Milwaukee®

Nothing but **HEAVY DUTY.**™



2021/22

ACCESSORIES AND HAND TOOLS CATALOGUE



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MX4™

4x LIFE IN REBAR*

*Vs Standard 2 cutter drill bit

At MILWAUKEE®, we strive to do things better. To make life easier in the toughest working conditions. We pour our energy into the relentless improvement of our products, and even the most minor improvements begin with understanding the challenges of the jobsite.

This intrinsic understanding of the challenge has led to the creation of our next generation MX4™, a game-changer in drill bit technology. Solid carbide construction means longer life, Target Tip Technology and a shaper angled tip means greater accuracy and next level speed in drilling through the toughest materials.

MX4™ is the benchmark in SDS-Plus and SDS-Max drill bits. Because at MILWAUKEE®, every bit matters.





NEW

TARGET TIP TECHNOLOGY

IMPROVED PERFORMANCE ON REBAR

FULL CARBIDE TIP*
FOR BEST PERFORMANCE
*≤10MM

SHARPER ANGLED TIP
IMPROVED REBAR PERFORMANCE

116 HOLES PER CHARGE*

* at a depth of 50mm with a 6mm MX4 drill bit, using a 5.5amp High output battery.

PRECISION GERMAN ENGINEERING

PGM RATED
FOR PRECISE DRILLING

4 VARIABLE FLUTE DESIGN

FOR FASTER DRILLING

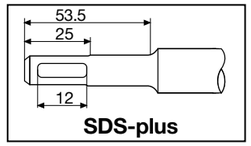


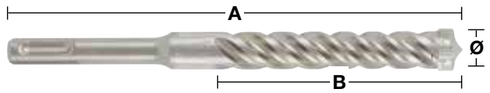
NEW
TARGET TIP TECHNOLOGY

SDS-Plus MX4 drill bits - 4 cut

NEW MX4™

- Symmetrical 4 cutter geometry (4 x 90°). Perfect round holes for optimal anchor fitting
- New sharper angled tip design for easy spot drilling with pinpoint accuracy and increased performance on rebar
- One piece solid full welded carbide tip on 5-10 mm and one piece slotted carbide tip on 12-32 mm for best lifetime
- 4 flute geometry: The high volume 4 flute geometry ensures the optimum removal of dust and debris
- PGM rated
- Made in Germany





Diameter (mm)	Total length (mm) A	Working length (mm) B	Pre-drill	Pack quantity	Min. order quantity	Article Number	EAN Code
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	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
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	465	400	✔	1	1	**4932352713**	4002395373710
9	165	100		1	1	**4932352944**	4002395376025
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	455	390	✔	1	1	**4932352030**	4002395366873
10	600	540	✔	1	1	**4932352945**	4002395376032
10	1000	940	✔	1	1	**4932352946**	4002395376049
12	160	100		1	1	**4932352031**	4002395366880
12	210	160		1	1	**4932352032**	4002395366897
12	260	210		1	1	**4932352033**	4002395366903
12	310	250		1	1	**4932352034**	4002395366910
12	450	400	✔	1	1	**4932352035**	4002395366927
12	600	540	✔	1	1	**4932352947**	4002395376056
12	1000	940	✔	1	1	**4932352948**	4002395376063
14	160	110		1	1	**4932352036**	4002395366934
14	210	150		1	1	**4932352037**	4002395366941
14	260	200		1	1	**4932352949**	4002395376070
14	310	250		1	1	**4932352038**	4002395366958

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

SDS-Plus MX4 drill bits - 4 cut

NEW

Diameter (mm)	Total length (mm) A	Working length (mm) B	Pre-drill	Pack quantity	Min. order quantity	Article Number	EAN Code
14	380	330		1	1	**4932478473**	4058546346645
14	450	400	✔	1	1	**4932352039**	4002395366965
14	600	540	✔	1	1	**4932352950**	4002395376087
14	1000	940	✔	1	1	**4932352951**	4002395376094
15	160	100		1	1	**4932430725**	4002395383863
15	260	200		1	1	**4932352952**	4002395376100
16	160	100		1	1	**4932430726**	4002395383870
16	210	150		1	1	**4932352953**	4002395376117
16	260	200	✔	1	1	**4932352819**	4002395374779
16	310	250		1	1	**4932352954**	4002395376124
16	450	400	✔	1	1	**4932352820**	4002395374786
16	600	540	✔	1	1	**4932352955**	4002395376131
16	1000	940	✔	1	1	**4932352956**	4002395376148
17	210	150		1	1	**4932478474**	4058546346652
18	250	200		1	1	**4932356502**	4002395320950
18	450	400	✔	1	1	**4932356503**	4002395320967
20	250	200		1	1	**4932356504**	4002395320974
20	450	400	✔	1	1	**4932356505**	4002395320981
22	250	200		1	1	**4932399332**	4002395359608
22	450	400	✔	1	1	**4932356506**	4002395320998
24	250	200		1	1	**4932356507**	4002395321001
24	450	400	✔	1	1	**4932356508**	4002395321018
25	250	200		1	1	**4932399333**	4002395359615
25	450	400	✔	1	1	**4932356509**	4002395321025
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

NEW

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	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	160	100	10	1	**4932352049**	4002395367061
12	210	150	10	1	**4932352050**	4002395367078
12	260	200	10	1	**4932471256**	4058546288846
14	210	150	10	1	**4932471257**	4058546288853
16	260	200	10	1	**4932471258**	4058546288860

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

NEW

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	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	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	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	160	100	50	1	**4932472160**	4058546325565
12	210	150	50	1	**4932430443**	4002395381043
12	310	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

NEW

	Description	Supplied in	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**SDS-Plus MX4 drill bit set (5pc)** Ø 5 / 6 x 115 mm, Ø 6 / 8 x 165 mm, Ø 10 x 165 mm	Plastic container	5	1	**4932352833**	4002395374915
①	**SDS-Plus MX4 drill bit set (5pc)** Ø 5.5 x 115 mm, Ø 5.5 / 6 / 7 / 8 x 165 mm	Plastic container	5	1	**4932352835**	4002395374939
②	**SDS-Plus MX4 drill bit set (7pc)** Ø 5 / 6 x 115 mm, Ø 6 / 8 / 8 / 10 x 165 mm, Ø 12 x 160 mm	Plastic cassette	7	1	**4932478626**	4058546348199
②	**SDS-Plus MX4 drill bit set (7pc)** Ø 5.5 / 6 x 115 mm, Ø 5 / 5.5 / 6 / 8 / 10 x 165 mm	Plastic cassette	7	1	**4932478627**	4058546348205
③	**Counter display SDS-Plus MX4 drill bit set (7pc)** 6 x SDS-Plus MX4 7pc set (4932478626)	Plastic cassette	6	1	**4932478673**	4058546348663
③	**Counter display SDS-Plus MX4 drill bit set (7pc)** 6 x SDS-Plus MX4 7pc set (4932478627)	Plastic cassette	6	1	**4932478674**	4058546348670



PROFESSIONAL

FAST DRILLING IN CONCRETE



25% FASTER

3 BREAKER POINTS

*vs. previous generation



2 VARIABLE FLUTE DESIGN



2 CUTTER

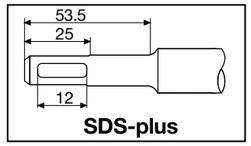
IDEAL IN CONCRETE DRILLING APPLICATIONS WITH CORDLESS HAMMERS

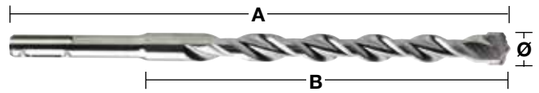
SDS-Plus M2 drill bits - 2 cut

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.

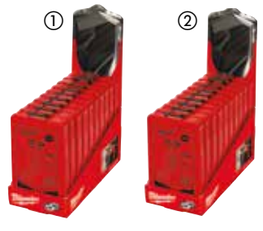
SDS-Plus M2 drill bits - 2 cut

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

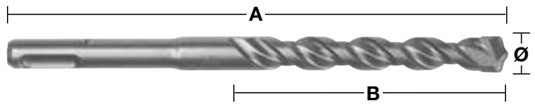
✔Pre drill with a short drill bit of the same diameter.

