Magnetic bit holders

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① Magnetic bit holder with quick release clutch, total length 58 mm | 1             | 1                   | 4932373483     | 4002395351060 |
| ② Magnetic bit holder for drywall                                   | 1             | 1                   | 4932430179     | 4002395378401 |



# NEXT GENERATION SHOCKWAVE IMPACT SOCKETS

SHOCKWAVE  
IMPACT DUTY



**6 POINT  
HEX GEOMETRY**



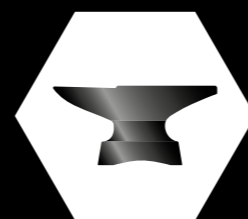
**DUAL HOLE  
DESIGN FOR EASIER  
ATTACHMENT**



**LASER-ETCHED  
LOGO & PART NUMBER**



**STAMPED  
AND INK  
FILLED SIZES**



**FORGED  
HIGH TORQUE  
IMPACT STEEL**



**COLOUR  
BAND  
INK FILLED**

# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## 1/4" SHOCKWAVE™ IMPACT DUTY impact sockets - deep

| A (mm)      | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1/4" square | 4      | 50     | 1.9    | 7.60   | M2                     | 1             | 1                   | 4932480251     | 4058546405366 |
| 1/4" square | 4.5    | 50     | 2.2    | 8      | -                      | 1             | 1                   | 4932480252     | 4058546405373 |
| 1/4" square | 5      | 50     | 2.8    | 8      | M2.5                   | 1             | 1                   | 4932480253     | 4058546405380 |
| 1/4" square | 5.5    | 50     | 2.8    | 8.5    | M3                     | 1             | 1                   | 4932480254     | 4058546405397 |
| 1/4" square | 6      | 50     | 3.1    | 9.6    | M3.5                   | 1             | 1                   | 4932480255     | 4058546405403 |
| 1/4" square | 7      | 50     | 3.6    | 10.8   | M4                     | 1             | 1                   | 4932480256     | 4058546405410 |
| 1/4" square | 8      | 50     | 3.6    | 12     | M5                     | 1             | 1                   | 4932480257     | 4058546405427 |
| 1/4" square | 9      | 50     | 4.1    | 13     | -                      | 1             | 1                   | 4932480258     | 4058546405434 |
| 1/4" square | 10     | 50     | 4.6    | 13.8   | M6                     | 1             | 1                   | 4932480259     | 4058546405441 |
| 1/4" square | 11     | 50     | 5.5    | 13.8   | -                      | 1             | 1                   | 4932480260     | 4058546405458 |
| 1/4" square | 12     | 50     | 6.1    | 14.7   | M7                     | 1             | 1                   | 4932480261     | 4058546405465 |
| 1/4" square | 13     | 50     | 6.8    | 15.7   | M8                     | 1             | 1                   | 4932480262     | 4058546405472 |

### 1/4" SHOCKWAVE™ IMPACT DUTY socket rail set (12pc)

12 x 1/4" sockets: 4 / 4.5 / 5 / 5.5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 and socket rail



## 1/4" SHOCKWAVE™ IMPACT DUTY Foam Inserts

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 1/4" SHOCKWAVE™ IMPACT DUTY Sockets deep  | 17            | 1                   |                |               |
| SHOCKWAVE™ IMPACT DUTY 1/4" deep sockets: 4/4.5/5/5.5/6/7/8/9/10/11/12/13mm, magnetic bit holder 152 mm, magnetic bit holder 305mm, screwdriving bit set 32 pcs, adaptor 1/4" Hex --> 1/4" square, adaptor 1/4" square --> 1/4" Hex, Foam 417x177mm |               |                     | 4932493386     | 4058546482572 |
| Replacement foam for 1/4" deep sockets. Size 417x177mm  | 1             | 1                   | 4932493385     | 4058546482565 |



## Adaptor ShW 1/4" SQ - 1/4" Hex-1pc

Socket adaptor 1/4" square to 1/4" Hex  
Only suitable for screwdriving bits >50mm

| Description                            | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|---------------|---------------------|----------------|---------------|
| Socket adaptor, 1/4" square - 1/4" hex | 45                | 1             | 1                   | 4932493425     | 4058546482961 |

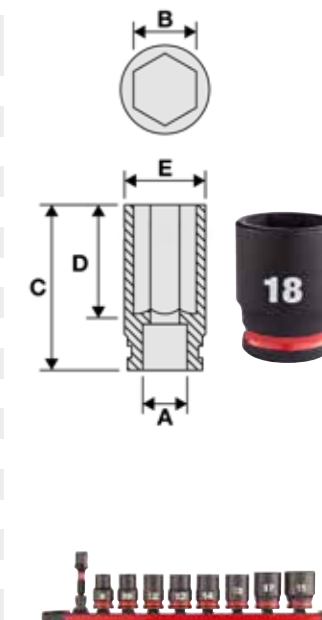


## 3/8" SHOCKWAVE™ IMPACT DUTY impact sockets - standard

| A (mm)      | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 3/8" square | 6      | 32     | 3.1    | 10.5   | M3.5                   | 1             | 1                   | 4932480263     | 4058546405489 |
| 3/8" square | 7      | 32     | 3.1    | 12.6   | M4                     | 1             | 1                   | 4932480264     | 4058546405496 |
| 3/8" square | 8      | 32     | 3.6    | 13.9   | M5                     | 1             | 1                   | 4932480265     | 4058546405502 |
| 3/8" square | 9      | 32     | 4.1    | 14.5   | -                      | 1             | 1                   | 4932480266     | 4058546405519 |
| 3/8" square | 10     | 32     | 4.6    | 15.8   | M6                     | 1             | 1                   | 4932480267     | 4058546405526 |
| 3/8" square | 11     | 32     | 5.5    | 16.9   | -                      | 1             | 1                   | 4932480268     | 4058546405533 |
| 3/8" square | 12     | 32     | 6.1    | 18.2   | M7                     | 1             | 1                   | 4932480269     | 4058546405540 |
| 3/8" square | 13     | 32     | 6.8    | 19.5   | M8                     | 1             | 1                   | 4932480270     | 4058546405557 |
| 3/8" square | 14     | 32     | 8.4    | 20.5   | -                      | 1             | 1                   | 4932480271     | 4058546405564 |
| 3/8" square | 15     | 32     | 8.4    | 21.8   | -                      | 1             | 1                   | 4932480272     | 4058546405571 |
| 3/8" square | 16     | 32     | 9.6    | 23.8   | M10 (ISO)              | 1             | 1                   | 4932480273     | 4058546405588 |
| 3/8" square | 17     | 34     | 9.6    | 24.8   | M10 (DIN)              | 1             | 1                   | 4932480274     | 4058546405595 |
| 3/8" square | 18     | 34     | 10.2   | 25.8   | M12                    | 1             | 1                   | 4932480275     | 4058546405601 |
| 3/8" square | 19     | 34     | 11     | 27.6   | -                      | 1             | 1                   | 4932480276     | 4058546405618 |
| 3/8" square | 20     | 34     | 11     | 27.8   | -                      | 1             | 1                   | 4932480277     | 4058546405625 |
| 3/8" square | 21     | 34     | 11.7   | 29.8   | M14                    | 1             | 1                   | 4932480278     | 4058546405632 |
| 3/8" square | 22     | 34     | 12.5   | 31.6   | -                      | 1             | 1                   | 4932480279     | 4058546405649 |

### 3/8" SHOCKWAVE™ IMPACT DUTY socket standard rail set (9pc)

8 x impact standard sockets: 8 / 10 / 12 / 13 / 14 / 15 / 17 / 19 mm and socket rail



## 3/8" SHOCKWAVE™ IMPACT DUTY impact sockets - deep

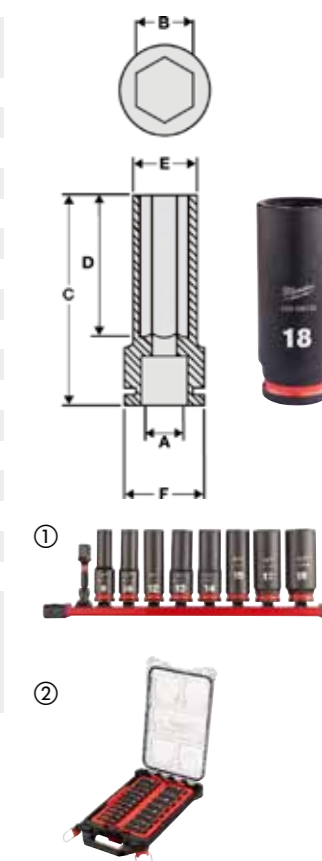
| A (mm)      | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 3/8" square | 6      | 65     | 3.1    | 10.5   | M3.5                   | 1             | 1                   | 4932480280     | 4058546405656 |
| 3/8" square | 7      | 65     | 3.6    | 12.6   | M4                     | 1             | 1                   | 4932480281     | 4058546405663 |
| 3/8" square | 8      | 65     | 3.6    | 13.9   | M5                     | 1             | 1                   | 4932480282     | 4058546405670 |
| 3/8" square | 9      | 65     | 4.1    | 14.5   | -                      | 1             | 1                   | 4932480283     | 4058546405687 |
| 3/8" square | 10     | 65     | 4.6    | 15.8   | M6                     | 1             | 1                   | 4932480284     | 4058546405694 |
| 3/8" square | 11     | 65     | 5.5    | 16.9   | -                      | 1             | 1                   | 4932480285     | 4058546405700 |
| 3/8" square | 12     | 65     | 6.1    | 18.8   | M7                     | 1             | 1                   | 4932480286     | 4058546405717 |
| 3/8" square | 13     | 65     | 6.8    | 19.5   | M8                     | 1             | 1                   | 4932480287     | 4058546405724 |
| 3/8" square | 14     | 65     | 8.4    | 20.5   | -                      | 1             | 1                   | 4932480288     | 4058546405731 |
| 3/8" square | 15     | 65     | 8.4    | 21.8   | -                      | 1             | 1                   | 4932480289     | 4058546405748 |
| 3/8" square | 16     | 65     | 9.6    | 23.8   | M10 (ISO)              | 1             | 1                   | 4932480290     | 4058546405755 |
| 3/8" square | 17     | 65     | 9.6    | 24.8   | M10 (DIN)              | 1             | 1                   | 4932480291     | 4058546405762 |
| 3/8" square | 18     | 65     | 10.2   | 25.8   | M12                    | 1             | 1                   | 4932480292     | 4058546405779 |
| 3/8" square | 19     | 65     | 11     | 27.6   | -                      | 1             | 1                   | 4932480293     | 4058546405786 |
| 3/8" square | 20     | 65     | 11     | 27.8   | -                      | 1             | 1                   | 4932480294     | 4058546405793 |
| 3/8" square | 21     | 65     | 11.7   | 29.8   | M14                    | 1             | 1                   | 4932480295     | 4058546405809 |
| 3/8" square | 22     | 65     | 12.5   | 31.6   | -                      | 1             | 1                   | 4932480296     | 4058546405816 |

### 3/8" SHOCKWAVE™ IMPACT DUTY socket deep rail set (9pc)

8 x impact deep sockets: 8 / 10 / 12 / 13 / 14 / 15 / 17 / 19 mm and socket rail

### 3/8" PACKOUT™ SHOCKWAVE™ IMPACT DUTY socket set (19pc)

19 x 3/8" Impact sockets deep: 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 mm, 1 x 4932471065 PACKOUT™ slim organizer



# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

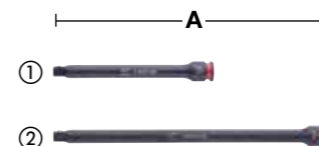
## 3/8" SHOCKWAVE™ IMPACT DUTY Foam Inserts

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 3/8" sockets STD foam set (23pc)  | 23            | 1                   |                |               |
| ① SHOCKWAVE™ IMPACT DUTY 3/8" STD sockets: 6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22mm, extension - 150mm, extension - 250mm, adaptor 3/8" square --> 1/4" square, adaptor 3/8" square --> 1/2" square, 3/8" swivel, adaptor 3/8" square --> 1/4" Hex, Foam 417x177mm  |               |                     | 4932493388     | 4058546482596 |
| 3/8" Sockets deep foam set (23pc)   | 23            | 1                   |                |               |
| ② SHOCKWAVE™ IMPACT DUTY 3/8" deep sockets: 6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22mm, extension - 150mm, extension - 250mm, adaptor 3/8" square --> 1/4" square, adaptor 3/8" square --> 1/2" square, swivel 3/8", adaptor 3/8" square --> 1/4" Hex, Foam 417x177mm |               |                     | 4932493390     | 4058546482619 |
| Replacement foam for 3/8" STD sockets. Size 417x177mm   | 1             | 1                   | 4932493387     | 4058546482589 |
| Replacement foam for 3/8" deep sockets. Size 417x177mm  | 1             | 1                   | 4932493389     | 4058546482602 |



## 3/8" impact sockets - extensions

| Description               | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|-------------------|---------------|---------------------|----------------|---------------|
| ① 3/8" extension - 150 mm | 150               | 1             | 1                   | 4932480297     | 4058546405823 |
| ② 3/8" extension - 250 mm | 250               | 1             | 1                   | 4932480298     | 4058546405830 |



## 3/8" impact sockets - adaptors

| Description                                 | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-------------------|---------------|---------------------|----------------|---------------|
| ① Socket adaptor. 3/8" square - 1/4" square | 28                | 1             | 1                   | 4932480299     | 4058546405847 |
| ② Socket adaptor. 3/8" square - 1/2" square | 37                | 1             | 1                   | 4932480300     | 4058546405854 |
| ③ Socket adaptor. 3/8" square - 1/4" hex    | 50                | 1             | 1                   | 4932493426     | 4058546482978 |



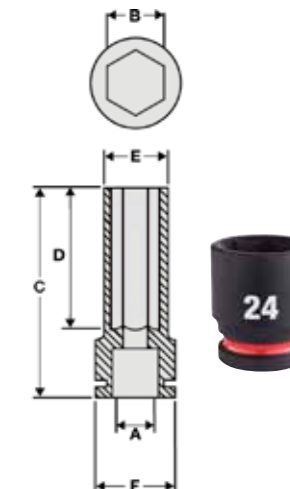
## 3/8" impact sockets - swivel joint

| Description                 | Angle capacity | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------|----------------|---------------|---------------------|----------------|---------------|
| 3/8" universal swivel joint | 15°            | 1             | 1                   | 4932480301     | 4058546405861 |



## 1/2" SHOCKWAVE™ IMPACT DUTY impact sockets - standard

| A  | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1/2" square  | 8      | 38     | 4.2    | 15.0   | M5                     | 1             | 1                   | 4932480302     | 4058546405878 |
| 1/2" square  | 9      | 38     | 4.5    | 16.3   | -                      | 1             | 1                   | 4932480303     | 4058546405885 |
| 1/2" square  | 10     | 38     | 4.6    | 17.5   | M6                     | 1             | 1                   | 4932480304     | 4058546405892 |
| 1/2" square  | 11     | 38     | 5.5    | 18.0   | -                      | 1             | 1                   | 4932480305     | 4058546405908 |
| 1/2" square  | 12     | 38     | 6.1    | 19.0   | M7                     | 1             | 1                   | 4932480306     | 4058546405915 |
| 1/2" square  | 13     | 38     | 6.8    | 20.0   | M8                     | 1             | 1                   | 4932480307     | 4058546405922 |
| 1/2" square  | 14     | 38     | 8.4    | 22.0   | -                      | 1             | 1                   | 4932480308     | 4058546405939 |
| 1/2" square  | 15     | 38     | 8.4    | 23.0   | -                      | 1             | 1                   | 4932480309     | 4058546405946 |
| 1/2" square  | 16     | 38     | 9.6    | 24.0   | M10 (ISO)              | 1             | 1                   | 4932480310     | 4058546405953 |
| 1/2" square  | 17     | 38     | 9.6    | 26.2   | M10 (DIN)              | 1             | 1                   | 4932480311     | 4058546405960 |
| 1/2" square  | 18     | 38     | 10.2   | 27.5   | M12                    | 1             | 1                   | 4932480312     | 4058546405977 |
| 1/2" square  | 19     | 38     | 11.1   | 28.5   | -                      | 1             | 1                   | 4932480313     | 4058546405984 |
| 1/2" square  | 20     | 38     | 11.5   | 29.2   | -                      | 1             | 1                   | 4932480314     | 4058546405991 |
| 1/2" square  | 21     | 38     | 11.7   | 30.0   | M14                    | 1             | 1                   | 4932480315     | 4058546406004 |
| 1/2" square  | 22     | 38     | 12.5   | 31.8   | -                      | 1             | 1                   | 4932480316     | 4058546406011 |
| 1/2" square  | 23     | 40     | 12.7   | 33.8   | -                      | 1             | 1                   | 4932480317     | 4058546406028 |
| 1/2" square  | 24     | 40     | 13.9   | 34.2   | M16                    | 1             | 1                   | 4932480318     | 4058546406035 |
| 1/2" square  | 25     | 42     | 14.0   | 35.8   | -                      | 1             | 1                   | 4932480319     | 4058546406042 |
| 1/2" square  | 26     | 42     | 14.6   | 37.0   | -                      | 1             | 1                   | 4932480320     | 4058546406059 |
| 1/2" square  | 27     | 42     | 15.0   | 38.2   | M18                    | 1             | 1                   | 4932480321     | 4058546406066 |
| 1/2" square  | 28     | 42     | 15.4   | 38.8   | -                      | 1             | 1                   | 4932480322     | 4058546406073 |
| 1/2" square  | 29     | 42     | 16.7   | 42.0   | -                      | 1             | 1                   | 4932480323     | 4058546406080 |
| 1/2" square  | 30     | 44     | 16.7   | 42.8   | M20                    | 1             | 1                   | 4932480324     | 4058546406097 |
| 1/2" square  | 31     | 43     | 25     | 43.8   | -                      | 1             | 1                   | 4932500298     | 4058546616007 |
| 1/2" square  | 32     | 44     | 18.3   | 43.8   | M22                    | 1             | 1                   | 4932480325     | 4058546406103 |
| 1/2" square  | 33     | 43     | 25     | 46.8   | -                      | 1             | 1                   | 4932500299     | 4058546616014 |
| 1/2" square  | 34     | 47     | 29     | 46.8   | -                      | 1             | 1                   | 4932500300     | 4058546616021 |
| 1/2" square  | 35     | 47     | 29     | 49.8   | -                      | 1             | 1                   | 4932500301     | 4058546616038 |
| 1/2" square  | 36     | 47     | 29     | 50     | -                      | 1             | 1                   | 4932500302     | 4058546616045 |
| <b>1/2" SHOCKWAVE™ IMPACT DUTY socket set STD (13pc)</b>   |        |        |        |        |                        | 13            | 1                   | 4932480456     | 4058546407414 |
| 10 x STD sockets: 10,12,13,14,15,17,19,21,22,24, 1 x universal joint 15°, 1 x adaptor 1/4" Hex - 1/2" square, 1 x extension 150 mm |        |        |        |        |                        |               |                     |                |               |



## 1/2" SHOCKWAVE™ IMPACT DUTY automotive impact sockets

Colour coded for easy identification.  
Made from high quality alloy steel for strength and durability.  
The lug nut sockets are thin-walled for easy access in tight wheel assemblies.  
Supplied on a magnetic rail.

| A (mm)   | B (mm) | C (mm) | D (mm) | E (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |               |
|--|--------|--------|--------|--------|---------------|---------------------|----------------|---------------|---------------|
| 1/2" square  | 17     | 80     | 12     | 27     | 1             | 1                   | 4932493371     | 4058546482428 |               |
| 1/2" square  | 19     | 80     | 12     | 29     | 1             | 1                   | 4932493372     | 4058546482435 |               |
| 1/2" square  | 21     | 80     | 12     | 31     | 1             | 1                   | 4932493373     | 4058546482442 |               |
| 1/2" square  | 22     | 80     | 12     | 33     | 1             | 1                   | 4932493374     | 4058546482459 |               |
| <b>Hex Socket ShW 1/2" Auto Set-3pc</b>                          |        |        |        |        |               | 3                   | 1              | 4932493370    | 4058546482411 |
| 1/2" Automotive Hex Sockets 17/19/21 supplied on a magnetic rail |        |        |        |        |               |                     |                |               |               |



# SHOCKWAVE™ IMPACT DUTY



# SHOCKWAVE™ IMPACT DUTY



## 1/2" SHOCKWAVE™ IMPACT DUTY impact sockets - deep

| A (mm)  | B (mm)   | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |  |
|---|--|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|--|
| 1/2" square   | 8  | 78     | 4.2    | 15.0   | M5                     | 1             | 1                   | 4932480326     | 4058546406110 |  |
| 1/2" square   | 9  | 78     | 4.2    | 16.3   | -                      | 1             | 1                   | 4932480327     | 4058546406127 |  |
| 1/2" square   | 10   | 78     | 4.8    | 17.5   | M6                     | 1             | 1                   | 4932480328     | 4058546406134 |  |
| 1/2" square   | 11   | 78     | 5.5    | 18.0   | -                      | 1             | 1                   | 4932480329     | 4058546406141 |  |
| 1/2" square   | 12   | 78     | 6.1    | 19.0   | M7                     | 1             | 1                   | 4932480330     | 4058546406158 |  |
| 1/2" square   | 13   | 78     | 6.8    | 20.0   | M8                     | 1             | 1                   | 4932480331     | 4058546406165 |  |
| 1/2" square   | 14   | 78     | 8.4    | 22.0   | -                      | 1             | 1                   | 4932480332     | 4058546406172 |  |
| 1/2" square   | 15   | 78     | 8.4    | 23.0   | -                      | 1             | 1                   | 4932480333     | 4058546406189 |  |
| 1/2" square   | 16   | 78     | 9.8    | 24.0   | M10 (ISO)              | 1             | 1                   | 4932480334     | 4058546406196 |  |
| 1/2" square   | 17   | 78     | 9.8    | 26.2   | M10 (DIN)              | 1             | 1                   | 4932480335     | 4058546406202 |  |
| 1/2" square   | 18   | 78     | 10.2   | 27.0   | M12                    | 1             | 1                   | 4932480336     | 4058546406219 |  |
| 1/2" square   | 19   | 78     | 11.1   | 28.0   | -                      | 1             | 1                   | 4932480337     | 4058546406226 |  |
| 1/2" square   | 20   | 78     | 11.5   | 29.3   | -                      | 1             | 1                   | 4932480338     | 4058546406233 |  |
| 1/2" square   | 21   | 78     | 11.7   | 30.0   | M14                    | 1             | 1                   | 4932480339     | 4058546406240 |  |
| 1/2" square   | 22   | 78     | 12.5   | 31.3   | -                      | 1             | 1                   | 4932480340     | 4058546406257 |  |
| 1/2" square   | 23   | 78     | 12.7   | 33.8   | -                      | 1             | 1                   | 4932480341     | 4058546406264 |  |
| 1/2" square   | 24   | 78     | 13.9   | 34.2   | M16                    | 1             | 1                   | 4932480342     | 4058546406271 |  |
| 1/2" square   | 25   | 78     | 14.0   | 35.8   | -                      | 1             | 1                   | 4932480343     | 4058546406288 |  |
| 1/2" square   | 26   | 78     | 14.8   | 37.0   | -                      | 1             | 1                   | 4932480344     | 4058546406295 |  |
| 1/2" square   | 27   | 78     | 15.8   | 38.2   | M18                    | 1             | 1                   | 4932480345     | 4058546406301 |  |
| 1/2" square   | 28   | 78     | 15.8   | 39.2   | -                      | 1             | 1                   | 4932480346     | 4058546406318 |  |
| 1/2" square   | 29   | 78     | 15.8   | 42.0   | -                      | 1             | 1                   | 4932480347     | 4058546406325 |  |
| 1/2" square   | 30   | 78     | 15.8   | 42.9   | M20                    | 1             | 1                   | 4932480348     | 4058546406332 |  |
| 1/2" square   | 32   | 78     | 18.1   | 43.5   | M22                    | 1             | 1                   | 4932480349     | 4058546406349 |  |
| 1/2" square   | 33   | 78     | 47     | 45.3   | -                      | 1             | 1                   | 4932480350     | 4058546406356 |  |
| 1/2" square   | 36   | 78     | 20.0   | 50.0   | M24                    | 1             | 1                   | 4932480351     | 4058546406363 |  |
| <b>1/2" SHOCKWAVE™ IMPACT DUTY deep socket set (10pc)</b>     |  |        |        |        |                        |               |                     |                |               |  |
| ①   | 10 x deep sockets: 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 mm   |        |        |        |                        | 10            | 1                   | 4932480457     | 4058546407421 |  |
| <b>1/2" PACKOUT™ SHOCKWAVE™ IMPACT DUTY socket set (16pc)</b> |  |        |        |        |                        |               |                     |                |               |  |
| ②   | 16 x 1/2" Impact sockets deep: 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 75 mm extension, 1 x 4932464083 PACKOUT™ compact organizer |        |        |        |                        | 16            | 1                   | 4932480943     | 4058546412289 |  |



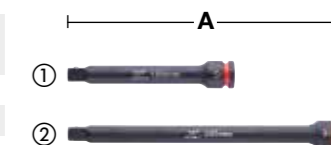
## 1/2" SHOCKWAVE™ IMPACT DUTY Foam Inserts

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| <b>1/2" Sockets STD foam set (32pc)</b>   | 32            | 1                   |                |               |
| ① SHOCKWAVE™ IMPACT DUTY 1/2" STD socket: 8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/32mm, Automotive Set 1/2": 17/19/21mm, extension - 150mm, extension - 250mm, adaptor 1/2" square --> 3/8" square, adaptor 1/2" square --> 3/4" square, 1/2" swivel, Foam with plastic base 417x536mm         |               |                     | 4932493392     | 4058546482633 |
| <b>1/2" Sockets deep foam set (34pc)</b>  | 34            | 1                   |                |               |
| ② SHOCKWAVE™ IMPACT DUTY 1/2" deep Sockets: 8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/32/33/36mm, Automotive Set 1/2": 17/19/21mm, extension - 150mm, extension - 250mm, adaptor 1/2" square --> 3/8" square, adaptor 1/2" square --> 3/4" square, 1/2" Swivel, Foam with plastic base 417x536mm |               |                     | 4932493394     | 4058546482657 |
| Replacement foam with plastic base for 1/2" STD sockets. Size 417x536mm   | 1             | 1                   | 4932493391     | 4058546482626 |
| Replacement foam with plastic base for 1/2" deep sockets. Size 417x536mm  | 1             | 1                   | 4932493393     | 4058546482640 |



## 1/2" impact sockets - extensions

| Description               | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|-------------------|---------------|---------------------|----------------|---------------|
| ① 1/2" extension - 150 mm | 150               | 1             | 1                   | 4932480352     | 4058546406370 |
| ② 1/2" extension - 250 mm | 250               | 1             | 1                   | 4932480353     | 4058546406387 |



## 1/2" impact sockets - reducers

| Description  | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|-------------------|---------------|---------------------|----------------|---------------|
| ① Socket adaptor. 1/2" square - 3/8" square                            | 38                | 1             | 1                   | 4932480354     | 4058546406394 |
| ② Socket adaptor. 1/2" square - 3/4" square                            | 48                | 1             | 1                   | 4932480355     | 4058546406400 |
| ③ Socket adaptor: 1/2" square - 1/4" Hex. To accept screwdriving bits  | 50                | 1             | 1                   | 4932471828     | 4058546297275 |
| ④ 1/2" SHOCKWAVE™ IMPACT DUTY adaptor set (4pc)                        |                   | 4             | 1                   | 4932480356     | 4058546406417 |
| 4 adaptors: 3/8"SQ-1/4"SQ, 3/8"SQ-1/2"SQ, 1/2"SQ-3/8"SQ, 1/2"SQ-3/4"SQ |                   |               |                     |                |               |



## 1/2" SHOCKWAVE™ IMPACT DUTY universal joint

| Description                                 | Angle capacity | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|----------------|---------------|---------------------|----------------|---------------|
| 1/2" SHOCKWAVE™ IMPACT DUTY universal joint | 15°            | 1             | 1                   | 4932480357     | 4058546406424 |



## 1/2" impact TX bit sockets

One-piece design TX bit and socket with 1/2" internal square drive reception according to DIN 3121 / ISO 1174-2. Suitable for higher torque fastening applications, fits directly onto 1/2" impact tools.

| Description                 | Tool reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------|----------------|---------------|---------------------|----------------|---------------|
| TX30 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478059     | 4058546339920 |
| TX40 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478060     | 4058546339937 |
| TX45 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478061     | 4058546339944 |
| TX50 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478062     | 4058546339951 |



## 1/2" impact HEX bit sockets

One-piece design HEX bit and socket with 1/2" internal square drive reception according to DIN 3121 / ISO 1174-2. Suitable for higher torque fastening applications, fits directly onto 1/2" impact tools.

| Description                  | Tool reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------------|----------------|---------------|---------------------|----------------|---------------|
| HEX5 1/2" impact bit socket  | 1/2" square    | 1             | 1                   | 4932478063     | 4058546339968 |
| HEX6 1/2" impact bit socket  | 1/2" square    | 1             | 1                   | 4932478064     | 4058546339975 |
| HEX8 1/2" impact bit socket  | 1/2" square    | 1             | 1                   | 4932478065     | 4058546339982 |
| HEX10 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478066     | 4058546339999 |
| HEX12 1/2" impact bit socket | 1/2" square    | 1             | 1                   | 4932478067     | 4058546340001 |

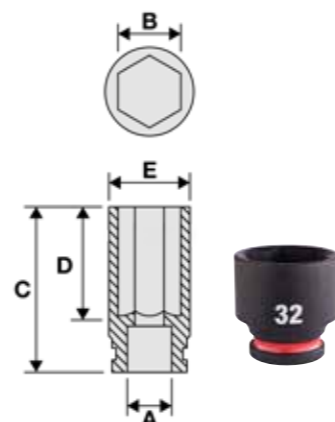


# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## 3/4" SHOCKWAVE™ IMPACT DUTY impact sockets - standard

| A (mm)      | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1/2" square | 17     | 53     | 9.6    | 30     | M10 (DIN)              | 1             | 1                   | 4932480361     | 4058546406462 |
| 1/2" square | 19     | 53     | 11.1   | 33     | -                      | 1             | 1                   | 4932480362     | 4058546406479 |
| 1/2" square | 21     | 53     | 11.7   | 35     | M14                    | 1             | 1                   | 4932480363     | 4058546406486 |
| 1/2" square | 22     | 53     | 12.5   | 36     | -                      | 1             | 1                   | 4932480364     | 4058546406493 |
| 1/2" square | 23     | 53     | 12.7   | 37.6   | -                      | 1             | 1                   | 4932480365     | 4058546406509 |
| 1/2" square | 24     | 53     | 13.9   | 38     | M16                    | 1             | 1                   | 4932480366     | 4058546406516 |
| 1/2" square | 27     | 53     | 15.8   | 41     | M18                    | 1             | 1                   | 4932480367     | 4058546406523 |
| 1/2" square | 30     | 53     | 16.7   | 46     | M20                    | 1             | 1                   | 4932480368     | 4058546406530 |
| 1/2" square | 32     | 57     | 18.3   | 48     | M22                    | 1             | 1                   | 4932480369     | 4058546406547 |
| 1/2" square | 33     | 57     | 19.1   | 50     | -                      | 1             | 1                   | 4932480370     | 4058546406554 |
| 1/2" square | 34     | 57     | 20     | 51     | -                      | 1             | 1                   | 4932480371     | 4058546406561 |
| 1/2" square | 36     | 57     | 22.3   | 53.5   | M24                    | 1             | 1                   | 4932480372     | 4058546406578 |
| 1/2" square | 38     | 57     | 22.3   | 58     | -                      | 1             | 1                   | 4932480373     | 4058546406585 |
| 1/2" square | 39     | 57     | 21.5   | 58     | -                      | 1             | 1                   | 4932480374     | 4058546406592 |
| 1/2" square | 41     | 58     | 24.9   | 59.5   | M27                    | 1             | 1                   | 4932480375     | 4058546406608 |
| 1/2" square | 46     | 62     | 28.6   | 66.2   | M30                    | 1             | 1                   | 4932480376     | 4058546406615 |
| 1/2" square | 50     | 65     | 29.8   | 66.2   | M33                    | 1             | 1                   | 4932480377     | 4058546406622 |



## 3/4" Socket Set

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① 3/4" Socket Set STD - 5 pc<br>3/4" STD socket: 27,30,32,33,36 + safety ring + blow molded BMC   | 5             | 1                   | 4932498749     | 4058546526184 |
| ② 3/4" Socket Set deep - 5 pc<br>3/4" deep socket: 27,30,32,33,36 + safety ring + blow molded BMC | 5             | 1                   | 4932498750     | 4058546526191 |



## 3/4" SHOCKWAVE™ IMPACT DUTY impact sockets - deep

| A (mm)      | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1/2" square | 17     | 90     | 9.6    | 30     | M10 (DIN)              | 1             | 1                   | 4932480378     | 4058546406639 |
| 1/2" square | 19     | 90     | 11.1   | 33     | -                      | 1             | 1                   | 4932480379     | 4058546406646 |
| 1/2" square | 21     | 90     | 11.7   | 35     | M14                    | 1             | 1                   | 4932480380     | 4058546406653 |
| 1/2" square | 22     | 90     | 12.5   | 36     | -                      | 1             | 1                   | 4932480381     | 4058546406660 |
| 1/2" square | 23     | 90     | 12.7   | 37.6   | -                      | 1             | 1                   | 4932480382     | 4058546406677 |
| 1/2" square | 24     | 90     | 13.9   | 38     | M16                    | 1             | 1                   | 4932480383     | 4058546406684 |
| 1/2" square | 25     | 90     | 14     | 40.5   | -                      | 1             | 1                   | 4932480384     | 4058546406691 |
| 1/2" square | 26     | 90     | 14.6   | 40.8   | -                      | 1             | 1                   | 4932480385     | 4058546406707 |
| 1/2" square | 27     | 90     | 15.8   | 41     | M18                    | 1             | 1                   | 4932480386     | 4058546406714 |
| 1/2" square | 28     | 90     | 16.3   | 45.2   | -                      | 1             | 1                   | 4932480387     | 4058546406721 |
| 1/2" square | 29     | 90     | 16.7   | 46     | -                      | 1             | 1                   | 4932480388     | 4058546406738 |
| 1/2" square | 30     | 90     | 16.7   | 46     | M20                    | 1             | 1                   | 4932480389     | 4058546406745 |
| 1/2" square | 31     | 90     | 17.8   | 47     | -                      | 1             | 1                   | 4932480390     | 4058546406752 |
| 1/2" square | 32     | 90     | 18.3   | 48     | M22                    | 1             | 1                   | 4932480391     | 4058546406769 |
| 1/2" square | 33     | 90     | 19.1   | 50     | -                      | 1             | 1                   | 4932480392     | 4058546406776 |
| 1/2" square | 34     | 90     | 20     | 51     | -                      | 1             | 1                   | 4932480393     | 4058546406783 |
| 1/2" square | 35     | 90     | 20.1   | 52     | -                      | 1             | 1                   | 4932480394     | 4058546406790 |
| 1/2" square | 36     | 90     | 22.3   | 53.5   | M24                    | 1             | 1                   | 4932480395     | 4058546406806 |
| 1/2" square | 37     | 90     | 20.4   | 54.8   | -                      | 1             | 1                   | 4932480396     | 4058546406813 |
| 1/2" square | 38     | 90     | 22.3   | 58     | -                      | 1             | 1                   | 4932480397     | 4058546406820 |
| 1/2" square | 39     | 90     | 21.5   | 58     | -                      | 1             | 1                   | 4932480398     | 4058546406837 |
| 1/2" square | 40     | 90     | 22.8   | 59.5   | -                      | 1             | 1                   | 4932480399     | 4058546406844 |
| 1/2" square | 41     | 90     | 24.9   | 59.5   | M27                    | 1             | 1                   | 4932480400     | 4058546406851 |
| 1/2" square | 46     | 90     | 28.6   | 66.2   | M30                    | 1             | 1                   | 4932480401     | 4058546406868 |
| 1/2" square | 50     | 90     | 29.8   | 72     | M33                    | 1             | 1                   | 4932480402     | 4058546406875 |



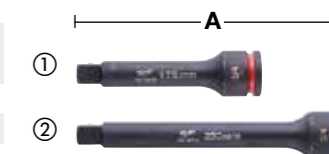
## 3/4" SHOCKWAVE™ IMPACT DUTY Foam Inserts

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 3/4" Sockets STD foam set (12pc)  | 12            | 1                   |                |               |
| ① SHOCKWAVE™ IMPACT DUTY 3/4" STD sockets: 22/24/27/30/32/33/36mm, extension 150mm, extension 250mm, adaptor 3/4" square --> 1/2" square, 3/4" swivel, adaptor 3/4" square --> 1" square, Foam with plastic base 417x355mm  | 12            | 1                   | 4932493396     | 4058546482671 |
| 3/4" Sockets deep foam set 1-12pc   | 12            | 1                   |                |               |
| ② SHOCKWAVE™ IMPACT DUTY 3/4" deep sockets: 22/24/27/30/32/33/36mm, extension 150mm, extension 250mm, adaptor 3/4" square --> 1/2" square, 3/4" swivel, adaptor 3/4" square --> 1" square, Foam with plastic base 417x355mm | 12            | 1                   | 4932493398     | 4058546482695 |
| Replacement foam with plastic base for 3/4" STD sockets. Size 417x355mm   | 1             | 1                   | 4932493395     | 4058546482664 |
| Replacement foam with plastic base for 3/4" deep sockets. Size 417x355mm  | 1             | 1                   | 4932493397     | 4058546482688 |



## 3/4" impact sockets - extensions

| Description               | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|-------------------|---------------|---------------------|----------------|---------------|
| ① 3/4" extension - 175 mm | 175               | 1             | 1                   | 4932480403     | 4058546406882 |
| ② 3/4" extension - 250 mm | 250               | 1             | 1                   | 4932480404     | 4058546406899 |



# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

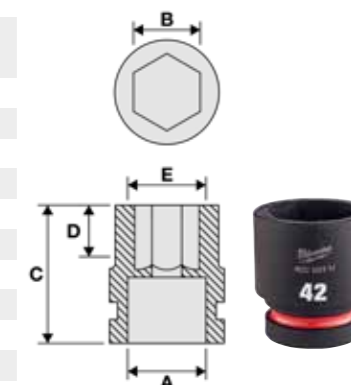
## 3/4" impact sockets - adaptors

| Description                                   | Total length (mm) A | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------------|---------------|---------------------|----------------|---------------|
| ① 3/4" to 1/2" SHOCKWAVE™ IMPACT DUTY adaptor | 56.6                | 1             | 1                   | 4932480405     | 4058546406905 |
| ② 3/4" to 1" SHOCKWAVE™ IMPACT DUTY adaptor   | 63                  | 1             | 1                   | 4932480406     | 4058546406912 |



## 1" SHOCKWAVE™ IMPACT DUTY impact sockets - standard

| A (mm)    | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1" square | 27     | 58     | 15.8   | 45.2   | M18                    | 1             | 1                   | 4932480408     | 4058546406936 |
| 1" square | 30     | 62     | 16.7   | 49     | M20                    | 1             | 1                   | 4932480409     | 4058546406943 |
| 1" square | 32     | 62     | 18.3   | 52     | M22                    | 1             | 1                   | 4932480410     | 4058546406950 |
| 1" square | 33     | 62     | 19.1   | 54     | -                      | 1             | 1                   | 4932480411     | 4058546406967 |
| 1" square | 34     | 62     | 20     | 54     | -                      | 1             | 1                   | 4932480412     | 4058546406974 |
| 1" square | 36     | 65     | 22.3   | 55.3   | M24                    | 1             | 1                   | 4932480413     | 4058546406981 |
| 1" square | 38     | 65     | 22.3   | 58     | -                      | 1             | 1                   | 4932480414     | 4058546406998 |
| 1" square | 41     | 70     | 24.9   | 61     | M27                    | 1             | 1                   | 4932480416     | 4058546407018 |
| 1" square | 42     | 70     | 25.4   | 64     | -                      | 1             | 1                   | 4932480417     | 4058546407025 |
| 1" square | 44     | 75     | 28.6   | 68     | -                      | 1             | 1                   | 4932480950     | 4058546412357 |
| 1" square | 46     | 75     | 28.6   | 68     | M30                    | 1             | 1                   | 4932480418     | 4058546407032 |
| 1" square | 50     | 75     | 29.8   | 73     | M33                    | 1             | 1                   | 4932480419     | 4058546407049 |
| 1" square | 55     | 83     | 33.6   | 82     | M36                    | 1             | 1                   | 4932480420     | 4058546407056 |
| 1" square | 60     | 87     | 35     | 86     | M39                    | 1             | 1                   | 4932480421     | 4058546407063 |
| 1" square | 65     | 90     | 35     | 92     | M42                    | 1             | 1                   | 4932480422     | 4058546407070 |
| 1" square | 70     | 93     | 35     | 97     | M45                    | 1             | 1                   | 4932480423     | 4058546407087 |



## 3/4" SHOCKWAVE™ IMPACT DUTY universal joint

| Description                                 | Angle capacity | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|----------------|---------------|---------------------|----------------|---------------|
| 3/4" SHOCKWAVE™ IMPACT DUTY universal joint | 25°            | 1             | 1                   | 4932480407     | 4058546406929 |



## 3/4" impact sockets - security retaining ring

| Description                                   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 3/4" impact sockets - security retaining ring | 1             | 1                   | 4932480450     | 4058546407353 |



# SHOCKWAVE™ IMPACT DUTY

# SHOCKWAVE™ IMPACT DUTY

## 1" SHOCKWAVE™ IMPACT DUTY impact sockets - deep

| A (mm)    | B (mm) | C (mm) | D (mm) | E (mm) | For anchor thread size | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------|--------|--------|--------|--------|------------------------|---------------|---------------------|----------------|---------------|
| 1" square | 27     | 92     | 15.8   | 45.2   | M18                    | 1             | 1                   | 4932480424     | 4058546407094 |
| 1" square | 30     | 92     | 16.7   | 49     | M20                    | 1             | 1                   | 4932480425     | 4058546407100 |
| 1" square | 32     | 92     | 18.3   | 52     | M22                    | 1             | 1                   | 4932480426     | 4058546407117 |
| 1" square | 33     | 92     | 19.1   | 54     | -                      | 1             | 1                   | 4932480427     | 4058546407124 |
| 1" square | 34     | 92     | 20     | 54     | -                      | 1             | 1                   | 4932480428     | 4058546407131 |
| 1" square | 36     | 92     | 22.3   | 55.3   | M24                    | 1             | 1                   | 4932480429     | 4058546407148 |
| 1" square | 38     | 92     | 22.3   | 58     | -                      | 1             | 1                   | 4932480430     | 4058546407155 |
| 1" square | 39     | 92     | 22.8   | 59     | -                      | 1             | 1                   | 4932480431     | 4058546407162 |
| 1" square | 41     | 100    | 24.9   | 61     | M27                    | 1             | 1                   | 4932480432     | 4058546407179 |
| 1" square | 46     | 100    | 28.6   | 68     | M30                    | 1             | 1                   | 4932480434     | 4058546407193 |
| 1" square | 50     | 100    | 28.6   | 73     | M33                    | 1             | 1                   | 4932480435     | 4058546407209 |
| 1" square | 55     | 100    | 33.6   | 82     | M36                    | 1             | 1                   | 4932480436     | 4058546407216 |
| 1" square | 60     | 120    | 35     | 86     | M39                    | 1             | 1                   | 4932480437     | 4058546407223 |
| 1" square | 65     | 125    | 35     | 92     | M42                    | 1             | 1                   | 4932480438     | 4058546407230 |



## 1" impact sockets - adaptor

| Description                               | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-------------------|---------------|---------------------|----------------|---------------|
| 1" to 3/4" SHOCKWAVE™ IMPACT DUTY adaptor | 70                | 1             | 1                   | 4932480442     | 4058546407278 |



## 1" SHOCKWAVE™ IMPACT DUTY universal joint

| Description                               | Angle capacity | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|----------------|---------------|---------------------|----------------|---------------|
| 1" SHOCKWAVE™ IMPACT DUTY universal joint | 25°            | 1             | 1                   | 4932480443     | 4058546407285 |



## 1" Socket Set

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 1" Socket Set STD - 5 pc<br>1" STD socket: 27,30,32,33,36 + safety ring + blow molded BMC   | 5             | 1                   | 4932498751     | 4058546526207 |
| 1" Socket Set deep - 5 pc<br>1" deep socket: 27,30,32,33,36 + safety ring + blow molded BMC | 5             | 1                   | 4932498752     | 4058546526214 |



## 1" impact sockets - security retaining rings

| Description                             | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| 1" retaining ring for 27 - 44mm sockets | 1             | 1                   | 4932480451     | 4058546407360 |
| 1" retaining ring for 46 - 70mm sockets | 1             | 1                   | 4932480452     | 4058546407377 |



## Railway Sockets

SHOCKWAVE™ IMPACT DUTY steel (Chrome-Molybdenum) is high quality alloy steel which provides ultimate strength and durability.

| A (mm)    | B (mm)             | C (mm) | D (mm) | E (mm) | Article Number | EAN Code      |
|-----------|--------------------|--------|--------|--------|----------------|---------------|
| 1" square | 21x28              | 70     | 24     | 56     | 4932499124     | 4058546529932 |
| 1" square | 21x28              | 110    | 24     | 56     | 4932499125     | 4058546529949 |
| 1" square | 22x29              | 70     | 24     | 58     | 4932499126     | 4058546529956 |
| 1" square | 22x29              | 110    | 24     | 58     | 4932499127     | 4058546529963 |
| 1" square | 21x24,5            | 70     | 24     | 54     | 4932499128     | 4058546529970 |
| 1" square | 21x24,5            | 110    | 24     | 54     | 4932499129     | 4058546529987 |
| 1" square | Bi-Square 1-11/16" | 70     | 25     | 82     | 4932499146     | 4058546530150 |
| 1" square | Bi-Square 1-1/8"   | 70     | 18     | 54     | 4932499148     | 4058546530174 |



## Impact sockets - rails & clips

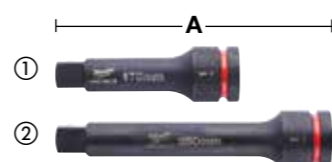
Flexible interchangeable rails and clips for customisation of 1/4", 3/8", and 1/2" drive sockets. Compatible with standard and deep sockets, removable end caps for easy clip removal. Metal ball detent clip for superior socket retention. Usable with impact and chrome sockets. Holes in rail are on top and on the bottom for easy mounting.



| Description                   | Length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------------------|-------------|---------------|---------------------|----------------|---------------|
| 1/4" impact socket rail       | 350         | 1             | 1                   | 4932480444     | 4058546407292 |
| 1/4" extra rail clips - 10pcs | -           | 10            | 1                   | 4932480445     | 4058546407308 |
| 3/8" impact socket rail       | 350         | 1             | 1                   | 4932480446     | 4058546407315 |
| 3/8" extra rail clips - 10pcs | -           | 10            | 1                   | 4932480447     | 4058546407322 |
| 1/2" impact socket rail       | 350         | 1             | 1                   | 4932480448     | 4058546407339 |
| 1/2" extra rail clips - 10pcs | -           | 10            | 1                   | 4932480449     | 4058546407346 |

## 1" impact sockets - extensions

| Description           | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------|-------------------|---------------|---------------------|----------------|---------------|
| 1" extension - 175 mm | 175               | 1             | 1                   | 4932480440     | 4058546407254 |
| 1" extension - 250 mm | 250               | 1             | 1                   | 4932480441     | 4058546407261 |





# NAILS & STAPLES

Arm yourself for any carpentry and construction project with professional-grade nails & staples from MILWAUKEE®

FIND YOUR PERFECT FIT WITH OUR TOOL CONFIGURATOR



## Brad nails, 18 gauge, thin finish head

Suitable for M18 FN18GS  
Collated straight strip



| Wire gauge | Dimensions (Outer)(H x W x D / mm) | Total length (mm) | Nail angle | Service class | Material                 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------|------------------------------------|-------------------|------------|---------------|--------------------------|---------------|---------------------|----------------|---------------|
| 18         | 1.05 x 1.25                        | 16                | 0°         | 1             | Resin Coated. Galvanised | 10.000        | 1                   | 4932492549     | 4058546419165 |
| 18         | 1.05 x 1.25                        | 19                | 0°         | 1             | Resin Coated. Galvanised | 10.000        | 1                   | 4932492550     | 4058546419172 |
| 18         | 1.05 x 1.25                        | 25                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492551     | 4058546419189 |
| 18         | 1.05 x 1.25                        | 30                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492552     | 4058546419196 |
| 18         | 1.05 x 1.25                        | 32                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492553     | 4058546419202 |
| ① 18       | 1.05 x 1.25                        | 35                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932498743     | 4058546526122 |
| 18         | 1.05 x 1.25                        | 38                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932498744     | 4058546526139 |
| 18         | 1.05 x 1.25                        | 40                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492554     | 4058546419219 |
| 18         | 1.05 x 1.25                        | 45                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492555     | 4058546419226 |
| 18         | 1.05 x 1.25                        | 50                | 0°         | 1             | Resin Coated. Galvanised | 5.000         | 1                   | 4932492556     | 4058546419233 |
| 18         | 1.05 x 1.25                        | 16                | 0°         | 3             | Stainless / Rust free    | 10.000        | 1                   | 4932492557     | 4058546419240 |
| 18         | 1.05 x 1.25                        | 19                | 0°         | 3             | Stainless / Rust free    | 10.000        | 1                   | 4932492558     | 4058546419257 |
| 18         | 1.05 x 1.25                        | 25                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492559     | 4058546419264 |
| 18         | 1.05 x 1.25                        | 30                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492560     | 4058546419271 |
| ② 18       | 1.05 x 1.25                        | 32                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492561     | 4058546419288 |
| 18         | 1.05 x 1.25                        | 35                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932498745     | 4058546526146 |
| 18         | 1.05 x 1.25                        | 38                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932498746     | 4058546526153 |
| 18         | 1.05 x 1.25                        | 40                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492562     | 4058546419295 |
| 18         | 1.05 x 1.25                        | 45                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492563     | 4058546419301 |
| 18         | 1.05 x 1.25                        | 50                | 0°         | 3             | Stainless / Rust free    | 5.000         | 1                   | 4932492564     | 4058546419318 |

## Finish nails, 15 gauge, 34°, D Head

Suitable for M18 CN15GA, M18 FN15GA  
Collated angled strip



| Wire gauge | Dimensions (Outer)(H x W x D / mm) | Total length (mm) | Nail angle | Service class | Material              | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------|------------------------------------|-------------------|------------|---------------|-----------------------|---------------|---------------------|----------------|---------------|
| 15         | 1.8                                | 32                | 34°        | 1             | Galvanised            | 4.000         | 1                   | 4932492574     | 4058546419417 |
| 15         | 1.8                                | 38                | 34°        | 1             | Galvanised            | 2.500         | 1                   | 4932492575     | 4058546419424 |
| ① 15       | 1.8                                | 44                | 34°        | 1             | Galvanised            | 2.500         | 1                   | 4932492576     | 4058546419431 |
| 15         | 1.8                                | 50                | 34°        | 1             | Galvanised            | 2.500         | 1                   | 4932492577     | 4058546419448 |
| 15         | 1.8                                | 63                | 34°        | 1             | Galvanised            | 2.200         | 1                   | 4932492578     | 4058546419455 |
| 15         | 1.8                                | 38                | 34°        | 3             | Stainless / Rust free | 2.500         | 1                   | 4932492579     | 4058546419462 |
| ② 15       | 1.8                                | 50                | 34°        | 3             | Stainless / Rust free | 2.500         | 1                   | 4932492580     | 4058546419479 |
| 15         | 1.8                                | 63                | 34°        | 3             | Stainless / Rust free | 2.200         | 1                   | 4932492581     | 4058546419486 |

## Finish nails, 16 gauge, 20°, thin finish head

Suitable for M18 CN16GA, M18 FN16GA  
Collated angled strip



| Wire gauge | Dimensions (Outer)(H x W x D / mm) | Total length (mm) | Nail angle | Service class | Material   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------|------------------------------------|-------------------|------------|---------------|------------|---------------|---------------------|----------------|---------------|
| 16         | 1.35 x 1.61                        | 32                | 20°        | 1             | Galvanised | 2,000         | 1                   | 4932492582     | 4058546419493 |
| 16         | 1.35 x 1.61                        | 38                | 20°        | 1             | Galvanised | 2,000         | 1                   | 4932492583     | 4058546419509 |
| 16         | 1.35 x 1.61                        | 45                | 20°        | 1             | Galvanised | 2,000         | 1                   | 4932492584     | 4058546419516 |
| 16         | 1.35 x 1.61                        | 50                | 20°        | 1             | Galvanised | 2,000         | 1                   | 4932492585     | 4058546419523 |
| 16         | 1.35 x 1.61                        | 64                | 20°        | 1             | Galvanised | 2,000         | 1                   | 4932492586     | 4058546419530 |

## Finish nails, 16 gauge, 0° straight, thin finish head

Suitable for M18 FN16GS  
Collated straight strip



| Wire gauge | Dimensions (Outer)(H x W x D / mm) | Total length (mm) | Nail angle | Service class | Material   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------|------------------------------------|-------------------|------------|---------------|------------|---------------|---------------------|----------------|---------------|
| 16         | 1.60                               | 25                | 0°         | 1             | Galvanised | 5,000         | 1                   | 4932498312     | 4058546521813 |
| 16         | 1.60                               | 32                | 0°         | 1             | Galvanised | 5,000         | 1                   | 4932498313     | 4058546521820 |
| 16         | 1.60                               | 38                | 0°         | 1             | Galvanised | 2,500         | 1                   | 4932498314     | 4058546521837 |
| 16         | 1.60                               | 45                | 0°         | 1             | Galvanised | 2,500         | 1                   | 4932498315     | 4058546521844 |
| 16         | 1.60                               | 50                | 0°         | 1             | Galvanised | 5,000         | 1                   | 4932498316     | 4058546521851 |
| 16         | 1.60                               | 63                | 0°         | 1             | Galvanised | 2,500         | 1                   | 4932498317     | 4058546521868 |

## Framing nails, 20°, round head

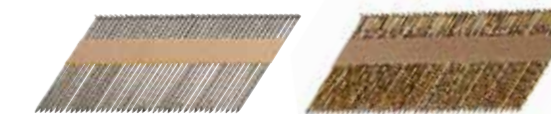
Suitable for M18 FFN21  
Collated angled strip



| Shank diameter (mm) | Total length (mm) | Nail angle | Service class | Material               | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|-------------------|------------|---------------|------------------------|---------------|---------------------|----------------|---------------|
| 2.8                 | 65                | 20°        | 1             | Ring Shank, Bright     | 2,000         | 1                   | 4932492587     | 4058546419547 |
| 2.8                 | 75                | 20°        | 1             | Ring Shank, Bright     | 2,000         | 1                   | 4932492588     | 4058546419554 |
| 3.1                 | 80                | 20°        | 1             | Ring Shank, Bright     | 1,750         | 1                   | 4932492589     | 4058546419561 |
| 3.1                 | 90                | 20°        | 1             | Ring Shank, Bright     | 1,750         | 1                   | 4932492590     | 4058546419578 |
| 2.8                 | 65                | 20°        | 2             | Ring Shank, Galvanised | 2,000         | 1                   | 4932492591     | 4058546419585 |
| 3.1                 | 75                | 20°        | 2             | Ring Shank, Galvanised | 1,750         | 1                   | 4932492592     | 4058546419592 |
| 3.1                 | 80                | 20°        | 2             | Ring Shank, Galvanised | 1,750         | 1                   | 4932492593     | 4058546419608 |
| 3.1                 | 90                | 20°        | 2             | Ring Shank, Galvanised | 1,750         | 1                   | 4932492594     | 4058546419615 |

## Framing nails, 34°, D head

Suitable for M18 FFN  
Paper collated angled strip



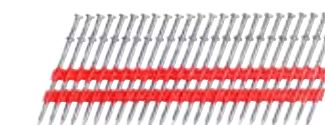
| Shank diameter (mm) | Total length (mm) | Nail angle | Service class | Material                          | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|-------------------|------------|---------------|-----------------------------------|---------------|---------------------|----------------|---------------|
| 2.8                 | 50                | 34°        | 1             | Smooth Shank, Bright              | 2,200         | 1                   | 4932492595     | 4058546419622 |
| 2.8                 | 63                | 34°        | 1             | Smooth Shank, Bright              | 2,200         | 1                   | 4932492596     | 4058546419639 |
| 2.8                 | 75                | 34°        | 1             | Smooth Shank, Bright              | 2,200         | 1                   | 4932492597     | 4058546419646 |
| 3.1                 | 90                | 34°        | 1             | Smooth Shank, Bright              | 2,200         | 1                   | 4932492598     | 4058546419653 |
| 2.8                 | 50                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492599     | 4058546419660 |
| 2.8                 | 63                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492600     | 4058546419677 |
| 2.8                 | 70                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492601     | 4058546419684 |
| 2.8                 | 75                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492602     | 4058546419691 |
| 2.8                 | 80                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492603     | 4058546419707 |
| 3.1                 | 90                | 34°        | 1             | Ring Shank, Bright                | 2,200         | 1                   | 4932492604     | 4058546419714 |
| 3.1                 | 90                | 34°        | 2             | Smooth shank, Galvanised          | 2,200         | 1                   | 4932492605     | 4058546419721 |
| 2.8                 | 50                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492606     | 4058546419738 |
| 2.8                 | 63                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492607     | 4058546419745 |
| 2.8                 | 75                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492608     | 4058546419752 |
| 3.1                 | 63                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492609     | 4058546419769 |
| 3.1                 | 75                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492610     | 4058546419776 |
| 3.1                 | 80                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492611     | 4058546419783 |
| 3.1                 | 90                | 34°        | 2             | Ring Shank, Galvanised            | 2,200         | 1                   | 4932492612     | 4058546419790 |
| 2.8                 | 50                | 34°        | 3             | Ring Shank, Hot Dipped Galvanised | 2,200         | 1                   | 4932492613     | 4058546419806 |
| 2.8                 | 65                | 34°        | 3             | Ring Shank, Hot Dipped Galvanised | 2,200         | 1                   | 4932492614     | 4058546419813 |
| 3.1                 | 90                | 34°        | 3             | Ring Shank, Hot Dipped Galvanised | 2,200         | 1                   | 4932492615     | 4058546419820 |

## 21° Duplex Nails

Double Head, for temporary nailing and easier removal.

Smooth shank, for easier removal.

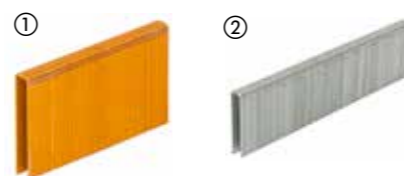
Used in temporary construction, such as concrete forms where nail removal is required.



| Shank diameter (mm) | Total length (mm) | Nail angle | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|-------------------|------------|---------------|---------------------|----------------|---------------|
| 3.3                 | 73                | 21°        | 2000          | 1                   | 4932498155     | 4058546513153 |
| 3.3                 | 92                | 21°        | 2000          | 1                   | 4932498156     | 4058546513160 |



## Staples



| Type                                  | Width (mm) | Dimensions (Outer)(H x W x D / mm) | Total length (mm) | Service class | Material                 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------------------|------------|------------------------------------|-------------------|---------------|--------------------------|---------------|---------------------|----------------|---------------|
| ① Fine wire staples for M12BST        | 10.6       | 0.5 x 1.25                         | 6                 | 1             | Galvanised               | 1.400         | 1                   | 4932492565     | 4058546419325 |
|                                       | 10.6       | 0.5 x 1.25                         | 6                 | 1             | Galvanised               | 5.000         | 1                   | 4932492570     | 4058546419370 |
|                                       | 10.6       | 0.5 x 1.25                         | 8                 | 1             | Galvanised               | 1.000         | 1                   | 4932492566     | 4058546419332 |
|                                       | 10.6       | 0.5 x 1.25                         | 8                 | 1             | Galvanised               | 5.000         | 1                   | 4932492571     | 4058546419387 |
|                                       | 10.6       | 0.5 x 1.25                         | 10                | 1             | Galvanised               | 900           | 1                   | 4932492567     | 4058546419349 |
|                                       | 10.6       | 0.5 x 1.25                         | 10                | 1             | Galvanised               | 5.000         | 1                   | 4932492572     | 4058546419394 |
|                                       | 10.6       | 0.5 x 1.25                         | 12                | 1             | Galvanised               | 750           | 1                   | 4932492568     | 4058546419356 |
|                                       | 10.6       | 0.5 x 1.25                         | 14                | 1             | Galvanised               | 600           | 1                   | 4932492569     | 4058546419363 |
|                                       | 10.6       | 0.5 x 1.25                         | 14                | 1             | Galvanised               | 5.000         | 1                   | 4932492573     | 4058546419400 |
| ② Fine wire staples for M18 FNCST18GS | 5.7        | 1.05 x 1.25                        | 15                | 1             | Resin Coated, Galvanised | 7.200         | 1                   | 4932492616     | 4058546419837 |
|                                       | 5.7        | 1.05 x 1.25                        | 20                | 1             | Resin Coated, Galvanised | 6.000         | 1                   | 4932492617     | 4058546419844 |
|                                       | 5.7        | 1.05 x 1.25                        | 25                | 1             | Resin Coated, Galvanised | 4.400         | 1                   | 4932492618     | 4058546419851 |
|                                       | 5.7        | 1.05 x 1.25                        | 30                | 1             | Resin Coated, Galvanised | 4.200         | 1                   | 4932492619     | 4058546419868 |
|                                       | 5.7        | 1.05 x 1.25                        | 32                | 1             | Resin Coated, Galvanised | 3.600         | 1                   | 4932492620     | 4058546419875 |
|                                       | 5.7        | 1.05 x 1.25                        | 35                | 1             | Resin Coated, Galvanised | 3.600         | 1                   | 4932492621     | 4058546419882 |
|                                       | 5.7        | 1.05 x 1.25                        | 36                | 1             | Resin Coated, Galvanised | 3.600         | 1                   | 4932492622     | 4058546419899 |
|                                       | 5.7        | 1.05 x 1.25                        | 38                | 1             | Resin Coated, Galvanised | 2.600         | 1                   | 4932492623     | 4058546419905 |
|                                       | 5.7        | 1.05 x 1.25                        | 25                | 3             | Stainless, Resin Coated  | 4.400         | 1                   | 4932492624     | 4058546419912 |
|                                       | 5.7        | 1.05 x 1.25                        | 35                | 3             | Stainless, Resin Coated  | 3.600         | 1                   | 4932492625     | 4058546419929 |
|                                       | 5.7        | 1.05 x 1.25                        | 38                | 3             | Stainless, Resin Coated  | 2.600         | 1                   | 4932492626     | 4058546419936 |

## Staples - fencing

Fencing staples for the Milwaukee M18 FFUS.

For all types of wire fencing attached to wood ie. livestock fencing, square/chain/barbed wire and high tensile wire.

Hot dipped galvanised coating for superior long term corrosion resistance.

4mm thick steel wire for best lifetime in outdoor applications.

Sharp divergent point tips – the staple point tip twists as it is driven into the wood giving better holding power.

Red adhesive coating for increased drivability while maximizing holding power.

Paper tape collation for speed and convenience.



| Total length (mm) | Width (mm) | Service class | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------|---------------|---------------|---------------------|----------------|---------------|
| 40                | 20         | 3             | 960           | 1                   | 4932480358     | 4058546406431 |
| 45                | 20         | 3             | 960           | 1                   | 4932480359     | 4058546406448 |
| 50                | 20         | 3             | 960           | 1                   | 4932480360     | 4058546406455 |

## Roofing coil nails, 15°

15° Round Head Nails.

15° Wire Coil Collation.

Designed for fastening in roofing and facade work, ideal for fast driving and superior holding.

Suitable for M18 FRCN45.



| Shank diameter (mm) | Length (mm) | Nail angle | Service class | Material                            | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|-------------|------------|---------------|-------------------------------------|---------------|---------------------|----------------|---------------|
| 3,05                | 19          | 15°        | 2             | Ring shank, Galvanised              | 2880          | 1                   | 4932499310     | 4058546564742 |
| 3,05                | 22          | 15°        | 2             | Ring shank, Galvanised              | 2880          | 1                   | 4932499311     | 4058546564759 |
| 3,05                | 25          | 15°        | 2             | Ring shank, Galvanised              | 2160          | 1                   | 4932499312     | 4058546564766 |
| 3,05                | 32          | 15°        | 2             | Ring shank, Galvanised              | 2160          | 1                   | 4932499313     | 4058546564773 |
| 3,05                | 38          | 15°        | 2             | Ring shank, Galvanised              | 1440          | 1                   | 4932499314     | 4058546564780 |
| 3,05                | 45          | 15°        | 2             | Ring shank, Galvanised              | 1440          | 1                   | 4932499315     | 4058546564797 |
| 3,05                | 22          | 15°        | 2             | Smooth shank, Galvanised            | 2880          | 1                   | 4932499316     | 4058546564803 |
| 3,05                | 25          | 15°        | 2             | Smooth shank, Galvanised            | 2160          | 1                   | 4932499317     | 4058546564810 |
| 3,05                | 32          | 15°        | 2             | Smooth shank, Galvanised            | 2160          | 1                   | 4932499318     | 4058546564827 |
| 3,05                | 19          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 2880          | 1                   | 4932499319     | 4058546564834 |
| 3,05                | 22          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 2880          | 1                   | 4932499320     | 4058546564841 |
| 3,05                | 25          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 2160          | 1                   | 4932499321     | 4058546564858 |
| 3,05                | 32          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 2160          | 1                   | 4932499322     | 4058546564865 |
| 3,05                | 38          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 1440          | 1                   | 4932499323     | 4058546564872 |
| 3,05                | 45          | 15°        | 3             | Ring shank, Hot Dipped Galvanised   | 1440          | 1                   | 4932499324     | 4058546564889 |
| 3,05                | 25          | 15°        | 3             | Smooth shank, Hot Dipped Galvanised | 2160          | 1                   | 4932499325     | 4058546564896 |
| 3,05                | 32          | 15°        | 3             | Smooth shank, Hot Dipped Galvanised | 2160          | 1                   | 4932499326     | 4058546564902 |
| 3,05                | 25          | 15°        | 3             | Ring shank, Stainless Steel         | 2160          | 1                   | 4932499327     | 4058546564919 |
| 3,05                | 32          | 15°        | 3             | Ring shank, Stainless Steel         | 2160          | 1                   | 4932499328     | 4058546564926 |

## Staples - electrical cable

Cable staples for the Milwaukee M12 BCST

19mm wide 25mm long staples for fixing all types of electrical/ data cable to wooden joists / structures. Not suitable for fixing to concrete.

Flat top staple with a plastic bridge on the inside. The plastic bridge ensures cables will not be damaged or cut when fixed.

Suitable only for internal use.



| Total length (mm) | Width (mm) | Service class | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------|---------------|---------------|---------------------|----------------|---------------|
| 25                | 19         | 1             | 600           | 1                   | 4932479628     | 4058546374228 |



# NITRUS CARBIDE™

**TORCH™**  
NITRUS CARBIDE

**WRECKER™**  
NITRUS CARBIDE

**CUT TOUGHER**

Our SAWZALL™ The TORCH™ with NITRUS CARBIDE™ for CAST IRON and other thick metals is the next generation of carbide teeth technology. The blade delivers 3X the life of existing carbide teeth reciprocating saw blades to continuously make the toughest cast iron removals on the job.

\*vs standard Carbide blades

Our WRECKER™ with NITRUS CARBIDE™ SAWZALL® blade for multi-material cutting features a 6TPI design for best material versatility and the ability to cut materials from wood with nails and screws to thick metals. Our blade delivers 2x life versus carbide teeth blades eliminating the need for blade changes when cutting a variety of materials.



# CARBIDE TEETH

**CUT LONGER. CUT MORE. CUT FASTER.**



THE **TORCH™**  
CARBIDE TEETH



**AX™**  
CARBIDE TEETH



THE **WRECKER™**  
CARBIDE TEETH

**x50**  
LONGER LIFE

This blade delivers up to 50X life over bi-metal standard blades

**1000**  
MORE CUTS

The Ax with Carbide Teeth is optimized for Cordless Recip Saws delivering over 25% more cuts per charge

**x2**  
FASTER CUTS

This blade delivers up to 2X faster cuts than bi-metal standard blades

## Metal: Heavy duty TORCH™ with NITRUS CARBIDE™

The TORCH™ blades with NITRUS CARBIDE™ teeth is the next generation of carbide technology. This special carbide NITRUS blend is designed to cut 3x longer than existing standard carbide teeth blades. The tooth design ensures fast starts and smooth cuts, large gullets for easy chip ejection. The TORCH™ Blades with NITRUS CARBIDE™ are designed to last the longest and cut the fastest in cast iron/ SML pipe, stainless steel and other metals. Thick 1.27 mm robust blade body for precise straight cuts. 25 mm blade height for improved stability and minimum vibration. Best performance in all metals, especially in stainless steel and cast iron soil, waste and drainage pipes.

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |            |        |            |        |     | RESCUE | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|------------|--------|------------|--------|-----|--------|---------------|---------------------|----------------|--------------|
| 150               | 2.5              | 10             | S955HHM  | 3 - 11 | Ø 10 - 100 | 3 - 11 | Ø 10 - 100 | 3 - 11 | Yes | 5      | 1             | 1                   | 48476251       | 045242367726 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48476551       | 045242367849 |
| 230               | 2.5              | 10             | S1155HHM | 3 - 11 | Ø 10 - 175 | 3 - 11 | Ø 10 - 175 | 3 - 11 | Yes | 5      | 1             | 1                   | 48476252       | 045242367801 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48476552       | 045242367771 |
| 300               | 2.5              | 10             | S1255HHM | 3 - 11 | Ø 10 - 250 | 3 - 11 | Ø 10 - 250 | 3 - 11 | Yes | 5      | 1             | 1                   | 48476253       | 045242367757 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48476553       | 045242367832 |
| 150               | 3.2              | 8              | S955CHC  | 5 - 14 | Ø 10 - 100 | 5 - 14 | Ø 10 - 100 | 5 - 14 | Yes | 5      | 1             | 1                   | 48475261       | 045242368495 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48475561       | 045242368877 |
| 230               | 3.2              | 8              | S1155CHC | 5 - 14 | Ø 10 - 175 | 5 - 14 | Ø 10 - 175 | 5 - 14 | Yes | 5      | 1             | 1                   | 48475262       | 045242368501 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48475562       | 045242368884 |
| 300               | 3.2              | 8              | S1255CHC | 5 - 14 | Ø 10 - 250 | 5 - 14 | Ø 10 - 250 | 5 - 14 | Yes | 5      | 1             | 1                   | 48475263       | 045242368518 |
|                   |                  |                |          |        |            |        |            |        |     |        |               |                     | 48475563       | 045242368891 |



## Metal: Heavy duty TORCH™ carbide teeth

Carbide teeth provide for longest life in metals - up to 50x more life compared to Bi-Metal blades  
Thick 1.27 mm robust blade body for precise straight cuts  
25 mm blade height for improved stability and minimum vibration  
Best for cast iron and all thick metal demolition



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |            |        |            |        |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|------------|--------|------------|--------|-----|---------------|---------------------|----------------|--------------|
| 150               | 2.5              | 10             | S955HHM  | 3 - 11 | Ø 10 - 100 | 3 - 11 | Ø 10 - 100 | 3 - 11 | Yes | 1             | 1                   | 48475251       | 045242368464 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475551       | 045242368846 |
| 230               | 2.5              | 10             | S1155HHM | 3 - 11 | Ø 10 - 175 | 3 - 11 | Ø 10 - 175 | 3 - 11 | Yes | 1             | 1                   | 48475252       | 045242368471 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475552       | 045242368853 |
| 300               | 2.5              | 10             | S1255HHM | 3 - 11 | Ø 10 - 250 | 3 - 11 | Ø 10 - 250 | 3 - 11 | Yes | 1             | 1                   | 48475253       | 045242368488 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475553       | 045242368860 |
| 150               | 3.2              | 8              | S955CHC  | 5 - 14 | Ø 10 - 100 | 5 - 14 | Ø 10 - 100 | 5 - 14 | Yes | 1             | 1                   | 48475201       | 045242368341 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475501       | 045242368754 |
| 230               | 3.2              | 8              | S1155CHC | 5 - 14 | Ø 10 - 175 | 5 - 14 | Ø 10 - 175 | 5 - 14 | Yes | 1             | 1                   | 48475202       | 045242368358 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475502       | 045242368761 |
| 300               | 3.2              | 8              | S1255CHC | 5 - 14 | Ø 10 - 250 | 5 - 14 | Ø 10 - 250 | 5 - 14 | Yes | 1             | 1                   | 48475203       | 045242368365 |
|                   |                  |                |          |        |            |        |            |        |     | 5             | 1                   | 48475503       | 045242368778 |



## Metal: Heavy duty TORCH™ demolition blades

STIFFEST



THE TORCH™



LONGEST

STRONGEST

DOUBLE DUTY UPGRADE



Improved tooth geometry for best speed and double the lifetime. Thick 1.06 mm robust blade body for precise cuts. 25 mm blade height for improved stability and minimum vibration. Bi-Metal quality cutting teeth with 8% cobalt the ultimate in performance and lifetime.



Stamped indentations around the reception strengthens the blade at its weakest point.



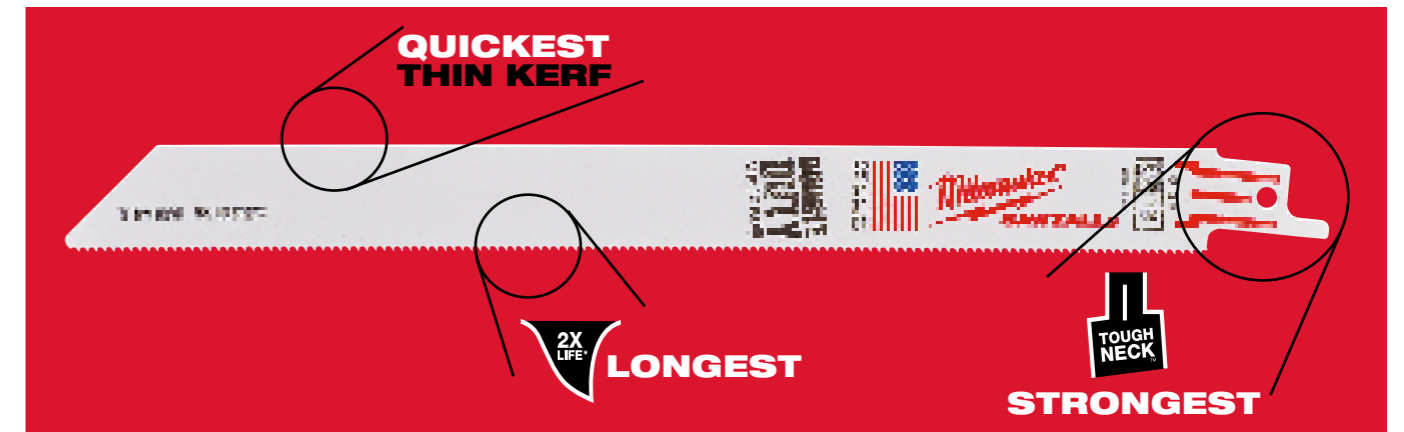
A grid iron pattern is built into the blade to make it more rigid with less tendency to bend or buckle for best durability and straight cuts.