SDS-Plus M2 drill bits - 2 cut / counter displays

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**Counter display** 10 x 7 pc SDS-Plus M2 drill bit set (4932352339)	10	1	**4932352341**	4002395370009
②	**Counter display** 10 x 10 pc SDS-Plus M2 drill bit set (4932352340)	10	1	**4932352342**	4002395370016



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)** 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)** 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)** Ø 10 / 12 / 14 / 16 / 20 x 450 mm	5	1	**4932352801**	4002395374595
②	**SDS-Plus M2 drill bit set (7pc)** Ø 5 / 6 / 8 x 110 mm and Ø 6 / 8 / 10 / 12 x 160 mm	7	1	**4932352339**	4002395369980
③	**SDS-Plus M2 drill bit set (10pc)** Ø 5 / 6 / 6 x 110 mm and Ø 6 / 6 / 8 / 8 / 10 / 12 / 14 x 160 mm	10	1	**4932352340**	4002395369997
④	**Drill bit and chisel set (5pc)** 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*

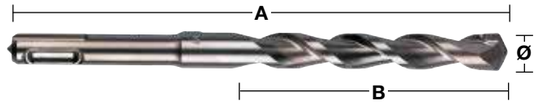
M4™ M2™

SDS-PLUS | **SDS-MAX** | **CHISELS**

MADE IN GERMANY

SDS-Plus TCT multipurpose drill bits

These drill bits will drill in metal, wood and stone but in rotary mode only.
Hammer action cannot be used with these drill bits.
Ideal for tradesmen who need to drill through a variety of materials in one go.
Made in Germany.



Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
6	160	100	1	1	**4932373918**	4002395353484
8	210	150	1	1	**4932373919**	4002395353491
10	260	200	1	1	**4932373920**	4002395353507
12	260	200	1	1	**4932373921**	4002395353514

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.

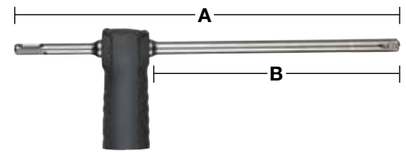




Length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
300	1	1	**4932471153**	4058546287818
450	1	1	**4932471154**	4058546287825

SDS-Plus dustless drill bits - 4 cut - One piece design

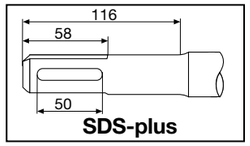
Faster and more efficient drill bit due to effective dust removal.
Efficient drilling without dust for a safer and cleaner working environment.
Active drill bit head cooling for a longer life.
4 cutter design prevents the drill bit from jamming into the rebar.
Accurate concentricity and high dimensional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

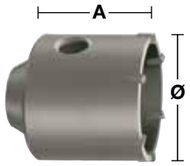


Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
12	325	200	1	1	**4932459283**	4058546002497
14	360	240	1	1	**4932459284**	4058546002503
16	360	240	1	1	**4932459285**	4058546002510
18	360	240	1	1	**4932459286**	4058546002527
Universal vacuum cleaner adaptor			1	1	**4931416173**	4002395805501

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.

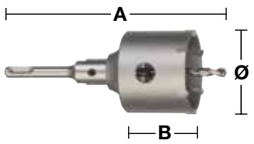




Diameter (mm)	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
35	58	1	1	**4932344478**	4002395312559
50	58	1	1	**4932344479**	4002395312566
65	50	1	1	**4932344480**	4002395312573
68	50	1	1	**4932399099**	4002395357031
82	50	1	1	**4932344481**	4002395312580
90	50	1	1	**4932344482**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

SDS-Plus TCT core cutter - set

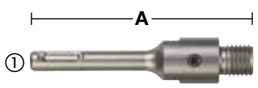
Set version includes: TCT core cutter, SDS-Plus arbor 105 mm length, TCT pilot drill bit Ø 8 x 120 mm and allen key.

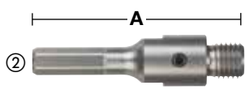


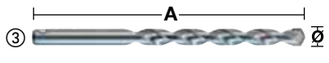
Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
65	182	50	4	1	**4932399295**	4002395359097
68	182	50	4	1	**4932399296**	4002395359103
82	182	50	4	1	**4932399297**	4002395359110

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



MX4™

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.

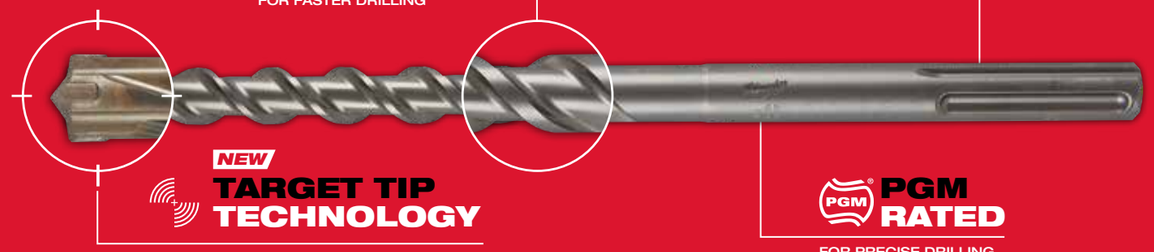
NEW
TARGET TIP TECHNOLOGY

SHARPER ANGLED TIP
IMPROVED REBAR PERFORMANCE

2x LIFE IN REBAR*
* Vs previous generation

4 VARIABLE FLUTE DESIGN*
FOR FASTER DRILLING

PRECISION GERMAN ENGINEERING



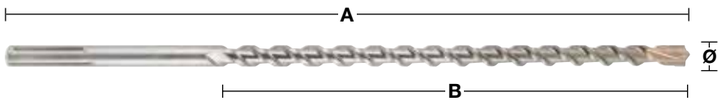
NEW
TARGET TIP TECHNOLOGY

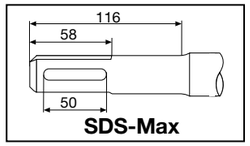
PGM RATED
FOR PRECISE DRILLING

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

SDS-Max MX4 drill bits - 4 cut

NEW



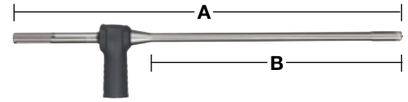


Diameter (mm)	Total length (mm) A	Working length (mm) B	Pre-drill	Pack quantity	Min. order quantity	Article Number	EAN Code
12	340	200		1	1	**4932352750**	4002395374083
12	540	400	✔	1	1	**4932352751**	4002395374090
12	690	550		1	1	**4932430727**	4002395383887
14	340	200		1	1	**4932352752**	4002395374106
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
SDS-Max drill bits set (5pc) 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.

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.

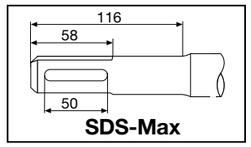


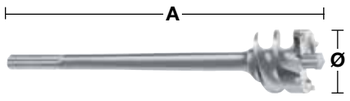
Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
16	600	400	1	1	**4932459287**	4058546002534
18	600	400	1	1	**4932459288**	4058546002541
20	600	400	1	1	**4932459289**	4058546002558
22	600	400	1	1	**4932459290**	4058546002565
24	600	400	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	600	400	1	1	**4932459299**	4058546002657
35	900	700	1	1	**4932459300**	4058546002664
Universal vacuum cleaner adaptor			1	1	**4931416173**	4002395805501



SDS-Max TCT tunnel drill bits - One piece design

One piece solid steel tool.
Increased lifetime.
Vario tunnel drill bits (supplied with thread).
Suitable for all rotary hammers.
Made in Germany.
Not suitable for reinforced concrete.

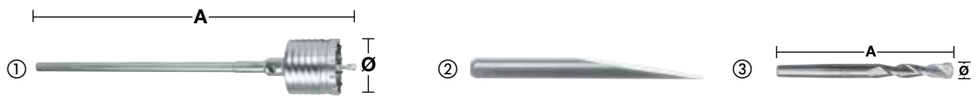




Diameter (mm)	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
45	550	1	1	**4932373892**	4002395353217
45	990	1	1	**4932399366**	4002395359837
55	550	1	1	**4932373893**	4002395353224
55	990	1	1	**4932399368**	4002395359851
65	550	1	1	**4932373894**	4002395353231
65	990	1	1	**4932399370**	4002395359875
80	550	1	1	**4932373895**	4002395353248
80	990	1	1	**4932399372**	4002395359899

SDS-Max TCT core cutters - One piece design

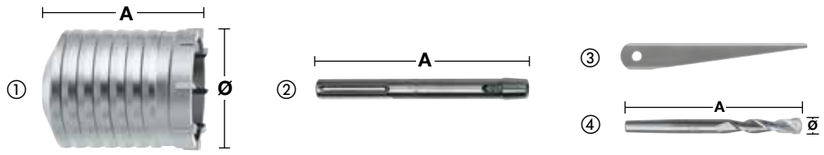
One piece solid steel tool.
Increased lifetime.
Supplied with pilot drill bit and ejector tool.
Made in Germany.
Not suitable for reinforced concrete.