**Metal: Heavy duty TORCH™ demolition blades**

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No.          |  | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|-------------------|--|---------------|---------------------|----------------|--------------|
| 150               | 1.4              | 18             | S926BEF/SS927BEF  |  | 5             | 1                   | 48475784       | 045242369034 |
|                   |                  |                |                   |  | 25            | 1                   | 48008784       | 045242082407 |
| 230               | 1.4              | 18             | S1126BEF/S1127BEF |  | 5             | 1                   | 48475788       | 045242369065 |
|                   |                  |                |                   |  | 25            | 1                   | 48008788       | 045242082421 |
| 300               | 1.4              | 18             | S1226BEF/S1227BEF |  | 5             | 1                   | 48475789       | 045242369072 |
|                   |                  |                |                   |  | 25            | 1                   | 48008789       | 045242082438 |
| 150               | 1.8              | 14             | S926BEF/SS927BEF  |  | 5             | 1                   | 48475782       | 045242369027 |
|                   |                  |                |                   |  | 25            | 1                   | 48008782       | 045242082391 |
| 230               | 1.8              | 14             | S1126BEF/S1127BEF |  | 5             | 1                   | 48475787       | 045242369058 |
|                   |                  |                |                   |  | 25            | 1                   | 48008787       | 045242082414 |
| 150               | 2.5              | 10             | S926CHF/S936CHF   |  | 5             | 1                   | 48475712       | 045242368990 |
|                   |                  |                |                   |  | 25            | 1                   | 48008712       | 045242082377 |
| 230               | 2.5              | 10             | S1226CHF/S1136CHF |  | 5             | 1                   | 48475713       | 045242369003 |
|                   |                  |                |                   |  | 25            | 1                   | 48008713       | 045242082384 |
| 300               | 2.5              | 10             | S1226CHF          |  | 5             | 1                   | 48475714       | 045242369010 |

**Metal: THIN KERF blades**



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No.      |  | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|---------------|--|---------------|---------------------|----------------|--------------|
| 100               | 1                | 24             | S522AF        |  | 5             | 1                   | 48475185       | 045242368273 |
| 150               | 1                | 24             | S918AF/S922AF |  | 5             | 1                   | 48475186       | 045242368280 |
| 100               | 1.4              | 18             | S522EF        |  | 5             | 1                   | 48475183       | 045242368259 |
| 150               | 1.4              | 18             | S922EF        |  | 5             | 1                   | 48475184       | 045242368266 |
|                   |                  |                |               |  | 50            | 1                   | 48016184       | 045242084739 |
| 230               | 1.4              | 18             | S1122EF       |  | 5             | 1                   | 48475188       | 045242368303 |
|                   |                  |                |               |  | 50            | 1                   | 48016188       | 045242084876 |
| 300               | 1.4              | 18             | -             |  | 5             | 1                   | 48475189       | 045242368310 |
|                   |                  |                |               |  | 50            | 1                   | 48016189       | 045242084883 |
| 90                | 1.8              | 14             | S422BF        |  | 5             | 1                   | 48475162       | 045242368211 |
| 100               | 1.8              | 14             | S522BF        |  | 5             | 1                   | 48475181       | 045242368235 |
| 150               | 1.8              | 14             | S922BF        |  | 5             | 1                   | 48475182       | 045242368242 |
|                   |                  |                |               |  | 50            | 1                   | 48016182       | 045242084722 |
| 230               | 1.8              | 14             | S1122BF       |  | 5             | 1                   | 48475187       | 045242368297 |
|                   |                  |                |               |  | 50            | 1                   | 48016187       | 045242084869 |

\*vs. standard Bi Metal blades



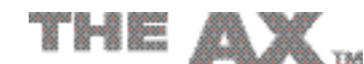
### Wood with nails: Heavy duty AX™ carbide teeth demolition blades



Up to 50x longer life than standard Bi-Metal blades. Carbide teeth deliver long life and extreme durability in the toughest applications. Cuts through hardened screws and fasteners.  
 Up to 2x faster than standard Bi-Metal blades. A fast and aggressive 5 Tpi tooth pattern allows for the fastest cutting in nail embedded wood and a wide range of construction materials (wood/nails/bolts/screws/cast iron/asphalt roofing felt shingles).  
 Up to 25% more cuts per charge vs. standard Bi-Metal blades. Optimised for use with cordless reciprocating saws.  
 FANG TIP™: For faster plunge cutting and reaching into restricted areas.  
 NAIL GUARD™: Protects the tooth during nail impacts for increased durability and lifetime.  
 Sloped shape: Excellent for plunge cutting and reaching into restricted areas.  
 Thick 1.27 mm robust blade body for precise straight cuts.  
 25 mm blade height for improved stability and minimum vibration.  
 Best for wood / nails / hardened fasteners demolition

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. | Image 1  | Image 2  | Image 3    | Image 4 | Image 5 | Image 6 | Image 7 | Image 8 | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|----------|----------|------------|---------|---------|---------|---------|---------|---------------|---------------------|----------------|--------------|
| 150               | 5                | 5              | S967XHM  | 10 - 100 | 10 - 100 | Ø 10 - 100 | Yes     | Yes     | Yes     | Yes     | Yes     | 1             | 1                   | 48475221       | 045242368372 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 5             | 1                   | 48475521       | 045242368785 |
| 230               | 5                | 5              | S1167XHM | 10 - 175 | 10 - 175 | Ø 10 - 175 | Yes     | Yes     | Yes     | Yes     | Yes     | 1             | 1                   | 48475226       | 045242368389 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 5             | 1                   | 48475526       | 045242368792 |
| 300               | 5                | 5              | S1267XHM | 10 - 250 | 10 - 250 | Ø 10 - 250 | Yes     | Yes     | Yes     | Yes     | Yes     | 1             | 1                   | 48475227       | 045242368396 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 5             | 1                   | 48475527       | 045242368808 |

### Wood with nails: Heavy duty AX™ demolition blades



FANG TIP™: For faster plunge cutting and reaching into restricted areas.  
 NAIL GUARD™: Protects the tooth during nail impacts for increased durability and lifetime.  
 Strong: Thick 1.27mm blade body and 25mm height for maximum robustness and life making it ideal for wood with nails or bolts.  
 Fast: Aggressive 5 Tpi tooth geometry removes more material per stroke for faster cutting.  
 Sloped shape: Excellent for plunge cutting and reaching into restricted areas.  
 Shatter resistant: Bi-Metal construction allows the blade to bend and flex without breaking.

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. | Image 1  | Image 2  | Image 3    | Image 4 | Image 5 | Image 6 | Image 7 | Image 8 | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|----------|----------|------------|---------|---------|---------|---------|---------|---------------|---------------------|----------------|--------------|
| 150               | 5                | 5              | S610VF   | 10 - 100 | 10 - 100 | Ø 10 - 100 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475021       | 045242368082 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 25            | 1                   | 48008021       | 045242082285 |
| 230               | 5                | 5              | S1110VF  | 10 - 175 | 10 - 175 | Ø 10 - 175 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475026       | 045242368099 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 25            | 1                   | 48008026       | 045242082292 |
| 300               | 5                | 5              | S1210VF  | 10 - 250 | 10 - 250 | Ø 10 - 250 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475027       | 045242368105 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 25            | 1                   | 48008027       | 045242082308 |

### Wood with nails: THIN KERF demolition blades



FANG TIP™: For faster plunge cutting and reaching into restricted areas.  
 NAIL GUARD™: Protects the tooth during nail impacts for increased durability and lifetime.  
 Strong: 1.27 mm thick blade body and 19mm height for good strength and blade life making it ideal for wood with nails or bolts.  
 Fast: Aggressive 5 Tpi geometry removes more material per stroke for faster cutting.  
 Long sloped shape: Excellent for plunge cutting and reaching into restricted areas.  
 Shatter resistant: Bi-Metal construction allows the blade to bend and flex without breaking.

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. | Image 1  | Image 2  | Image 3    | Image 4 | Image 5 | Image 6 | Image 7 | Image 8 | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|----------|----------|------------|---------|---------|---------|---------|---------|---------------|---------------------|----------------|--------------|
| 150               | 5                | 5              | S611DF   | 10 - 100 | 10 - 100 | Ø 10 - 100 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475035       | 045242368112 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 50            | 1                   | 48016035       | 045242084791 |
| 230               | 5                | 5              | S1111DF  | 10 - 175 | 10 - 175 | Ø 10 - 175 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475036       | 045242368129 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 50            | 1                   | 48016036       | 045242084661 |
| 300               | 5                | 5              | S1411DF  | 10 - 250 | 10 - 250 | Ø 10 - 250 | Yes     | Yes     | Yes     | Yes     | Yes     | 5             | 1                   | 48475037       | 045242368136 |
|                   |                  |                |          |          |          |            |         |         |         |         |         | 50            | 1                   | 48016037       | 045242084807 |

### Multi Material: WRECKER™ with NITRUS CARBIDE™

NITRUS CARBIDE™ teeth technology: Offers up to 3X life vs. carbide teeth blades in multi-material applications or up to 100X life vs. standard bi-metal blades.

FANG TIP™: For faster plunge cutting and reaching into restricted areas.

Thick 1.27mm robust blade body for precise straight cuts.

25 mm blade height for improved stability and minimum vibration.

Best for multi material demolition ( wood with nails or hardened fastners, cast iron and thick metal).



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |            |        |            |     |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|------------|--------|------------|-----|-----|-----|---------------|---------------------|----------------|--------------|
| 150               | 4.2              | 6              | S956XHM  | 6 - 14 | Ø 10 - 100 | 6 - 14 | Ø 10 - 100 | Yes | Yes | Yes | 1             | 1                   | 48475271       | 045242368525 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475571       | 045242368907 |
| 230               | 4.2              | 6              |          | 6 - 14 | Ø 10 - 175 | 6 - 14 | Ø 10 - 175 | Yes | Yes | Yes | 1             | 1                   | 48475272       | 045242368532 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475572       | 045242368914 |
| 300               | 4.2              | 6              |          | 6 - 14 | Ø 10 - 250 | 6 - 14 | Ø 10 - 250 | Yes | Yes | Yes | 1             | 1                   | 48475273       | 045242368549 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475573       | 045242368921 |

### Multi material : Heavy duty WRECKER™ carbide teeth demolition blades

The multi material WRECKER™ with carbide teeth cuts all from thick metal, cast iron, nail embedded wood, hardened screws and fastners.

Up to 50x longer life than standard Bi -metal blades. Carbide teeth deliver long life and extreme durability in the toughest applications.

Up to 25% more cuts per charge vs. standard Bi-Metal blades. Optimised for use with cordless tools.

FANG TIP™: For faster plunge cutting and reaching into restricted areas.

Thick 1.27mm robust blade body for precise straight cuts.

25 mm blade height for improved stability and minimum vibration.

Best for multi material demolition -cwood with nails or hardened fastners and thick metal



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |            |        |            |     |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|------------|--------|------------|-----|-----|-----|---------------|---------------------|----------------|--------------|
| 150               | 4.2              | 6              | S956XHM  | 6 - 14 | Ø 10 - 100 | 6 - 14 | Ø 10 - 100 | Yes | Yes | Yes | 1             | 1                   | 48475241       | 045242368433 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475541       | 045242368815 |
| 230               | 4.2              | 6              | S1156XHM | 6 - 14 | Ø 10 - 175 | 6 - 14 | Ø 10 - 175 | Yes | Yes | Yes | 1             | 1                   | 48475242       | 045242368440 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475542       | 045242368822 |
| 300               | 4.2              | 6              | S1256XHM | 6 - 14 | Ø 10 - 250 | 6 - 14 | Ø 10 - 250 | Yes | Yes | Yes | 1             | 1                   | 48475243       | 045242368457 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475543       | 045242368839 |

### Multi material: Heavy duty WRECKER™ blades



Strong and precise: Thick 1.27 mm blade body.

Bi-Metal construction: Excellent blade life and performance.

Tooth geometry: Aggressive strengthened tooth tip design and uniform gullet depth allows for more material to be removed per stroke for faster cutting.

Blade shape: Sloped - The sloped shape makes this blade ideal for plunge cutting. Most suited for cutting metal and for demolition applications (wood with nails).

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |            |        |            |     |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|------------|--------|------------|-----|-----|-----|---------------|---------------------|----------------|--------------|
| 150               | 3.6/2.3          | 7/11           | -        | 4 - 10 | Ø 10 - 100 | 4 - 10 | Ø 10 - 100 | Yes | Yes | Yes | 5             | 1                   | 48475701       | 045242368969 |
|                   |                  |                |          |        |            |        |            |     |     |     | 5             | 1                   | 48475706       | 045242369102 |
| 230               | 3.6/2.3          | 7/11           | S3456XF  | 4 - 10 | Ø 10 - 175 | 4 - 10 | Ø 10 - 175 | Yes | Yes | Yes | 5             | 1                   | 48008706       | 045242082520 |
|                   |                  |                |          |        |            |        |            |     |     |     | 25            | 1                   | 48008711       | 045242082537 |
| 300               | 3.6/2.3          | 7/11           | -        | 4 - 10 | Ø 10 - 250 | 4 - 10 | Ø 10 - 250 | Yes | Yes | Yes | 5             | 1                   | 48475711       | 045242368983 |
|                   |                  |                |          |        |            |        |            |     |     |     | 25            | 1                   | 48008711       | 045242082537 |

### Multi material: wood / metal / plastic cutting blades

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |        |         |     |           |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|--------|--------|---------|-----|-----------|-----|-----|---------------|---------------------|----------------|--------------|
| 150               | 2.5              | 10             | -        | 3 - 11 | 3 - 11 | 6 - 50  | Yes | Ø 3 - 50  | Yes | Yes | 5             | 1                   | 48475092       | 045242368181 |
|                   |                  |                |          |        |        |         |     |           |     |     | 50            | 1                   | 48016292       | 045242084081 |
| 200               | 2.5/1.8          | 10/14          | S1122VF  | 3 - 11 | 3 - 11 | 5 - 175 | Yes | Ø 3 - 160 | Yes | Yes | 5             | 1                   | 48475193       | 045242368327 |
|                   |                  |                |          |        |        |         |     |           |     |     | 50            | 1                   | 48016293       | 045242084098 |
| 300               | 2.5/1.8          | 10/14          | S1222VF  | 3 - 11 | 3 - 11 | 5 - 250 | Yes | Ø 3 - 250 | Yes | Yes | 5             | 1                   | 48475194       | 045242368334 |
|                   |                  |                |          |        |        |         |     |           |     |     | 50            | 1                   | 48016091       | 045242084685 |
| 200               | 3.2/2.1          | 8/12           | -        | 3 - 11 | 3 - 11 | 5 - 175 | Yes | Ø 3 - 160 | Yes | Yes | 5             | 1                   | 48475093       | 045242368198 |
|                   |                  |                |          |        |        |         |     |           |     |     | 50            | 1                   | 48016093       | 045242084708 |
| 300               | 3.2/2.1          | 8/12           | -        | 3 - 11 | 3 - 11 | 5 - 250 | Yes | Ø 3 - 250 | Yes | Yes | 5             | 1                   | 48475094       | 045242368204 |
|                   |                  |                |          |        |        |         |     |           |     |     | 50            | 1                   | 48016094       | 045242084715 |

### Wood and plastics blades

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |          |          |           | Pack quantity | Min. order quantity | Article Number | EAN Code   |               |
|-------------------|------------------|----------------|----------|--------|----------|----------|-----------|---------------|---------------------|----------------|------------|---------------|
|                   | 150              | 4.2            | 6        | S644D  | 6 - 100  | -        | Ø 6 - 100 | Yes           | 3                   | 1              | 48001075   | 045242079810  |
|                   | 150              | 4.2            | 6        | S744D  | 6 - 50   | -        | Ø 6 - 50  | No            | 3                   | 1              | 48001076   | 045242079827  |
|                   | 230              | 4.2            | 6        | -      | 6 - 190  | 6 - 200  | Ø 6 - 100 | Yes           | 5                   | 1              | 48475016   | 045242368068  |
|                   | 240              | 5.5/6          | 4/5      | S1531L | 15 - 190 | 15 - 200 | -         | No            | 3                   | 1              | 48001077   | 045242079834  |
|                   | 240              | 8.5            | 3        | S1542K | 15 - 190 | -        | -         | No            | 50                  | 1              | 4932478111 | 4058546340445 |
|                   | 240              | 8.5            | 3        | S1542K | 15 - 190 | -        | -         | No            | 3                   | 1              | 48001078   | 045242079841  |
|                   | 150              | 4.2            | 6        | -      | 6 - 60   | 6 - 60   | -         | No            | 2                   | 1              | 4932493509 | 4058546483807 |
|                   | 275              | 4.2            | 6        | -      | 6 - 200  | 6 - 200  | -         | No            | 2                   | 1              | 4932471693 | 4058546295929 |
|                   | 300              | 4.2            | 6        | S1344D | 6 - 250  | 6 - 250  | -         | No            | 3                   | 1              | 48001079   | 045242079858  |

### Special application: Cast iron / abrasive materials / fibreglass

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |            |            |         |         |          | Pack quantity | Min. order quantity | Article Number | EAN Code     |               |
|-------------------|------------------|----------------|----------|------------|------------|---------|---------|----------|---------------|---------------------|----------------|--------------|---------------|
|                   | 230              | Diamond grit   | -        | Ø 10 - 160 | Ø 10 - 160 | 3 - 175 | -       | -        | 1             | 1                   | 48471450       | 045242368006 |               |
|                   | 150              | Carbide grit   | -        | Ø 10 - 100 | Ø 10 - 100 | 3 - 100 | -       | -        | 3             | 1                   | 48471420       | 045242367979 |               |
|                   | 230              | Carbide grit   | S1130R   | Ø 10 - 160 | Ø 10 - 160 | 3 - 175 | -       | -        | 3             | 1                   | 48471430       | 045242367986 |               |
|                   | 305              | 8.5            | 3        | S1241HM    | -          | -       | 6 - 150 | 10 - 250 | 10 - 250      | 1                   | 1              | 48001080     | 045242079865  |
|                   | 235              | 17             | 1.5      | S1543HM    | -          | -       | 6 - 135 | 10 - 135 | 10 - 135      | 1                   | 1              | 4932498318   | 4058546521875 |
|                   | 300              | 17             | 1.5      | S1243HM    | -          | -       | 6 - 150 | 10 - 200 | 10 - 200      | 1                   | 1              | 4932498319   | 4058546521882 |
|                   | 450              | 17             | 1.5      | S2243HM    | -          | -       | 6 - 150 | 10 - 350 | 10 - 350      | 1                   | 1              | 48001460     | 045242235353  |
|                   | 235              | 8.5            | 3        | S1141HM    | -          | -       | 6 - 135 | 10 - 135 | 10 - 135      | 1                   | 1              | 4932498320   | 4058546521899 |
|                   | 300              | 8.5            | 3        | S1241HM    | -          | -       | 4 - 150 | 10 - 200 | 10 - 200      | 1                   | 1              | 4932498321   | 4058546521905 |
|                   | 450              | 8.5            | 3        | S2041HM    | -          | -       | 4 - 150 | 10 - 350 | 10 - 350      | 1                   | 1              | 4932498322   | 4058546521912 |

### SAWZALL™ blades for special materials

#### Special application: Ductwork blade

Plunge tip - fast plunging in materials < 0.6 mm. No need for extra tools.

Versatility - tapered blade body profile allows for tight radius cutting and square cuts.

Longlife - optimized tooth geometry 30 tpi for cutting thin material 0.6 - 1.5 mm. Most common spiral duct is 0.8 mm thick.



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 85                | 0.8              | 30             | 5             | 1                   | 48471630       | 045242368037 |

#### Special application: Drywall / plasterboard blade



Precise depth of cut - short blade length, protects from unintentional cuts in pipes or wiring.

Special tooth geometry produces less dust than a jobsaw handtool - cuts clean without ripping the drywall.

Plunge tip - fast and effortless plunging.

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|-----|-----|---------------|---------------------|----------------|--------------|
| 63                | -                | -              | Yes | Yes | 1             | 1                   | 48471640       | 045242368044 |

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|-----|-----|---------------|---------------------|----------------|--------------|
| 125               | 4.2              | 6              | Yes | Yes | 5             | 1                   | 48475052       | 045242368150 |

#### Special application: Insulation material / carton / foam

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No.   |   |     |     |     | Pack quantity | Min. order quantity | Article Number | EAN Code |              |
|-------------------|------------------|----------------|------------|---|-----|-----|-----|---------------|---------------------|----------------|----------|--------------|
|                   | 300              | Wave knife     | Wave knife | - | Yes | Yes | Yes | Yes           | 1                   | 1              | 48001084 | 045242079902 |

#### Special application: Frozen materials

| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. |        |   |   |   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|----------------|----------|--------|---|---|---|---------------|---------------------|----------------|---------------|
|                   | 230              | 6              | 4.2      | -      | - | - | - | 100           | 1                   | 4932501783     | 4058546644994 |
|                   | 300              | 6              | 4.2      | S1211K | - | - | - | 1             | 1                   | 48001082       | 045242079889  |
|                   | 400              | 6              | 4.2      | -      | - | - | - | 1             | 1                   | 48001083       | 045242079896  |

### Special Application: Flush cut blade



Flush cuts against floor - floor guard protects teeth from floor contact when cutting flush to the floor.  
Extra tall blade body - guides blade for straighter cuts ie. when cutting out doors and windows in wood construction.

FANG TIP™ - for easy and quick plunging.

Suitable for cutting all types of wood and nail embedded wood. Not suitable for brick, masonry or steel.



| Blade length (mm) | Tooth pitch (mm) | Teeth per inch | Ref. No. | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|-------------------|------------------|----------------|----------|---------------|---------------------|----------------|--------------|
| 300               | 5                | 5              | -        | 1             | 1                   | 48001600       | 045242253272 |

### SAWZALL™ blade sets

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---|---------------|---------------------|----------------|--------------|
| <b>SAWZALL™ blade set (5pc)</b>   |               |                     |                |              |
| ① 1 x AX™ wood with nails - 230 mm, 1 x WRECKER™ multi material - 230 mm, 1 x TORCH™ metal - 230 mm, 1 x TORCH™ metal - 150 mm, 1 x TORCH™ metal - 150 mm                                     | 5             | 1                   | 49472205       | 045242481408 |
| <b>SAWZALL™ carbide demolition blades set (5pc)</b>   |               |                     |                |              |
| ② Wood with nails: 2 x AX™ carbide - 230 mm / 5TPI. Metal: 2 x TORCH™ carbide - 150 mm / 8 TPI, 1 x TORCH™ carbide - 230 mm / 8 TPI   | 5             | 1                   | 49472206       | 045242481446 |
| <b>SAWZALL™ blade set (10pc)</b>  |               |                     |                |              |
| ③ 3 x THIN KERF metal - 150 mm, 3 x THIN KERF metal - 150 mm, 2 x THIN KERF wood with nails - 150 mm, 1 x THIN KERF wood with nails - 230 mm, 1 x THIN KERF metal - 230 mm                    | 10            | 1                   | 49472211       | 045242481958 |
| <b>SAWZALL™ blade set (12pc)</b>  |               |                     |                |              |
| ④ 2 x AX™ wood with nails - 150 mm, 2 x AX™ wood with nails - 230 mm, 4 x TORCH™ metal - 150 mm, 2 x TORCH™ metal - 230 mm, 2 x WRECKER™ multi material - 150 mm                              | 12            | 1                   | 49472229       | 045242481934 |
| <b>SAWZALL™ blade set (13pc)</b>  |               |                     |                |              |
| ⑤ 2 x WRECKER™ multi material - 150 mm, 2 x AX™ wood with nails - 150 mm, 2 x AX™ wood with nails - 230 mm, 4 x TORCH™ metal - 150 mm, 2 x TORCH™ metal - 230 mm, 1 x TORCH™ carbide - 150 mm | 13            | 1                   | 49472231       | 045242481460 |



### HACKZALL™ blades

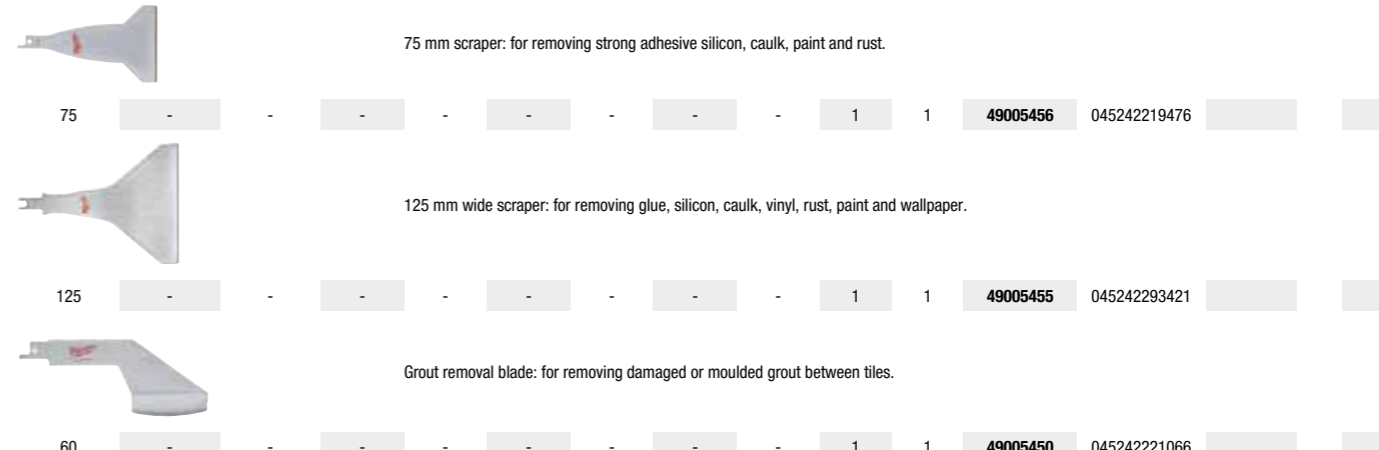
Especially engineered blades for exclusive use on 12 V HACKZALL™.

Bi-Metal construction for increased tooth durability.

Optimised tooth form for aggressive and faster cutting.

Thinner blade body for better speed of cut and up to 35% more cuts per charge vs. standard Bi Metal blades.

| Blade length (mm)  | Tooth pitch (mm) | Teeth per inch |         |           |         |       |        |           | Pack quantity | Min. order quantity | Article Number | EAN Code     |   |          |              |
|--|------------------|----------------|---------|-----------|---------|-------|--------|-----------|---------------|---------------------|----------------|--------------|---|----------|--------------|
| 100  | 4.2              | 6              | -       | -         | -       | -     | 6 - 40 | Ø 10 - 40 | 5             | 1                   | 48475460       | 045242367788 |   |          |              |
| 150  | 1.8              | 14             | 3 - 6   | Ø 10 - 32 | 3 - 6   | 3 - 6 | -      | Ø 10 - 50 | 5             | 1                   | 49005614       | 045242160334 |   |          |              |
| 100  | 1.4              | 18             | 1.5 - 4 | Ø 10 - 32 | 1.5 - 4 | -     | -      | -         | 5             | 1                   | 49005418       | 045242160341 |   |          |              |
| 100  | 1                | 25             | 0.5 - 3 | Ø 8 - 32  | 0.5 - 3 | -     | -      | -         | 5             | 1                   | 49005424       | 045242160358 |   |          |              |
| 75   | -                | -              | -       | -         | -       | -     | -      | -         | 1             | 1                   | 49005456       | 045242219476 |   |          |              |
| 125  | -                | -              | -       | -         | -       | -     | -      | -         | 1             | 1                   | 49005455       | 045242293421 |   |          |              |
| 60   | -                | -              | -       | -         | -       | -     | -      | -         | 1             | 1                   | 49005450       | 045242221066 |   |          |              |
| <b>HACKZALL™ blade set (10 pc)</b><br>2 x 49005460, 3 x 49005614, 3 x 49005424, 2 x 49005418 |                  |                |         |           |         |       |        |           |               |                     |                | 10           | 1 | 49220220 | 045242160365 |





# JIGSAW BLADES

## MATERIAL QUALITIES

### HCS

- High Carbon Steel jigsaw blades are used for cutting all types of wood and plastics.

### HSS

- High Speed Steel blades are suited to cutting metal, non ferrous metal and aluminium.

### CARBIDE GRIT

- These blades have a tungsten carbide grit edge making them suitable for abrasive materials.

### TC

- Blades with tungsten carbide tipped teeth are ideally suited to glassfibre reinforced products. Those blades with a continuous tungsten carbide tooth strip cutting edge are suitable for extremely hard materials such as stainless steel.

### BI-METAL

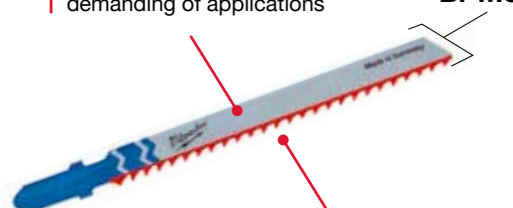
- Bi-Metal blades consist of high speed steel teeth electron beam welded onto a flexible alloy steel back. These blades offer maximum performance in the most demanding applications in both wood and metal.

### BI-METAL BLADES OFFER THE FOLLOWING BENEFITS:

- Flexible and shatter resistant
- Longer lifetime. Metal cutting blades offer double the lifetime and wood cutting blades more than 5 times the lifetime over conventional HCS and HSS blades.
- High wear rate and heat resistance ensure the teeth stay sharp longer.
- Faster cutting performance.

Flexible and shatter resistant steel back for the most demanding of applications

Bi-Metal



High speed steel teeth with extra hard cutting edge

## Blade colour code

## Shank colour means application



= For all types of wood, laminated chipboard, chipboard, plywood, blockboard and plastics. Silver colour blade body.



= For all types of ferrous and non-ferrous metals, steel, aluminium, brass, copper, stainless steel, lead, tin and sandwich materials. Silver colour blade body.



= For cutting a range of products, carton, rubber, fibreglass, foam and abrasive materials. Black colour blade body.



= Bi-Metal blades come with a white body and then the corresponding colour shank; yellow for wood and blue for metal.



## Jigsaw blades for wood and plastic

### Traditional blades

Traditional blades that deliver good and solid performance.

| Blade length (mm) | Tooth pitch (mm) | Ref. No. | Image 1 | Image 2 | Image 3 | Image 4 | Image 5 | Image 6 | Image 7 | Image 8 | Image 9 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|---------------------|----------------|---------------|
| 50                | 2                | T 119 B  | < 20    | -       | < 20    | Yes     | -       | No      | No      | No      | No      | 5             | 1                   | 4932274353     | 4002395301553 |
| 75                | 3                | T 111 C  | 5 - 50  | -       | < 40    | -       | Yes     | No      | No      | No      | No      | 5             | 1                   | 4932254071     | 4002395301539 |

### Curve cutting blades

All of our curve cutting blades are characterised by a narrow blade body for improved manoeuvrability.

Jigsaw blade 4932265312 and 4932430143 has cutting teeth on both sides.

The teeth on the back of the blade allows one to cut tight and acute curves with simplicity.

For best results work without pendulum action when cutting tight curves.

|    |         |          |      |      |      |     |     |     |    |     |     |    |   |            |               |
|----|---------|----------|------|------|------|-----|-----|-----|----|-----|-----|----|---|------------|---------------|
| 50 | 1.35    | T 101 A0 | < 20 | < 20 | < 15 | Yes | No  | Yes | No | No  | No  | 5  | 1 | 4932373392 | 4002395348879 |
| 50 | 2       | T 119 B0 | < 20 | -    | < 20 | Yes | No  | Yes | No | No  | No  | 5  | 1 | 4932274650 | 4002395301485 |
| 75 | 2.5     | Curve    | < 30 | < 20 | < 20 | Yes | No  | Yes | No | Yes | Yes | 5  | 1 | 4932430143 | 4002395378043 |
| 75 | 4 / 1.2 | Special  | < 30 | -    | < 30 | No  | Yes | Yes | No | No  | No  | 5  | 1 | 4932265312 | 4002395301478 |
| 75 | 4       | T 244 D  | < 50 | -    | -    | No  | Yes | Yes | No | Yes | Yes | 5  | 1 | 4932346078 | 4002395312375 |
|    |         |          |      |      |      |     |     |     |    |     |     | 25 | 1 | 4932373492 | 4002395349920 |

### Fast cut blades

The sharp and aggressive tooth geometry is ideal for very fast cutting of wood.

|     |   |          |       |   |   |    |     |    |    |     |     |     |   |            |               |
|-----|---|----------|-------|---|---|----|-----|----|----|-----|-----|-----|---|------------|---------------|
| 75  | 4 | T 144 D  | < 50  | - | - | No | Yes | No | No | Yes | Yes | 5   | 1 | 4932213116 | 4002395301492 |
|     |   |          |       |   |   |    |     |    |    |     |     | 25  | 1 | 4932373487 | 4002395349272 |
|     |   |          |       |   |   |    |     |    |    |     |     | 100 | 1 | 4932430461 | 4002395381227 |
| 75  | 4 | T 144 DF | < 50  | - | - | No | Yes | No | No | Yes | Yes | 5   | 1 | 4932373391 | 4002395348862 |
| 105 | 4 | T 344 D  | < 80  | - | - | No | Yes | No | No | Yes | Yes | 5   | 1 | 4932311633 | 4002395301508 |
| 155 | 4 | T 744 D  | 5-125 | - | - | No | Yes | No | No | Yes | Yes | 5   | 1 | 4932354745 | 4002395324095 |

### Fast and clean cutting blades

Triple sharpened tooth geometry for fast and super clean splinter free cuts. Plunge tip for fast plunging.

| Blade length (mm) | Tooth pitch (mm) | Ref. No. |        |        |     |      |    |    |     |    |   | Pack quantity | Min. order quantity | Article Number | EAN Code |
|-------------------|------------------|----------|--------|--------|-----|------|----|----|-----|----|---|---------------|---------------------|----------------|----------|
| 91                | 2.5              | T 234 X  | 3 - 60 | 3 - 60 | Yes | < 45 | No | No | Yes | No | 5 | 1             | 4932430141          | 4002395378029  |          |

### Clean and splinter free cutting blades

The following blades have diagonally sharpened side teeth resulting in a very clear splinter free cut.

|  |     |     |          |      |      |    |      |     |    |    |    |    |   |            |               |
|--|-----|-----|----------|------|------|----|------|-----|----|----|----|----|---|------------|---------------|
|  | 75  | 2.5 | T 101 B  | < 30 | < 60 | No | < 30 | Yes | No | No | No | 5  | 1 | 4932254061 | 4002395301522 |
|  |     |     |          |      |      |    |      |     |    |    |    | 25 | 1 | 4932373489 | 4002395349296 |
|  | 75  | 2.5 | T 101 BF | < 30 | < 60 | No | < 30 | Yes | No | No | No | 5  | 1 | 4932373390 | 4002395348855 |
|  | 75  | 4   | T 101 D  | < 50 | < 60 | No | < 45 | Yes | No | No | No | 5  | 1 | 4932274351 | 4002395301515 |
|  |     |     |          |      |      |    |      |     |    |    |    | 25 | 1 | 4932373490 | 4002395349906 |
|  | 105 | 3   | T 301 CD | < 80 | < 60 | No | -    | Yes | No | No | No | 5  | 1 | 4932399306 | 4002395359202 |
|  | 105 | 4   | T 301 DL | < 80 | < 80 | No | < 50 | Yes | No | No | No | 5  | 1 | 4932346071 | 4002395312399 |
|  |     |     |          |      |      |    |      |     |    |    |    |    |   |            |               |

### Precise straight cutting blades: Kitchen worktops

The following blades benefit from a thicker blade body guaranteeing extra stiffness and consequently a more accurate vertical cut. Ideal for those applications where a true square cut is necessary - i.e. kitchen worktops.

|  |     |   |          |      |      |    |      |     |    |    |     |   |   |            |               |
|--|-----|---|----------|------|------|----|------|-----|----|----|-----|---|---|------------|---------------|
|  | 75  | 4 | T 101 DP | < 60 | < 60 | No | < 45 | Yes | No | No | Yes | 5 | 1 | 4932373080 | 4002395346073 |
|  | 105 | 4 | T 101 DP | < 80 | < 80 | No | < 50 | Yes | No | No | Yes | 5 | 1 | 4932373388 | 4002395348831 |

### Special application: Kitchen worktops / laminated chipboard

These blades have a reversed tooth design, this means that the blade cuts on the downward stroke making them extremely suitable for clean and splinter free cuts in laminated chipboard and especially kitchen worktops in situ.

For best results work without pendulum action.

|  |     |     |          |      |      |    |      |     |    |    |    |   |   |            |               |
|--|-----|-----|----------|------|------|----|------|-----|----|----|----|---|---|------------|---------------|
|  | 75  | 2.5 | T 101 BR | < 30 | < 60 | No | < 60 | Yes | No | No | No | 5 | 1 | 4932346079 | 4002395312382 |
|  | 105 | 2.5 | T101BR   | < 50 | < 80 | No | < 80 | Yes | No | No | No | 5 | 1 | 4932348072 | 4002395313860 |

### Special application: Laminated flooring / parquet flooring

Blade 4932373392 is ideally suited for cutting curves and irregular shapes. Use blade 4932373083 for straight cuts.

|  |    |      |          |        |     |      |      |     |    |     |    |   |   |            |               |
|--|----|------|----------|--------|-----|------|------|-----|----|-----|----|---|---|------------|---------------|
|  | 50 | 1.35 | T 101 A0 | < 20   | No  | < 20 | < 15 | Yes | No | Yes | No | 5 | 1 | 4932373392 | 4002395348879 |
|  | 60 | 1.9  | Special  | 3 - 20 | Yes | Yes  | -    | Yes | No | No  | No | 5 | 1 | 4932373083 | 4002395346080 |

### Jigsaw blades for metal

#### Traditional blades

Blade reference 4932274652 is especially suited to cutting very thin sheet material because of its low 0.7 mm tooth pitch.

For those professionals desiring extra lifetime and durability we recommend the use of Bi-Metal blades in conjunction with a suitable cooling lubricant, the blades lifetime is double that of non Bi-Metal blades.

| Blade length (mm) | Tooth pitch (mm) | Ref. No. |         |         |      |         |        |   |        |   |   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|----------|---------|---------|------|---------|--------|---|--------|---|---|---------------|---------------------|----------------|---------------|
| 55                | 0.7              | T 118 G  | 0.5 - 2 | 0.5 - 2 | -    | -       | -      | - | -      | - | - | 5             | 1                   | 4932274652     | 4002395301621 |
| 55                | 1.2              | T 118 A  | 1.5 - 4 | 1.5 - 4 | -    | -       | -      | - | -      | - | - | 5             | 1                   | 4932254063     | 4002395301614 |
|                   |                  |          |         |         |      |         |        |   |        |   |   | 25            | 1                   | 4932373486     | 4002395349265 |
| 55                | 1.2              | T 118 AF | 1.5 - 4 | 1.5 - 4 | -    | 1.2 - 2 | -      | - | -      | - | - | 5             | 1                   | 4932340011     | 4002395304684 |
| 66                | 1.2              | T 118 A  | 1.5 - 4 | 1.5 - 4 | -    | -       | -      | - | -      | - | - | 5             | 1                   | 4932345826     | 4002395313464 |
| 105               | 1                | T 318 A  | 1 - 4   | 1 - 4   | < 85 | -       | -      | - | -      | - | - | 5             | 1                   | 4932399307     | 4002395359219 |
| 55                | 2                | T 118 B  | 3 - 6   | 3 - 6   | -    | -       | 3 - 10 | - | -      | - | - | 5             | 1                   | 4932254064     | 4002395301591 |
| 55                | 2                | T 118 BF | 3 - 6   | 3 - 6   | -    | 2 - 3   | 3 - 10 | - | 2 - 30 | - | - | 5             | 1                   | 4932340012     | 4002395304691 |
| 75                | 2.5              | T 101 A  | -       | 2 - 10  | < 45 | -       | 3 - 10 | - | 2 - 20 | - | - | 5             | 1                   | 4932274651     | 4002395301577 |

#### Universal application blades

These blades are suitable for cutting a wide variety of materials ranging from steel, aluminium, wood with nails, plastics and sandwich composites. Blade 4932373086 with its extra length (155 mm) is suitable for cutting thick corrugated sandwich material.

|     |           |          |          |         |       |   |        |        |   |   |   |   |   |            |               |
|-----|-----------|----------|----------|---------|-------|---|--------|--------|---|---|---|---|---|------------|---------------|
| 91  | 2.5 / 1.8 | T 123 XF | 2.5 - 10 | 3 - 10  | < 50  | - | 4 - 10 | -      | - | - | - | 5 | 1 | 4932430142 | 4002395378036 |
| 105 | 1.2       | T 318 AF | 1.5 - 4  | 1.5 - 4 | < 85  | - | -      | -      | - | - | - | 5 | 1 | 4932274654 | 4002395301607 |
| 105 | 2         | T 318 BF | 3 - 6    | 3 - 6   | < 85  | - | 3 - 10 | 4 - 30 | - | - | - | 5 | 1 | 4932274653 | 4002395301584 |
| 155 | 1         | T 718 AF | 1 - 4    | 1 - 4   | < 125 | - | -      | -      | - | - | - | 5 | 1 | 4932373086 | 4002395346097 |

#### Curve cutting blades

Especially narrower saw blade body allows one to cut tight curves in a range of metallic materials.

|    |     |         |         |         |   |   |        |        |   |   |   |   |   |            |               |
|----|-----|---------|---------|---------|---|---|--------|--------|---|---|---|---|---|------------|---------------|
| 55 | 1.2 | T 218 A | 1.5 - 4 | 1.5 - 4 | - | - | -      | -      | - | - | - | 5 | 1 | 4932346082 | 4002395312368 |
| 75 | 3   | T 227 D | 3.5 - 6 | 3.5 - 6 | - | - | 4 - 15 | 4 - 30 | - | - | - | 5 | 1 | 4932346081 | 4002395312351 |

### Special application: Aluminium

Most traditional blades are also capable of cutting aluminium, however these two blades benefit from a larger tooth pitch and wider gullets offering better material removal which is an advantage when cutting aluminium.