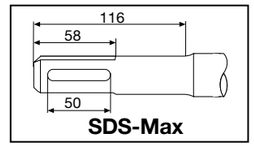


Description	Diameter (mm)	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
①	50	290	1	1	**4932399373**	4002395359905
	50	550	1	1	**4932373884**	4002395353132
	68	290	1	1	**4932399374**	4002395359912
	68	550	1	1	**4932373885**	4002395353149
	80	290	1	1	**4932399375**	4002395359929
	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**	4002395356065
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	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 Ejector tool	-	-	1	1	**4932604214**	4002395311231
④ Pilot drill bit	11	120	1	1	**4932245967**	4002395307111

SDS-Max to SDS-Plus chuck adaptor

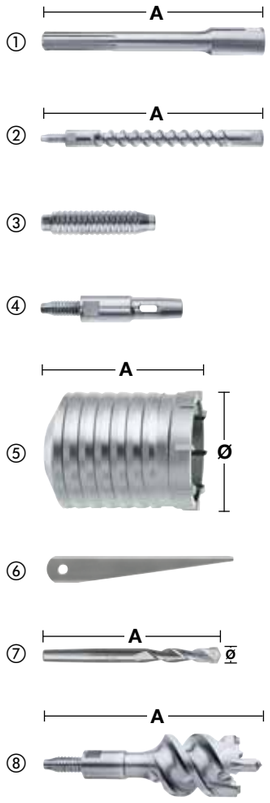


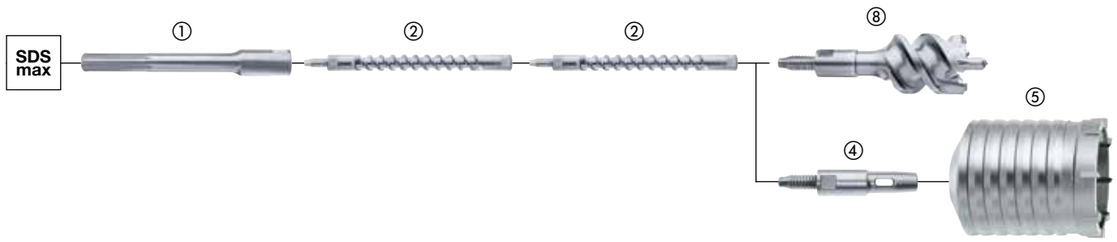
Description	Tool reception	Drill reception	Pack quantity	Min. order quantity	Article Number	EAN Code
SDS-Max to SDS-Plus chuck adaptor	SDS-Max	SDS-Plus	1	1	**4932359490**	4002395325795

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



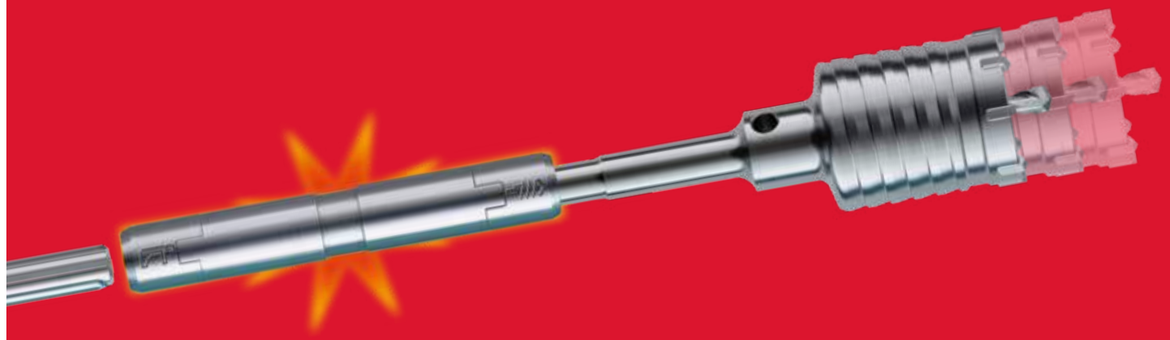


Drill Connect

The innovative and patented 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.

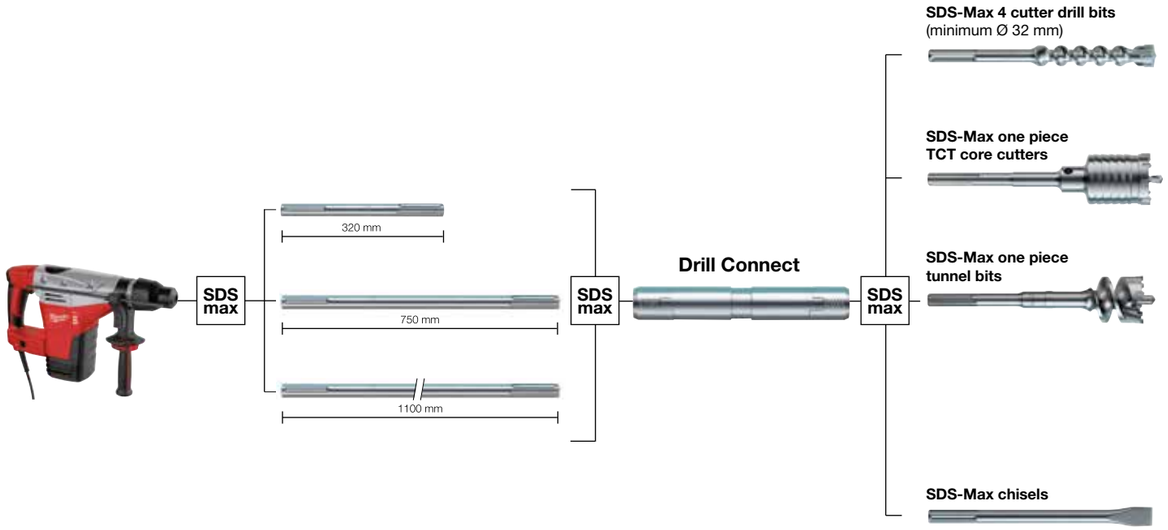


100 % Power:
The Drill Connect attachment provides a quick and safe connection between drilling tool and extension piece and therefore ensures that 100 % of the power is completely transmitted to the drill bit tip.



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

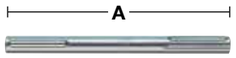
Suitable for use with drilling tools with a Ø of 32 mm and above.
For use with rotary hammers up to 8 kg in weight.

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



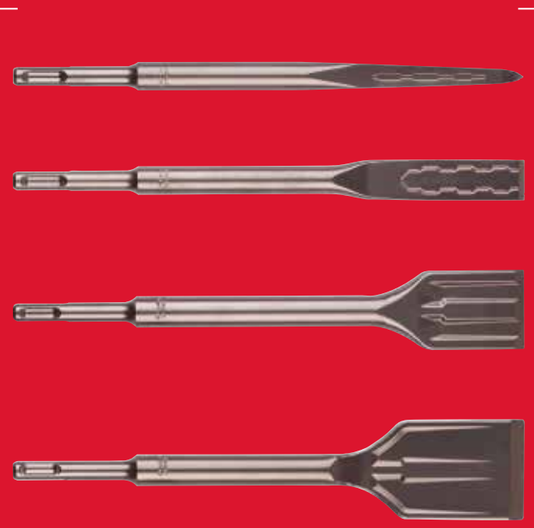
SLEDGE™ CHISELS

2x 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

SDS-Plus SLEDGE™ self sharpening chisels

NEW

Up to 2x longer life compared to standard chisels.
Self-sharpening tip geometry.
Extra long working length for more material removal.
Re-grinded 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-Plus SLEDGE™ pointed chisel	250	-	1	1	**4932478262**	4058546344399
				10	1	**4932478272**	4058546344498
②	SDS-Plus SLEDGE™ flat chisel	250	20	1	1	**4932478263**	4058546344405
				10	1	**4932478273**	4058546344504
③	SDS-Plus SLEDGE™ wide chisel	250	40	1	1	**4932478264**	4058546344412
④	SDS-Plus SLEDGE™ tile chisel	250	50	1	1	**4932478265**	4058546344429

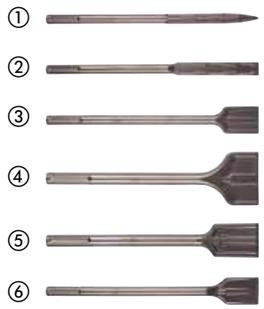


SDS-Max SLEDGE™ self sharpening chisels

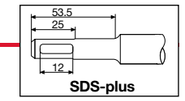
NEW

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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	-	1	1	**4932478266**	4058546344436
				20	1	**4932478274**	4058546344511
②	SDS-Max SLEDGE™ flat chisel	400	25	1	1	**4932478267**	4058546344443
				20	1	**4932478275**	4058546344528
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



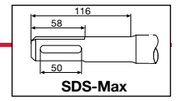
SDS-Plus chisels



	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
		250	50	1	1	**4932352343**	4002395370023
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	**4932352920**	4002395375783
⑪	SDS-Plus mortar chisel	125	32	1	1	**4932472029**	4058546324254
		200	32	1	1	**4932472030**	4058546324261



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
	300	115	1	1	**4932343745**	4002395317615
④ SDS-Max tile removal chisel	300	80	1	1	**4932399234**	4002395358489
⑤ SDS-Max chasing gouge chisel	300	26	1	1	**4932343740**	4002395317561
⑥ SDS-Max spade chisel	400	110	1	1	**4932343747**	4002395317639
⑦ SDS-Max surface treatment / bushing tool	240	50	1	1	**4932352918**	4002395375769
⑧ SDS-Max electrode / ground rod driver	220	Ø 13.3	1	1	**4932451354**	4002395159031
	220	Ø 16.6	1	1	**4932451355**	4002395159048
	220	Ø 22.2	1	1	**4932451356**	4002395159055
⑨ SDS-Max tooth removal chisel	215	11	1	1	**4932464298**	4058546222437
	215	14	1	1	**4932464910**	4058546228552
⑩ SDS-Max mortar chisel	280	38	1	1	**4932472031**	4058546324278



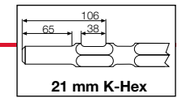
PCHDE - Universal chiselling dust extraction system



Universal dust extraction solution fitting to all brands of SDS-Max hammers.
Collects over 90% of chiselled dust.
Saves valuable post cleaning time.
Fits to Milwaukee® vacs with easy and secure click system.
Can only be used with DE type chisels listed below.
The following spare parts are avaialble for a quick turnaround: spring (4931328988), rubber rings (5 pc) (4931455278), main housing (4931449576) and front hose with plastic nose (4931455277)

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PCHDE: Includes 1 x SDS-Max point chisel	1	1	**4932455280**	4002395247943
PCHDE: Includes 1 x SDS-Max flat chisel	1	1	**4932455275**	4002395247936
SDS-Max DE point chisel 400 mm long	1	1	**4932455144**	4002395247981
SDS-Max DE flat chisel 400 mm long	1	1	**4932455145**	4002395247974

21 mm K-Hex chisels



Description	Total length (mm)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① 21 mm K-Hex pointed chisel	380	-	1	1	**4932399251**	4002395358632
	450	-	1	1	**4932399252**	4002395358649
	600	-	1	1	**4932399253**	4002395358656
② 21 mm K-Hex flat chisel	380	25	1	1	**4932399256**	4002395358687
	450	25	1	1	**4932399257**	4002395358694
	600	25	1	1	**4932399258**	4002395358700
③ 21 mm K-Hex flat wide chisel	300	50	1	1	**4932399260**	4002395358724
	300	75	1	1	**4932399261**	4002395358731
④ 21 mm K-Hex spade chisel	533	110	1	1	**4932399264**	4002395358762
⑤ 21 mm K-Hex electrode / ground rod driver	222	Ø 12	1	1	**4932399265**	4002395358779
	222	Ø 25	1	1	**4932399269**	4002395358816

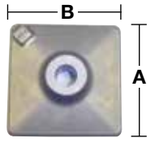




21 mm K-Hex / SDS-Max special application tools

Tamping tools

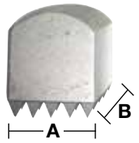
Application: Suitable for compacting earth and ballast prior to pouring concrete. Tamping back-fill on ditches. Requires universal taper shank.



Description	Width (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
Tamping plate	120	120	1	1	**4932399270**	4002395358823

Surface treatment tools

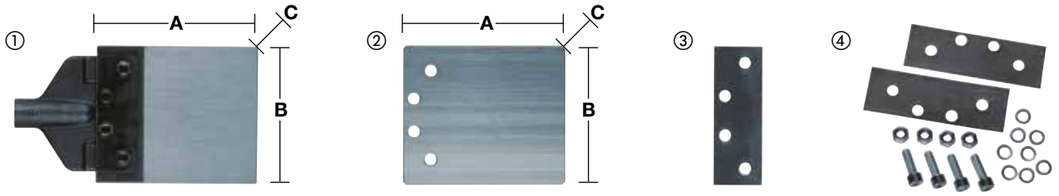
Application: For roughing up concrete before its surface coated i.e. for pitted or uneven floors or walls must often be roughened prior to covering with a new layer of coating. Requires universal taper shank.



Description	Length (mm) A	Width (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
Bushing head (16 teeth)	50	50	1	1	**4932399279**	4002395358915

Floor cleaning tools

Application: For scraping floor tile adhesive, paint, scree and other floor coatings. Requires universal taper shank.



	Description	Blade length (mm) A	Blade width (mm) B	Thickness (mm) C	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Floor cleaning tool including 2 mm blade. Requires universal taper shank	180	150	2	2	1	**4932399272**	4002395358847
②	Spare 2 mm blade	180	150	2	1	1	**4932399273**	4002395358854
③	Replacement clamping bracket				1	1	**4932399275**	4002395358878
④	**Floor cleaning service set (18pc)** 2 x gasket, 4 x nuts, 4 x screws, 8 x washers				18	1	**4932352300**	4002395369591

Universal taper shanks



	Description	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Universal taper shank SDS-Max	300	1	1	**4932343771**	4002395317745
②	Universal taper shank 21 mm K-Hex	300	1	1	**4932399280**	4002395358922
		450	1	1	**4932399281**	4002395358939

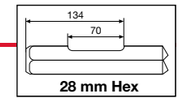
Dust guard

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

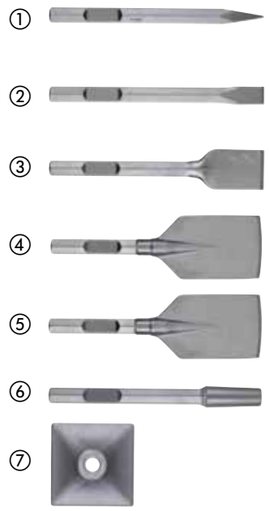


Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Dust guard cap	1	1	**9170086960**	4002395565504

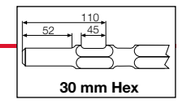
28 mm Hex chisels



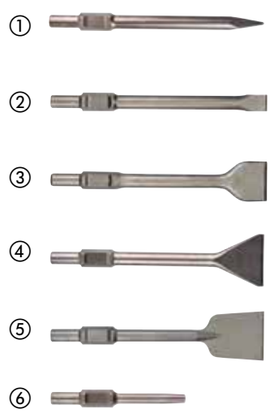
	Description	Total length (mm)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	28 mm Hex pointed chisel	400	-	1	1	**4932459774**	4058546029463
②	28 mm Hex 400 x 35 mm flat chisel	400	35	1	1	**4932459775**	4058546029470
③	28 mm Hex flat wide chisel	400	80	1	1	**4932459776**	4058546029487
④	28 mm Hex spade chisel	400	125	1	1	**4932459777**	4058546029494
⑤	28 mm Hex asphalt cutter	400	90	1	1	**4932459778**	4058546029500
⑥	28 mm Hex taper tool holder	-	-	1	1	**4932459779**	4058546029517
⑦	28 mm Hex tamping plate	200	200	1	1	**4932459780**	4058546029524



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	**4932464164**	4058546221096
④	30 mm Hex spade chisel	400	100	1	1	**4932464165**	4058546221102
⑤	30 mm Hex asphalt cutter	400	90	1	1	**4932464166**	4058546221119
⑥	30 mm Hex taper toolholder	-	-	1	1	**4932464167**	4058546221126



Name		Top view	Suitable for
① SDS-plus	drill	10	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi
① SDS-plus	chisel	10	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi
② SDS-Max	drill	18	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi
② SDS-Max	chisel	18	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Ryobi
③ Spline	drill	19.3	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Metabo
④ Twisted spline	chisel	21.9 / 16.5	AEG, MILWAUKEE®, Bosch, Dewalt, Hilti, Hitachi, Kango, Makita, Metabo
⑤ 13 mm Hexagon	drill	16.9 / 13	Hitachi, Makita
⑥ 17 mm Hexagon	chisel	17 / 12.8	Hitachi, Makita
⑦ 19 mm K-Hexagon	chisel	19 / 14	Kango
⑧ 19 mm Hexagon	chisel	19	AEG, MILWAUKEE®, Bosch, Dewalt, Ryobi
⑨ 21 mm K-Hexagon	drill	16.5 / 21.9	Hitachi, Kango, Makita, MILWAUKEE®
⑩ 21 mm K-Hexagon	chisel	21 / 18.7	Hitachi, Kango, Makita, MILWAUKEE®
⑪ 28 mm Hexagon	chisel	28	AEG, MILWAUKEE®
⑫ 30 mm Hexagon	chisel	30	Atlas Copco, Kango, MILWAUKEE®