When cutting curves or irregular shapes in aluminium we recommend the use of blade 4932346081.

| Blade length (mm) | Tooth pitch (mm) | Ref. No. |  |  |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|----------|---|---|---|---|---|---|---------------|---------------------|----------------|---------------|
| 75                | 3                | T 127 D  | 3.5 - 6   | 3.5 - 6   | -   | -   | 4 - 15  | 4 - 30  | 5             | 1                   | 4932274315     | 4002395301560 |

### Special application: Stainless steel

This blades teeth consist of a carbide tipped strip making it the most suitable and durable blade for steels with a high alloy content such as stainless steel.









For best results work without pendulum action and use cutting oil as a lubricant.

| Blade length (mm) | Tooth pitch (mm) | Ref. No.  |  |  |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|-----------|---|---|---|---|---|---|---------------|---------------------|----------------|---------------|
| 50                | 1.1              | T 118 AHM | 1.5 - 3   | 1.5 - 3   | -   | 1.5 - 3   | -   | -   | 2             | 1                   | 4932373393     | 4002395348886 |









### Jigsaw blades for special materials

#### Special applications: Fibreglass / reinforced plastics / acrylic glass




Blade 4932373387 and 4932493687 have tungsten carbide teeth for longer lifetime in hard materials such as GRP/GFK – glass reinforced plastics / fibreglass and WPC - wood plastic composite.

| Blade length (mm) | Tooth pitch (mm) | Ref. No.    |  |  |  |  |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code   |               |
|-------------------|------------------|-------------|---|---|---|---|---|---|---|--|---------------|---------------------|----------------|------------|---------------|
| 75                | 2.5              | T 101 A sp. | 2 - 10  | -   | No  | No  | -   | 2 - 20  | -   | -  | No            | 5                   | 1              | 4932274651 | 4002395301577 |
| 75                | 4.2              | T 141 HM    | -   | -   | No  | No  | 5 - 20  | -   | 5 - 20  | -  | Yes           | 1                   | 1              | 4932399308 | 4002395359226 |
| 91                | 3.3              | T301CHM     | -   | < 60  | No  | No  | 5 - 20  | 2 - 20  | 5 - 20  | -  | Yes           | 2                   | 1              | 4932493687 | 4058546508470 |
| 105               | 4.2              | T 341 HM    | -   | < 60  | No  | No  | 5 - 20  | -   | 5 - 20  | -  | No            | 1                   | 1              | 4932373387 | 4002395348824 |

#### Special application: Abrasive materials / cast iron

| Blade length (mm) | Grain    | Ref. No.          |  |  |  |  |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code |            |               |
|-------------------|----------|-------------------|---|---|---|---|---|---|---|--|---------------|---------------------|----------------|----------|------------|---------------|
| 54                | Grain 30 | T 130 Coarse grit | -   | -   | Yes   | Yes   | < 15  | -   | -   | Yes  | 5 - 15        | No                  | 1              | 1        | 4932213231 | 4002395301645 |
| 54                | Grain 50 | T 150 Fine        | -   | -   | Yes   | Yes   | < 10  | -   | -   | Yes  | 5 - 15        | No                  | 1              | 1        | 4932213232 | 4002395301652 |

### Special application: Insulation material





| Blade length (mm) | Tooth pitch (mm) | Ref. No. |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|----------|---|---|---|---|---------------|---------------------|----------------|---------------|
| 155               | Wave knife       | T 313 AW | Yes   | Yes   | Yes   | Yes   | 5             | 1                   | 4932430144     | 4002395378050 |

### Jigsaw blade sets - T-Shank reception

| Description  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|---------------------|----------------|---------------|
| ① Jigsaw blades set (5pc) - suitable for applications in wood and metal<br>Jigsaw blade 4932213116, 4932254061, 4932254063, 4932254064, 4932254071   | 5             | 1                   | 4932345825     | 4002395314850 |
| ② Jigsaw blades set (35pc) - suitable for applications in wood and metal<br>Contents: 7 x 4932213116 - T144D wood fast cut, 7 x 4932274351 - T101D wood clean cut, 7 x 4932254061 - T101B wood extra clean cut, 7 x 4932346078 - T244D wood fast curve cut, 7 x 4932254063 - T118A metal | 35            | 12                  | 4932479088     | 4058546368821 |



### U-Shank jigsaw blades

| Blade length (mm) | Tooth pitch (mm) | Ref. No.    |  |  |  |  |  |  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------------|------------------|-------------|---|---|---|---|---|---|---------------|---------------------|----------------|---------------|
| 75                | 4                | A 2202      | 5 - 60  | < 60  | -   | No  | Yes   | Yes   | 5             | 1                   | 4932354508     | 4002395321070 |
| 75                | 2.5              | A5035/A5041 | < 30  | < 60  | < 30  | Yes   | No  | No  | 5             | 1                   | 4932354506     | 4002395321056 |

OSCILLATING MULTI-TOOL BLADES

# STARLOCK

NO COMPONENTS OR ADAPTORS REQUIRED

FAST BLADE CHANGES

100% POWER TRANSMISSION FROM TOOL TO ACCESSORY

## ONE UNIVERSAL SYSTEM

### WHY MILWAUKEE®?

- ① BEST LIFETIME & DURABILITY
- ② ALL-TRADE FOCUSED SOLUTIONS
- ③ FULLY-STACKED COMPREHENSIVE RANGE
- ④ OVER 22 OMT PRODUCTS IN THE RANGE



**CARBIDE EXTREME**

Multi Material 35mm plunge cut carbide toothed blade for extra long-life (30X more life than standard blades).

48906040

# 30x MORE CUTS

**CARBIDE EXTREME**

| Description   | Soft Wood | Hard Wood | Plastic | Wood+Nails | Metal | Grout | Tile Adhesive | Pack quantity | ART.#    |
|---|-----------|-----------|---------|------------|-------|-------|---------------|---------------|----------|
| Wood 35mm plunge cut blade.   | ✓         |           | ✓       |            |       |       |               | 1             | 48906001 |
| Wood 35mm plunge cut blade with 3 cut tooth geometry for fast and clean cuts.   | ✓         | ✓         | ✓       |            |       |       |               | 1             | 48906011 |
| Wood 65mm wide plunge cut blade.  | ✓         |           | ✓       |            |       |       |               | 1             | 48906005 |
| Wood 65mm wide plunge cut blade with 3 cut tooth geometry for fast and clean cuts.  | ✓         | ✓         | ✓       |            |       |       |               | 1             | 48906015 |
| Wood 35mm plunge cut Bi-Metal blade for long-life and 3 cut tooth geometry for fast and clean cuts.   | ✓         | ✓         | ✓       |            |       |       |               | 1             | 48906017 |
| Wood with nails 20mm narrow plunge cut Bi-Metal blade for long-life.  | ✓         |           | ✓       | ✓          |       |       |               | 1             | 48906000 |
| Wood with nails 35mm plunge cut Bi-Metal blade for long-life.   | ✓         |           | ✓       | ✓          |       |       |               | 1             | 48906021 |
| Wood with nails 65mm plunge cut Bi-Metal blade for long-life.   | ✓         |           | ✓       | ✓          |       |       |               | 1             | 48906027 |
| Multi Material 28mm plunge cut Bi-Metal blade for long-life.  | ✓         | ✓         | ✓       | ✓          | ✓     |       |               | 1             | 48906031 |
| Multi Material 43mm plunge cut Bi-Metal blade for long-life.  | ✓         | ✓         | ✓       | ✓          | ✓     |       |               | 1             | 48906035 |
| Multi Material 95mm plunge cut carbide toothed blade for extra long-life (30X more life than standard blades).  | ✓         | ✓         | ✓       | ✓          | ✓     |       |               | 1             | 48906040 |
| Multi Material 85mm diameter segmented flush cut blade.   | ✓         | ✓         | ✓       | ✓          | ✓     |       |               | 1             | 48906038 |
| Multi Material 100mm diameter segmented flush cut Bi-Metal blade for long-life.   | ✓         | ✓         | ✓       | ✓          | ✓     |       |               | 1             | 48906039 |
| Grout removal 2.2mm thick carbide grit blade. For removing damaged grout between wall or floor tiles.   |           |           |         |            |       | ✓     |               | 1             | 48906051 |
| Grout removal 1.2mm thick carbide grit blade. For removing damaged grout between wall or floor tiles.   |           |           |         |            |       | ✓     |               | 1             | 48906050 |
| Grout removal 2.2mm thick diamond grit blade for extra long life. For removing damaged grout between wall or floor tiles. 5x more life than carbide grout blades. |           |           |         |            |       | ✓     |               | 1             | 48906053 |
| Grout removal 1.2mm thick diamond grit blade for extra long life. For removing damaged grout between wall or floor tiles. 5x more life than carbide grout blades. |           |           |         |            |       | ✓     |               | 1             | 48906052 |
| Rasp with carbide grit for rough sanding and smoothing of tile adhesive, mortar and wood.   | ✓         |           |         |            |       |       | ✓             | 1             | 48906054 |
| Firm scraper for removal of hard residues like hard adhesives, tile adhesives, concrete residues and old paint.   |           |           |         |            |       |       | ✓             | 1             | 48906062 |

### SANDING

Sanding pad with 6 holes, hook and loop fixation.

48906070



### Description

Perforated sanding discs for wood, paint, lacquer and plaster 93x93x3mm.

Powergrid Mesh - 80-240 grit  
High performance - 40-240 grit  
Standard - 40-240 grit

## Multi-Tool accessories - STARLOCK reception

STARLOCK universal blade reception makes Milwaukee® blades compatible with the most popular oscillating tools.

### Wood cutting blades

| Description   | Width (mm) | Length (mm) | Soft wood | Hard Wood | Plastics | Wood with nails | Metal channel and profiles | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---|------------|-------------|-----------|-----------|----------|-----------------|----------------------------|---------------|---------------------|----------------|--------------|
| ① Wood 35 mm plunge cut blade   | 35         | 42          | ✓         |           | ✓        |                 |                            | 1             | 1                   | 48906001       | 045242600298 |
|   |            |             |           |           |          |                 |                            | 10            | 1                   | 48906004       | 045242600281 |
| ② Wood 35 mm plunge cut blade with 3 cut tooth geometry for fast and clean cuts                       | 35         | 42          | ✓         | ✓         | ✓        |                 |                            | 1             | 1                   | 48906011       | 045242600304 |
|   |            |             |           |           |          |                 |                            | 10            | 1                   | 48906014       | 045242600311 |
| ③ Wood 65 mm wide plunge cut blade  | 65         | 42          | ✓         |           | ✓        |                 |                            | 1             | 1                   | 48906005       | 045242600274 |
|   |            |             |           |           |          |                 |                            | 50            | 1                   | 48906505       | 045242739943 |
| ④ Wood 65 mm wide plunge cut blade with 3 cut tooth geometry for fast and clean cuts                  | 65         | 42          | ✓         | ✓         | ✓        |                 |                            | 1             | 1                   | 48906015       | 045242600328 |
|   |            |             |           |           |          |                 |                            |               |                     |                |              |
| ⑤ Wood 35 mm plunge cut Bi-Metal blade for long life and 3 cut tooth geometry for fast and clean cuts | 35         | 42          | ✓         | ✓         | ✓        |                 |                            | 1             | 1                   | 48906017       | 045242600335 |
|   |            |             |           |           |          |                 |                            | 10            | 1                   | 48906019       | 045242600342 |



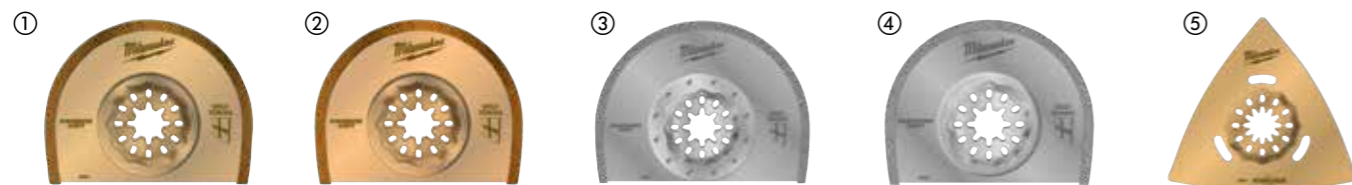
### Multi material cutting blades

| Description   | Width (mm) | Length (mm) | Soft wood | Hard Wood | Plastics | Wood with nails | Metal channel and profiles | Pack quantity | Min. order quantity | Article Number | EAN Code     |              |
|---|------------|-------------|-----------|-----------|----------|-----------------|----------------------------|---------------|---------------------|----------------|--------------|--------------|
| ① Wood with nails 20mm narrow plunge cut Bi-Metal blade for long life                                       | 20         | 34          | ✓         | ✓         | ✓        | ✓               |                            | 1             | 1                   | 48906000       | 045242670673 |              |
| ② Wood with nails 35 mm plunge cut Bi-Metal blade for long life   | 35         | 42          | ✓         | ✓         | ✓        | ✓               |                            | 1             | 1                   | 48906021       | 045242600359 |              |
|   |            |             |           |           |          |                 |                            | 10            | 1                   | 48906024       | 045242600366 |              |
|   |            |             |           |           |          |                 |                            | 50            | 1                   | 48906521       | 045242739929 |              |
| ③ Wood with nails 65 mm plunge cut Bi-Metal blade for long life   | 65         | 42          | ✓         |           | ✓        | ✓               |                            | 1             | 1                   | 48906027       | 045242600373 |              |
|   |            |             |           |           |          |                 |                            | 50            | 1                   | 48906527       | 045242739950 |              |
| ④ Multi Material 28 mm plunge cut Bi-Metal blade for long life  | 28         | 47          | ✓         | ✓         | ✓        | ✓               | ✓                          |               | 1                   | 1              | 48906031     | 045242600380 |
|   |            |             |           |           |          |                 |                            |               | 10                  | 1              | 48906034     | 045242600397 |
|   |            |             |           |           |          |                 |                            |               | 50                  | 1              | 48906531     | 045242739936 |
| ⑤ Multi Material 43 mm plunge cut Bi-Metal blade for long life  | 43         | 47          | ✓         | ✓         | ✓        | ✓               |                            | 1             | 1                   | 48906035       | 045242600403 |              |
| ⑥ Multi Material 35 mm plunge cut carbide toothed blade for extra long life (30x life than standard blades) | 35         | 32          | ✓         | ✓         | ✓        | ✓               | ✓                          |               | 1                   | 1              | 48906040     | 045242600458 |
| ⑦ Multi Material 85 mm diameter segmented flush cut blade   | 85         | 20          | ✓         | ✓         | ✓        | ✓               | ✓                          |               | 1                   | 1              | 48906038     | 045242600410 |
| ⑧ Multi Material 100 mm diameter segmented flush cut Bi-Metal blade for long life                           | 100        | 28          | ✓         | ✓         | ✓        | ✓               | ✓                          |               | 1                   | 1              | 48906039     | 045242600427 |



### Grout removal and rasping blades

| Description   | Width (mm) | Length (mm) | Grout | Tile adhesive | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---|------------|-------------|-------|---------------|---------------|---------------------|----------------|--------------|
| ① Grout removal 2.2 mm carbide grit blade. For removing damaged grout between wall or floor tiles                     | 75         | 20          | ✓     |               | 1             | 1                   | 48906051       | 045242600441 |
| ② Grout removal 1.2 mm carbide grit blade. For removing damaged grout between wall or floor tiles                     | 75         | 20          | ✓     |               | 1             | 1                   | 48906050       | 045242600434 |
| ③ Grout removal 2.2 mm diamond grit blade for extra long life. For removing damaged grout between wall or floor tiles | 90         | 25          | ✓     |               | 1             | 1                   | 48906053       | 045242600489 |
| ④ Grout removal 1.2 mm diamond grit blade for extra long life. For removing damaged grout between wall or floor tiles | 75         | 25          | ✓     |               | 1             | 1                   | 48906052       | 045242600465 |
| ⑤ Rasp with carbide grit for rough sanding and smoothing of tile adhesive, mortar and wood                            | 80         | 80          |       | ✓             | 1             | 1                   | 48906054       | 045242600496 |



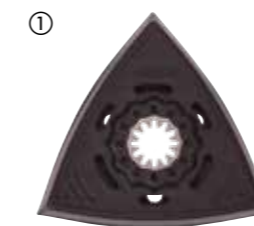
### Scraping and cutting blades

| Description  | Width (mm) | Length (mm) | Tile adhesive | Adhesives | Carpet | Silicon / Acrylic | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|--|------------|-------------|---------------|-----------|--------|-------------------|---------------|---------------------|----------------|--------------|
| ① Flexible scraper for removal of soft residues like silicone, acrylic, carpet adhesive and old paint            | 52         | 37          |               | ✓         |        | ✓                 | 1             | 1                   | 48906061       | 045242600540 |
| ② Firm scraper for removal of hard residues like hard adhesives, tile adhesives, concrete residues and old paint | 52         | 37          | ✓             | ✓         | ✓      |                   | 1             | 1                   | 48906062       | 045242600557 |
| ③ Flexible cutter/scraper for silicone and soft window putty material  | 70         | -           |               |           |        | ✓                 | 1             | 1                   | 48906063       | 045242600564 |
| ④ Knife with 3 cutting edges. For cutting carpet, PVC flooring, cardboard and roofing felt                       | 40         | -           |               |           | ✓      |                   | 1             | 1                   | 48906060       | 045242600519 |



### Sanding / polishing / cleaning

| Description                            | Width (mm) | Length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|--|------------|-------------|---------------|---------------------|----------------|--------------|
| ① Sanding pad 93 x 93 mm - Hook & Loop | 93         | 93          | 1             | 1                   | 48906070       | 045242600571 |



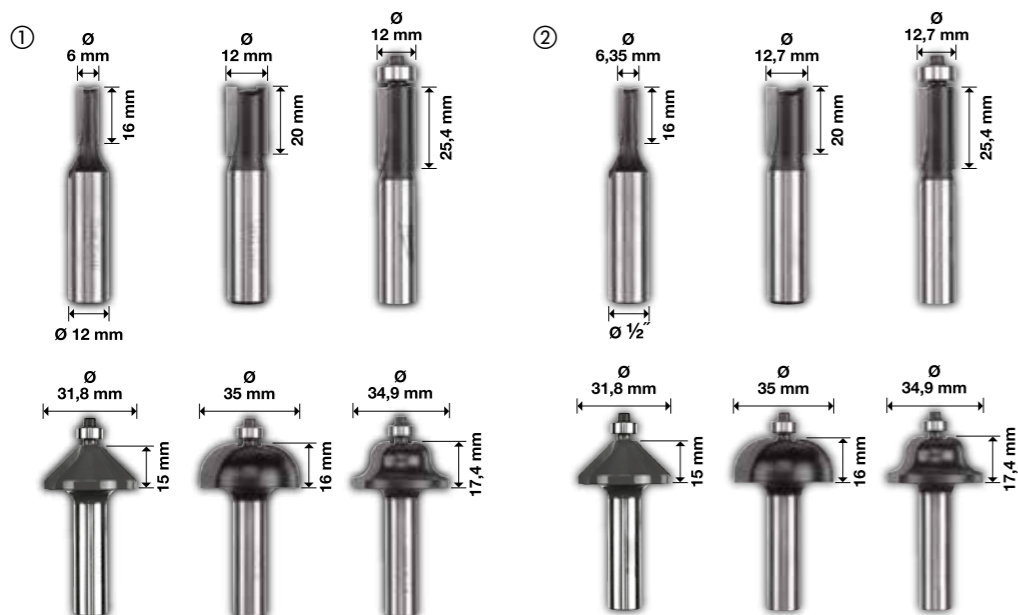
### Multi-tool sets

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|---|---------------|---------------------|----------------|--------------|
| <b>Wood blade set (5pc)</b>   |               |                     |                |              |
| ① 2 x 48906001 35mm wood plunge cut blade, 2 x 48906011 35mm soft and hard wood plunge cut blade with 3 cut tooth geometry, 1 x 48906021 35mm wood and nails Bi-Metal plunge cut blade  | 5             | 12                  | 48906114       | 045242670680 |
| <b>Wood and metal blade set (5pc)</b>   |               |                     |                |              |
| ② 1 x 48906011 35mm soft and hardwood plunge cut blade with 3 cut tooth geometry, 2 x 48906021 35mm wood and nails Bi-Metal plunge cut blade, 2 x 48906031 28mm multi material plunge cut blade   | 5             | 12                  | 48906115       | 045242670697 |
| <b>Renovation set (8pc)</b>   |               |                     |                |              |
| ③ 2 x multi mat. 28mm plunge cut blade, 2 x multi mat. 43mm plunge cut blade, 1 x grout removal 2.2mm carbide blade, 1 x 3X cutting knife, 1 x rasp carbide grit, 1 x flexible scraper 52mm   | 8             | 1                   | 48906088       | 045242600649 |
| <b>General multi-tool blade set (11pc)</b>  |               |                     |                |              |
| ④ 2 x 35 mm plunge cut blade, 2 x 65 mm plunge cut blade, 1 x 65 mm 3C fast plunge cut blade, 2 x multi mat. 28 mm plunge cut blade, 2 x multi mat. 43 mm plunge cut blade, 1 x multi mat. 85 mm seg. flush cut blade, 1 x firm scraper 52 mm | 11            | 1                   | 48906090       | 045242600663 |



### Router bit sets

| Description                                 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| ① Router bit set with 12mm shank (6pc)      | 6             | 1                   | 4932493578     | 4058546484491 |
| ② Router bit set with 1/2" inch shank (6pc) | 6             | 1                   | 4932493579     | 4058546484507 |



DESIGNED FOR USE IN  
**PACKOUT**



## MILWAUKEE® ROUTER BITS

### BEST FINISH // DURABILITY // PRECISION

MILWAUKEE® Router Bits are designed for unmatched precision and long-lasting performance. Whether you're shaping edges, cutting grooves, or crafting custom joinery, our router bits deliver clean, consistent results on every pass. Engineered for durability, they're ready for any jobsite or workshop. Explore our full range of Router Bits — perfect for professionals who demand accuracy, control, and cutting-edge reliability.

### FEATURES

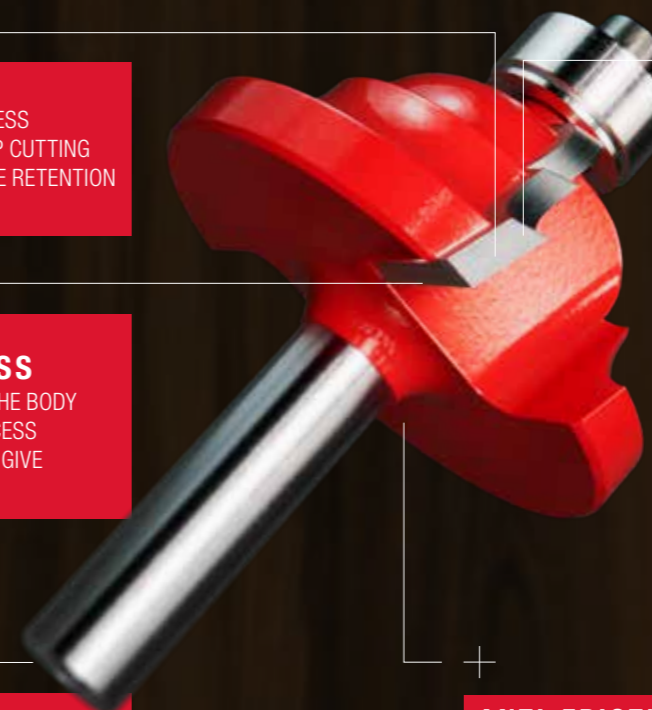
**ULTRA SHARP**  
MULTI AXIS GRINDING PROCESS  
PRODUCES AN ULTRA SHARP CUTTING  
EDGE GEOMETRY. BEST EDGE RETENTION  
- STAYS SHARPER LONGER

**COBALT INFUSED  
CARBIDE**  
COBALT MICRO GRAIN TUNGSTEN  
CARBIDE FOR BEST DURABILITY AND  
LIFETIME. THICK CARBIDE FOR MULTIPLE  
RESHARPENINGS

**TRIPLE LAYER  
BRAZING PROCESS**  
CARBIDE IS BRAZED ONTO THE BODY  
USING A TRIPLE LAYER PROCESS  
(SILVER-COPPER-SILVER) TO GIVE  
THE STRONGEST BOND

**SUPERIOR STEEL**  
PRODUCED FROM BEST QUALITY SOLID  
STEEL BAR STOCK FOR EXTRA STRENGTH  
AND PERFECT CONCENTRICITY OF THE  
SHANK

**ANTI-FRICTION COATING**  
REDUCES BINDING, FRICTION AND HEAT BUILD UP.  
CUTS COOL. PROTECTS AGAINST CORROSION AND  
ACCUMULATION OF RESIN

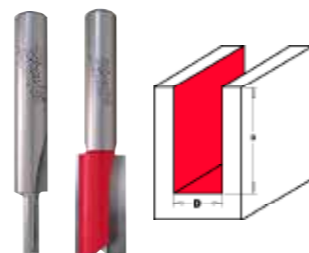


## Straight bits

2 carbide edges ensure clean, smooth and precise grooves or slots in soft/hard woods, MDF, plastic coated boards, plywood, plastics and composites. Bits from 3-8mm diameter are solid carbide for better durability and lifetime.

With bottom cutting edge making them ideal for plunge cuts.

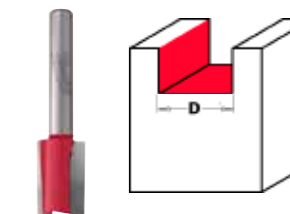
On small diameters as well as long router bits make multiple shallow passes to prevent damaging the bit. Ref. 4932501169 is supplied with an extra carbide cutting edge at the tip for better performance and lifetime.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Solid carbide HW | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 3.2           | 45                | 9.5                 | Yes              | 1             | 1                   | 4932500852     | 4058546621544 |
| 1/4"                | 4             | 45                | 10                  | Yes              | 1             | 1                   | 4932500853     | 4058546621551 |
| 1/4"                | 4.75          | 50.8              | 12.7                | Yes              | 1             | 1                   | 4932500854     | 4058546621568 |
| 1/4"                | 5             | 50                | 12                  | Yes              | 1             | 1                   | 4932500855     | 4058546621575 |
| 1/4"                | 6             | 50                | 16                  | Yes              | 1             | 1                   | 4932500856     | 4058546621582 |
| 1/4"                | 6             | 60                | 25.4                | Yes              | 1             | 1                   | 4932501163     | 4058546624651 |
| 1/4"                | 6.35          | 50.8              | 19                  | Yes              | 1             | 1                   | 4932500857     | 4058546621599 |
| 1/4"                | 6.35          | 60                | 25.4                | Yes              | 1             | 1                   | 4932500858     | 4058546621605 |
| 1/4"                | 8             | 50                | 20                  | Yes              | 1             | 1                   | 4932500859     | 4058546621612 |
| 1/4"                | 9.5           | 63.5              | 31.7                |                  | 1             | 1                   | 4932500861     | 4058546621636 |
| 1/4"                | 9.5           | 63.5              | 25.4                |                  | 1             | 1                   | 4932500860     | 4058546621629 |
| 1/4"                | 10            | 48                | 20                  |                  | 1             | 1                   | 4932500862     | 4058546621643 |
| 1/4"                | 12            | 50                | 20                  |                  | 1             | 1                   | 4932500863     | 4058546621650 |
| 1/4"                | 12            | 60                | 31.7                |                  | 1             | 1                   | 4932501164     | 4058546624668 |
| 1/4"                | 12.7          | 57.2              | 19                  |                  | 1             | 1                   | 4932500864     | 4058546621667 |
| 1/4"                | 12.7          | 70                | 31.7                |                  | 1             | 1                   | 4932500865     | 4058546621674 |
| 1/4"                | 15            | 57.2              | 20                  |                  | 1             | 1                   | 4932501165     | 4058546624675 |
| 1/4"                | 19            | 57.2              | 20                  |                  | 1             | 1                   | 4932500866     | 4058546621681 |
| 1/2"                | 6.35          | 63.5              | 19                  | Yes              | 1             | 1                   | 4932500867     | 4058546621698 |
| 1/2"                | 9.5           | 73                | 31.7                |                  | 1             | 1                   | 4932500868     | 4058546621704 |
| 1/2"                | 10            | 60                | 31.7                |                  | 1             | 1                   | 4932501166     | 4058546624682 |
| 1/2"                | 12            | 70                | 31.7                |                  | 1             | 1                   | 4932501167     | 4058546624699 |
| 1/2"                | 12.3          | 63.5              | 25.4                |                  | 1             | 1                   | 4932500869     | 4058546621711 |
| 1/2"                | 12.7          | 76.2              | 31.7                |                  | 1             | 1                   | 4932500870     | 4058546621728 |
| 1/2"                | 12.7          | 108               | 50.8                |                  | 1             | 1                   | 4932500871     | 4058546621735 |
| 1/2"                | 12.7          | 111               | 63.5                |                  | 1             | 1                   | 4932500872     | 4058546621742 |
| 1/2"                | 16            | 70                | 31.7                |                  | 1             | 1                   | 4932501168     | 4058546638849 |
| 1/2"                | 19            | 63.5              | 25.4                |                  | 1             | 1                   | 4932500873     | 4058546621759 |
| 1/2"                | 19            | 82.5              | 38.1                |                  | 1             | 1                   | 4932500874     | 4058546621766 |
| 1/2"                | 25.4          | 76.2              | 31.7                |                  | 1             | 1                   | 4932500875     | 4058546621773 |
| 1/2"                | 12.7          | 108               | 50.8                |                  | 4             | 1                   | 4932501050     | 4058546623524 |

## Morticing hinge bits

2 extra thick carbide tips for producing tenons, mortices and for recessing hinges. The carbide tips have a negative shear angle ensuring a splinter free finish.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 12.7          | 54                | 20                  | 1             | 1                   | 4932500921     | 4058546622237 |

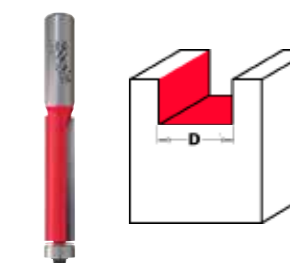
## Flush trimming bits

Carbide 2 flute bit with bottom bearing for self-guiding

The bearing has the same diameter as the cutter making it ideal for trimming one surface flush with an adjoining surface for plastic or wood overlays.

Trimming bits with a shear cutting angled flute require less feed pressure so cut quicker. The angled flute means there is less force on the cutting edge for less breakages plus they reduce the risk of tear-out for even cleaner cuts in wood and melamine boards.

After resharpening replace the bearing as follows. Bearing B8 Ø 9,5mm 4932501062 with bearing B9 Ø 9,3mm 4932501063. Bearing B10 Ø 12,7mm 4932501064 with bearing B12 Ø 12,5mm 4932501066.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Solid carbide HW | Cutting Angle (°) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|------------------|-------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 6.35          | 63.5              | 25.4                | Yes              | 0°                | 1             | 1                   | 4932500923     | 4058546622251 |
| 1/4"                | 9.5           | 55.5              | 12.7                |                  | 0°                | 1             | 1                   | 4932501173     | 4058546638894 |
| 1/4"                | 9.5           | 68.2              | 25.4                |                  | 0°                | 1             | 1                   | 4932500924     | 4058546622268 |
| 1/4"                | 12.7          | 70.7              | 25.4                |                  | -3°               | 1             | 1                   | 4932500925     | 4058546622275 |
| 1/4"                | 12.7          | 71                | 25.4                |                  | 0°                | 1             | 1                   | 4932501174     | 4058546638900 |
| 1/2"                | 12.7          | 94                | 38.1                |                  | 0°                | 1             | 1                   | 4932500926     | 4058546622282 |
| 1/2"                | 12.7          | 104               | 50.8                |                  | 0°                | 1             | 1                   | 4932500927     | 4058546622299 |
| 1/2"                | 19            | 110               | 50.8                |                  | -3°               | 1             | 1                   | 4932500928     | 4058546622305 |

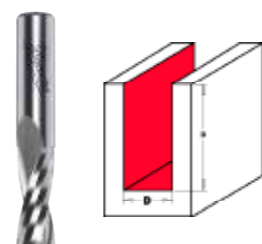
## Upcut spiral solid carbide bits

Upcut spiral bits have a sharpened tip so they plunge faster and as deep as you like without stopping; in comparison standard straight bits only plunge in intervals of 25mm maximum.

An upcut spiral bit removes the chips upwards for optimum chip clearance resulting in faster feed rates without burning and a clean finish on the bottom of the material.

Suitable for soft/hard woods, MDF, plastic coated boards, plywood, plastics and composites.

For use on portable/benchtop routers as well as CNC machines.



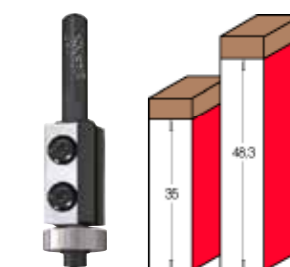
| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Solid carbide HW | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 3.18          | 50.8              | 12.7                | Yes              | 1             | 1                   | 4932500908     | 4058546622107 |
| 1/4"                | 3.97          | 50.8              | 12.7                | Yes              | 1             | 1                   | 4932500909     | 4058546622114 |
| 1/4"                | 4.76          | 50.8              | 19.05               | Yes              | 1             | 1                   | 4932500910     | 4058546622121 |
| 1/4"                | 6.35          | 63.5              | 25.4                | Yes              | 1             | 1                   | 4932500911     | 4058546622138 |
| 1/2"                | 12.7          | 76.2              | 31.75               | Yes              | 1             | 1                   | 4932500912     | 4058546622145 |

## Flush trimming bits with carbide insert knives

Straight flush router bit with two replaceable carbide insert knives with bottom bearing.

Knives have 4 x 35° cutting edges so can be rotated to give double the life.

Ø8mm shaft with one bearing and larger Ø12 / 1/2" shaft with double bottom bearing



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Bearing type | Collar type | Knives type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|--------------|-------------|-------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| 1/2"                | 19            | 112               | 50                  | B6           | C4          | K4          | S2, S3             | W4                     | 1             | 1                   | 4932500934     | 4058546622367 |

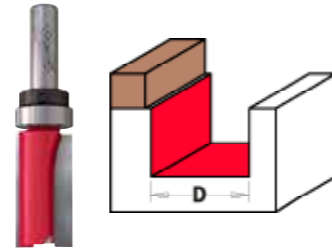
## Template profile bits

Carbide 2 flute bit with top bearing for precise self-guiding along a template without the need of a guide bush, forming an exact duplicate of the template.

Also perfect for cutting repeatable and complex shapes.

The bearing has the same diameter as the cutter.

Bits have a bottom cutting edge so can be plunged prior to following a template.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Bearing type | Collar type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|--------------|-------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 12.7          | 57.2              | 19                  | B1           | C1          | 1             | 1                   | 4932500937     | 4058546622398 |
| ¼"                  | 12.7          | 70                | 31.7                | B1           | C1          | 1             | 1                   | 4932501175     | 4058546638917 |
| ¼"                  | 15.8          | 66.5              | 19                  | B2           | C1          | 1             | 1                   | 4932500938     | 4058546622404 |
| ½"                  | 19            | 92                | 50.8                | B4           | C4          | 1             | 1                   | 4932500939     | 4058546622411 |

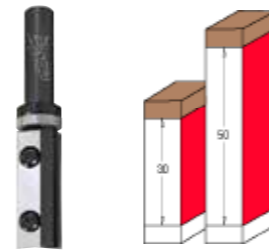
## Template profile bits with carbide insert knives

Pattern router bit with two replaceable carbide insert knives. With top bearing for precise self-guiding along a template without the need of a guide bush for pattern duplication, to cut repeatable and complex shapes.

Knives have 4 x 35° cutting edges so can be rotated to give double the life.

The knife has a 3° cutting angle for plunge and high precision cuts.

Especially suited to trimming laminate.



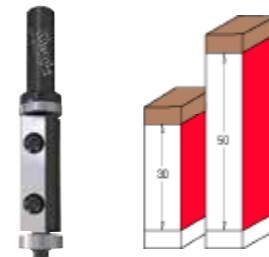
| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Bearing type | Collar type | Knives type | Screws / Nuts type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|--------------|-------------|-------------|--------------------|---------------|---------------------|----------------|---------------|
| ½"                  | 19            | 100               | 48.3                | B4           | C4          | K2          | S2                 | 1             | 1                   | 4932500948     | 4058546622503 |

## Template /Flush trimming bits with carbide insert knives

Double bearing straight router bit with two replaceable carbide insert knives.

The double bearing gives the flexibility to place templates either on top or at the bottom of the material. It also can provide for more stability when high material removal is required.

Knives have 4 x 35° cutting edges so can be rotated to give double the life.



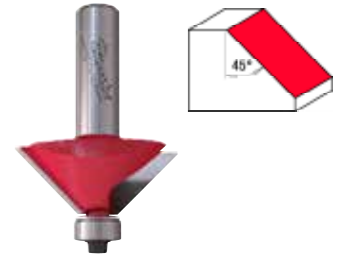
| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Bearing type | Collar type | Knives type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|--------------|-------------|-------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| ½"                  | 19            | 110               | 50                  | B4, B6       | C4          | K4          | S2, S3             | W4                     | 1             | 1                   | 4932500945     | 4058546622473 |

## Chamfer bits

Carbide 2 flute bit with bottom bearing for self-guiding with no need for a template.

For producing 45° chamfer edges on the corners of a workpiece.