① 53.5 / 25 / 12

② 116 / 58 / 50

③ 40 / 35

④ 75.5 / 35 / 37

⑤ 74 / 47 / 33

⑥ 44

⑦ 94 / 52 / 37 / 14

⑧ 64 / 37

⑨ 70.9 / 33.2 / 32

⑩ 106 / 65 / 38

⑪ 134 / 70

⑫ 110 / 52 / 45

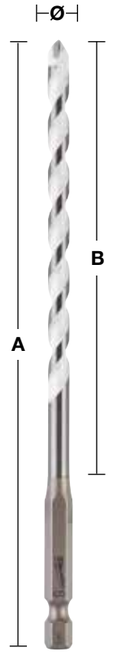
SHOCKWAVE IMPACT DUTY™

Multi material drill bits

NEW

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
	5.5	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	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
	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	260	1	1	**4932471111**	4058546287399
	Multi material drill bit set (8pc)						
①	Ø 4 x 90 mm, Ø 5 / 5 / 6 / 6 x 100 mm, Ø 8 / 10 x 120 mm, Ø 12 x 150 mm			8	6	**4932471112**	4058546287405
	Multi material drill bit set (8pc)						
	Ø 4 x 90mm, Ø 5 / 5.5 / 5.5 x 100mm, Ø 6 / 7 x100mm, Ø 8 / 10 x 120mm			8	6	**4932471113**	4058546287412

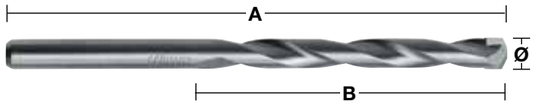


① 



Concrete drill bits - round shank - DIN 8039

Diamond ground percussion carbide tip with two cutting edges.
For drilling in brick, tile, ceramic, concrete, plaster, slate and aerated concrete blocks.
Made in Germany.



Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
3	70	40	1	1	**4932363630**	4002395332007
3.5	80	45	1	1	**4932399916**	4002395365746
4	85	50	1	1	**4932363631**	4002395332014
4.5	85	50	1	1	**4932363632**	4002395332021
5	85	50	1	1	**4932363633**	4002395332038
5	150	90	1	1	**4932363634**	4002395332045
5.5	85	50	1	1	**4932363635**	4002395332052
5.5	150	90	1	1	**4932367035**	4002395333998
6	100	60	1	1	**4932363636**	4002395332069
6	150	90	1	1	**4932363637**	4002395332076
6	200	150	1	1	**4932399383**	4002395360000
6	600	550	1	1	**4932352506**	4002395371648
6.5	100	60	1	1	**4932363638**	4002395332083
6.5	150	90	1	1	**4932367036**	4002395334605
7	100	60	1	1	**4932363639**	4002395332090
7	150	90	1	1	**4932367037**	4002395334612
7.5	100	60	1	1	**4932399917**	4002395365753
8	120	80	1	1	**4932363640**	4002395332106
8	200	150	1	1	**4932363641**	4002395332113
8	400	350	1	1	**4932399384**	4002395360017
8	600	550	1	1	**4932352507**	4002395371655
8.5	120	80	1	1	**4932363642**	4002395332120
9	120	80	1	1	**4932363643**	4002395332137
9.5	120	80	1	1	**4932399919**	4002395365777
10	120	80	1	1	**4932363644**	4002395332144
10	200	150	1	1	**4932363645**	4002395332151
10	400	350	1	1	**4932399385**	4002395360024
10	600	550	1	1	**4932352508**	4002395371662
11	150	85	1	1	**4932363646**	4002395332168
12	150	85	1	1	**4932363647**	4002395332175
12	200	150	1	1	**4932363648**	4002395332182
12	400	350	1	1	**4932399386**	4002395360031
12	600	550	1	1	**4932352510**	4002395371686
13	150	90	1	1	**4932363649**	4002395332199
13	400	350	1	1	**4932352512**	4002395371709
14	150	90	1	1	**4932363650**	4002395332205
14	400	350	1	1	**4932399387**	4002395360048
14	600	550	1	1	**4932352513**	4002395371716
15	160	100	1	1	**4932399380**	4002395359974
16	160	100	1	1	**4932373914**	4002395353446
16	400	350	1	1	**4932399388**	4002395360055
16	600	550	1	1	**4932352514**	4002395371723
18	160	100	1	1	**4932399229**	4002395358434
18	400	350	1	1	**4932352515**	4002395371730
20	160	100	1	1	**4932399230**	4002395358441
20	400	350	1	1	**4932399389**	4002395360062
20	600	550	1	1	**4932352516**	4002395371747
① **Concrete drill bits set (5pc)** Ø 4 / 5 / 6 / 8 / 10 mm			5	1	**4932352333**	4002395369928
② **Concrete drill bits set (8pc)** Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm			8	1	**4932352334**	4002395369935

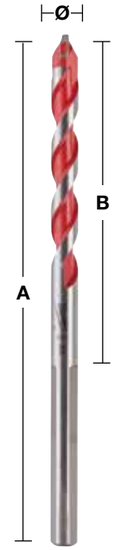
① 

② 

Premium concrete drill bits - 3 flat shank

NEW

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
4	90	45	1	1	**4932471169**	4058546287979
5	100	50	1	1	**4932471171**	4058546287993
5.5	100	50	1	1	**4932471173**	4058546288013
6	100	50	1	1	**4932471175**	4058546288037
6	150	90	1	1	**4932471176**	4058546288044
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
10	150	90	1	1	**4932471186**	4058546288143
10	260	200	1	1	**4932471187**	4058546288150
12	150	90	1	1	**4932471188**	4058546288167
12	260	200	1	1	**4932471189**	4058546288174
14	150	90	1	1	**4932471190**	4058546288181
14	260	200	1	1	**4932471191**	4058546288198
① **Premium concrete drill bit set (8pc)** Ø 4 x 90 mm, Ø 5 / 5.5 / 5.5 / 6 / 7 x 100 mm, Ø 8 / 10 x 150 mm			8	6	**4932471193**	4058546288211
Premium concrete drill bit set (8pc) Ø 4 x 90 mm, Ø 5 / 5 / 6 / 6 x 100 mm, Ø 8 / 10 / 12 x 150 mm			8	6	**4932471192**	4058546288204

① 

Glass & tile bits

NEW

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)	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
3	50	1	1	**4932471955**	4058546298548
4	50	1	1	**4932471956**	4058546298555
5	50	1	1	**4932471957**	4058546298562
5.5	50	1	1	**4932471855**	4058546297541
6	60	1	1	**4932471958**	4058546298579
6.5	60	1	1	**4932471856**	4058546297558
7	60	1	1	**4932471857**	4058546297565
8	60	1	1	**4932471959**	4058546298586
10	95	1	1	**4932471960**	4058546298593
12	95	1	1	**4932471961**	4058546298609
14	95	1	1	**4932471858**	4058546297572
16	100	1	1	**4932471859**	4058546297589

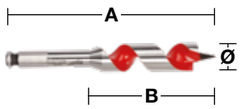


Impact rated wood auger bits

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 selfeeding 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.



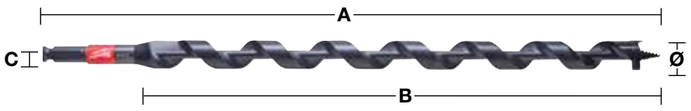
Impact wood auger bits - short series



Special short design enables drilling in tight and normally non accessible places.