After resharpening replace the bearing as follows. Bearing B8 Ø 9,5mm 4932501062 with bearing B9 Ø 9,3mm 4932501063. Bearing B10 Ø 12,7mm 4932501064 with bearing B12 Ø 12,5mm 4932501066.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 31.7          | 53.3              | 9.5                 | 45°               | B10          | S5                 | W2                     | 1             | 1                   | 4932501003     | 4058546623050 |
| ½"                  | 31.7          | 53.3              | 9.5                 | 45°               | B10          | S6                 | W3                     | 1             | 1                   | 4932501210     | 4058546639266 |
| ½"                  | 45            | 66.5              | 18                  | 45°               | B10          | S5                 | W2                     | 1             | 1                   | 4932501004     | 4058546623067 |

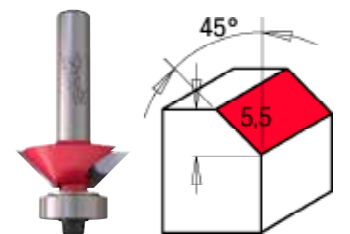
## Combi chamfer/trimming bits

Especially suited to chamfering laminate.

Ref 4932 5010 01 is supplied with 3 carbide cutting edges. Special short cutting length especially for chamfering plastic laminates and all wood types.

Ref 4932 5010 0 is supplied with 2 carbide cutting edges. Combination trim and chamfer cutter. Top side chamfers and bottom of the cutter will trim.

After resharpening replace the bearing as follows. Bearing B8 Ø 9,5mm 4932501062 with bearing B9 Ø 9,3mm 4932501063.

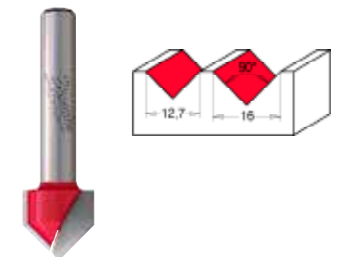


| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 17.5          | 51                | 9.5                 | 22°               | B8           | S5                 | W1                     | 1             | 1                   | 4932501001     | 4058546623036 |

## V Groove bits

Carbide 2 flute bit for multiple tasks. V grooves for decorative trim, chamfering edges and engraving/sign writing.

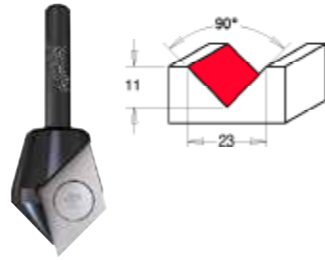
References 4932500955 and 4932500956 are particularly made for scoring V-grooves in aluminium composite panels or similar sandwich material so that it can be folded.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 12.7          | 44.5              | 12.7 / 6.35         | 90°               | 1             | 1                   | 4932500951     | 4058546622534 |
| ½"                  | 16            | 63.5              | 12.7 / 8            | 90°               | 1             | 1                   | 4932500952     | 4058546622541 |

## V Groove bits with carbide insert knives

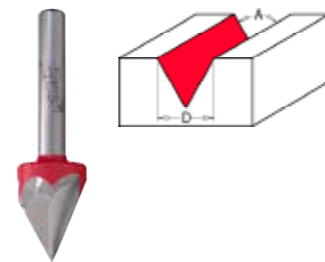
V groove router bit with one replaceable carbide insert knife.  
Knives have 4 x 35° cutting edges so can be rotated to give double the life.  
Ideal for sign writing and engraving.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Knives type | Screws / Nuts type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|-------------|--------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 23            | 60                | 11                  | 90°               | K5          | S4                 | 1             | 1                   | 4932500957     | 4058546622596 |

## Laser point bits

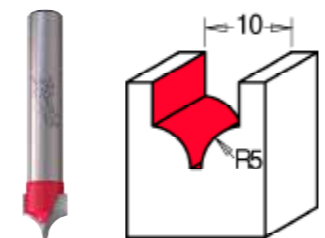
Solid carbide head with 3 cutting edges for maximum lifetime.  
Cuts fine lines with high accuracy making it ideal for sign writing and engraving.  
3 cutting edges reduce the risk of burning.  
Suitable for free hand use.  
Multi axis CNC grinding process produces a ultra sharp cutting edge geometry for best edge retention  
- Stays Sharper Longer.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 12.7          | 57.2              | 11                  | 60°               | 1             | 1                   | 4932500959     | 4058546622619 |

## Decorative beading bits

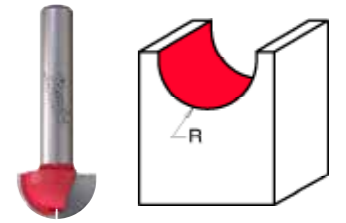
Carbide 2 flute bit.  
Produces a decorative bead effect for panels, door and drawer applications.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Radius (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 10 / 1.3      | 50                | 10                  | 5           | 1             | 1                   | 4932500961     | 4058546622633 |

## Radius Cove bits

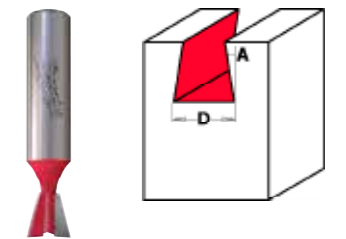
2 carbide edges ensure clean, smooth round bottom grooves. These can be used to plunge into the middle of the workpiece to create grooves as opposed to cove bits with a bearing.  
Bits with Ø 6 and 6,4mm diameter are solid carbide for better durability.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Radius (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 6.4           | 50.8              | 12.7                | 3.2         | 1             | 1                   | 4932500964     | 4058546622664 |
| ¼"                  | 12.7          | 50.8              | 9.5                 | 6.35        | 1             | 1                   | 4932500965     | 4058546622671 |
| ½"                  | 19            | 73                | 31.7                | 9.5         | 1             | 1                   | 4932500966     | 4058546622688 |

## Dovetail bits

2 carbide edges ensure clean cuts.  
For dovetail joints.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 12.7          | 52.4              | 12.7                | 14°               | 1             | 1                   | 4932500976     | 4058546622787 |
| ½"                  | 12.7          | 63.5              | 12.7                | 14°               | 1             | 1                   | 4932500977     | 4058546622794 |

## Slot cutter arbor and cutters

Slot cutter arbors are delivered with bearing, nut and three washers/spacers (1/3/4mm); the required 3 wing slot cutters need to be ordered extra.

3 wing carbide tipped slot cutters with anti kickback design for maximum safety come in a wide range of widths.

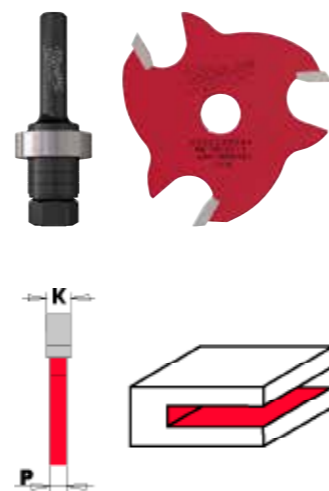
All cutters have a Ø 8mm bore and a maximum cutting depth of 12.8mm.

With red anti friction coating to prevent resin build up and jamming.

Applications: grooves for biscuit joining, slots for weather proofing on windows and door frames and tongue and groove joints.

Cobalt infused micro grain tungsten carbide for best durability and lifetime, thicker carbide so suitable for multiple resharpenings.

Carbide is brazed onto the body using a triple layer process (silver-copper-silver) to give the strongest bond.



| Description                              | Shank diameter (mm) | Total length (mm) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|-------------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| Router bit 1/4" shank Slot Cut Arbor-1pc | 1/4"                | 61                | B5           | S7                 | W6, W7,                | 1             | 1                   | 4932500980     | 4058546622824 |
| Router bit 1/2" shank Slot Cut Arbor-1pc | 1/2"                | 67.5              | B5           | S7                 | W6, W7,                | 1             | 1                   | 4932500981     | 4058546622831 |

## Tongue & Groove Cutter

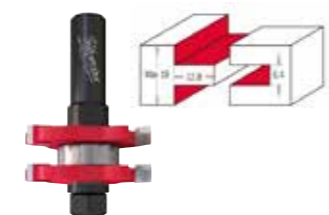
One piece design cutter for producing tongue and groove joints.

Makes tongue and groove cuts in wood up to 19mm thickness.

Maximum cutting depth 12.8mm.

Replacement slot cutter 6,4mm ref. 4932500993.

Ref 4932501177 is only the replacement shank

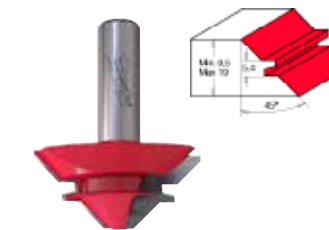


| Description  | Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting width (mm) | Bearing type | Collar type | Screws / Nuts type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|---------------|-------------------|---------------------|--------------------|--------------|-------------|--------------------|---------------|---------------------|----------------|---------------|
| Router bit 1/2" shank Tongue & Groove Cutter 47,6/19mm | 1/2"                | 47.6          | 71                | 19                  | 19                 | B5           | C6          | S7                 | 1             | 1                   | 4932501176     | 4058546638924 |
| Router bit 1/2" shank Tongue and Groove Arbor          | 1/2"                | Shank only    | -                 | -                   | -                  | -            | C6          | -                  | 1             | 1                   | 4932501177     | 4058546638931 |

## Mitre lock bits

This carbide 2 flute bit is used to make strong right angle glue joints as well as parallel joints in boxes and frame production.

Maximum 19mm material thickness.

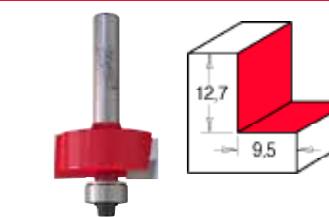


| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting Angle (°) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------------|--------------------|---------------|---------------------|----------------|---------------|
| 1/2"                | 50.8          | 60.3              | 21                  | 45°               | 9.5 / 19           | 1             | 1                   | 4932500994     | 4058546622961 |

## Rebate / mortising bits

Carbide 2 flute rebate bit with bottom bearing for self-guiding, suitable for rebating straight and curved workpieces.

Ideal for producing rebates and small tenons.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Cutting width (mm) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|--------------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 31.7          | 58.4              | 12.7                | 9.5                | B10          | S5                 | W2                     | 1             | 1                   | 4932500996     | 4058546622985 |
| 1/2"                | 31.7          | 61.2              | 12.7                | 9.5                | B10          | S5                 | W2                     | 1             | 1                   | 4932501208     | 4058546639242 |

## Rebate / mortising bits - vario

Carbide 2 flute rebate bit with bottom bearing for self-guiding, suitable for rebating straight and curved workpieces.

Ideal for producing rebates and small tenons.

The bearings can be interchanged to produce different depths of rebate.

Set includes rebating cutter, 6 bearings (diameter: 12,7/15,88/19,05/22/28,5/34,9), shield and fastening screw. Replacement bearing set ref. 4932501000.

When assembling ensure the black bearing washer is the right side up to correspond with the bearing rotation. Improper assembly can cause the screw to become loose.



| Shank diameter (mm) | Diameter (mm) | Working length (mm) | Cutting width (mm) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|---------------------|--------------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| 1/4"                | 34.9          | 12.7                | 0 - 12.7           | B8           | S5                 | W1                     | 1             | 1                   | 4932500998     | 4058546623005 |
| 6pcs Bearing set    |               |                     |                    |              |                    |                        | 6             | 1                   | 4932501000     | 4058546623029 |

## Roundover Ovolo bits

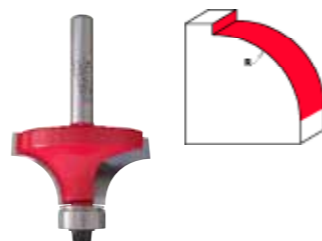
Carbide 2 fluted ovolo cutters are used to round over edges of materials to avoid sharp edges or to add a decorative touch to the workpiece.

Bearing guided so no need for a side fence.

If the router bit is lowered a top step can be produced.

After resharpening replace the bearing as follows. Bearing B10 Ø 12,7mm 4932501064 with bearing B12 Ø 12,5mm 4932501066.

Safety tip : ensure to keep the black bearing washer right side up to correspond with the bearing rotation when reassembling the bearing. Improper reassembly can cause the bit to unscrew.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Radius (mm) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 15.9          | 54                | 12.7                | 1.6         | B10          | S5                 | W1                     | 1             | 1                   | 4932501013     | 4058546623159 |
| ¼"                  | 19.1          | 54                | 12.7                | 3.2         | B10          | S5                 | W2                     | 1             | 1                   | 4932501014     | 4058546623166 |
| ¼"                  | 22.2          | 54                | 12.7                | 4.75        | B10          | S5                 | W2                     | 1             | 1                   | 4932501015     | 4058546623173 |
| ¼"                  | 25.4          | 54                | 12.7                | 6.35        | B10          | S5                 | W2                     | 1             | 1                   | 4932501016     | 4058546623180 |
| ¼"                  | 28.6          | 54                | 12.7                | 8           | B10          | S5                 | W2                     | 1             | 1                   | 4932501017     | 4058546623197 |
| ¼"                  | 31.7          | 57.3              | 16                  | 9.5         | B10          | S5                 | W2                     | 1             | 1                   | 4932501018     | 4058546623203 |
| ¼"                  | 38.1          | 61                | 19                  | 12.7        | B10          | S5                 | W2                     | 1             | 1                   | 4932501019     | 4058546623210 |
| ½"                  | 31.7          | 63.7              | 16                  | 9.5         | B10          | S5                 | W2                     | 1             | 1                   | 4932501212     | 4058546639280 |
| ½"                  | 44.5          | 70                | 22                  | 16          | B10          | S5                 | W2                     | 1             | 1                   | 4932501020     | 4058546623227 |
| ½"                  | 50.8          | 73                | 25.4                | 19          | B10          | S5                 | W2                     | 1             | 1                   | 4932501021     | 4058546623234 |

## Hinge boring bits

4 carbide cutting edges with center point for accurate positioning.

Right hand rotation.

Application: recessing for circular hinges.

Suitable for soft/hard woods, MDF and laminated boards.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------|---------------------|----------------|---------------|
| ½"                  | 35            | 60                | 1             | 1                   | 4932501040     | 4058546623425 |

## Sets

Cobalt infused micro grain tungsten carbide for best durability and lifetime, thicker carbide so suitable for multiple resharpenings. Carbide is brazed onto the body using a triple layer process (silver-copper-silver) to give the strongest bond. Multi axis CNC grinding process produces a ultra sharp cutting edge geometry for best edge retention - Stays Sharper Longer.

Anti-friction coating reduces binding, friction and heat build up for cooler cuts; it also protects the bit against corrosion and accumulation of resin.

Anti-Kickback Shoulder controls depth of cut and minimises kickback.

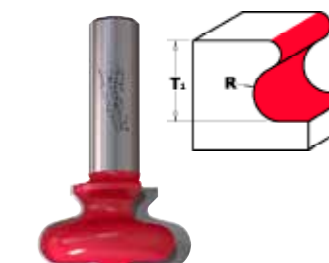


| Description  | Shank diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------------|---------------|---------------------|----------------|---------------|
| Router bit 1/4" shank two flute 5 pcs. straight bit set (4/6,35/8/10/12,7mm)   |                     |               |                     |                |               |
| Set contains the following router bit references: 4932500853, 4932500857, 4932500859, 4932500862, 4932500864                         | ¼"                  | 5             | 1                   | 4932501049     | 4058546623517 |
| Router bit 1/4" shank two flute 7 pcs. mixed bit set   |                     |               |                     |                |               |
| Set contains the following router bit references: 4932500924, 4932500938, 4932500965, 4932501003, 4932500996, 4932501033, 4932501018 | ¼"                  | 7             | 1                   | 4932501048     | 4058546623500 |
| Router bit 1/2" shank two flute 7 pcs mixed bit set  |                     |               |                     |                |               |
| Set contains the following router bit references: 4932500870, 4932500873, 4932500926, 4932500966, 4932501210, 4932501208, 4932501212 | ½"                  | 7             | 1                   | 4932501051     | 4058546623531 |
| Router bit 1/2" shank two flute straight bit 12.7m/108mm - 4pc UK Kitchen Fitter Set   | ½"                  | 4             | 1                   | 4932501050     | 4058546623524 |

## Finger pull bits

Carbide 2 flute bit to add finger pulls to wood door/cabinet door fronts instead of attaching a knob.

Recommended to be used at a reduced speed and only with a router table.

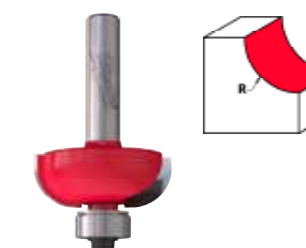


| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Radius (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------|---------------|---------------------|----------------|---------------|
| ½"                  | 19.05 / 9.5   | 57.2              | 19.05               | 4.76 / 2.4  | 1             | 1                   | 4932501009     | 4058546623111 |
| ½"                  | 38.1 / 17     | 61.8              | 20.7                | 6 / 1.8     | 1             | 1                   | 4932501010     | 4058546623128 |

## Cove bits

2 carbide edges ensure a clean concave rounded profile.

Bearing guided so no need for a side fence.



| Shank diameter (mm) | Diameter (mm) | Total length (mm) | Working length (mm) | Radius (mm) | Bearing type | Screws / Nuts type | Washers / Spacers type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|---------------|-------------------|---------------------|-------------|--------------|--------------------|------------------------|---------------|---------------------|----------------|---------------|
| ¼"                  | 31.7          | 54.2              | 12.7                | 9.5         | B10          | S5                 | W2                     | 1             | 1                   | 4932501033     | 4058546623357 |
| ¼"                  | 38.1          | 57.7              | 15.5                | 12.7        | B10          | S5                 | W2                     | 1             | 1                   | 4932501034     | 4058546623364 |

## Replacement bearings

MILWAUKEE® replacement ball bearings are designed to spin at high RPM and are double shielded for best performance. Use original MILWAUKEE® bearings to replace worn out bearings on router bits.



| Bearing type | Diameter (mm) | Bore size (mm) | Height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------|---------------|----------------|-------------|---------------|---------------------|----------------|---------------|
| B1           | 12.7          | 6.35           | 4.8         | 1             | 1                   | 4932501055     | 4058546623579 |
| B2           | 15.88         | 6.35           | 5           | 1             | 1                   | 4932501056     | 4058546623586 |
| B3           | 16            | 8              | 5           | 1             | 1                   | 4932501057     | 4058546623593 |
| B4           | 19            | 12.7           | 4           | 1             | 1                   | 4932501058     | 4058546623609 |
| B5           | 22            | 8              | 7           | 1             | 1                   | 4932501059     | 4058546623616 |
| B6           | 19            | 6              | 6           | 1             | 1                   | 4932501060     | 4058546623623 |
| B7           | 19            | 8              | 6           | 1             | 1                   | 4932501061     | 4058546623630 |
| B8           | 9.5           | 4.76           | 3.2         | 1             | 1                   | 4932501062     | 4058546623647 |
| B9           | 9.3           | 4.76           | 3.2         | 1             | 1                   | 4932501063     | 4058546623654 |
| B10          | 12.7          | 4.76           | 5           | 1             | 1                   | 4932501064     | 4058546623661 |
| B11          | 19            | 6.35           | 7           | 1             | 1                   | 4932501065     | 4058546623678 |
| B12          | 12.7          | 4.76           | 5           | 1             | 1                   | 4932501066     | 4058546623685 |
| B13          | 13            | 5              | 4           | 1             | 1                   | 4932501068     | 4058546623708 |
| B14          | 6.35          | 3.17           | 2.8         | 1             | 1                   | 4932501178     | 4058546638948 |
| B15          | 15.88         | 4.76           | 5           | 1             | 1                   | 4932501067     | 4058546623692 |

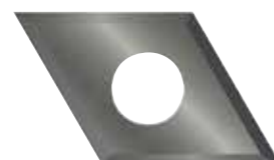
## Carbide knives

Hardness (HV10) 1.920. Transverse rupture strength 2,600 N/mm<sup>2</sup>.

High cutting efficiency for long lifetime.

Excellent resistance to corrosion and mechanical wear.

The knives need to be first pressed into the seating position and then they can be tightened to the specified torque. Thread M2.5=1Nm, M3=1.2Nm, M3.5=1.8Nm, M4=2.7Nm, M5=5.3Nm



| Knives type | Total length (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|-------------------|---------------|---------------------|----------------|---------------|
| K1          | 28 x 12           | 10            | 1                   | 4932501069     | 4058546623715 |
| K2          | 48.3 x 12         | 10            | 1                   | 4932501070     | 4058546623722 |
| K3          | 30 x 15           | 10            | 1                   | 4932501071     | 4058546623739 |
| K4          | 50 x 12           | 10            | 1                   | 4932501072     | 4058546623746 |
| K5          | 14 x 14           | 10            | 1                   | 4932501073     | 4058546623753 |
| K6          | 12 x 12           | 10            | 1                   | 4932501074     | 4058546623760 |

## Spare parts: screws/nuts

Replacement spare parts for router bits (screws/nuts/stop collars/spacers/bushes). Reduction bushes fit to the collet to allow the insertion of smaller shank router bits.



| Description                                    | Washers / Spacers type | Screws / Nuts type | Collar type | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|------------------------|--------------------|-------------|---------------|---------------------|----------------|---------------|
| Router bit screw S1 TX M4x6-1pc                |                        | S1                 |             | 1             | 1                   | 4932501075     | 4058546623777 |
| Router bit screw S2 TX M3x6-1pc                |                        | S2                 |             | 1             | 1                   | 4932501076     | 4058546623784 |
| Router bit screw S3 M4x6-1pc                   |                        | S3                 |             | 1             | 1                   | 4932501077     | 4058546623791 |
| Router bit screw S4 TX M5x5x5-1pc              |                        | S4                 |             | 1             | 1                   | 4932501078     | 4058546623807 |
| Router bit screw S5 1/8x3/8-1pc                |                        | S5                 |             | 1             | 1                   | 4932501079     | 4058546623814 |
| Router bit screw S6 M3x6-1pc                   |                        | S6                 |             | 1             | 1                   | 4932501080     | 4058546623821 |
| Router bit nut S7 M8-1pc                       |                        | S7                 |             | 1             | 1                   | 4932501081     | 4058546623838 |
| Router bit stop collar C1 1/4"-1pc             |                        |                    | C1          | 1             | 1                   | 4932501085     | 4058546623876 |
| Router bit stop collar C4 1/2"-1pc             |                        |                    | C4          | 1             | 1                   | 4932501088     | 4058546623906 |
| Router bit collar/spacer C5 E 9x3,25x1,6mm-1pc |                        |                    | C5          | 1             | 1                   | 4932501089     | 4058546623913 |
| Router bit stop collar C6 6,1x3,17-1pc         |                        |                    | C6          | 1             | 1                   | 4932501180     | 4058546638962 |
| Router bit washer W1 3/8"-1pc                  | W1                     |                    |             | 1             | 1                   | 4932501090     | 4058546623920 |
| Router bit washer W2 1/2"-1pc                  | W2                     |                    |             | 1             | 1                   | 4932501091     | 4058546623937 |
| Router bit washer W3 19 x 1/4"-1pc             | W3                     |                    |             | 1             | 1                   | 4932501092     | 4058546623944 |
| Router bit washer W4 M4-1pc                    | W4                     |                    |             | 1             | 1                   | 4932501093     | 4058546623951 |
| Router bit washer W5 M3-1pc                    | W5                     |                    |             | 1             | 1                   | 4932501094     | 4058546623968 |
| Router bit spacer W6-1pc                       | W6                     |                    |             | 1             | 1                   | 4932501082     | 4058546623845 |
| Router bit spacer W7-1pc                       | W7                     |                    |             | 1             | 1                   | 4932501083     | 4058546623852 |
| Router bit spacer W8-1pc                       | W8                     |                    |             | 1             | 1                   | 4932501084     | 4058546623869 |
| Router bit reduction bush 8mm - 6mm-1pc        |                        |                    |             | 1             | 1                   | 4932501181     | 4058546638979 |
| Router bit reduction bush 8mm - 1/4"-1pc       |                        |                    |             | 1             | 1                   | 4932501182     | 4058546638986 |
| Router bit reduction bush 1/2 - 1/4"-1pc       |                        |                    |             | 1             | 1                   | 4932501183     | 4058546638993 |
| Router bit reduction bush 12mm - 8mm-1pc       |                        |                    |             | 1             | 1                   | 4932501184     | 4058546639006 |

# CIRCULAR SAW BLADES

**CUTS COOLER. INCREASED ACCURACY. LONGER LIFE.**



**CUTS COOLER**  
ANTI-FRICTION COATING

**INCREASED ACCURACY**  
LASER CUT TECHNOLOGY

**COBALT INFUSED TUNGSTEN CARBIDE TEETH**  
PRODUCE SHARP AND CLEAN CUTS



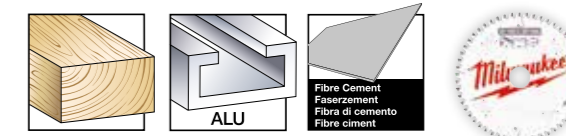
## Circular saw blades for hand held circular saws

PTFE coating: Cuts cooler, non stick for quicker cuts. Protects against corrosion and accumulation of resin.

Laser cut vibration slots: Low vibration and increased accuracy.

High grade laser cut steel: Guaranteed accuracy.

Premium cobalt infused tungsten carbide: Sharp and clean cuts.



| Blade | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Hook angle | Tooth form | Thin kerf* | All wood types* | Abrasive Particleboard, Fibrecement Board, Fiberglass | Plastics | Non ferrous metals profiles alu | Fast cut | Clean Cut | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------|----------------|--------------|---------------------------|------------|------------|------------|-----------------|---|----------|---------------------------------|----------|-----------|---------------|---------------------|----------------|---------------|
| 140   | 20             | 18           | 1.6                       | +18°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471310     | 4058546289386 |
|       |                | 24           | 2.2                       | +15°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471290     | 4058546289188 |
| 160   | 20             | 48           | 2.2                       | +5°        | ATB        |            | ✓               |   |          |                                 |          | ✓         | 1             | 1                   | 4932471291     | 4058546289195 |
|       |                | 52           | 2.2                       | -5°        | TF         |            |                 |   | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471292     | 4058546289201 |
|       |                | 4            | 1.8                       | +10°       | D          |            |                 | ✓   |          |                                 | ✓        |           | 1             | 1                   | 4932471293     | 4058546289218 |
| 165   | 5/8"           | 24           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471311     | 4058546289393 |
|       |                | 40           | 1.6                       | +18°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471312     | 4058546289409 |
| 165   | 20             | 4            | 2.2                       | 10°        | D          |            |                 | ✓   |          |                                 | ✓        | ✓         | 1             | 1                   | 4932493217     | 4058546480882 |
|       |                | 24           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471931     | 4058546298302 |
|       |                | 40           | 1.6                       | +18°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471932     | 4058546298319 |
|       |                | 52           | 1.6                       | +2°        | ATB        | ✓          |                 |   | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932479087     | 4058546368814 |
|       |                | 24           | 2.2                       | +15°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471294     | 4058546289225 |
|       |                | 48           | 2.2                       | +5°        | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471295     | 4058546289232 |
| 165   | 30             | 52           | 2.2                       | -5°        | TF         |            |                 |   | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471296     | 4058546289249 |
|       |                | 24           | 1.8                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932399909**   | 4002395365644 |
| 184   | 5/8"           | 24           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471378     | 4058546290061 |
|       |                | 40           | 2.1                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471379     | 4058546290078 |
| 184   | 30             | 24           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471297     | 4058546289256 |
|       |                | 40           | 2.1                       | +10°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471298     | 4058546289263 |
|       |                | 54           | 2.4                       | -5°        | TF         |            |                 |   | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471299     | 4058546289270 |
| 190   | 30             | 24           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471300     | 4058546289287 |
|       |                | 24 **        | 1.8                       | +12°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932498976     | 4058546528454 |
|       |                | 36           | 1.6                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471301     | 4058546289294 |
| 235   | 30             | 48           | 2.1                       | +10°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471380     | 4058546290085 |
|       |                | 54           | 2.4                       | -5°        | TF         |            |                 |   | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471303     | 4058546289317 |
|       |                | 4            | 1.8                       | +10°       | D          |            |                 | ✓   |          |                                 | ✓        |           | 1             | 1                   | 4932471304     | 4058546289324 |
|       |                | 16           | 2.4                       | +15°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471324     | 4058546289522 |
| 210   | 30             | 48           | 2.8                       | +10°       | ATB        | ✓          | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471325     | 4058546289539 |
|       |                | 24           | 2.4                       | +15°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471305     | 4058546289331 |
|       |                | 36           | 2.4                       | +15°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471306     | 4058546289348 |
|       |                | 48           | 2.4                       | +10°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471307     | 4058546289355 |
|       |                | 60           | 2.4                       | +10°       | ATB        |            | ✓               |   |          |                                 | ✓        |           | 1             | 1                   | 4932471308     | 4058546289362 |
|       |                | 60           | 2.4                       | -5°        | TF         |            | ✓               |   |          | ✓                               | ✓        | ✓         | 1             | 1                   | 4932471309     | 4058546289379 |

### Circular Saw Blade Twin Packs

|   |   |   |            |               |
|---|---|---|------------|---------------|
| <b>165 x 5/8" Twin pack set (2pc)</b><br>2 x 165x5/8"x24 tooth, fast cut wood blade (4932471311)  | 2 | 1 | 4932479836 | 4058546376307 |
| <b>165 x 5/8" Twin pack set (2pc)</b><br>1 x 165x5/8"x24 tooth, fast cut wood blade (4932471311) + 1 x 165x5/8"x40 tooth, clean cut wood blade (4932471312) | 2 | 1 | 4932479837 | 4058546376314 |
| <b>165 x 20 mm Twin pack set (2pc)</b><br>2 x 165x20x40 tooth, fast and clean cut wood blade (4932471932)   | 2 | 1 | 4932492433 | 4058546418007 |
| <b>190 x 30 mm Twin pack set (2pc)</b><br>1 x 190x30x24 tooth, fast cut wood blade (4932471300) + 1 x 190x30x48 tooth, clean cut wood blade (4932471380)    | 2 | 1 | 4932479574 | 4058546373689 |
| <b>190 x 30 mm Twin pack set (2pc)</b><br>2 x 190x30x24 tooth, fast cut wood blade (4932471300)   | 2 | 1 | 4932479804 | 4058546375980 |

## Circular saw blades for mitre saws

PTFE coating: Cuts cooler, non stick for quicker cuts. Protects against corrosion and accumulation of resin.  
Laser cut vibration slots: Low vibration and increased accuracy. Slots are filled with polyurethane and act as shock absorbers by isolating the teeth from vibration.  
High grade laser cut steel: Guaranteed accuracy.  
Premium cobalt infused tungsten carbide: Sharp and clean cuts.



| Blade diameter (mm) | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Hook angle | Tooth form | All wood types* | Plastics | Non ferrous metals profiles alu | Fast cut | Clean Cut | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|----------------|--------------|---------------------------|------------|------------|-----------------|----------|---------------------------------|----------|-----------|---------------|---------------------|----------------|---------------|
| 190                 | 30             | 40           | 2.4                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471314     | 4058546289423 |
|                     |                | 54           | 2.4                       | -5°        | TF         |                 | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471303     | 4058546289317 |
| 216                 | 30             | 24           | 2.4                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471315     | 4058546289430 |
|                     |                | 48           | 2.4                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471316     | 4058546289447 |
|                     |                | 60           | 2.4                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471317     | 4058546289454 |
| 250                 | 30             | 80           | 2.4                       | -5°        | TF         |                 | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471319     | 4058546289478 |
|                     |                | 40           | 2.8                       | +15°       | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932472015     | 4058546324117 |
| 254                 | 30             | 60           | 2.8                       | +15°       | ATB        | ✓               |          |                                 |          | ✓         | 1             | 1                   | 4932472016     | 4058546324124 |
|                     |                | 60           | 3.0                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471320     | 4058546289485 |
| 305                 | 30             | 80           | 3.0                       | -5°        | TF         |                 | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471318     | 4058546289461 |
|                     |                | 60           | 3.0                       | -5°        | ATB        | ✓               |          |                                 | ✓        |           | 1             | 1                   | 4932471321     | 4058546289492 |
|                     |                | 96           | 3.0                       | -5°        | TF         |                 | ✓        | ✓                               |          | ✓         | 1             | 1                   | 4932471323     | 4058546289515 |

### Circular Saw Blade Twin Packs

#### 216 x 30 mm Twin pack set (2pc)

1 x 216x30x48 tooth, fast cut wood blade (4932471316) + 1 x 216x30x60 tooth, clean cut wood blade (4932471317) 2 1 4932479575 4058546373696

#### 254 x 30 mm Twin pack set (2pc)

1 x 254x30x60 tooth, fast cut wood blade (4932471320) + 1 x 254x30x80 tooth, clean cut aluminium blade (4932471318) 2 1 4932479576 4058546373702

Thin Kerf: Cordless optimised, extra thin cutting width for maximum runtime  
All wood types: Soft/ hardwood, plywood, laminated chipboard, melamine, MDF

## Circular saw blades for table saws

PTFE coating: Cuts cooler, non stick for quicker cuts. Protects against corrosion and accumulation of resin.  
Laser cut vibration slots: Low vibration and increased accuracy. Slots are filled with polyurethane and act as shock absorbers by isolating the teeth from vibration.  
High grade laser cut steel: Guaranteed accuracy.  
Premium cobalt infused tungsten carbide: Sharp and clean cuts.  
\*\*Standard blades without PTFE coating and vibration slots



| Blade diameter (mm) | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Hook angle | Tooth form | Thin kerf* | All wood types* | Abrasive | Plastics | Non ferrous metals profiles alu | Fast cut | Clean Cut | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|----------------|--------------|---------------------------|------------|------------|------------|-----------------|----------|----------|---------------------------------|----------|-----------|---------------|---------------------|----------------|---------------|
| 210                 | 30             | 24           | 1.9                       | +25°       | ATB        | ✓          | ✓               |          |          |                                 |          | ✓         | 1             | 1                   | 4932478095     | 4058546340285 |

Thin Kerf: Cordless optimised, extra thin cutting width for maximum runtime  
All wood types: Soft/ hardwood, plywood, laminated chipboard, melamine, MDF

## NITRUS circular saw demolition blades

These blades are specifically designed for tough jobsite applications such as cutting wood with nails and fasteners  
Nitrus welded tooth technology ensures a stronger bonding joint and sharper tooth for best lifetime  
Diamond cut out cooling slots ensure the blade keeps cool for less distortion, straighter cuts and longest life



| Blade diameter (mm) | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Hook angle | Tooth form | Fast cut | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|----------------|--------------|---------------------------|------------|------------|----------|---------------|---------------------|----------------|---------------|
| 190                 | 30             | 24           | 1.6                       | +18°       | ATB        | ✓        | 1             | 1                   | 4932499376     | 4058546565404 |

## Circular saw blades for rebar cutter

| Blade diameter (mm) | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|----------------|--------------|---------------------------|---------------|---------------------|----------------|---------------|
| 137                 | 28             | 30           | 1.6                       | 1             | 1                   | 4932499702     | 4058546568665 |



## Circular saw blades for metal

NEW

1. Engineered tooth geometry for optimum performance.
2. Top grade carbide and cermet tooth tips for superior lifetime.
3. Fully hardened and tensioned blade body for accurate cuts.
4. Deep gullets provide rapid and efficient chip removal.
5. Laser cut resin filled expansion slots for noise and vibration dampening.

- Cuts clean. Burr free edges reduce extra finishing processes.
- Cuts cool. The cut material can be handled immediately after cutting.
- Cuts fast. Quicker than all other conventional cutting methods.
- Cost cutter. Less expensive per cut than abrasive discs.
- Reduced noise.
- Reduced vibration.
- Total safety: no sparks, no coolants, cool to touch.



| Blade diameter (mm) | Bore size (mm) | No. of teeth | Cutting width (kerf) (mm) | Material wall thickness (mm) | Mild steel | Sheet steel up to 2.5mm | Corrugated steel panels up to 2.5mm | Steel pipe | Stainless steel sheets | Cast iron | Copper | Aluminium | Rebar | Sandwich material (steel, foam, panels) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------|----------------|--------------|---------------------------|------------------------------|------------|-------------------------|-------------------------------------|------------|------------------------|-----------|--------|-----------|-------|---|---------------|---------------------|----------------|---------------|
| 135                 | 20             | 30           | 1.6                       | 1-2.5                        | ✓          | ✓                       | ✓                                   | ✓          | ♦                      | x         | x      | x         | x     | ✓                                       | 1             | 1                   | 48404070       | 045242233786  |
|                     |                | 50           | 1.6                       | 1-2.5                        | x          | x                       | x                                   | x          | x                      | x         | ✓      | ✓         | x     | ♦                                       | 1             | 1                   | 48404075       | 045242233793  |
| 150                 | 20             | 34           | 1.6                       | >2.5                         | ✓          | ✓                       | ✓                                   | ✓          | ♦                      | x         | x      | ✓         | ✓     | 1                                       | 1             | 4932501140          | 4058546624422  |               |
| 165                 | 15.87          | 48           | 1.6                       | 1-2.5                        | ✓          | ✓                       | ✓                                   | ✓          | x                      | x         | x      | x         | x     | 1                                       | 1             | 48404220            | 045242569069   |               |
| 174                 | 20             | 36           | 1.6                       | 1-2.5                        | ✓          | ✓                       | ✓                                   | ✓          | x                      | x         | x      | x         | x     | 1                                       | 1             | 48404225            | 045242569052   |               |
|                     |                | 42           | 1.8                       | >2.5                         | ✓          | x                       | x                                   | ✓          | x                      | x         | x      | x         | x     | 1                                       | 1             | 4932501141          | 4058546624439  |               |
| 203                 | 5/8"           | 50           | 1.8                       | 1-2.5                        | ✓          | ✓                       | ✓                                   | ✓          | ♦                      | x         | x      | x         | x     | 1                                       | 1             | 4932501142          | 4058546624446  |               |
|                     |                | 58           | 2.4                       | >2.5                         | x          | x                       | x                                   | x          | x                      | x         | ✓      | ✓         | x     | ♦                                       | 1             | 1                   | 4932501194     | 4058546639105 |

- ✓ Most suitable. Recommended for these materials.
- ♦ Suitable. Recommended for intermittent use in these materials. Very good cutting characteristics, but greatly reduced lifetime of the blade.

✘ Not suitable. Not recommended for these materials.

### Optimising Blade Life

1. Clamp the workpiece securely to avoid vibration.
2. Do NOT stack or bundle cutting material. The gaps between layers allow for more opportunities to chip the teeth.  
The life of the blade is severely affected by this type of cutting.
3. Lower the blade to its maximum cutting capacity and allow the tool to come to full speed before applying the blade to the material.
4. Do NOT force the saw blade into the material. Start gently, then gradually apply enough pressure to avoid sparks.
5. Optimal cutting speed and pressure will produce little or no sparks. Sparking creates heat build up which shortens saw blade life.
6. Keep the cut straight. If following a cut line and you wander off the line, getting back on line may cause side loading of the blade and break teeth. Use an edge guide whenever possible.
7. Do NOT apply side pressure on the blade as this will cause chipping of the teeth.
8. Periodically allow the tool to run free of the cutting material to cool the blade and tool especially when making long cuts or cuts in thick material.



## Bandsaw blades

### Choosing the right tooth geometry

| 8/10 Tpi<br>Tooth pitch 2.3/1.8 mm | 10 Tpi<br>Tooth pitch 2.5 mm    | 12/14 Tpi<br>Tooth pitch 1.8/1.4 mm | 14 Tpi<br>Tooth pitch 1.8 mm   | 18 Tpi<br>Tooth pitch 1.4 mm   | 25 Tpi<br>Tooth pitch 1 mm  |
|------------------------------------|---------------------------------|-------------------------------------|--------------------------------|--------------------------------|-----------------------------|
| FOR CUTTING STOCK<br>5 to 13 mm    | FOR CUTTING STOCK<br>8 to 13 mm | FOR CUTTING STOCK<br>4 to 8 mm      | FOR CUTTING STOCK<br>5 to 8 mm | FOR CUTTING STOCK<br>4 to 5 mm | FOR CUTTING STOCK<br>< 4 mm |



## Premium Bi-Metal bandsaw blades

Multi pitch Bi-Metal blades with matrix II high speed steel teeth with 8% cobalt outlast conventional blades up to 3 times, requiring fewer blade changes.  
Precision formed teeth create fast, clean cuts.  
Optimised for cordless bandsaws: More cuts per charge.  
Suitable for cutting: Angle iron, galvanised pipe and even tougher steels such as cast iron and stainless steel.

### Premium bandsaw blade 1139.83 x 12.7 x 0.51 mm (Corded & M18 Deep Cut)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 5 - 13                       | 3.1 / 2.5        | 8 / 10         | 3             | 1                   | 48390601       | 045242530298 |
|                              |                  |                | 25            | 1                   | 48390605       | 045242539697 |
| 4 - 8                        | 2.1 / 1.8        | 12 / 14        | 3             | 1                   | 48390611       | 045242530328 |
|                              |                  |                | 25            | 1                   | 48390615       | 045242539703 |



### Premium bandsaw blade 898.52 x 12.7 x 0.51 mm (M18 Compact)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 5 - 13                       | 3.1 / 2.5        | 8 / 10         | 3             | 1                   | 48390609       | 045242536412 |
|                              |                  |                | 25            | 1                   | 48390606       | 045242537754 |
| 4 - 8                        | 2.1 / 1.8        | 12 / 14        | 3             | 1                   | 48390619       | 045242536429 |
|                              |                  |                | 25            | 1                   | 48390616       | 045242537761 |



## Premium Bi-Metal bandsaw blades

### Premium bandsaw blade 685.80 x 12.7 x 0.51 mm (M12 Sub Compact)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 4 - 8                        | 2.1 / 1.8        | 12 / 14        | 3             | 1                   | 48390711       | 045242536436 |



### Premium bandsaw blade 776.29 x 12.7 x 0.51 mm (M12 Sub Compact)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 4 - 8                        | 2.1 / 1.8        | 12 / 14        | 3             | 1                   | 48390631       | 045242605125 |
|                              |                  |                | 25            | 1                   | 48390636       | 045242605132 |
| 5 - 13                       | 3.1 / 2.5        | 8 / 10         | 3             | 1                   | 48390630       | 045242605156 |
|                              |                  |                | 25            | 1                   | 48390635       | 045242605163 |



## Bi-Metal bandsaw blades

Suitable for cutting: Angle iron, galvanised pipe and even tougher steels such as cast iron and stainless steel.

### Bandsaw blade 1139.83 x 12.7 x 0.51 mm (Corded & M18 FUEL™)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| ≥ 8                          | 2.5              | 10             | 3             | 1                   | 48390501       | 045242132096 |
| 5 - 8                        | 1.8              | 14             | 3             | 1                   | 48390511       | 045242132164 |
| 4 - 5                        | 1.4              | 18             | 3             | 1                   | 48390521       | 045242132263 |
| ≤ 4                          | 1.0              | 25             | 3             | 1                   | 48390531       | 045242132362 |



### Bandsaw blade 898.52 x 12.7 x 0.51 mm (M18)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 5 - 8                        | 1.8              | 14             | 3             | 1                   | 48390519       | 045242201594 |
| 4 - 5                        | 1.4              | 18             | 3             | 1                   | 48390529       | 045242201747 |
| ≤ 4                          | 1.0              | 25             | 3             | 1                   | 48390539       | 045242201815 |



### Bandsaw blade 685.80 x 12.7 x 0.51 mm (M12)

| Material wall thickness (mm) | Tooth pitch (mm) | Teeth per inch | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|------------------------------|------------------|----------------|---------------|---------------------|----------------|--------------|
| 2.5 - 8                      | 1.4              | 18             | 3             | 1                   | 48390572       | 045242272341 |



# DIAMOND BLADES

## 3 PERFORMANCE LEVELS



### PREMIUM SPEEDCROSS X

Best-in class diamond blade.

1 Product line, suitable for all kind of hard building materials.

Precise positioned and arranged diamond technology for consistently high cutting performance, superior cutting speed and longest life.



### SPEEDCROSS

Premium diamond blades. Outstanding performance.

Distinct product lines to cover all applications and trades.

Selection of premium diamonds, bond, combined with state-of-the-art production processes, e.g., laser welded segments for maximum reliability.



### CONTRACTOR

Diamond blades with excellent price to performance ratio.

Different product lines including versatile and multi-purpose blades to cover most professional user applications.

Segments made of high-grade diamonds, laser welded, or sintered directly to the steel body.

# APPLICATION GUIDE

## PERFORMANCE

### MATERIAL

#### STONE

Natural Stone  
Granite  
Porphyry

#### CONCRETE

Reinforced

#### HARD MATERIALS

+ Aggregated  
+ Brick / Clinker (hard)  
+ Roof tiles (hard)  
+ Paving blocks etc.

#### CONCRETE

Medium strength

#### ABRASIVE

Soft Concrete /  
Green concrete  
Brick / Clinker  
(soft)  
Screed, Lime  
sandstone

#### ASPHALT

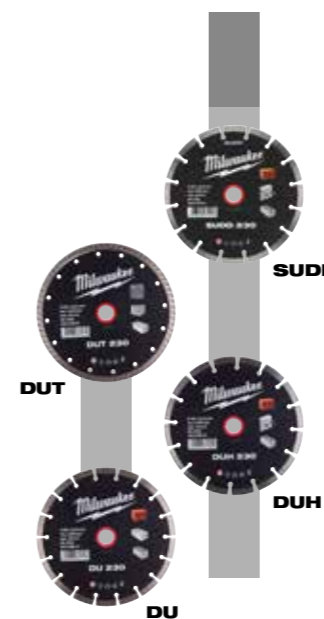
#### CERAMICS

Tiles

#### STEEL

Iron  
Stainless steel  
Non-ferrous  
metals

### CONTRACTOR



### SPEEDCROSS



### PREMIUM SPEEDCROSS



### Premium Speedcross XHUDD

Best-in-class diamond blade.  
Suitable for all kinds of hard building materials.  
Consistently high cutting performance due to precise positioned and arranged diamonds.  
Up to 15 mm segment height for longest life.  
Laser welded short V-grooved tooth segments for extremely aggressive cutting and superior cutting speed and improved dust extraction.  
Suitable for cutting: Hard building materials, granite, reinforced concrete, aggregate concrete, hard brick/clinker, roof tiles, block paving, porphyry, ...



| Type      | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| XHUDD 115 | 115                | 22.23          | 12                  | 2.6                | 1             | 1                   | 4932492147     | 4058546415143 |
| XHUDD 125 | 125                | 22.23          | 12                  | 2.6                | 1             | 1                   | 4932492148     | 4058546415150 |
| XHUDD 150 | 150                | 22.23          | 12                  | 2.6                | 1             | 1                   | 4932492149     | 4058546415167 |
| XHUDD 230 | 230                | 22.23          | 15                  | 2.6                | 1             | 1                   | 4932492150     | 4058546415174 |
| XHUDD 350 | 350                | 25.4           | 14                  | 2.6                | 1             | 1                   | 4932492151     | 4058546415181 |

### Speedcross SUDD

Significantly reduced noise level due to Silent Technology.  
Universal application in all hard building materials.  
15 mm segment height for longest life.  
Segments with distinct pattern to reduce friction, heat build up, and for faster cutting.  
Laser welded segments for maximum reliability.  
Suitable for cutting: Hard building materials, granite, reinforced concrete, aggregate concrete, hard/medium brick/clinker, block paving, roof tiles, ...



| Type     | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| SUDD 230 | 230                | 22.23          | 15                  | 3.4                | 1             | 1                   | 4932492152     | 4058546415198 |
| SUDD 350 | 350                | 25.4           | 15                  | 3.4                | 1             | 1                   | 4932492153     | 4058546415204 |

### Speedcross HUDD

Universal application in all hard to medium hard general building materials.  
10 mm segment height with premium diamond-grade for longest life, laser welded for maximum reliability.  
Steel core with special cooling hole pattern to reduce heat and minimise friction.  
Suitable for cutting: Hard building materials, granite, reinforced concrete, aggregate concrete, hard/medium brick/clinker, block paving, roof tiles, ...



| Type     | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| HUDD 115 | 115                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399819     | 4002395364749 |
| HUDD 125 | 125                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399820     | 4002395364756 |
| HUDD 150 | 150                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399821     | 4002395364763 |
| HUDD 230 | 230                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399822     | 4002395364770 |
| HUDD 300 | 300                | 25.4           | 10                  | 2.6                | 1             | 1                   | 4932493298     | 4058546481698 |
| HUDD 350 | 350                | 25.4           | 8                   | 2.6                | 1             | 1                   | 4932471985     | 4058546298845 |

### Speedcross AUDD

Universal application in all soft / abrasive to medium hard general building materials.  
10 mm segment height with premium diamond-grade for longest life, laser welded for maximum reliability.  
Steel core with special cooling hole pattern to reduce heat and minimize friction.  
Suitable for cutting: Asphalt, soft clinker, green concrete, soft brick, screed, lime sandstone, ...



\*For Speedcross AUDD 350mm only

| Type      | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| AUDD 115  | 115                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399823     | 4002395364787 |
| AUDD 125  | 125                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399824     | 4002395364794 |
| AUDD 150  | 150                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399825     | 4002395364800 |
| AUDD 230  | 230                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399826     | 4002395364817 |
| AUDD 350* | 350                | 25.4           | 10                  | 2.6                | 1             | 1                   | 4932471987     | 4002396298869 |
| AUDD 450  | 450                | 25.4           | 10                  | 2.6                | 1             | 1                   | 4932492145     | 4058546415129 |

### Speedcross STEELHEAD™

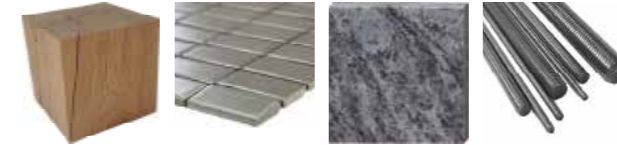
STEELHEAD™ is a specialist blade most suitable for steel, stainless steel and nonferrous metals. Extremely fast and aggressive cutting performance due to high density of vacuum brazed diamond coating. Consistent cutting depth, no risk of disc breakage and highest productivity vs. standard non-diamond cutting discs. Due to the versatility and the outstanding performance the diamond disc is also perfect for fire brigades and for rescue operations.



| Type           | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| STEELHEAD™ 115 | 115                | 22.23          | 2                   | 1.5                | 1             | 1                   | 4932492014     | 4058546413811 |
| STEELHEAD™ 125 | 125                | 22.23          | 2                   | 1.5                | 1             | 1                   | 4932492015     | 4058546413828 |
| STEELHEAD™ 230 | 230                | 22.23          | 2                   | 1.8                | 1             | 1                   | 4932492016     | 4058546413835 |
| STEELHEAD™ 350 | 350                | 25.4           | 4                   | 2.8                | 1             | 1                   | 4932471988     | 4058546298876 |

### Speedcross DHMM

A brazed diamond disc designed for a wide range of applications. Outstanding cutting performance due to extremely high diamond concentration. Suitable for a vast variety of material like PVC, granite, tiles, hard artificial stone, composite material, drywall, thin wood, threaded rods and sheet metal.



| Type    | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DHMM 76 | 76                 | 10             | 2.2                 | 1.2                | 1             | 1                   | 4932471333     | 4058546289614 |

### Speedcross DHTi

Premium turbo rimmed blade for hardest tiles (ceramics, gres, porcelain) up to 20 mm thickness. Extra fast, clean and precise cutting performance due to continuous turbo rimmed diamond segment. Reduced dust development. 10 mm segment height, high-grade diamonds and premium bond for longest life.



| Type     | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DHTi 115 | 115                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932492154     | 4058546415211 |
| DHTi 125 | 125                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932492155     | 4058546415228 |
| DHTi 230 | 230                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932492156     | 4058546415235 |

### Speedcross ADD

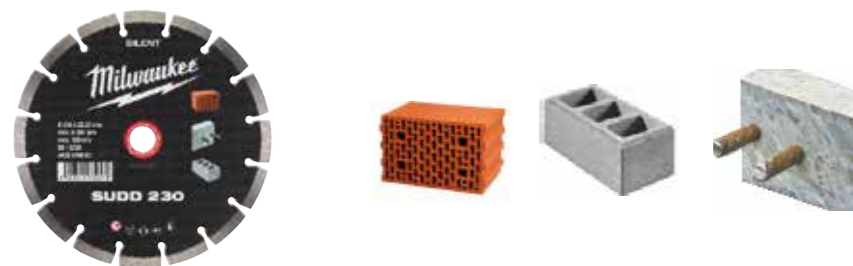
Asphalt application dedicated diamond disc. Also suitable for green concrete and other highly abrasive materials. Double tensioned core for maximum durability and strength. Special angled segments to eliminate risk of segment breakage and reduce wear. 10 mm segment height with premium diamond-grade for longest life, laser welded for maximum reliability.



| Type       | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| ADD 350 mm | 350                | 25.4           | 10                  | 2.8                | 1             | 1                   | 4932478952     | 4058546362348 |

### Contractor SUDD

A laser welded quality blade with excellent performance and universal application in medium to hard building materials. Significantly reduced noise level due to Silent Technology.



| Type        | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-------------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| SUDD 230 mm | 230                | 22.23          | 10                  | 3.0                | 1             | 1                   | 4932479463     | 4058546372576 |
| SUDD 350 mm | 350                | 25.4           | 10                  | 3.1                | 1             | 1                   | 4932479462     | 4058546372569 |

### Contractor DUH

A laser welded quality blade with excellent performance and universal application in medium to hard building materials.



| Type    | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DUH 115 | 115                | 22.23          | 10                  | 2.2                | 1             | 1                   | 4932399539     | 4002395361861 |
| DUH 125 | 125                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932399540     | 4002395361878 |
| DUH 180 | 180                | 22.23          | 10                  | 2.4                | 1             | 1                   | 4932399541     | 4002395361885 |
| DUH 230 | 230                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399542     | 4002395361892 |
| DUH 300 | 300                | 25.4           | 10                  | 2.8                | 1             | 1                   | 4932493331     | 4058546482022 |
| DUH 350 | 350                | 25.4           | 10                  | 2.8                | 1             | 1                   | 4932471986     | 4058546298852 |
| DUH 400 | 400                | 25.4           | 10                  | 3.2                | 1             | 1                   | 4932492146     | 4058546415136 |

### Contractor DSU

A special blade recommended for use with wall chasers. A laser welded quality blade with excellent performance and universal application in hard and abrasive materials. Ø 125 mm for WCE 30; Ø 150 mm for WCS 45.



| Type    | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DSU 125 | 125                | 22.23          | 10                  | 2.4                | 1             | 1                   | 4932373147     | 4002395346455 |
| DSU 150 | 150                | 22.23          | 10                  | 2.4                | 1             | 1                   | 4932373148     | 4002395346462 |

### Contractor DU

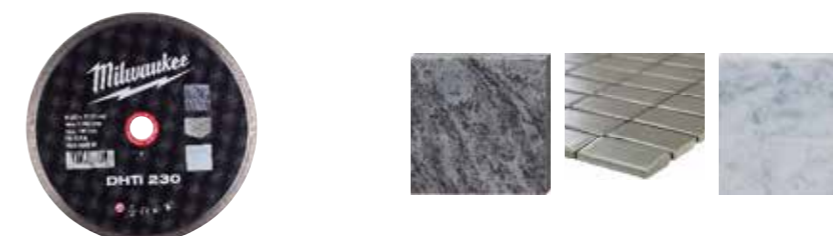
A general-purpose blade for a wide range of building materials with excellent price to performance ratio and direct sintered segments.



| Type   | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DU 115 | 115                | 22.23          | 10                  | 2.2                | 1             | 1                   | 4932399521     | 4002395361687 |
| DU 125 | 125                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932399522     | 4002395361694 |
| DU 180 | 180                | 22.23          | 10                  | 2.4                | 1             | 1                   | 4932399523     | 4002395361700 |
| DU 230 | 230                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399524     | 4002395361717 |
| DU 300 | 300                | 25.4           | 10                  | 2.3                | 1             | 1                   | 4932493332     | 4058546482039 |

### Contractor DHTi

Tile blade with excellent price to performance ratio. Clean cuts in all kinds of soft and hard tiles.



| Type     | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DHTi 115 | 115                | 22.23          | 8                   | 2.0                | 1             | 1                   | 4932399552     | 4002395361991 |
| DHTi 125 | 125                | 22.23          | 8                   | 2.1                | 1             | 1                   | 4932399553     | 4002395362004 |
| DHTi 230 | 230                | 22.23          | 8                   | 2.6                | 1             | 1                   | 4932399555     | 4002395362028 |

## Contractor DUT

A general-purpose blade for a wide range of building materials up to medium hardness, natural and artificial stone with excellent price to performance ratio.  
Extra clean cuts due to closed turbo rim.



| Type    | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DUT 115 | 115                | 22.23          | 10                  | 2.2                | 1             | 1                   | 4932399526     | 4002395361731 |
| DUT 125 | 125                | 22.23          | 10                  | 2.3                | 1             | 1                   | 4932399527     | 4002395361748 |
| DUT 180 | 180                | 22.23          | 10                  | 2.4                | 1             | 1                   | 4932399528     | 4002395361755 |
| DUT 230 | 230                | 22.23          | 10                  | 2.6                | 1             | 1                   | 4932399529     | 4002395361762 |

## Contractor DHTS

Turbo blade with extra thin body for very fast and precise cuts in soft and hard tiles, fine stoneware, as well as natural and artificial stones.  
Extra clean cuts. Less dust development.



| Type     | Disc diameter (mm) | Bore size (mm) | Segment height (mm) | Cutting width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------|--------------------|----------------|---------------------|--------------------|---------------|---------------------|----------------|---------------|
| DHTS 76  | 76                 | 10             | 5                   | 1                  | 1             | 1                   | 4932464715     | 4058546226602 |
| DHTS 115 | 115                | 22.23          | 10                  | 1.2                | 1             | 1                   | 4932399145     | 4002395357550 |
| DHTS 125 | 125                | 22.23          | 10                  | 1.2                | 1             | 1                   | 4932399146     | 4002395357567 |
| DHTS 230 | 230                | 22.23          | 10                  | 1.9                | 1             | 1                   | 4932399550     | 4002395361977 |

## Sharpening Stones

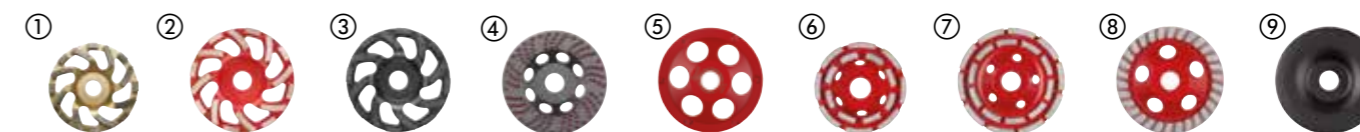
Special corundum mixture bond for sharpening diamond cutting blades and diamond core drills.  
High sharpening speed without damaging the grain.



| Description            | Length (mm) | Width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------|-------------|------------|---------------|---------------------|----------------|---------------|
| Sharpening stone large | 300         | 160        | 1             | 1                   | 4932492362     | 4058546417291 |
| Sharpening stone small | 200         | 50         | 1             | 1                   | 4932492361     | 4058546417284 |

## Combi-segment diamond cup wheels

For quick grinding down of thick concrete layers, abrasive materials or special substances.  
For levelling of concrete, granite and natural stone surfaces.  
For edge grinding applications e.g. grinding off high edges of concrete, granite, natural stone tiles.  
For roughening prior to covering with a new layer of coating.  
High quality diamonds and special soft bonding for low wear, especially in hard materials.



| Type  | Diameter (mm) | Bore size (mm) | No. of segments     | Cup wheel height [mm] | Segment height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|----------------|---------------------|-----------------------|---------------------|---------------|---------------------|----------------|---------------|
| <b>SDCWU 100</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ① Premium universal wheel for grinding and levelling applications. Highest stock removal.   | 100           | 22.23          | 16                  | 21                    | 5                   | 1             | 1                   | 4932430080     | 4002395377411 |
| <b>SDCWU 125</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ② Premium universal wheel for grinding and levelling applications. Highest stock removal.   | 125           | 22.23          | 16                  | 21                    | 5                   | 1             | 1                   | 4932430081     | 4002395377428 |
| <b>SDCWA 125</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ③ Universal wheel for grinding and levelling applications. High stock removal. For abrasive materials.  | 125           | 22.23          | 16                  | 21                    | 5                   | 1             | 1                   | 4932479093     | 4058546368876 |
| <b>Fine SDCWSF 125</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ④ Premium wheel with fine diamond pads for removal of special substances: thermoplastics and epoxy based coatings, acrylic paint, glue, tile adhesive, screed, plaster. | 125           | 22.23          | 117<br>Diamond Pads | 21                    | 3.3                 | 1             | 1                   | 4932479094     | 4058546368883 |
| <b>Coarse SDCWSC 125</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ⑤ PCD segment for removal of special substances: thermoplastic and epoxy based coatings, acrylic paint, glue, tile adhesive, screed, plaster                            | 125           | 22.23          | 6                   | 18.5                  | 4 / 7               | 1             | 1                   | 4932451188     | 4002395138760 |
| <b>DCWU 100</b>   |               |                |                     |                       |                     |               |                     |                |               |
| ⑥ Universal wheel for grinding and levelling applications. High stock removal   | 100           | 22.23          | 16                  | 21                    | 5                   | 1             | 1                   | 4932451185     | 4002395138739 |
| <b>DCWU 125</b>   |               |                |                     |                       |                     |               |                     |                |               |
| ⑦ Universal wheel for grinding and levelling applications. High stock removal   | 125           | 22.23          | 20                  | 21                    | 5                   | 1             | 1                   | 4932451186     | 4002395138746 |
| <b>DCWUT 125</b>  |               |                |                     |                       |                     |               |                     |                |               |
| ⑧ Turbo type segment for levelling, edge grinding and for smooth finishing. Fine finish for concrete and natural stone  | 125           | 22.23          | Turbo               | 21                    | 5                   | 1             | 1                   | 4932451187     | 4002395138753 |
| <b>SDCWUG 125</b>   |               |                |                     |                       |                     |               |                     |                |               |
| ⑨ Premium universal diamond grinding wheel for: hard artificial stone, porcelain tiles, ceramics, granite, marble, wood, hard plastics, steel.                          | 125           | 22.23          | -                   | 13.3                  | -                   | 1             | 1                   | 4932480219     | 4058546405045 |

|   | SDCWU | SDCWA | Fine SDCWSF | Coarse SDCWSC | DCWU | DCWUT | SDCWUG |
|---|-------|-------|-------------|---------------|------|-------|--------|
| Acrylic paint and coatings                  |       |       | ✓           | ✓             |      |       |        |
| Aerated and breeze concrete blocks          | ✓     | ✓     |             |               | ✓    | ✓     |        |
| Bitumen                                     |       |       | ✓           | ✓             |      |       |        |
| Concrete hard                               | ✓     | ♦     |             |               | ✓    | ✓     | ♦      |
| Concrete soft or green                      | ♦     | ✓     |             |               | ♦    | ♦     |        |
| Epoxy resin coatings and glues              |       |       |             |               |      |       |        |
| Granite                                     | ♦     |       |             |               | ♦    | ♦     | ✓      |
| Lime and sandstone blocks hard              | ✓     | ♦     |             |               | ✓    | ✓     |        |
| Lime and sandstone blocks soft and abrasive |       | ✓     |             |               | ♦    | ♦     |        |
| Marble                                      | ♦     | ♦     |             |               | ♦    | ♦     | ✓      |
| Plasterboard                                | ♦     | ✓     |             |               | ♦    | ♦     |        |
| Porphyry                                    | ♦     | ♦     |             |               | ♦    | ♦     | ✓      |
| Screed                                      | ♦     | ✓     | ✓           | ✓             |      | ♦     |        |
| Thermoplastic protective paint, glue        |       |       | ✓           | ✓             |      |       |        |
| Tile adhesive                               | ♦     | ✓     |             |               | ♦    | ♦     |        |

✓ Most suitable.  
♦ Suitable - for intermittent use.

## Cutting and grinding discs

MILWAUKEE® Type - how to find the right disc

| SC 41 / 115            |  |  |  |
|------------------------|--|--|--|
| Material               | Application  | Design   | Diameter   |
| S = Steel<br>C = Stone | C = Cutting<br>G = Grinding<br>CS = Cutting Slim<br>L = Flap<br>LC = Flap Ceramic<br>CT = Cutting Thin | flat 41<br>depressed 42<br>depressed 27<br>flap 50 | mm inches<br>100 4<br>115 4½<br>125 5<br>150 6<br>180 7<br>230 9<br>350 14 |



### Extended life and moisture protection with PRO+\*\*

#### Special mixture delivers:

Up to 20% longer lifetime vs. MILWAUKEE® contractor series.  
Up to 20% less dust development vs. MILWAUKEE® contractor series.  
The new formula HydroProtect prevents the age-related loss of performance and still provides almost the entire performance after months of storage.

#### Benefits:

Reduced costs per cut and shorter set up times.  
Reduction of wheel deterioration during the storage interval.  
Longer lasting high-performance.

\*\*available on cutting and grinding discs with thickness 1, 1.5, 1.9 and 6 mm.



### Thin metal cutting discs PRO+

Applications: Most suitable for stainless and acid-resistant steel, hardox, heat-resistant cast steel, spring steel, mild and tool steel.

Characteristics: Pro+ technology for best lifetime: Hydro-protected against moisture for longer lasting power. Greater performance and longer runtime than the 1 mm pro+ and therefore cordless optimised. Lower material loss, less sparks. Made in Germany.



| Type   | Disc diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|--------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 41 SCS 41 / 76                               | 76                 | 1              | 10             | 5             | 1                   | 4932464717     | 4058546226626 |
| SCS 41 / 115                                 | 115                | 1              | 22.2           | 1             | 50                  | 4932451484     | 4002395163953 |
| ① Counter display (200 x SCS 41 / 115 discs) |                    |                |                | 200           | 1                   | 4932451485     | 4002395163960 |
| SCS 41 / 115                                 | 115                | 1.5            | 22.2           | 1             | 50                  | 4932451486     | 4002395163977 |
| SCS 42 / 125                                 | 125                | 0.8            | 22.2           | 1             | 50                  | 4932498201     | 4058546520700 |
| SCS 41 / 125                                 | 125                | 1              | 22.2           | 1             | 50                  | 4932451487     | 4002395163984 |
| ① Counter display (200 x SCS 41 / 125 discs) |                    |                |                | 200           | 1                   | 4932451488     | 4002395163991 |
| Suitcase (600pc) (600 x SCS 41/125 discs)    |                    |                |                | 600           | 1                   | 4932500580     | 4058546618827 |
| SCS 41 / 125                                 | 125                | 1.5            | 22.2           | 1             | 50                  | 4932498002     | 4058546511623 |
| SCS 41 / 150                                 | 150                | 1.5            | 22.2           | 1             | 25                  | 4932471386     | 4058546290146 |
| SCS 41 / 180                                 | 180                | 1.5            | 22.2           | 1             | 25                  | 4932451489     | 4002395161300 |
| SCS 41 / 230                                 | 230                | 1.9            | 22.2           | 1             | 25                  | 4932451490     | 4002395161317 |
| SCS 41 / 350                                 | 350                | 4              | 25.4           | 1             | 10                  | 4932471989     | 4058546298883 |
| ② SCS 41 / 115                               | 115                | 1              | 22.2           | 10            | 1                   | 4932478997     | 4058546362799 |
| ③ SCS 41 / 125                               | 125                | 1              | 22.2           | 10            | 1                   | 4932478998     | 4058546362805 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Metal cutting discs PRO+

Applications: Great performance in cutting mild steel with medium strength, plain alloy tool steel, concrete reinforcing iron and steel rebar.  
Characteristics: Efficient cutting properties in combination with high performance.

| Type           | Disc diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|--------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 41 SC 41 / 115 | 115                | 3              | 22.2           | 1             | 25                  | 4932451491     | 4002395161324 |
| SC 41 / 125    | 125                | 3              | 22.2           | 1             | 25                  | 4932451492     | 4002395161331 |
| SC 41 / 180    | 180                | 3              | 22.2           | 1             | 25                  | 4932451493     | 4002395161348 |
| SC 41 / 230    | 230                | 3              | 22.2           | 1             | 25                  | 4932451494     | 4002395161362 |
| 42 SC 42 / 115 | 115                | 3              | 22.2           | 1             | 25                  | 4932451495     | 4002395161379 |
| SC 42 / 125    | 125                | 3              | 22.2           | 1             | 25                  | 4932451496     | 4002395161393 |
| SC 42 / 180    | 180                | 3              | 22.2           | 1             | 25                  | 4932451497     | 4002395162000 |
| SC 42 / 230    | 230                | 3              | 22.2           | 1             | 25                  | 4932451498     | 4002395162017 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Metal cutting discs for chop saws PRO+

Applications: For structural steels, tool steel, cast iron, hard high-grade steels and concrete reinforcing steel bars (rebar).  
Characteristics: Soft cutting wheel for chop saws.

| Type           | Disc diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|--------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 41 SC 41 / 355 | 355                | 2.5            | 25.4           | 1             | 10                  | 4932451505     | 4002395162086 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Metal grinding discs PRO+

Applications: Sound performance in mild steel and non alloy tool steel.  
Characteristics: Provides good lifetime and efficient grinding characteristics.

| Type           | Disc diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|--------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 27 SG 27 / 115 | 115                | 6              | 22.2           | 1             | 25                  | 4932451501     | 4002395162048 |
| SG 27 / 125    | 125                | 6              | 22.2           | 1             | 25                  | 4932451502     | 4002395162055 |
| SG 27 / 150    | 150                | 6              | 22.2           | 1             | 10                  | 4932471387     | 4058546290153 |
| SG 27 / 180    | 180                | 6              | 22.2           | 1             | 10                  | 4932451503     | 4002395162062 |
| SG 27 / 230    | 230                | 6              | 22.2           | 1             | 10                  | 4932451504     | 4002395162079 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Stone cutting discs PRO+

Applications: for concrete, masonry products and thin natural stone tiles.

| Type           | Diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|---------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 42 CC 42 / 115 | 115           | 3              | 22.2           | 1             | 25                  | 4932451499     | 4002395162024 |
| CC 42 / 230    | 230           | 3              | 22.2           | 1             | 25                  | 4932451500     | 4002395162031 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Thin ductile iron, stone and multi material disc

Applications: Ductile iron, non-ferrous metals & stone.

\* Minimum order quantity = 10 pcs. Orders > 10 pcs must be ordered in multiples of 10 (i.e. 10, 20, 30, 40)



| Type         | Disc diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------|--------------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| CCS 41 / 350 | 350                | 4              | 25.4           | 1             | 10                  | 4932472264     | 4058546339104 |

### Thin metal cutting discs - contractor series

Applications: Iron and sulphur free thin cut-off wheels for steel.

Suitable for acid-resistant steel, hardox, high-alloy steel, mild and tool steel.

Not suitable for stainless steel.



| Type   | Diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 41 SCS 41 / 115                              | 115           | 1              | 22.2           | 1             | 50                  | 4932451474     | 4002395163250 |
| ① Counter display (200 x SCS 41 / 115 discs) |               |                |                | 200           | 1                   | 4932451475     | 4002395163267 |
| SCS 41 / 115                                 | 115           | 1.5            | 22.2           | 1             | 50                  | 4932451476     | 4002395163274 |
| SCS 41 / 125                                 | 125           | 1              | 22.2           | 1             | 50                  | 4932451477     | 4002395163281 |
| ① Counter display (200 x SCS 41 / 125 discs) |               |                |                | 200           | 1                   | 4932451478     | 4002395163298 |
| SCS 41 / 125                                 | 125           | 1.5            | 22.2           | 1             | 50                  | 4932451479     | 4002395163908 |
| SCS 41 / 230                                 | 230           | 1.9            | 22.2           | 1             | 25                  | 4932451480     | 4002395163915 |
| ② SCS 41 / 125                               | 125           | 1              | 22.2           | 10            | 1                   | 4932459164     | 4002395287192 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Metal grinding discs - contractor series

Applications: suitable for mild steel. Not suitable for stainless steel.

| Type           | Diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|---------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 27 SG 27 / 115 | 115           | 6              | 22.2           | 1             | 25                  | 4932451481     | 4002395163922 |
| SG 27 / 125    | 125           | 6              | 22.2           | 1             | 25                  | 4932451482     | 4002395163939 |
| SG 27 / 230    | 230           | 6              | 22.2           | 1             | 10                  | 4932451483     | 4002395163946 |

\*Orders are only possible in master cartons. Order quantities greater than the pack quantity are to be ordered in multiples (i.e. 50, 100, 150...)

### Carbide Blade

Carbide blade suitable for cutting wood, plastic and plasterboard.

No risk of disc breakages.

Cutting depth remains the same over the lifetime of the disc.

Suitable for cutting all types of softer materials.

Suitable for use with angle grinders.



| Diameter (mm) | Thickness (mm) | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|----------------|----------------|---------------|---------------------|----------------|---------------|
| 76            | 1              | 10             | 1             | 1                   | 4932464716     | 4058546226619 |
| 115           | 1              | 22.23          | 1             | 1                   | 4932492376     | 4058546417437 |
| 125           | 1              | 22.23          | 1             | 1                   | 4932492377     | 4058546417444 |

### Flap discs CERA TURBO™

Maximum productivity with CERA TURBO™, 50% faster material removal and 2x longer lifetime vs. bonded disc.

Ceramic hybrid disc: grinds steel, stainless steel.

Plastic backing pad.

Highly flexible: perfectly adjusts to working piece.

Low heat development: no metal discolouration, especially on stainless steel.

Made in Germany.

Best for ferrous metals, stainless steel V2A (1.4301) / V4A (1.4401) and non-ferrous metals (aluminium, titan, etc.).

Orders must be in multiples of 10 pcs.



| Type            | Disc diameter (mm) | Grit | Bore size (mm) | Backing pad material | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------|--------------------|------|----------------|----------------------|---------------|---------------------|----------------|---------------|
| 50 SLC 50 / 115 | 115                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932472228     | 4058546326241 |
| SLC 50 / 115    | 115                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932472229     | 4058546326258 |
| SLC 50 / 115    | 115                | 80   | 22.2           | Plastic              | 1             | 10                  | 4932472230     | 4058546326265 |
| SLC 50 / 125    | 125                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932472231     | 4058546326272 |
| SLC 50 / 125    | 125                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932472232     | 4058546326289 |
| SLC 50 / 125    | 125                | 80   | 22.2           | Plastic              | 1             | 10                  | 4932472233     | 4058546326296 |

### Flap discs CERA TURBO™ XL

Maximum productivity with CERA TURBO™, 50% faster material removal and 2x longer lifetime vs. bonded disc.

CERA TURBO™ XL with 10 mm protruding flaps for grinding down fillet welds.

Ceramic hybrid disc: grinds steel, stainless steel.

Natural fibre backing pad.

Highly flexible: perfectly adjusts to working piece.

Low heat development: no metal discolouration, especially on stainless steel.

Best for ferrous metals, stainless steel V2A (1.4301) / V4A (1.4401) and non-ferrous metals (aluminium, titan, etc.).

Orders must be in multiples of 10 pcs.

Made in Germany.



| Type            | Disc diameter (mm) | Grit | Bore size (mm) | Backing pad material | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------|--------------------|------|----------------|----------------------|---------------|---------------------|----------------|---------------|
| SLC XL 50 / 115 | 115                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932478946     | 4058546362287 |
| SLC XL 50 / 115 | 115                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932478947     | 4058546362294 |
| SLC XL 50 / 115 | 115                | 80   | 22.2           | Plastic              | 1             | 10                  | 4932478948     | 4058546362300 |
| SLC XL 50 / 125 | 125                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932478949     | 4058546362317 |
| SLC XL 50 / 125 | 125                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932478950     | 4058546362324 |
| SLC XL 50 / 125 | 125                | 80   | 22.2           | Plastic              | 1             | 10                  | 4932478951     | 4058546362331 |

## Flap discs Zirconium

High quality zirconium grain: longer lifetime on ferrous metals and stainless steel.  
Suitable for ferrous metals, stainless steel V2A (1.4301) / V4A (1.4401).  
Natural fibre backing pad: low vibration & noise, no harmful dust.  
Highly flexible: perfectly adjusts to working piece.  
Made in Germany.

Orders must be in multiples of 10 pcs.



| Type | Disc diameter (mm) | Grit | Bore size (mm) | Backing pad material | Pack quantity | Min. order quantity | Article Number | EAN Code   |               |
|------|--------------------|------|----------------|----------------------|---------------|---------------------|----------------|------------|---------------|
| 50   | SL 50 / 115        | 115  | 40             | 22.2                 | Plastic       | 1                   | 10             | 4932472220 | 4058546326166 |
|      | SL 50 / 115        | 115  | 60             | 22.2                 | Plastic       | 1                   | 10             | 4932472221 | 4058546326173 |
|      | SL 50 / 115        | 115  | 80             | 22.2                 | Plastic       | 1                   | 10             | 4932472222 | 4058546326180 |
|      | SL 50 / 115        | 115  | 120            | 22.2                 | Plastic       | 1                   | 10             | 4932472223 | 4058546326197 |
|      | SL 50 / 125        | 125  | 40             | 22.2                 | Plastic       | 1                   | 10             | 4932472224 | 4058546326203 |
|      | SL 50 / 125        | 125  | 60             | 22.2                 | Plastic       | 1                   | 10             | 4932472225 | 4058546326210 |
|      | SL 50 / 125        | 125  | 80             | 22.2                 | Plastic       | 1                   | 10             | 4932472226 | 4058546326227 |
|      | SL 50 / 125        | 125  | 120            | 22.2                 | Plastic       | 1                   | 10             | 4932472227 | 4058546326234 |

## Flap discs Aluminium

Best for aluminium, non-ferrous metals and wood.  
Special coating of the flaps prevent clogging of the disc whilst grinding aluminium, non-ferrous metals and wood.