Diameter (mm)	Total length (mm) A	Working length (mm) B	Shank reception	Pack quantity	Min. order quantity	Article Number	EAN Code
18	153	100	7/16″ Hex	1	1	**48130683**	045242091379
20	153	100	7/16″ Hex	1	1	**48130813**	045242091522
22	153	100	7/16″ Hex	1	1	**48130873**	045242091638
25	153	100	7/16″ Hex	1	1	**48131003**	045242091782
28	153	100	7/16″ Hex	1	1	**48131123**	045242091935
32	153	100	7/16″ Hex	1	1	**48131253**	045242092031

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 bit set (4pc) available in a pouch Ø 14 / 16 / 18 / 20 x 460 mm				4	1	**48136780**	045242005383

Impact wood auger and selfeed bits - adaptor

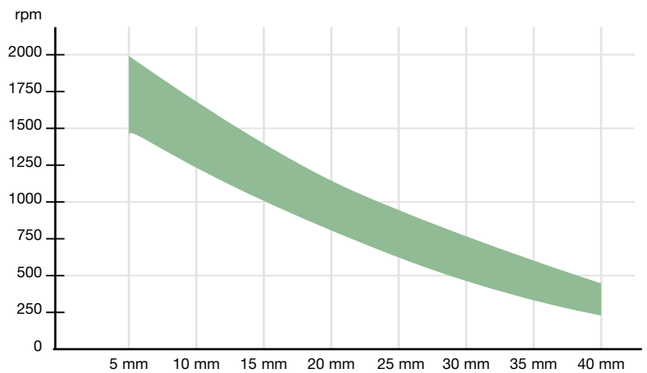
Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Socket adaptor: 1/2″ square to 7/16″ and 11 mm Hex. For 7/16″ selfeed bits and impact auger bits	1	1	**48660061**	045242155118



Wood drilling speeds

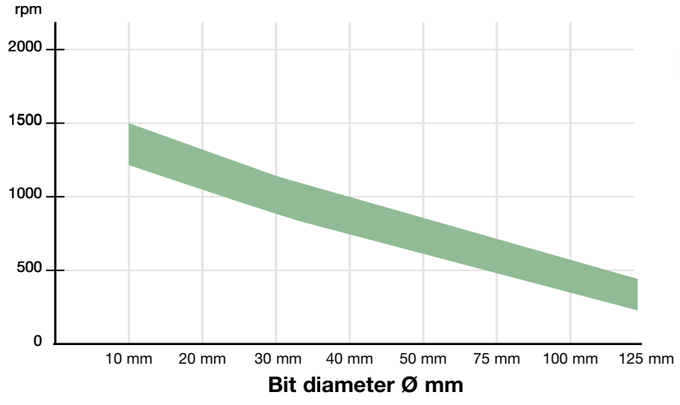
The following tables give recommended drilling speeds for the most efficient cutting speed.
The tables should only be used as a guide and are dependant on the user and material being drilled.

Auger bits





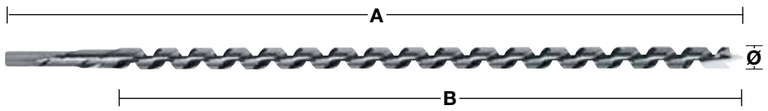
Forstner bits / Selfeed bits





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.

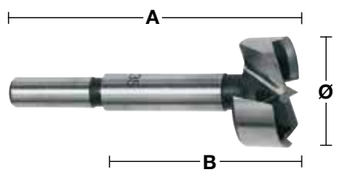




Diameter (mm)	Total length (mm) A	Working length (mm) B	Shank reception	Pack quantity	Min. order quantity	Article Number	EAN Code
6	230	155	6.5 mm Hex	1	1	**4932430175**	4002395378364
6	460	385	6.5 mm Hex	1	1	**4932430176**	4002395378371
8	230	155	6.5 mm Hex	1	1	**4932363681**	4002395331796
8	460	385	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
① **Wood auger bits set (6pc)** Ø 8 / 10 / 12 / 14 / 16 / 18 mm x 230 mm			Wood case	6	1	**4932373380**	4002395349258

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
① **Forstner drill bits set (5pc)** Ø 15 / 20 / 25 / 30 / 35 mm				5	1	**4932373379**	4002395349241

SWITCHBLADE™ selfeed 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 selfeed 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	**48255120**	045242157471
38	7/16″ Hex	1	1	**48255125**	045242157488
51	7/16″ Hex	1	1	**48255135**	045242157495
54	7/16″ Hex	1	1	**48255140**	045242157525
57	7/16″ Hex	1	1	**48255143**	045242225903
65	7/16″ Hex	1	1	**48255150**	045242157532



SWITCHBLADE™ set

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
SWITCHBLADE™ selfeed bits set (5pc)				
4 x SWITCHBLADE™ selfeed 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	**49225100**	045242157686



SWITCHBLADE™ replacement blades

Diameter (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
35	1	1	**48255420**	045242225842
38	1	1	**48255425**	045242225859
51	1	1	**48255435**	045242225866
54	1	1	**48255440**	045242225873
57	1	1	**48255443**	045242225880
65	1	1	**48255450**	045242226474
SWITCHBLADE™ service kit in storage container				
1x feed screw, 2x set screws, 1x allen key, 1x storage container also can store spare SWITCHBLADE™	5	1	**48255280**	045242225934



Selfeed 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 selfeed 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	**48251002**	045242119028
29	7/16″ Hex	1	1	**48251122**	045242119073
32	7/16″ Hex	1	1	**48251252**	045242119127
35	7/16″ Hex	1	1	**48251372**	045242119172
38	7/16″ Hex	1	1	**48251502**	045242119226
44	7/16″ Hex	1	1	**48251752**	045242119271
51	7/16″ Hex	1	1	**48252002**	045242119325
54	7/16″ Hex	1	1	**48252122**	045242119370
57	7/16″ Hex	1	1	**48252252**	045242119424
65	7/16″ Hex	1	1	**48252562**	045242119479
Feed screw coarse thread 1/4″		1	1	**48286870**	045242122707
Allen key 1/8″ for all arbors		1	1	**49960060**	045242221455
Set screw for drills up to 65 mm		1	1	**06832625**	-



Large selfeed bits

Large selfeed 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	**48253001**	045242119509
92	7/16″ Hex	1	1	**48253621**	045242119554
116	7/16″ Hex	1	1	**48254621**	045242119608
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



Selfeed bits contractors kit

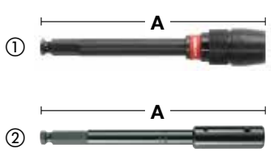
Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Contractors kit (7pc)				
Selfeed bits Ø 25 / 29 / 32 / 38 / 44 / 54 / 65 mm, extension 140 mm length and feed screws	7	1	**49220130**	045242180301



Shank extensions

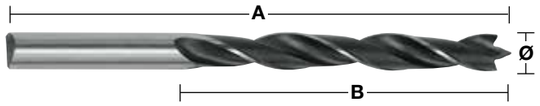
For selfeed bits, auger bits and holesaws (25 mm / 1″ diameter and larger) with 7/16″ Hex shank

	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
①	140	1	1	**48281030**	045242122653
	300	1	1	**48284006**	045242122516
②	450	1	1	**48284011**	045242122561
	600	1	1	**48284016**	045242122615



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.



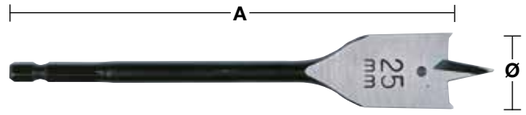
① 

② 

Diameter (mm)	Total length (mm) A	Working length (mm) B	Shank reception	Pack quantity	Min. order quantity	Article Number	EAN Code
3	60	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	97	60	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)** Ø 4 / 5 / 6 / 8 / 10 mm			Plastic cassette	5	1	**4932352465**	4002395371242
② **Wood drill bit set (8pc)** 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, mortising, 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.

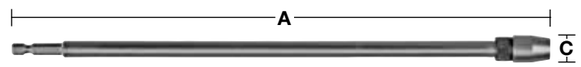




①

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
① **Flat bit set (8pc)** Ø 12 / 16 / 18 / 20 /22 / 25 /28 / 32 x 152 mm length		8	1	**4932352504**	4002395371624

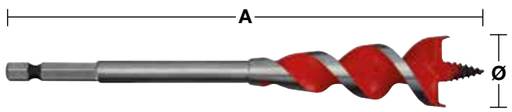
Extension



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 selfeeding in all types of wood - soft & hard, wet & treated.
Polished and powder coated flute design for increased chip ejection, reduced clogging and higher selfeeding capability.