Self trimming backing pad: allows grinding to the last grain.

Made in Germany.

Orders must be multiples of 10 pcs.



| Type             | Disc diameter (mm) | Grit | Bore size (mm) | Backing pad material | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------|--------------------|------|----------------|----------------------|---------------|---------------------|----------------|---------------|
| ALU SLC 50 / 115 | 115                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932479089     | 4058546368838 |
| ALU SLC 50 / 115 | 115                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932479090     | 4058546368845 |
| ALU SLC 50 / 125 | 125                | 40   | 22.2           | Plastic              | 1             | 10                  | 4932479091     | 4058546368852 |
| ALU SLC 50 / 125 | 125                | 60   | 22.2           | Plastic              | 1             | 10                  | 4932479092     | 4058546368869 |

## Metal Fiber Disc Zirconium

High stock removal rate.

Used for coarse grinding and deburring of steel and stainless steel.

High and even cutting performance with medium pressure.

Zirconium grain with self-sharpening effect.

Sizes available: 115mm, 125mm.

Grits available: G24, G40, G60, G80, G120.



| Description               | Disc diameter (mm) | Grit | Bore size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|--------------------|------|----------------|---------------|---------------------|----------------|---------------|
| Metal Fiber Disc 115 G24  | 115                | 24   | 22             | 25            | 1                   | 4932500212     | 4058546615147 |
| Metal Fiber Disc 115 G40  | 115                | 40   | 22             | 25            | 1                   | 4932500213     | 4058546615154 |
| Metal Fiber Disc 115 G60  | 115                | 60   | 22             | 25            | 1                   | 4932500214     | 4058546615161 |
| Metal Fiber Disc 115 G80  | 115                | 80   | 22             | 25            | 1                   | 4932500215     | 4058546615178 |
| Metal Fiber Disc 115 G120 | 115                | 120  | 22             | 25            | 1                   | 4932500217     | 4058546615192 |
| Metal Fiber Disc 125 G24  | 125                | 24   | 22             | 25            | 1                   | 4932500218     | 4058546615208 |
| Metal Fiber Disc 125 G40  | 125                | 40   | 22             | 25            | 1                   | 4932500220     | 4058546615222 |
| Metal Fiber Disc 125 G60  | 125                | 60   | 22             | 25            | 1                   | 4932500223     | 4058546615253 |
| Metal Fiber Disc 125 G80  | 125                | 80   | 22             | 25            | 1                   | 4932500219     | 4058546615215 |
| Metal Fiber Disc 125 G120 | 125                | 120  | 22             | 25            | 1                   | 4932500221     | 4058546615239 |

## System attachments - angle grinders

### Flexible backing pads

Requires flange nut M14 for all angle grinder - reference 4932345627.

| Bore size (mm) | Diameter (mm) | Fits 115 mm angle grinders | Fits 125 mm angle grinders | Fits 180mm angle grinders | Fits 230mm angle grinders | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------|---------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------|---------------------|----------------|---------------|
| 14.2           | 110           | ✓                          |                            |                           |                           | 1             | 1                   | 4932345760     | 4002395313488 |
| 14.2           | 125           |                            | ✓                          |                           |                           | 1             | 1                   | 4932345761     | 4002395313495 |
| 14.2           | 170           |                            |                            | ✓                         |                           | 1             | 1                   | 4932345758     | 4002395313501 |
| 22.2           | 170           |                            |                            | ✓                         |                           | 1             | 1                   | 4932352744     | 4002395374021 |
| Flange nut M14 |               | ✓                          | ✓                          | ✓                         | ✓                         | 1             | 1                   | 4932345627     | 4002395313112 |



### Fixtec Nut M14 universal



UNIVERSAL fitting to all angle grinders from Ø115 - 230mm.

Suitable for grinders with automatic / rapid braking systems.

Tool free disc changing in 12 seconds – NO tools required.

Only 8mm thick: allowing for more disc surface and for improved use in restricted areas.

Integrated keyholes for removing the nut with a standard spanner in case of over tightening during operation.



| Description              | Diameter (mm) | Thickness (mm) | Fits 115 mm angle grinders | Fits 125 mm angle grinders | Fits 180mm angle grinders | Fits 230mm angle grinders | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------------------|---------------|----------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------|---------------------|----------------|---------------|
| Fixtec Nut M14 universal | 45            | 8              | ✓                          | ✓                          | ✓                         | ✓                         | 1             | 1                   | 4932498607     | 4058546524760 |



## Carbide Burrs

According to DIN 8033.

Double cut tothing geometry ensures excellent material removal, low vibrations for easier handling and smaller swarfs.

Suitable for unhardened and hardened steel, cast iron and non ferrous metals (aluminium, brass, copper).

Includes: Types B, C, D, H, M.

Type B: End cut cylinder for top and side cutting.

Type C: Cylindrical ball nose for top and side cutting.

Type D: Ball for milling holes and creating concave cuts.

Type H: Flame for contouring.

Type M: Cone for angled edges and narrow contours.

| Type of material  | Cutting Speed m/min. | R.P.M. Ø 10mm   | R.P.M. Ø 12,7mm |
|---|----------------------|-----------------|-----------------|
| Steel, Hardness / Tensile strength < 1200 N/mm <sup>2</sup> | 200 - 400            | 8.000 - 12.000  | 7.000 - 10.000  |
| Stainless Steel   | 200 - 350            | 8.000 - 12.000  | 7.000 - 10.000  |
| Non Ferrous Metals  | 400 - 800            | 13.000 - 20.000 | 11.000 - 18.000 |
| Cast iron   | 600 - 800            | 18.000 - 21.000 | 12.000 - 19.000 |
| Fibre reinforced plastics                                   | 500 - 900            | 16.000 - 28.000 | 10.000 - 18.000 |

| Type                           | Shank diameter (mm) | Width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------------------------|---------------------|------------|---------------|---------------------|----------------|---------------|
| B                              | 6                   | 10         | 1             | 1                   | 4932493981     | 4058546511418 |
|                                |                     | 12.7       |               |                     | 4932493986     | 4058546511463 |
| C                              | 6                   | 10         | 1             | 1                   | 4932493982     | 4058546511425 |
|                                |                     | 12.7       |               |                     | 4932493987     | 4058546511470 |
| D                              | 6                   | 10         | 1             | 1                   | 4932493983     | 4058546511432 |
|                                |                     | 12.7       |               |                     | 4932493988     | 4058546511487 |
| H                              | 6                   | 10         | 1             | 1                   | 4932493984     | 4058546511449 |
|                                |                     | 12.7       |               |                     | 4932493989     | 4058546511494 |
| M                              | 6                   | 10         | 1             | 1                   | 4932493985     | 4058546511456 |
|                                |                     | 12.7       |               |                     | 4932493990     | 4058546511500 |
| Burrs TC 6 x 10mm set - 5 pc   | 6                   | 10         | 5             | 1                   | 4932493577     | 4058546484484 |
| Burrs TC 6 x 12.7mm set - 5 pc | 6                   | 12.7       | 5             | 1                   | 4932493576     | 4058546484477 |

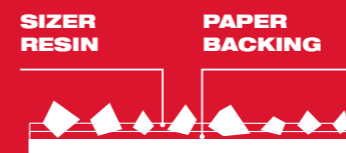


# COATED ABRASIVES

## 3 PERFORMANCE LEVELS

### STANDARD

- ALUMINIUM OXIDE (ALOX) GRAIN
- HEAVY PAPER, ROBUST AND TEAR RESISTANT
- SEMI-OPEN GRAIN DISTRIBUTION



### HIGH PERFORMANCE

- ALUMINIUM OXIDE (ALOX) GRAIN
- LIGHT AND MORE FLEXIBLE PAPER BACKING
- SEMI-OPEN GRAIN DISTRIBUTION
- BETTER SURFACE FINISH
- BETTER MATERIAL REMOVAL
- 2X LONGER LIVE VS. STANDARD
- STEARATE COATING TO PREVENT CLOGGING



### POWERGRID MESH

- OPEN MESH
- ALUMINIUM OXIDE (ALOX) GRAIN
- OPEN GRAIN DISTRIBUTION
- NO CLOGGING FOR 3X LONGER LIFE VS STANDARD, CLEANABLE & REUSABLE
- BEST MATERIAL REMOVAL
- BEST SURFACE FINISH
- BEST OVERALL LIFETIME
- 99% DUSTFREE
- NO ALIGNMENT TO HOLE PATTERN



## WHY USE A PAD SAVER WITH POWERGRID MESH?

PowerGrid Mesh is very aggressive, dust could wear and damage the Velcro on the backing pad.

Pad savers are the solution to extend life of the machines backing pad.

## APPLICATIONS



### STANDARD



|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
|---|---|---|---|---|---|---|---|---|

### HIGH PERFORMANCE



|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
|---|---|---|---|---|---|---|---|---|

### POWERGRID MESH



|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
|---|---|---|---|---|---|---|---|---|

HL = Hook & Loop

## Sanding sheets for random orbital sanders

### Power Grid Mesh Sanding Discs HL

**NEW**

Open mesh backing with aluminium oxide open grain for best material removal performance and fine finishing.

Mesh structure provide for 99% dust free sanding and no clogging. Reduced clogging and dust build-up on work surface leads to best life and better finish.

No designated hole pattern for quick dust hole alignment and compatible with all competitor backing pads.

Easy to clean and re-use (wash or blow clean).

3x longer life versus standard sandpaper.

Suitable for all types of metal, wood, paint, plaster, filler and laquer.

Recommended to be used with a pad saver.

Power Grid Mesh Sanding Sheets 125 mm are suitable for M18 BOS125 and ROS 125 E.

Power Grid Mesh Sanding Sheets 76 mm are suitable for M12 FSDR75.

| Grit | Paper size diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|--------------------------|---------------|---------------------|----------------|---------------|
| 80   | 76                       | 10            | 1                   | 4932499368     | 4058546565329 |
| 120  | 76                       | 10            | 1                   | 4932499369     | 4058546565336 |
| 180  | 76                       | 10            | 1                   | 4932499370     | 4058546565343 |
| 240  | 76                       | 10            | 1                   | 4932499371     | 4058546565350 |
| 320  | 76                       | 10            | 1                   | 4932499372     | 4058546565367 |
| 400  | 76                       | 10            | 1                   | 4932499373     | 4058546565374 |
| 80   | 125                      | 10            | 1                   | 4932492185     | 4058546415525 |
| 120  | 125                      | 10            | 1                   | 4932492186     | 4058546415532 |
| 180  | 125                      | 10            | 1                   | 4932492187     | 4058546415549 |
| 240  | 125                      | 10            | 1                   | 4932492188     | 4058546415556 |
| 320  | 125                      | 10            | 1                   | 4932492189     | 4058546415563 |
| 400  | 125                      | 10            | 1                   | 4932492190     | 4058546415570 |
| 80   | 125                      | 50            | 1                   | 4932492203     | 4058546415709 |
| 120  | 125                      | 50            | 1                   | 4932492204     | 4058546415716 |
| 180  | 125                      | 50            | 1                   | 4932492205     | 4058546415723 |
| 240  | 125                      | 50            | 1                   | 4932492206     | 4058546415730 |
| 80   | 150                      | 10            | 1                   | 4932492220     | 4058546415877 |
| 120  | 150                      | 10            | 1                   | 4932492221     | 4058546415884 |
| 180  | 150                      | 10            | 1                   | 4932492222     | 4058546415891 |
| 240  | 150                      | 10            | 1                   | 4932492223     | 4058546415907 |
| 320  | 150                      | 10            | 1                   | 4932492224     | 4058546415914 |
| 400  | 150                      | 10            | 1                   | 4932492225     | 4058546415921 |
| 80   | 150                      | 50            | 1                   | 4932492238     | 4058546416058 |
| 120  | 150                      | 50            | 1                   | 4932492239     | 4058546416065 |
| 180  | 150                      | 50            | 1                   | 4932492240     | 4058546416072 |
| 240  | 150                      | 50            | 1                   | 4932492241     | 4058546416089 |
| 80   | 225                      | 10            | 1                   | 4932500187     | 4058546614898 |
| 120  | 225                      | 10            | 1                   | 4932500188     | 4058546614904 |
| 180  | 225                      | 10            | 1                   | 4932500189     | 4058546614911 |
| 240  | 225                      | 10            | 1                   | 4932500190     | 4058546614928 |
| 320  | 225                      | 10            | 1                   | 4932500191     | 4058546614935 |

Mesh Pad Saver 76 mm HL Set - 10 pcs

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

Mesh & Pad Saver 125 mm H&L Set 1 - 10 pcs

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

Mesh & Pad Saver 150 mm H&L Set 2 - 10 pcs

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

PG 225 HL G80 120 180 Pad Saver Set - 10 pc

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

PG 225 HL G80 120 180 Pad Saver Set - 10 pc

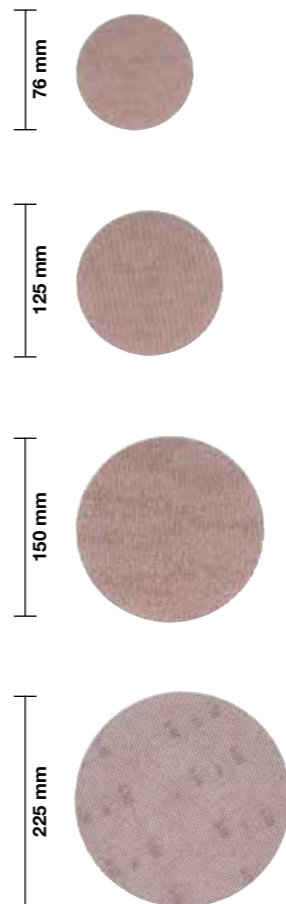
Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

PG 225 HL G80 120 180 Pad Saver Set - 10 pc

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

PG 225 HL G80 120 180 Pad Saver Set - 10 pc

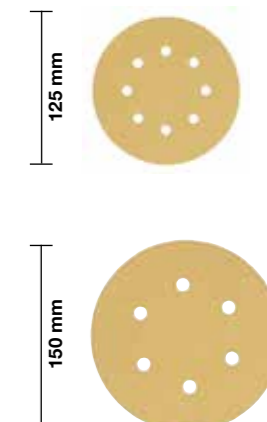
Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver



## High Performance Sanding Discs HL

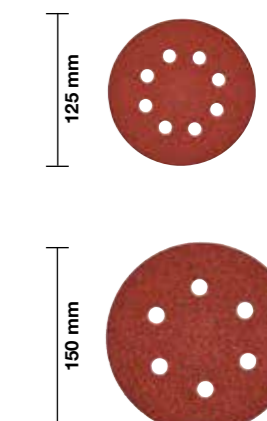
**NEW**

| Grit | Paper size diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|--------------------------|---------------|---------------------|----------------|---------------|
| 40   | 125                      | 10            | 1                   | 4932492178     | 4058546415457 |
| 60   | 125                      | 10            | 1                   | 4932492179     | 4058546415464 |
| 80   | 125                      | 10            | 1                   | 4932492180     | 4058546415471 |
| 120  | 125                      | 10            | 1                   | 4932492181     | 4058546415488 |
| 180  | 125                      | 10            | 1                   | 4932492182     | 4058546415495 |
| 240  | 125                      | 10            | 1                   | 4932492183     | 4058546415501 |
| 320  | 125                      | 10            | 1                   | 4932492184     | 4058546415518 |
| 40   | 125                      | 50            | 1                   | 4932492197     | 4058546415648 |
| 60   | 125                      | 50            | 1                   | 4932492198     | 4058546415655 |
| 80   | 125                      | 50            | 1                   | 4932492199     | 4058546415662 |
| 120  | 125                      | 50            | 1                   | 4932492200     | 4058546415679 |
| 180  | 125                      | 50            | 1                   | 4932492201     | 4058546415686 |
| 240  | 125                      | 50            | 1                   | 4932492202     | 4058546415693 |
| 40   | 150                      | 10            | 1                   | 4932492213     | 4058546415808 |
| 60   | 150                      | 10            | 1                   | 4932492214     | 4058546415815 |
| 80   | 150                      | 10            | 1                   | 4932492215     | 4058546415822 |
| 120  | 150                      | 10            | 1                   | 4932492216     | 4058546415839 |
| 180  | 150                      | 10            | 1                   | 4932492217     | 4058546415846 |
| 240  | 150                      | 10            | 1                   | 4932492218     | 4058546415853 |
| 320  | 150                      | 10            | 1                   | 4932492219     | 4058546415860 |
| 40   | 150                      | 50            | 1                   | 4932492232     | 4058546415990 |
| 60   | 150                      | 50            | 1                   | 4932492233     | 4058546416003 |
| 80   | 150                      | 50            | 1                   | 4932492234     | 4058546416010 |
| 120  | 150                      | 50            | 1                   | 4932492235     | 4058546416027 |
| 180  | 150                      | 50            | 1                   | 4932492236     | 4058546416034 |
| 240  | 150                      | 50            | 1                   | 4932492237     | 4058546416041 |
| 150  | 150                      | 50            | 1                   | 4932499979     | 4058546571436 |
| 220  | 150                      | 50            | 1                   | 4932499981     | 4058546571450 |
| 280  | 150                      | 50            | 1                   | 4932499983     | 4058546571474 |
| 320  | 150                      | 50            | 1                   | 4932499984     | 4058546571481 |
| 400  | 150                      | 50            | 1                   | 4932499985     | 4058546571498 |
| 500  | 150                      | 50            | 1                   | 4932499986     | 4058546571504 |
| 600  | 150                      | 50            | 1                   | 4932499987     | 4058546571511 |
| 800  | 150                      | 50            | 1                   | 4932499988     | 4058546571528 |



## Standard Sanding Discs HL

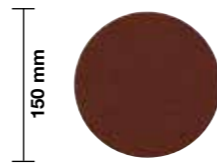
| Grit | Paper size diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|--------------------------|---------------|---------------------|----------------|---------------|
| 40   | 125                      | 10            | 1                   | 4932492172     | 4058546415396 |
| 60   | 125                      | 10            | 1                   | 4932492173     | 4058546415402 |
| 80   | 125                      | 10            | 1                   | 4932492174     | 4058546415419 |
| 120  | 125                      | 10            | 1                   | 4932492175     | 4058546415426 |
| 180  | 125                      | 10            | 1                   | 4932492176     | 4058546415433 |
| 240  | 125                      | 10            | 1                   | 4932492177     | 4058546415440 |
| 40   | 125                      | 50            | 1                   | 4932492191     | 4058546415587 |
| 60   | 125                      | 50            | 1                   | 4932492192     | 4058546415594 |
| 80   | 125                      | 50            | 1                   | 4932492193     | 4058546415600 |
| 120  | 125                      | 50            | 1                   | 4932492194     | 4058546415617 |
| 180  | 125                      | 50            | 1                   | 4932492195     | 4058546415624 |
| 240  | 125                      | 50            | 1                   | 4932492196     | 4058546415631 |
| 40   | 150                      | 10            | 1                   | 4932492207     | 4058546415747 |
| 60   | 150                      | 10            | 1                   | 4932492208     | 4058546415754 |
| 80   | 150                      | 10            | 1                   | 4932492209     | 4058546415761 |
| 120  | 150                      | 10            | 1                   | 4932492210     | 4058546415778 |
| 180  | 150                      | 10            | 1                   | 4932492211     | 4058546415785 |
| 240  | 150                      | 10            | 1                   | 4932492212     | 4058546415792 |
| 40   | 150                      | 50            | 1                   | 4932492226     | 4058546415938 |
| 60   | 150                      | 50            | 1                   | 4932492227     | 4058546415945 |
| 80   | 150                      | 50            | 1                   | 4932492228     | 4058546415952 |
| 120  | 150                      | 50            | 1                   | 4932492229     | 4058546415969 |
| 180  | 150                      | 50            | 1                   | 4932492230     | 4058546415976 |
| 240  | 150                      | 50            | 1                   | 4932492231     | 4058546415983 |



**Standard Sanding Discs - no holes HL**

**NEW**

| Grit | Paper size diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|--------------------------|---------------|---------------------|----------------|---------------|
| 40   | 150                      | 50            | 1                   | 4932498927     | 4058546527969 |
| 60   | 150                      | 50            | 1                   | 4932498928     | 4058546527976 |
| 80   | 150                      | 50            | 1                   | 4932498929     | 4058546527983 |
| 100  | 150                      | 50            | 1                   | 4932498930     | 4058546527990 |
| 120  | 150                      | 50            | 1                   | 4932498931     | 4058546528003 |



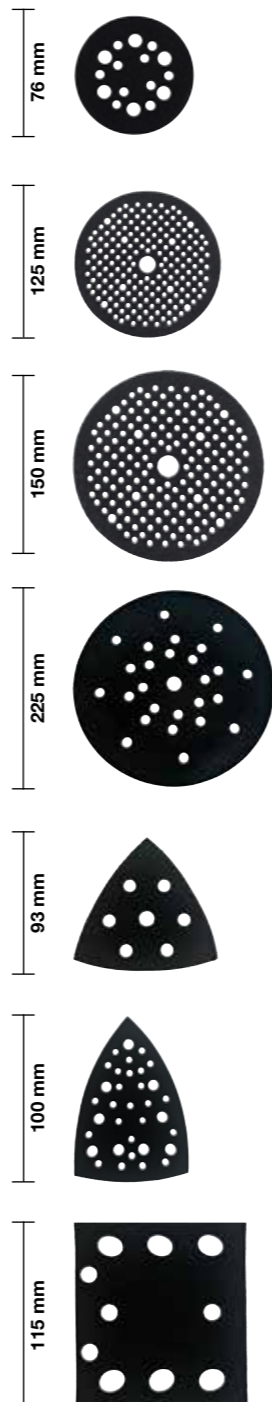
**Pad Saver**

**NEW**

For use with mesh type sanding papers.  
Protects the backing pad from damage.  
Pad Saver 125 mm is suitable for M18 BOS125 and ROS 125 E.

| Diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|---------------|---------------------|----------------|---------------|
| 76            | 5             | 1                   | 4932501269     | 4058546639853 |
| 125           | 5             | 1                   | 4932492291     | 4058546416584 |
| 150           | 5             | 1                   | 4932492292     | 4058546416591 |
| 225           | 5             | 1                   | 4932500193     | 4058546614959 |

| Paper size diameter (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------------------------|---------------|---------------------|----------------|---------------|
| 93x93                    | 5             | 1                   | 4932500194     | 4058546614966 |
| 100x147                  | 5             | 1                   | 4932500186     | 4058546614881 |
| 115x107                  | 5             | 1                   | 4932500196     | 4058546614980 |



**Power Grid Mesh Sanding Sheets HL**

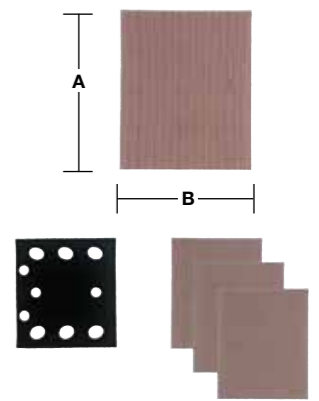
**NEW**

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|---------------------|----------------|---------------|
| 80   | 115 x 107             | 10            | 1                   | 1                   | 4932492249     | 4058546416164 |
| 120  | 115 x 107             | 10            | 1                   | 1                   | 4932492250     | 4058546416171 |
| 180  | 115 x 107             | 10            | 1                   | 1                   | 4932492251     | 4058546416188 |
| 240  | 115 x 107             | 10            | 1                   | 1                   | 4932492252     | 4058546416195 |
| 320  | 115 x 107             | 10            | 1                   | 1                   | 4932492253     | 4058546416201 |
| 400  | 115 x 107             | 10            | 1                   | 1                   | 4932492254     | 4058546416218 |

PG 115 x 107 HL G80 120 180 Pad Saver Set - 10 pc

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180, 1 x Pad Saver

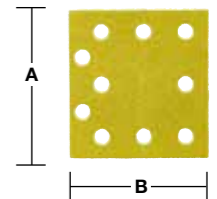
|    |   |   |            |               |
|----|---|---|------------|---------------|
| 10 | 1 | 1 | 4932500197 | 4058546614997 |
|----|---|---|------------|---------------|



**High Performance Sanding Sheets HL**

**NEW**

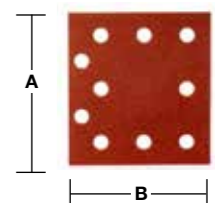
| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 80   | 115 x 107             | 10            | 1                   | 4932492244     | 4058546416119 |
| 120  | 115 x 107             | 10            | 1                   | 4932492245     | 4058546416126 |
| 180  | 115 x 107             | 10            | 1                   | 4932492246     | 4058546416133 |
| 240  | 115 x 107             | 10            | 1                   | 4932492247     | 4058546416140 |
| 320  | 115 x 107             | 10            | 1                   | 4932492248     | 4058546416157 |



**Standard Sanding Sheets HL**

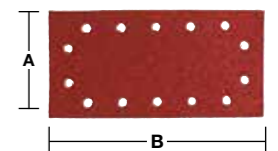
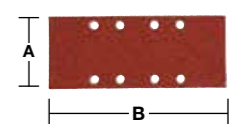
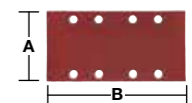
**NEW**

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 115 x 107             | 10            | 1                   | 4932492242     | 4058546416096 |
| 60   | 115 x 107             | 10            | 1                   | 4932492759     | 4058546476304 |
| 80   | 115 x 107             | 10            | 1                   | 4932492760     | 4058546476311 |
| 120  | 115 x 107             | 10            | 1                   | 4932492761     | 4058546476328 |
| 180  | 115 x 107             | 10            | 1                   | 4932492243     | 4058546416102 |
| 240  | 115 x 107             | 10            | 1                   | 4932492762     | 4058546476335 |



**Standard Sanding Sheets HL**

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 60   | 80 x 133              | 10            | 1                   | 4932492763     | 4058546476342 |
| 80   | 80 x 133              | 10            | 1                   | 4932492764     | 4058546476359 |
| 120  | 80 x 133              | 10            | 1                   | 4932492765     | 4058546476366 |
| 180  | 80 x 133              | 10            | 1                   | 4932492766     | 4058546476373 |
| 240  | 80 x 133              | 10            | 1                   | 4932492767     | 4058546476380 |
| 40   | 93 x 185              | 10            | 1                   | 4932492257     | 4058546416249 |
| 60   | 93 x 185              | 10            | 1                   | 4932492258     | 4058546416256 |
| 80   | 93 x 185              | 10            | 1                   | 4932492259     | 4058546416263 |
| 120  | 93 x 185              | 10            | 1                   | 4932492260     | 4058546416270 |
| 180  | 93 x 185              | 10            | 1                   | 4932492261     | 4058546416287 |
| 240  | 93 x 185              | 10            | 1                   | 4932492262     | 4058546416294 |
| 40   | 115 x 230             | 10            | 1                   | 4932492263     | 4058546416300 |
| 60   | 115 x 230             | 10            | 1                   | 4932492264     | 4058546416317 |
| 80   | 115 x 230             | 10            | 1                   | 4932492265     | 4058546416324 |
| 120  | 115 x 230             | 10            | 1                   | 4932492266     | 4058546416331 |
| 180  | 115 x 230             | 10            | 1                   | 4932492267     | 4058546416348 |
| 240  | 115 x 230             | 10            | 1                   | 4932492268     | 4058546416355 |



## Power Grid Mesh Delta Sanding Sheets HL

12 x longer life compared to standard sandpaper.

Open mesh structure for almost dust-free sanding and longest life. The mesh structure increases performance and reduces clogging.

Mesh sheet 67 x 92 mm is suitable for Mesh Sheets for M12 FDSS.

Can be cleaned with compressed air, vacuumed or rinsed out with water.

Application: wood, painted wood, plastic, filler, drywall, metal, plaster, lacquer.

Each pack includes 1 pad saver. Always use a pad saver when using mesh type abrasives, this protects the tool backing pad from damage.

Grit options available: G80, G120, G180, G220, G320, G400.

Sponge Interface Pad available separately.



| Grit                                    | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|-----------------------|---------------|---------------------|----------------|---------------|
| 80                                      | 67 x 92               | 13            | 1                   | 4932501318     | 4058546640347 |
| 120                                     | 67 x 92               | 13            | 1                   | 4932501319     | 4058546640354 |
| 180                                     | 67 x 92               | 13            | 1                   | 4932501320     | 4058546640361 |
| 220                                     | 67 x 92               | 13            | 1                   | 4932501321     | 4058546640378 |
| Sponge Interface Pad 67 x 92 mm         | 67 x 92               | 1             | 1                   | 4932501322     | 4058546640385 |
| Mesh 67 x 92 mm - 12 pc Set + Pad saver |                       | 13            | 1                   | 4932501323     | 4058546640392 |

## Sanding sheets for delta sanders

### Power Grid Mesh Delta Sanding Sheets HL

**NEW**

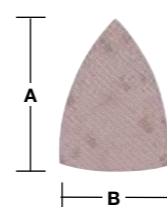
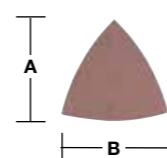
| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 80   | 93 x 93               | 10            | 1                   | 4932492281     | 4058546416485 |
| 120  | 93 x 93               | 10            | 1                   | 4932492282     | 4058546416492 |
| 180  | 93 x 93               | 10            | 1                   | 4932492283     | 4058546416508 |
| 240  | 93 x 93               | 10            | 1                   | 4932492284     | 4058546416515 |
| 80   | 100x147               | 10            | 1                   | 4932500179     | 4058546614812 |
| 120  | 100x147               | 10            | 1                   | 4932500180     | 4058546614829 |
| 180  | 100x147               | 10            | 1                   | 4932500181     | 4058546614836 |
| 240  | 100x147               | 10            | 1                   | 4932500182     | 4058546614843 |
| 320  | 100x147               | 10            | 1                   | 4932500183     | 4058546614850 |
| 400  | 100x147               | 10            | 1                   | 4932500184     | 4058546614867 |

PG 93x93 HL G80 120 180 Pad Saver Set - 10 pc

Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180 / 1x Pad Saver

PG 100x147 HL G80 120 180 Pad Saver Set - 10 pc

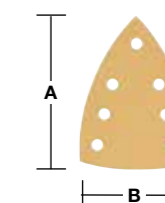
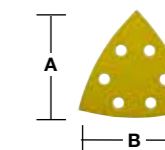
Sand Disc PG Mesh: 3 x Grit 80 / 3 x Grit 120 / 3 x Grit 180 / 1x Pad Saver



## High Performance Delta Sanding Sheets HL

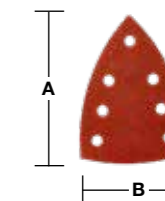
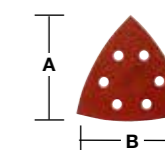
**NEW**

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 93 x 93               | 10            | 1                   | 4932492275     | 4058546416423 |
| 60   | 93 x 93               | 10            | 1                   | 4932492276     | 4058546416430 |
| 80   | 93 x 93               | 10            | 1                   | 4932492277     | 4058546416447 |
| 120  | 93 x 93               | 10            | 1                   | 4932492278     | 4058546416454 |
| 180  | 93 x 93               | 10            | 1                   | 4932492279     | 4058546416461 |
| 240  | 93 x 93               | 10            | 1                   | 4932492280     | 4058546416478 |
| 40   | 100x147               | 10            | 1                   | 4932500172     | 4058546614744 |
| 60   | 100x147               | 10            | 1                   | 4932500173     | 4058546614751 |
| 80   | 100x147               | 10            | 1                   | 4932500174     | 4058546614768 |
| 120  | 100x147               | 10            | 1                   | 4932500175     | 4058546614775 |
| 180  | 100x147               | 10            | 1                   | 4932500176     | 4058546614782 |
| 240  | 100x147               | 10            | 1                   | 4932500177     | 4058546614799 |
| 320  | 100x147               | 10            | 1                   | 4932500178     | 4058546614805 |



## Standard Delta Sanding Sheets HL

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 93 x 93               | 10            | 1                   | 4932492269     | 4058546416362 |
| 60   | 93 x 93               | 10            | 1                   | 4932492270     | 4058546416379 |
| 80   | 93 x 93               | 10            | 1                   | 4932492271     | 4058546416386 |
| 120  | 93 x 93               | 10            | 1                   | 4932492272     | 4058546416393 |
| 180  | 93 x 93               | 10            | 1                   | 4932492273     | 4058546416409 |
| 240  | 93 x 93               | 10            | 1                   | 4932492274     | 4058546416416 |
| 40   | 147 x 100             | 10            | 1                   | 4932492285     | 4058546416522 |
| 60   | 147 x 100             | 10            | 1                   | 4932492286     | 4058546416539 |
| 80   | 147 x 100             | 10            | 1                   | 4932492287     | 4058546416546 |
| 120  | 147 x 100             | 10            | 1                   | 4932492288     | 4058546416553 |
| 180  | 147 x 100             | 10            | 1                   | 4932492289     | 4058546416560 |
| 240  | 147 x 100             | 10            | 1                   | 4932492290     | 4058546416567 |



## Abrasive belts

Cloth sanding belts for wood, metal, paint, lacquer, plaster.  
Grit type: fused alumina, half open.  
Artificial resin-bonded on special fabric.

### Sanding belts 75 x 457 mm

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 457 x 75              | 5             | 1                   | 4932480546     | 4058546408312 |
| 60   | 457 x 75              | 5             | 1                   | 4932480547     | 4058546408329 |
| 80   | 457 x 75              | 5             | 1                   | 4932480548     | 4058546408336 |
| 100  | 457 x 75              | 5             | 1                   | 4932480549     | 4058546408343 |
| 150  | 457 x 75              | 5             | 1                   | 4932480550     | 4058546408350 |



### Sanding belts 75 x 533 mm

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 533 x 75              | 5             | 1                   | 4932312475     | 4002395301263 |
| 60   | 533 x 75              | 5             | 1                   | 4932312476     | 4002395301270 |
| 80   | 533 x 75              | 5             | 1                   | 4932312477     | 4002395301287 |
| 100  | 533 x 75              | 5             | 1                   | 4932312478     | 4002395301294 |
| 150  | 533 x 75              | 5             | 1                   | 4932312479     | 4002395301300 |



### Sanding Belts for Belt Sanders

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 560 x 100             | 5             | 1                   | 4932492286     | 4058546416539 |
| 60   | 560 x 100             | 5             | 1                   | 4932492287     | 4058546416546 |
| 80   | 560 x 100             | 5             | 1                   | 4932492288     | 4058546416553 |
| 100  | 560 x 100             | 5             | 1                   | 4932492289     | 4058546416560 |
| 150  | 560 x 100             | 5             | 1                   | 4932492290     | 4058546416577 |



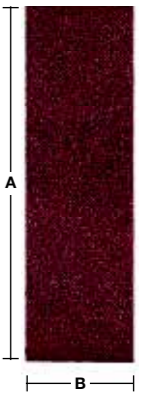
### Sanding belts 100 x 610 mm

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 610 x 100             | 5             | 1                   | 4932355066     | 4002395319824 |
| 60   | 610 x 100             | 5             | 1                   | 4932355067     | 4002395319831 |
| 80   | 610 x 100             | 5             | 1                   | 4932355068     | 4002395319848 |
| 100  | 610 x 100             | 5             | 1                   | 4932355069     | 4002395319855 |
| 150  | 610 x 100             | 5             | 1                   | 4932355070     | 4002395319862 |



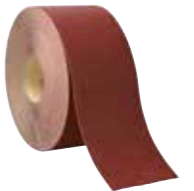
### Sanding belts 100 x 620 mm

| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 40   | 620 x 100             | 5             | 1                   | 4932341610     | 4002395304882 |
| 60   | 620 x 100             | 5             | 1                   | 4932341611     | 4002395304899 |
| 80   | 620 x 100             | 5             | 1                   | 4932341612     | 4002395304905 |
| 100  | 620 x 100             | 5             | 1                   | 4932341613     | 4002395304912 |
| 150  | 620 x 100             | 5             | 1                   | 4932341614     | 4002395304929 |



## Sandpaper Rolls

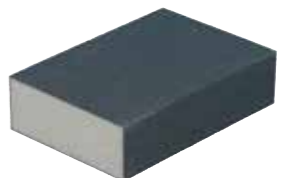
Use for wood and paint.  
Simply tear off to the desired size and punch in the hole pattern.  
Also suitable for hand sanding blocks.  
Grit options for 1/3" sheets: G40, G60, G80, G120, G150, G180.  
Grit options for 1/2" sheets: G40, G60, G80, G120, G150, G180.



| Description                           | Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------------------|------|-----------------------|---------------|---------------------|----------------|---------------|
| 1/3" Sheet Standard Rolls G40 - 1 pc  | 40   | 93x50000              | 1             | 1                   | 4932501270     | 4058546639860 |
| 1/3" Sheet Standard Rolls G60 - 1 pc  | 60   | 93x50000              | 1             | 1                   | 4932500198     | 4058546615000 |
| 1/3" Sheet Standard Rolls G80 - 1 pc  | 80   | 93x50000              | 1             | 1                   | 4932500199     | 4058546615017 |
| 1/3" Sheet Standard Rolls G120 - 1 pc | 120  | 93x50000              | 1             | 1                   | 4932500200     | 4058546615024 |
| 1/3" Sheet Standard Rolls G150 - 1 pc | 150  | 93x50000              | 1             | 1                   | 4932500201     | 4058546615031 |
| 1/3" Sheet Standard Rolls G180 - 1 pc | 180  | 93x50000              | 1             | 1                   | 4932500202     | 4058546615048 |
| 1/2" Sheet Standard Rolls G40 - 1 pc  | 40   | 115x50000             | 1             | 1                   | 4932501271     | 4058546639877 |
| 1/2" Sheet Standard Rolls G60 - 1 pc  | 60   | 115x50000             | 1             | 1                   | 4932500203     | 4058546615055 |
| 1/2" Sheet Standard Rolls G80 - 1 pc  | 80   | 115x50000             | 1             | 1                   | 4932500204     | 4058546615062 |
| 1/2" Sheet Standard Rolls G120 - 1 pc | 120  | 115x50000             | 1             | 1                   | 4932500205     | 4058546615079 |
| 1/2" Sheet Standard Rolls G150 - 1 pc | 150  | 115x50000             | 1             | 1                   | 4932500206     | 4058546615086 |
| 1/2" Sheet Standard Rolls G180 - 1 pc | 180  | 115x50000             | 1             | 1                   | 4932500207     | 4058546615093 |

## Abrasive 4-sided Sponges

The four-sided sponge is flexible, adapts to surfaces, contours and shapes and reaches tight corners.  
Equalizes the pressure distribution to create an even surface pattern.  
Can be used on all sides.  
Washable and can be reused, longer life.  
For wet and dry sanding.  
Can be used on wood, paint, metal and plaster to remove material.  
Grits available: G60, G100, G180, G220.



| Grit | Paper size A x B (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------------------|---------------|---------------------|----------------|---------------|
| 60   | 100x66x26             | 2             | 1                   | 4932500208     | 4058546615109 |
| 100  | 100x66x26             | 2             | 1                   | 4932500209     | 4058546615116 |
| 180  | 100x66x26             | 2             | 1                   | 4932500210     | 4058546615123 |
| 220  | 100x66x26             | 2             | 1                   | 4932500211     | 4058546615130 |

## Abrasive Belts for Band File

Ceramic grain quality: Extremely high removal rate with best lifetime.  
For grinding metal weld seams, contours, edges and profiles.  
Suitable for all metals (steel, non ferrous metals, aluminium, titanium and stainless steel).  
Ceramic grain produces low heat, preventing metal discolouration on stainless steel.  
Abrasive Belts are suitable for M12 FBFL10 and M12 FBFL13.

| Grit | Size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------|-----------|---------------|---------------------|----------------|---------------|
| 60   | 330 x 10  | 10            | 1                   | 4932492874     | 4058546477455 |
| 80   | 330 x 10  | 10            | 1                   | 4932492875     | 4058546477462 |
| 120  | 330 x 10  | 10            | 1                   | 4932492876     | 4058546477479 |
| 60   | 457 x 13  | 10            | 1                   | 4932492881     | 4058546477523 |
| 80   | 457 x 13  | 10            | 1                   | 4932492882     | 4058546477530 |
| 120  | 457 x 13  | 10            | 1                   | 4932492883     | 4058546477547 |



## Fleece Belts for Band File

Non woven nylon fabric belts impregnated with abrasive grain for surface conditioning without damage to or removal of base material.  
For fine grinding, deburring, matting and finishing on all metals inc. stainless steel.  
Non Woven Fleece Belts are suitable for M12 FBFL10 and M12 FBFL13.

| Grit   | Size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--------|-----------|---------------|---------------------|----------------|---------------|
| Coarse | 330 x 10  | 5             | 1                   | 4932492877     | 4058546477486 |
| Coarse | 457 x 13  | 5             | 1                   | 4932492884     | 4058546477554 |
| Fine   | 330 x 10  | 5             | 1                   | 4932492879     | 4058546477509 |
| Fine   | 457 x 13  | 5             | 1                   | 4932492886     | 4058546477578 |
| Medium | 330 x 10  | 5             | 1                   | 4932492878     | 4058546477493 |
| Medium | 457 x 13  | 5             | 1                   | 4932492885     | 4058546477561 |



## Polishing Fleece Belts for Band File

Non woven nylon fabric belts impregnated with abrasive grain for effective cleaning, buffing and polishing.  
Available in super-fine.  
Non woven polishing fleece belts are suitable for M12 FBFL10 and M12 FBFL13.

| Description            | Size (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------|-----------|---------------|---------------------|----------------|---------------|
| Super-fine fleece belt | 330 x 10  | 3             | 1                   | 4932492880     | 4058546477516 |
| Super-fine fleece belt | 457 x 13  | 3             | 1                   | 4932492887     | 4058546477585 |



## WIRE BRUSHES

Wire brushes are extremely effective for cleaning and preparing surfaces for painting, restoration and removing spatter after welding. Designed to be able to scrub dirt, rust, and other debris away from a variety of materials; including metal and wood; they can also be used to smooth and buff numerous surfaces.