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	**48130048**	045242224807
16	5/8"	165	1/4" Hex	1	1	**48130058**	045242224814
18	3/4"	165	1/4" Hex	1	1	**4932464071**	4058546220167
20	3/4"	165	1/4" Hex	1	1	**48130068**	045242224821
22	7/8"	165	1/4" Hex	1	1	**48130078**	045242224838
25	1"	165	1/4" Hex	1	1	**48130088**	045242224845
32	1 1/4"	165	1/4" Hex	1	1	**48130108**	045242224852
SPEED FEED™ set (4pc) Ø 13 / 16 / 20 / 25 mm				4	1	**48130400**	045242234448

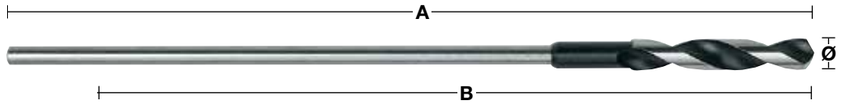



Dual cutting edges


Tapered design

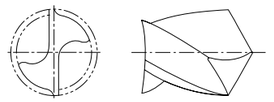
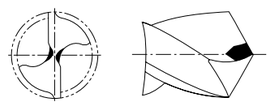
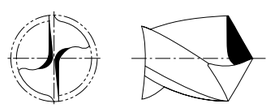
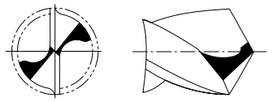
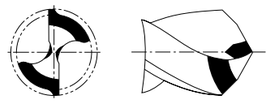
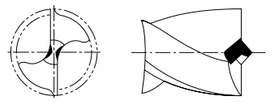
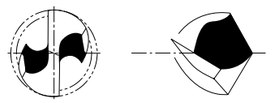
HSS cable bits - DIN 7490

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
	Normal Standard Point	For standard drilling in ferrous / non ferrous metals and plastics	The wide cutting edge provides a drill bit that is robust and resistant to sidewards pressure. Due to the wide cutting edge higher feed pressure is required. Can be easily resharpened.
	Chisel Edge Point DIN 1412 A	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.
	Chisel Edge Point with corrected cutting edge DIN 1412 B	For drilling in high strength steel and high alloy steels. Also suitable for drilling thin sheet material.	Robust and resistant to sidewards pressure.
	Split Point DIN 1412 C	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.
	Double Angle Point for Cast Iron DIN 1412 D	For drilling cast iron.	Extended major cutting edges reduce wear on the cutting corners for improved lifetime. Good heat conduction. Resistant to sidewards pressure.
	Centre Point DIN 1412 E	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.
	U Point	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.

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.

					Hole diameter Ø mm – RPM					
Material class		**Material type**	**Hardness / Tensile Strength N/mm²**	**Rockwell**	**Ø 1–2**	**Ø 3–5**	**Ø 6–10**	**Ø 11–15**	**Ø 16–20**	**Cooling agent**
Steel	**Speed**	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
		Alloyed tool steel	< 800	< HRC 21	3950	1550	780	520	390	Drilling emulsion, ester oil
			> 800	> HRC 21	1950	800	390	275	200	
		Alloyed hardened & tempered steel	< 1200	< HRC 37	2100	890	450	300	210	Drilling emulsion, ester oil
			> 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	Drilling emulsion, cutting oil
		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.

HSS Drill bit application guide

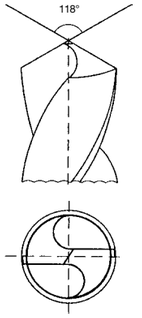


Material class	**Material type**	**Hardness / Tensile Strength N/mm²**	**Rockwell**	**HSS-R DIN 338**	**HSS-G Thunderweb DIN 338 DIN 340 DIN 1897 Double Ended**	**RED COBALT – HSS-Ground - DIN 338**	**RED HEX – Shockwave HSS-Ground Titanium**	**Step drills**	**Shockwave Step drills**	**Cooling agent**
Steel	Non-alloyed construction steel, non-alloyed case hardened steel	< 400	< HRB 69		●	●	●	●	●	Drilling emulsion, cutting oil
		400–800	< HRC 21	●	●	●	●	●	●	
	Sheet Steel	< 800	< HRC 21		●	●	●	●	●	Drilling emulsion, ester oil
	Non-alloyed tool steel	< 800	< HRC 21	●	●	●	●	●	●	Drilling emulsion, cutting oil
	Alloyed tool steel	< 800	< HRC 21		●	●	●	●	●	Drilling emulsion, ester oil
		> 800	> HRC 21		●	●	●	▲	▲	
	Alloyed hardened & tempered steel	< 1200	< HRC 37			●	●	▲	▲	Drilling emulsion, ester oil
		> 1200	> HRC 38			●	●	▲		
Stainless steel	Stainless steel	< 1000	< HRC 30		▲	●	●	▲		Rapeseed oil, cutting oil
	Stainless steel	1000–1200	HRC 30–37			●	●	▲		
Cast iron	Malleable cast iron	750	HRB 99	●	●	●	●	●	●	Dry
	Soft	450	HRB 75	●	●	●	●	▲		Drilling emulsion, cutting oil
	Hard	700	HRB 96	●	●	●	●	●	●	
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

● Most suitable. Recommended for these materials. ▲ Suitable. Recommended for intermittent use in these materials.

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/mm².
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

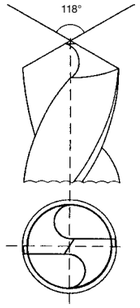
	Description	Supplied in	Pack quantity	Min. order quantity	Article Number	EAN Code
	HSS-R drill bits set (19pc)					
①	Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	Metal case	19	1	**4932352468**	4002395371273
	HSS-R drill bits set (25pc)					
②	Ø 1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



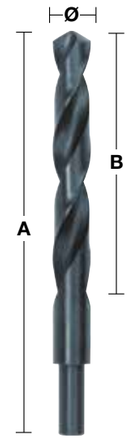
Metal drill bits HSS Rollforged - DIN 338 with reduced shank

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/mm².
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			

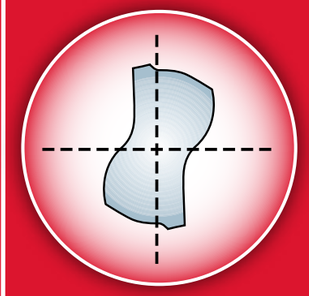


THUNDERWEB

Metal drill bits HSS Ground - DIN 338

THUNDERWEB

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.



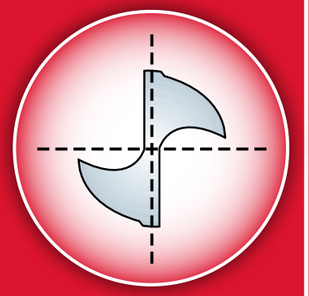
Parabolic web cross section

- 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.



Standard drill bit

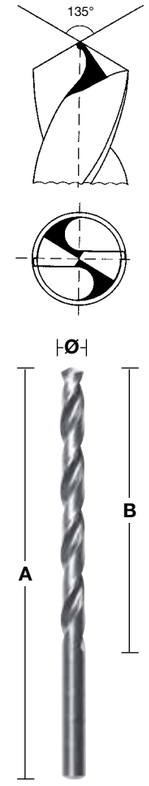
The web on standard drill bits is a constant thickness throughout the length of the bit.



Conventional type web cross section

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



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 SPECIFICATION

FLUTE GEOMETRY

– ***THUNDERWEB*** flute form ejects hot chips rapidly. Dissepates 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 - 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

THUNDERWEB - DIN 338 - 5 and 10 pack



Diameter (mm)	Total length (mm)	Working length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
9.9	133	87	5	1	**4932459883**	4058546030551
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

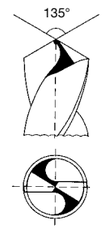
THUNDERWEB - DIN 338 - cassettes



	Description	Supplied in	Pack quantity	Min. order quantity	Article Number	EAN Code
	THUNDERWEB HSS-G set (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	Plastic cassette	19	1	**4932352374**	4002395370337
	Counter display					
②	6 x 19 pc HSS-G drill bits set (4932352374)	-	6	1	**4932352375**	4002395370344
	THUNDERWEB HSS-G set (25pc)					
③	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	**4932352376**	4002395370351

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.

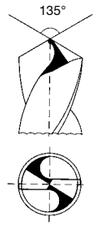


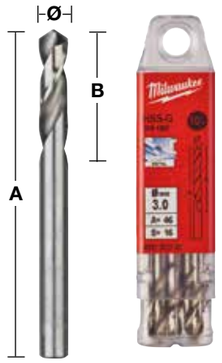


Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
2.0	85	56	10	1	**4932430328**	4002395379897
2.5	95	62	10	1	**4932430329**	4002395379903
3.0	100	66	10	1	**4932430330**	4002395379910
3.5	112	73	10	1	**4932430331**	4002395379927
4.0	119	78	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/mm².
Also suitable for wood and plastics.

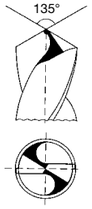




Diameter (mm)	Total length (mm) A	Working length (mm) B	Pack quantity	Min. order quantity	Article Number	EAN Code
2.0	38	12	10	1	**4932352200**	4002395368532
2.5	43	14	10	1	**4932352201**	4002395368549
3.0	46	16	10	1	**4932352202**	4002395368556
3.2	49	18	10	1	**4932352203**	4002395368563
3.3	49	18	10	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	10	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

HIGH PERFORMANCE DRILL BITS

NEXT GENERATION*

RED HEX

HSS-TIN METAL DRILL BITS

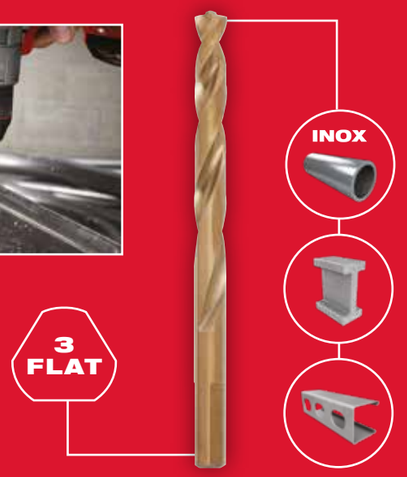
SHOCKWAVE IMPACT DUTY™





RED COBALT

HSS-CO METAL DRILL BITS





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.
*Full range available by 2nd half 2021.