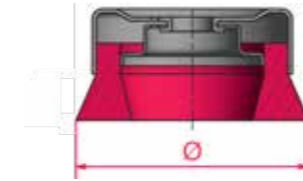
MILWAUKEE® wire brushes are evenly shaped, allowing the wire to distribute heat evenly. All our wire brushes are easy to attach to our tools, making cleaning and surface prep quick and effortless.

| MATERIAL                   | WORKPIECE MATERIAL |                        |           |                         |                         |           |         |
|----------------------------|--------------------|------------------------|-----------|-------------------------|-------------------------|-----------|---------|
|                            | STEEL              | STAINLESS STEEL (INOX) | ALUMINIUM | NON-FERROUS MEAL (SOFT) | NON-FERROUS MEAL (HARD) | CAST IRON | PLASTIC |
| STEEL WIRE                 | ✓                  | ✗                      | ✗         | ✗                       | ✗                       | ✓         | ●       |
| STAINLESS STEEL WIRE       | ●                  | ✓                      | ✓         | ●                       | ●                       | ✗         | ✗       |
| BRASS WIRE                 | ✗                  | ✗                      | ✗         | ✓                       | ✗                       | ✗         | ✗       |
| SILICON CARBIDE WIRE (SIC) | ✓                  | ✓                      | ✓         | ✗                       | ●                       | ✓         | ✓       |
| CERAMIC WIRE (C)           | ✓                  | ●                      | ●         | ✗                       | ✓                       | ✓         | ✗       |

✓ - Highly recommended ● - Recommended ✗ - Not recommended

## Cup brushes for small angle grinder, crimped

Cup brushes with crimped wire are used for medium duty brushing such as processing larger surfaces, rust removal and polishing, removal of paint, dirt and scale. The wire is highly flexible ensuring optimum adaptation to the workpiece contour to produce a fine surface finish. Use of high strength wire for aggressive brushing and therefore best removal results. Crimped, curved wire for maximum flexibility. Tight design for a longer service life. Suitable for 115mm and 125mm angle grinders.



| Diameter (mm) | Wire gauge | Type of wire    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|------------|-----------------|-----------------|---------------|---------------------|----------------|---------------|
| 65            | 0.35mm     | Steel           | M14             | 1             | 1                   | 4932501750     | 4058546644666 |
| 65            | 0.35mm     | Stainless steel | M14             | 1             | 1                   | 4932501751     | 4058546644673 |

## Bevel brushes for small angle grinder, crimped

Bevel brushes with crimped wire are used for medium duty brushing such as working on hard to reach areas, rust removal and polishing, removal of paint, dirt and scale and for deburring. The wire is highly flexible ensuring optimum adaptation to the workpiece contour to produce a fine surface finish. Use of high strength wire for aggressive brushing and therefore best removal results. Tight design for a longer service life. Special designed shape for smooth, low vibration running. Suitable for 115mm and 125mm angle grinders.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|-----------------|---------------|---------------------|----------------|---------------|
| 100           | 10          | 0.35mm     | Steel           | M14             | 1             | 1                   | 4932501748     | 4058546644642 |
| 100           | 10          | 0.35mm     | Stainless steel | M14             | 1             | 1                   | 4932501749     | 4058546644659 |

## Conical brushes for small angle grinder, knotted

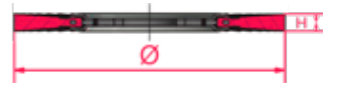
Conical brushes with knotted wire are used for processing hard-to-reach areas, processing welding seams and for removing scale, rust, paint and slag. Left-hand knotted with a special flower shape for long lifetime. Use of high strength wire for aggressive brushing and therefore best removal results. Optimum and even knotting for smooth, lower vibration running. Suitable for 115mm and 125mm angle grinders.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|-----------------|---------------|---------------------|----------------|---------------|
| 100           | 12          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501744     | 4058546644604 |
| 100           | 12          | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501745     | 4058546644611 |
| 115           | 12          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501746     | 4058546644628 |
| 115           | 12          | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501747     | 4058546644635 |

## Wheel brushes for small angle grinder, knotted

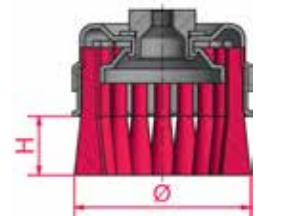
Wheel brushes with knotted wire are used for pre and post processing of weld seams, aggressive removal of scale, rust and slag and for heavy brushing work. Wheel brushes with knotted wire in a narrow design (pipeline brushes) are used for professional processing of U / V weld seams and for cleaning of weld seams on pipe connections. Left-hand knotted with a special flower shape for long lifetime. Use of high strength wire for aggressive brushing and therefore best removal results. Optimum and even knotting for smooth, lower vibration running. Suitable for 115mm and 125mm angle grinders.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|-----------------|---------------|---------------------|----------------|---------------|
| 115           | 14          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501738     | 4058546644543 |
| 115           | 14          | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501739     | 4058546644550 |
| 125           | 14          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501740     | 4058546644567 |
| 125           | 14          | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501741     | 4058546644574 |
| 125           | 6           | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501742     | 4058546644581 |
| 125           | 6           | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501743     | 4058546644598 |

## Cup brushes for small angle grinder, knotted

Cup brushes with knotted wire are used for heavy-duty brushing work on larger areas. They are designed for deburring, cleaning, derusting and descaling. Also suitable for preparing metal surfaces before painting, for removing slag, rust and concrete residue. Optimum and even knotting for smooth, lower vibration running. Use of high strength wire for aggressive brushing and therefore best removal results. Suitable for 115mm and 125mm angle grinders.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|-----------------|---------------|---------------------|----------------|---------------|
| 65            | 18          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501735     | 4058546644512 |
| 65            | 18          | 0.5mm      | Stainless steel | M14             | 1             | 1                   | 4932501736     | 4058546644529 |
| 90            | 20          | 0.5mm      | Steel           | M14             | 1             | 1                   | 4932501737     | 4058546644536 |

## End brushes for straight grinder, knotted

End brushes with knotted wire are used for medium duty brushing such as cleaning corners, holes and moulds and for removing paint and rubber residue.

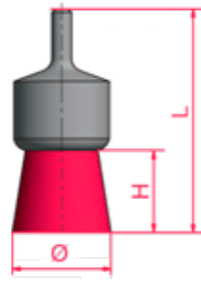
The knots will open according to the speed and therefore are great for processing hard-to-reach areas. They have almost the same application as end brushes with crimped wire, but with a more aggressive effect.

Optimum and even knotting for smooth, lower vibration running.

Special flower shape for long lifetime.

Use of high strength wire for aggressive brushing and therefore best removal results.

Suitable for straight grinders with max RPM of 20,000.



| Diameter (mm) | Height (mm) | Length (mm) | Wire gauge | Type of wire    | Shank reception  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|-------------|------------|-----------------|------------------|---------------|---------------------|----------------|---------------|
| 19            | 28          | 72          | 0.35mm     | Steel           | 6 mm round shank | 3             | 1                   | 4932501730     | 4058546644468 |
| 19            | 28          | 72          | 0.35mm     | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501731     | 4058546644475 |
| 22            | 28          | 72          | 0.35mm     | Steel           | 6 mm round shank | 3             | 1                   | 4932501732     | 4058546644482 |
| 22            | 28          | 72          | 0.35mm     | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501733     | 4058546644499 |
| 29            | 28          | 72          | 0.35mm     | Steel           | 6 mm round shank | 3             | 1                   | 4932501734     | 4058546644505 |

## End brushes for straight grinder, crimped

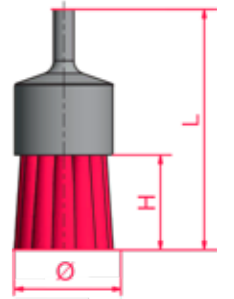
End brushes with crimped wire are used for light brushing such as cleaning corners, holes and moulds and for removing paint and rubber residues.

Best access to hard to reach areas such as drilled holes and cavities because the wires spread out / flare during rotation.

Ideal wire distribution for smooth, low vibration running.

Tight design for a longer life.

Suitable for straight grinders with max RPM between 18,000 - 20,000.



| Diameter (mm) | Height (mm) | Length (mm) | Wire gauge | Type of wire    | Shank reception  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|-------------|------------|-----------------|------------------|---------------|---------------------|----------------|---------------|
| 12            | 20          | 120         | 0.3mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501726     | 4058546644420 |
| 12            | 20          | 120         | 0.3mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501727     | 4058546644437 |
| 17            | 20          | 65          | 0.3mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501720     | 4058546644369 |
| 17            | 20          | 65          | 0.3mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501721     | 4058546644376 |
| 22            | 25          | 68          | 0.3mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501722     | 4058546644383 |
| 22            | 25          | 68          | 0.3mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501723     | 4058546644390 |
| 30            | 25          | 68          | 0.3mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501724     | 4058546644406 |
| 30            | 25          | 68          | 0.3mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501725     | 4058546644413 |

## Wheel brushes for straight grinder, knotted

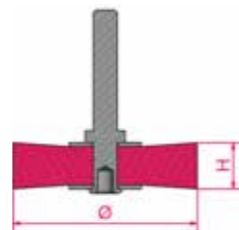
Wheel brushes with knotted wire are used for processing hard to reach areas, coarse brushing work, deburring and removing paint, scale or slag and for removing underbody protection in automotive applications.

Optimum and even knotting for smooth, lower vibration running.

Special flower shape for long lifetime.

Use of high strength wire for aggressive brushing and therefore best removal results.

Suitable for straight grinders with max RPM of 25,000.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|------------------|---------------|---------------------|----------------|---------------|
| 75            | 12          | 0.5mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501728     | 4058546644444 |
| 75            | 12          | 0.5mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501729     | 4058546644451 |

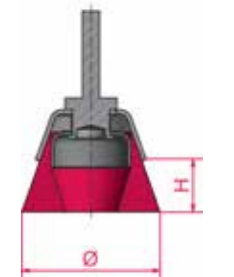
## Cup brushes for straight grinder, crimped

Cup brushes with crimped wire are used for deburring, cleaning and processing small and medium-sized surfaces. Ideal for brushing on flat and easily accessible surfaces.

Use of special wires for the best results and longer lifetime.

Ideal wire distribution for smooth, low vibration running.

Suitable for straight grinders with max RPM between 6,000 - 10,500.



| Diameter (mm) | Height (mm) | Wire gauge | Type of wire    | Shank reception  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|-------------|------------|-----------------|------------------|---------------|---------------------|----------------|---------------|
| 50            | 20          | 0.3mm      | Steel           | 6 mm round shank | 3             | 1                   | 4932501717     | 4058546644338 |
| 50            | 20          | 0.3mm      | Stainless steel | 6 mm round shank | 3             | 1                   | 4932501718     | 4058546644345 |
| 70            | 25          | 0.3mm      | Steel           | 6 mm round shank | 2             | 1                   | 4932501719     | 4058546644352 |

## Wheel brushes for straight grinder, crimped

Wheel brushes are used for general cleaning, smoothing, cleaning of weld seams, light deburring, and removal of corrosion and paint.

Wheel brushes with steel wire are used to remove rust and paint and to clean weld seams.

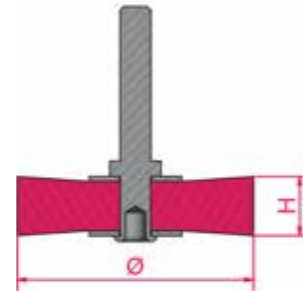
Wheel brushes with stainless steel wires are used for removing tempering colour from stainless steel weld seams. The stainless steel wire prevents contamination and rust.

Abrasive (silicon carbide or ceramic grain) wheel brushes are used for deburring stainless steel and aluminum. Use the ceramic grain for higher aggressiveness.

Highly flexible brush enables optimum adaptation to the workpiece contour and produces a fine surface finish.

Tight brush design for a longer life.

Suitable for straight grinders with max RPM between 15,000 - 20,000.



| Diameter (mm) | Grit | Height (mm) | Wire gauge | Type of wire          | Shank reception  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------|------|-------------|------------|-----------------------|------------------|---------------|---------------------|----------------|---------------|
| 30            | -    | 6           | 0.2mm      | Steel                 | 6 mm round shank | 3             | 1                   | 4932501699     | 4058546644154 |
| 30            | -    | 6           | 0.2mm      | Stainless steel       | 6 mm round shank | 3             | 1                   | 4932501700     | 4058546644161 |
| 40            | -    | 9           | 0.2mm      | Steel                 | 6 mm round shank | 3             | 1                   | 4932501701     | 4058546644178 |
| 40            | -    | 9           | 0.2mm      | Stainless steel       | 6 mm round shank | 3             | 1                   | 4932501702     | 4058546644185 |
| 50            | -    | 11          | 0.3mm      | Steel                 | 6 mm round shank | 3             | 1                   | 4932501703     | 4058546644192 |
| 50            | -    | 11          | 0.3mm      | Stainless steel       | 6 mm round shank | 3             | 1                   | 4932501704     | 4058546644208 |
| 60            | -    | 13          | 0.3mm      | Steel                 | 6 mm round shank | 3             | 1                   | 4932501705     | 4058546644215 |
| 60            | -    | 13          | 0.3mm      | Stainless steel       | 6 mm round shank | 3             | 1                   | 4932501706     | 4058546644222 |
| 70            | -    | 9           | 0.3mm      | Steel                 | 6 mm round shank | 3             | 1                   | 4932501707     | 4058546644239 |
| 70            | -    | 9           | 0.3mm      | Stainless steel       | 6 mm round shank | 3             | 1                   | 4932501708     | 4058546644246 |
| 50            | -    | 10          | 0.2mm      | Brass                 | 6 mm round shank | 3             | 1                   | 4932501709     | 4058546644253 |
| 70            | -    | 12          | 0.2mm      | Brass                 | 6 mm round shank | 3             | 1                   | 4932501710     | 4058546644260 |
| 50            | 120  | 10          | 1.1mm      | Silicon carbide grain | 6 mm round shank | 3             | 1                   | 4932501711     | 4058546644277 |
| 50            | 320  | 10          | 0.6mm      | Silicon carbide grain | 6 mm round shank | 3             | 1                   | 4932501712     | 4058546644284 |
| 70            | 120  | 12          | 1.1mm      | Silicon carbide grain | 6 mm round shank | 3             | 1                   | 4932501713     | 4058546644291 |
| 70            | 320  | 12          | 0.6mm      | Silicon carbide grain | 6 mm round shank | 3             | 1                   | 4932501714     | 4058546644307 |
| 50            | 120  | 10          | 1.1mm      | Ceramic grain         | 6 mm round shank | 3             | 1                   | 4932501715     | 4058546644314 |
| 50            | 320  | 10          | 0.6mm      | Ceramic grain         | 6 mm round shank | 3             | 1                   | 4932501716     | 4058546644321 |

## Premium polishing accessories - sponges

| Description                        | Diameter (mm) | Thickness (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|------------------------------------|---------------|----------------|---------------|---------------------|----------------|---------------|
| Sponge Red Coarse 140 / 20 mm      | 140           | 20             | 2             | 1                   | 4932492310     | 4058546416775 |
| Sponge Red Coarse 140 / 25 mm      | 140           | 25             | 2             | 1                   | 4932492319     | 4058546416867 |
| Sponge Red Coarse 160 / 20 mm      | 160           | 20             | 2             | 1                   | 4932492316     | 4058546416836 |
| Sponge Yellow Fine 140 / 20 mm     | 140           | 20             | 2             | 1                   | 4932492311     | 4058546416782 |
| Sponge Yellow Fine 140 / 25 mm     | 140           | 25             | 2             | 1                   | 4932492320     | 4058546416874 |
| Sponge Yellow Fine 160 / 20 mm     | 160           | 20             | 2             | 1                   | 4932492317     | 4058546416843 |
| Sponge Blue Ultra Fine 140 / 20mm  | 140           | 20             | 2             | 1                   | 4932492312     | 4058546416799 |
| Sponge Blue Ultra Fine 140 / 25 mm | 140           | 25             | 2             | 1                   | 4932492321     | 4058546416881 |
| Sponge Blue Ultra Fine 160 / 20 mm | 160           | 20             | 2             | 1                   | 4932492318     | 4058546416850 |



## Premium polishing accessories - cloths

| Description               | Length (mm) | Width (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---------------------------|-------------|------------|---------------|---------------------|----------------|---------------|
| Cloth Red 400 x 400 mm    | 400         | 400        | 2             | 1                   | 4932492306     | 4058546416737 |
| Cloth Yellow 400 x 400 mm | 400         | 400        | 2             | 1                   | 4932492307     | 4058546416744 |
| Cloth Blue 400 x 400 mm   | 400         | 400        | 2             | 1                   | 4932492308     | 4058546416751 |



### Premium Polishing Accessories - compounds

| Description   | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|---------------------|----------------|---------------|
| <b>Compound Red Coarse 11</b><br>Polish 1500 compound. A coarse 1500 grit polish for removing deep scratches without damaging the lacquer. Suitable for removing dust grains, orange peel texture, lacquer/paints runs and deep scratches. Free of wax, silicone and toxic solvents. Recommended for use with polishing red hard coarse sponge and red cloth. | 1             | 1                   | 4932492300     | 4058546416676 |
| <b>Compound Yellow Fine 11</b><br>Polish 2000 compound. A coarse 2000 grit polish for removing fine scratches without damaging the lacquer. Free of wax, silicone and toxic solvents. Recommended for use with polishing yellow soft fine sponge and yellow cloth.  | 1             | 1                   | 4932492301     | 4058546416683 |
| <b>Compound Blue Ultra Fine 11</b><br>Polish compound 3000. A medium fine compound with 3000 grit for removing fine scratches, holograms and swirls. Free of silicone. Recommended for use with polishing super fine blue sponge and blue microfibre polishing cloth.   | 1             | 1                   | 4932492302     | 4058546416690 |



### Polishing accessories - hook & loop Ø 125/150 mm

| Description  | Diameter (mm) | Height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|-------------|---------------|---------------------|----------------|---------------|
| Polishing backing pad.<br>Application: Reception of felt / lambswool polishing discs and sponges.<br>Characteristics: M14 thread, break resistant with integrated soft and flexible foam layer, Hook & Loop fixation             | 150           | 25          | 1             | 1                   | 4932373161     | 4002395347285 |
| Felt polishing disc.<br>Application: second polishing / finish of new lacquer work (spray mist and inclusion of dust), non ferrous metals and stainless steel, can also be used with polishing paste. Requires polishing backing | 150           | 25          | 1             | 1                   | 4932373163     | 4002395347902 |
| Lambswool polishing disc. Finishing high gloss polishing   | 150           | 25          | 1             | 1                   | 4932373164     | 4002395347926 |
| Polishing sponge hard. Polish up of weather-beaten lacquer, lacquer re-conditioning  | 150           | 50          | 1             | 1                   | 4932373165     | 4002395347940 |
| Polishing sponge soft. Second polish of lacquer, lacquer care  | 150           | 50          | 1             | 1                   | 4932373186     | 4002395347964 |



### Hook & Loop Ø 125 mm

| Description  | Diameter (mm) | Height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|---------------|-------------|---------------|---------------------|----------------|---------------|
| Polishing backing pad with M14 thread. Very flat design with excellent flexibility. Low vibration allows precise work on any flat and curved profiles  | 125           | -           | 1             | 1                   | 4932430394     | 4002395380558 |
| Lambswool polishing disc. 100% natural lambswool. Premium quality with extremely high fibre density for longer lifetime. Integrated soft touch layer guarantees perfect adjustment to flat and curved profiles. For finishing old and fresh paint. Extremely good polishing of temperature sensitive clear lacquers thanks to heat resistant fibres, e.g. polishing car bumper | 135           | 25          | 1             | 1                   | 4932430395     | 4002395380565 |
| Microfibre polishing cloth. Super-soft premium microfibre polishing cloth for finishing gloss polishing. With good absorption properties perfectly suited for final finishing and removing water spots from sensitive surfaces. Machine-washable with 30° without softener   | -             | -           | 1             | 1                   | 4932430398     | 4002395380596 |



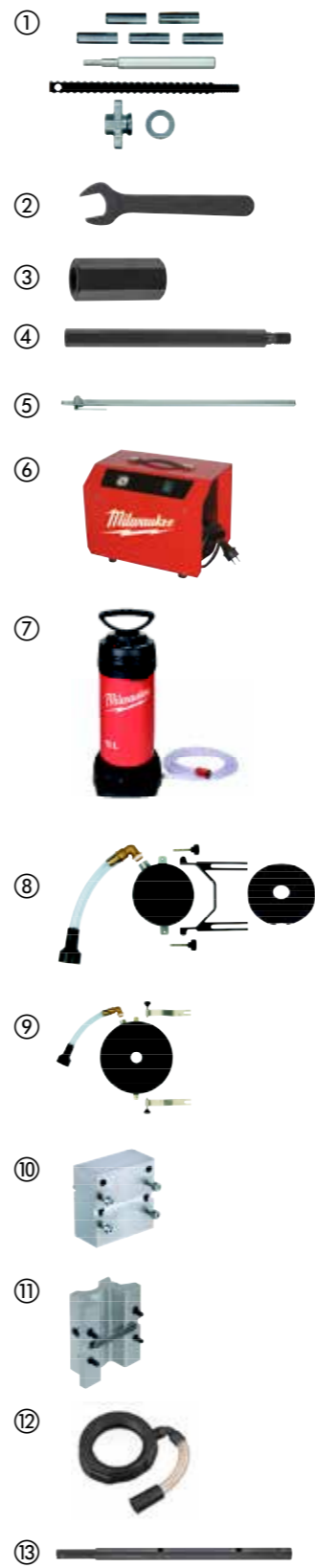
### Spot polisher

| Description   | Diameter (mm) | Height (mm) | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|---------------|-------------|---------------|---------------------|----------------|---------------|
| Polishing / Sanding backing pad. Thread: M9 x 0.75.<br>Hook and loop fixation. For use with polishing sponges and abrasive paper  | 76            | -           | 1             | 1                   | 4932430488     | 4002395381494 |
| Polishing sponge - Hard (yellow). Hard sponge for use with more aggressive polish for removal of deep scratches. Hook and loop fixation. For use with polishing / sanding backing pad   | 75            | 25          | 1             | 1                   | 4932430489     | 4002395381500 |
| Polishing sponge - Soft (white). Soft sponge for use with light polish for removal of small scratches. Hook and loop fixation. For use with polishing / sanding backing pad   | 80            | 25          | 1             | 1                   | 4932430490     | 4002395381517 |
| Lambswool polishing pad. Hook and loop fixation. For use with polishing / sanding backing pad   | 80            | -           | 1             | 1                   | 4932430838     | 4002395385003 |
| Fibre disc backing pad. Thread: M9 x 0.75 to affix to tool. Knurled thread to fix coated abrasives and surface finishing products for coarse sanding applications, such as rust removal. Ideal for sanding small or awkward to reach areas such as pinch welds, door shuts and wheel arches | 46            | -           | 1             | 1                   | 4932430492     | 4002395381531 |



## System attachments - wet diamond drilling

| Description   | Fits DD3-152 | Fits DCM2-250C & DCM2-350C | Fits MXF DCD150 | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|---|--------------|----------------------------|-----------------|---------------|---------------------|----------------|---------------|
| Fixing kit  | ✓            | ✓                          | ✓               | 9             | 1                   | 4932399731     | 4002395363827 |
| ① Stud bolt, setting tool, wing nut, washer and 5 pcs M12 drop anchor   |              |                            |                 |               |                     |                |               |
| 1 3/8" open ended spanner. For holding the motor output spindle while removing a core bit   |              | ✓                          |                 | 1             | 1                   | 49964705       | 045242222766  |
| ② 32 mm ended spanner. For holding the motor output spindle while removing a core bit.  | ✓            |                            |                 | 1             | 1                   | 4931428009     | 4002395844791 |
| 41 mm open ended spanner. For removing the core bit from the motor spindle.   | ✓            | ✓                          |                 | 1             | 1                   | 4931428010     | 4002395844807 |
| ③ 1 1/4" female to 1/2" female adaptor. To enable the connection of <50 mm diamond core bits on a 1 1/4" machine spindle thread   | ✓            | ✓                          |                 | 1             | 1                   | 4932352627     | 4002395372850 |
| ④ 1 1/4" female / male extension rod, length 300 mm   | ✓            | ✓                          | ✓               | 1             | 1                   | 4932399724     | 4002395363759 |
| 1 1/4" female / male extension rod, length 500 mm   | ✓            | ✓                          | ✓               | 1             | 1                   | 4932399725     | 4002395363766 |
| ⑤ Telescopic extension. Extension pole used to fix drill rig to the ground instead of anchor bolts. Maximum load of 500 kg and adjustable extension height from 1.8-2.9 m | ✓            | ✓                          | ✓               | 1             | 1                   | 4932399732     | 4002395363834 |
| ⑥ Vacuum pump VP6   | ✓            | ✓                          | ✓               | 1             | 1                   | 4932352094     | 4002395367474 |
| ⑦ WT 10 watertank   | ✓            | ✓                          | ✓               | 1             | 1                   | 4932399726     | 4002395363773 |
| ⑧ Water collection ring: For use with drill rig DR 152 T. For use with max. Ø 152 mm core bits  |              |                            |                 | 1             | 1                   | 4932478073     | 4058546340063 |
| ⑨ Water collection ring: max. Ø 180 mm  |              |                            | ✓               | 1             | 1                   | 4932399727     | 4002395363780 |
| Replacement rubber ring for DR 250 TV   |              |                            | ✓               | 1             | 1                   | 4932399729     | 4002395363803 |
| ⑩ Water collection ring: For use with drill rig DR 350 T. For use with max. Ø 300 mm core bits  |              |                            |                 | 1             | 1                   | 4932399728     | 4002395363797 |
| Replacement rubber ring for DR 350 T  |              |                            |                 | 1             | 1                   | 4932399730     | 4002395363810 |
| ⑪ Quick connection motor mounting plate. Included in both drill rigs DR 250 TV and DR 350 T   |              | ✓                          |                 | 1             | 1                   | 4932399733     | 4002395363841 |
| ⑫ Water collection ring: For universal use with diamond drilling tools. For use with max. Ø 152 mm core bits  | ✓            | ✓                          | ✓               | 1             | 1                   | 4932478073     | 4058546340063 |
| ⑬ Guide rod for DD3-152. Requires SDS-plus pilot drill (Ø 8 x 110 mm)   | ✓            | ✓                          | ✓               | 1             | 1                   | 4932352679     | 4002395373376 |



## Rotary hammers - System attachments

### Rotary hammer chuck adaptors

| Tool Drive | Reception     | Id. No. 4932 | EAN Code 4002395 |
|------------|---------------|--------------|------------------|
| ① FIXTEC   | SDS-Plus      | 379877       | 346561           |
| ② FIXTEC   | SDS-Plus      | 399152       | 357628           |
| ③ FIXTEC   | SDS-Plus      | 352299       | 369584           |
| ④ FIXTEC   | 1/2" x 20 UNF | 371807       | 344710           |
| ⑤ FIXTEC   | 1/2" x 20 UNF | 399154       | 357635           |
| ⑥ SDS-Plus | 1/2" x 20 UNF | 367438       | 337668           |
| ⑦ SDS-Plus | 1/2" x 20 UNF | 367166       | 334438           |

⑤ Only suitable for PLH 16 QEX, V28 HX, V18 HX, PLH 26 QEX, PH 30 Power X, KH 26 XE, KH 24 XE, KH 28 Super XE, BH 26 LXE and PH 26 X.

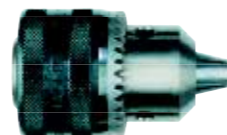
⑥ Chuck adaptor with direct bit reception (1/4" Hex) to accept screwdriving bits. Threaded housing enables adaptor to be tightened to the chuck resulting in no wobble.

⑦ Chuck adaptor with retaining screw.



## Keyed chucks

| Chuck jaws open (mm) | Drill reception | Safety screw | Rotary drill | Battery drill | Chuck key | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------|-----------------|--------------|--------------|---------------|-----------|---------------|---------------------|----------------|---------------|
| 1.5-13               | 1/2" x 20       | ✓            | ✓            | ✓             | A         | 1             | 1                   | 4932267980     | 4002395300488 |
| 3.0-16               | Taper B16       |              | ✓            |               | C         | 1             | 1                   | 4932127010     | 4002395306169 |
| 3.0-16               | M18x2.5         | ✓            | ✓            | ✓             | C         | 1             | 1                   | 4932320014     | 4002395310784 |



## Keyed chucks - machine specific

| Chuck jaws open (mm) | Drill reception | Fits Milwaukee Drill Drivers | Safety screw | Chuck key | Pack quantity | Min. order quantity | Article Number | EAN Code     |
|----------------------|-----------------|------------------------------|--------------|-----------|---------------|---------------------|----------------|--------------|
| 1.0-10               | 3/8" x 24       | HDE 6 RQ                     | ✓            | H         | 1             | 1                   | 48660817       | 045242155705 |



## Keyed chucks with 1/4" Hex reception

| Chuck jaws open (mm) | Drill reception | Battery drill | Chuck key | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------|-----------------|---------------|-----------|---------------|---------------------|----------------|---------------|
| 1.0-10               | 1/4" Hex        | ✓             | A         | 1             | 1                   | 4932314867     | 4002395300112 |



## Chuck keys

| Description                 | Type  | Ref. No.  | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|-----------------------------|---|-----------|---------------|---------------------|----------------|---------------|
| ① Chuck key                 | A   | S2A       | 1             | 1                   | 4932221378     | 4002395302765 |
|                             | B   | S2AT      | 1             | 1                   | 4932310612     | 4002395309177 |
|                             | C   | S3T       | 1             | 1                   | 4932221379     | 4002395306381 |
|                             | D   | S14       | 1             | 1                   | 4932304684     | 4002395300105 |
|                             | E   | S4        | 1             | 1                   | 4932221380     | 4002395306398 |
|                             | G   | S2        | 1             | 1                   | 4932319995     | 4002395303724 |
|                             | H   |           | 1             | 1                   | 48663350       | 045242157600  |
|                             | J   |           | 1             | 1                   | 48663240       | 045242157501  |
|                             | K   |           | 1             | 1                   | 48663280       | 045242157556  |
|                             | ② Morse taper No. 3 adaptor for chucks with B16 taper | MT3 - B16 |               | 1                   | 1              | 4932117042    |
| Ejector tool DIN 317 size 3 |   |           | 1             | 1                   | 4932604226     | 4002395311248 |



## Keyless chucks

### Keyless chucks 2 sleeves

| Chuck jaws open (mm) | Reception | Locking device | Safety screw | Rotary drill | Percussion drill | Battery drill | Pack quantity | Min. order quantity | Article Number          | EAN Code      |
|----------------------|-----------|----------------|--------------|--------------|------------------|---------------|---------------|---------------------|-------------------------|---------------|
| 1.0-10               | 3/8" x 24 |                | ✓            | ✓            |                  | ✓             | 1             | 1                   | 4932349457              | 4002395318155 |
| 1.0-10               | 1/2" x 20 | ✓              | ✓            | ✓            | ✓                | ✓             | 1             | 1                   | 4932364382              | 4002395337675 |
| 1.5-13               | 1/2" x 20 | ✓              |              | ✓            | ✓                | ✓             | 1             | 1                   | 4932376531              | 4002395346332 |
| 1.5-13               | 1/2" x 20 | ✓              | ✓            | ✓            | ✓                | ✓             | 1             | 1                   | 4932376533              | 4002395346349 |
| 1.5-13               | 1/2" x 20 | ✓              |              | ✓            | ✓                | ✓             | 1             | 1                   | 4932364265 <sup>1</sup> | 4002395334056 |
| 1.5-13               | 1/2" x 20 | ✓              | ✓            | ✓            | ✓                | ✓             | 1             | 1                   | 4932364267              | 4002395334070 |



<sup>1</sup> Industrial quality

### Keyless chucks for FIXTEC (spindle lock) machines

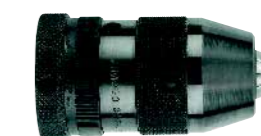
| Chuck jaws open (mm) | Locking device | Safety screw | Rotary drill | Battery drill | Pack quantity | Min. order quantity | Article Number | EAN Code                |               |
|----------------------|----------------|--------------|--------------|---------------|---------------|---------------------|----------------|-------------------------|---------------|
| 1.0-10               | 3/8" x 24      | ✓            | ✓            | ✓             | ✓             | 1                   | 1              | 4932371018              | 4002395339365 |
| 1.0-10               | 1/2" x 20      | ✓            | ✓            | ✓             | ✓             | 1                   | 1              | 4932372443              | 4002395345458 |
| 1.5-13               | 1/2" x 20      | ✓            | ✓            | ✓             | ✓             | 1                   | 1              | 4932371913              | 4002395345366 |
| 1.5-13               | 3/8" x 24      | ✓            | ✓            | ✓             | ✓             | 1                   | 1              | 4932399492              | 4002395361137 |
| 1.5-13               | 3/16" x 18     | ✓            | ✓            | ✓             | ✓             | 1                   | 1              | 4932478806 <sup>1</sup> | 4058546360887 |



<sup>1</sup> Fits M18 FDD(2)/ M18 FPD(2)

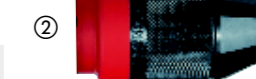
### Industrial keyless chucks for corded percussion drills

| Chuck jaws open (mm) | Reception | Locking device | Rotary drill | Battery drill | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------|-----------|----------------|--------------|---------------|---------------|---------------------|----------------|---------------|
| 1.0-13               | 1/2" x 20 | ✓              | ✓            | ✓             | 1             | 1                   | 4932364266     | 4002395334063 |



### Keyless chucks - specific tool related chucks

| Chuck jaws open (mm) | Reception | Machine specific | Locking device | Rotary drill | Safety screw | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|----------------------|-----------|------------------|----------------|--------------|--------------|---------------|---------------------|----------------|---------------|
| ① 1.0-10             | 1/2" x 20 | HDE 10 RQX       |                |              | ✓            | 1             | 1                   | 48661520       | 045242156795  |
| ① 1.5-13             | 1/2" x 20 | HDE 13 RQX       |                |              | ✓            | 1             | 1                   | 42660755       | 4002395891436 |
| ② 1.5-13             | FIXTEC    |                  | ✓              | ✓            |              | 1             | 1                   | 4932399214     | 4002395358236 |
| ③ 1.0-10             | FIXTEC    | M12 BDDX         |                | ✓            |              | 1             | 1                   | 4932430444     | 4002395381050 |



## System attachments - planers

| Description  | All planers 82 & 102mm | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|------------------------|---------------|---------------------|----------------|---------------|
| Parallel guide   | ✓                      | 1             | 1                   | 4932274071*    | 4002395300358 |
| Folding rebate depth gauge. For all planers except H500 / PR 1.6-82 models | ✓                      | 1             | 1                   | 4932274069     | 4002395300129 |

## Planer blades

| Description  | Width (mm) | Fits planers       | Pack quantity | Min. order quantity | Article Number | EAN Code      |
|--|------------|--------------------|---------------|---------------------|----------------|---------------|
|  | 56.1 mm    | M12 BLP            | 2             | 1                   | 4932493399     | 4058546482701 |
| Tungsten carbide reversible blades. Two reversible blades, suitable for soft and hardwoods | 82 mm      | M18 BP,H 500,H 750 | 2             | 1                   | 4932273484     | 4002395300150 |
|  | 102 mm     | HB 750,HBE 800     | 2             | 1                   | 4932316243     | 4002395300167 |





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