SHOCKWAVE IMPACT DUTY™

RED HEX - SHOCKWAVE™ HSS-TiN metal drill bits

RED HEX

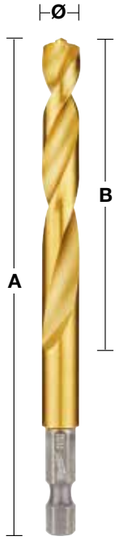
Impact rated drill bit with 1/4" hex shank optimised for impact drivers.
Titanium Nitride coating dispenses heat and makes the drill bit suitable for use also in high speed.

	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)** Ø 3 / 3.5 / 4 / 4.5 / 5 / 6 / 7 / 8 / 9 / 10 mm			10	6	**48894759**	045242502066
②	**SHOCKWAVE™ HSS-G TiN Red Hex drill bit set (19pc)** 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			19	6	**48894760**	045242502073

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







① 

② 



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

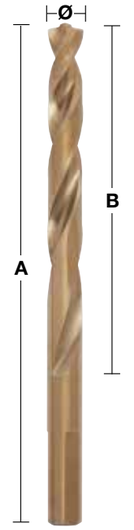
RED COBALT

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/mm² 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.

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







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

	Description	Supplied in	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**RED COBALT HSS-Ground set (19pc)** 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	6	**4932352470**	4002395371297
②	**RED COBALT HSS-Ground set (25pc)** 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	**4932352471**	4002395371303

① 

② 

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

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/mm² 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.

RED COBALT





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	**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
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



Step drills

- Step Drill advantages over conventional drill bits:
  - One drill bit to drill multiple sizes
  - Do more carry less! - Best option for enlarging existing holes.
  - More durable than twist drill bits, thick core resists breakage.
  - More accurate and less walking, tip starts on contact.
  - Clean burr free holes, less reaming required.
  - Drills plastic without splitting or cracking.



- Step drills are ideal for drilling into the following materials:
  - Ferrous & non-ferrous sheets metals, profiles and pipes.
  - Copper, brass and aluminium.
  - Stainless steel.
  - Plastics.
  - Maximum material thickness 4 mm.
  - To ensure best lifetime we recommend the use of a coolant.



- Trades:
  - Electrical: drilling of panels and cabinets for cable gland installation.
  - Plumbing / HVAC: access holes for pipework and installation.
  - Metal workers / fabrication: various sizes and hole enlargement.
  - Automotive: holes for cable installation (mobile telephones, antennas, re-directing electrical wiring).
  - Maintenance repair operations: various applications, sizes and hole enlargement.

MILWAUKEE® Advantages

Spot drill - Drill - Deburr - All in one go

① RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.

② 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.

③ Optimised 2 flute ground sharpened edge geometry for 2 x faster and smoother cutting.

④ Produced from custom engineered steel with black oxide coating for 4 x longer life. Optimised for use with high speed cordless drills.

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.



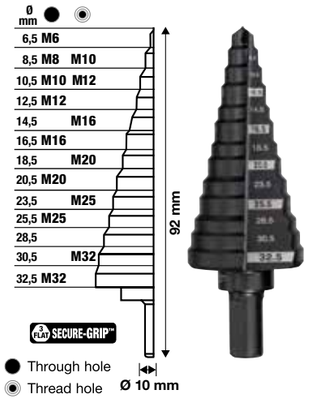
Step drills

	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
⑦	**Step drill set (3pc)** Includes 3 step drill bits: 4 - 12 mm/1, 4 - 20 mm, 6 - 35 mm				3	1	**48899399**	045242344420
⑧	**Step & drill bit combo set (10pc)** 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 6mm				10	1	**48899350**	045242538836

①



②



③



④



⑤



⑥ NEW



⑦



⑧



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.

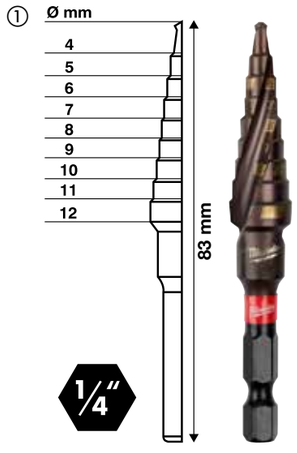
Dual spiral flute design: Optimised for impact driver speed and for smooth, jam-free drilling.

Laser engraved markings: Do not wear away with time.

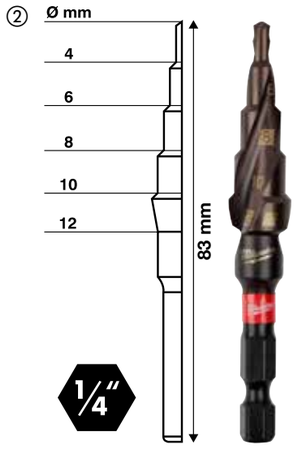


	Description	Shank diameter (mm)	Overall length (mm)	No. of steps	Pack quantity	Min. order quantity	Article Number	EAN Code
①	4 - 12 mm / 1"	1/4" Hex	83	9	1	1	**48899261**	045242505166
②	4 - 12 mm / 2"	1/4" Hex	83	5	1	1	**48899262**	045242505173
③	4 - 20 mm	1/4" Hex	83	9	1	1	**48899263**	045242505180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

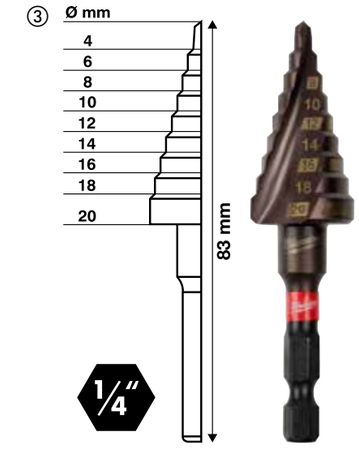
①



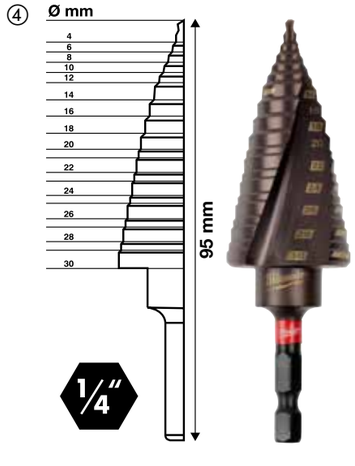
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③



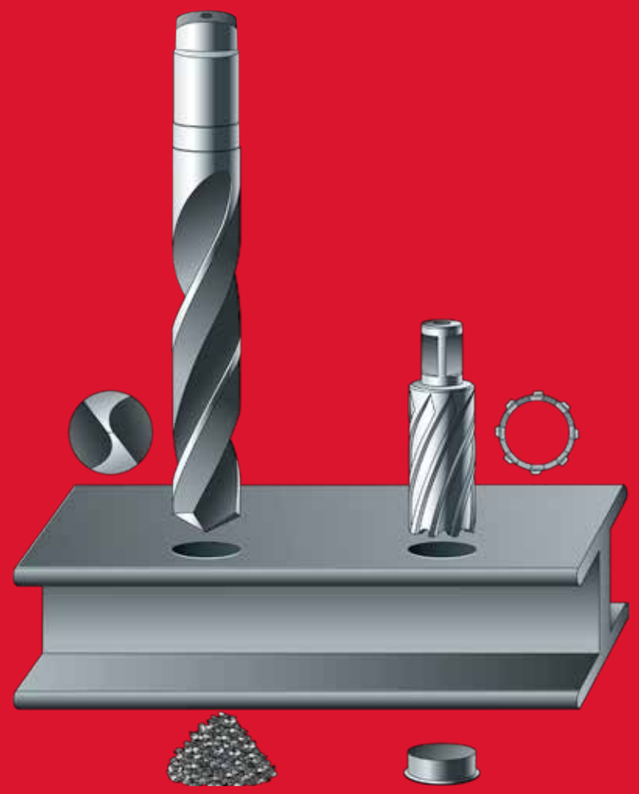
④



⑤



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.

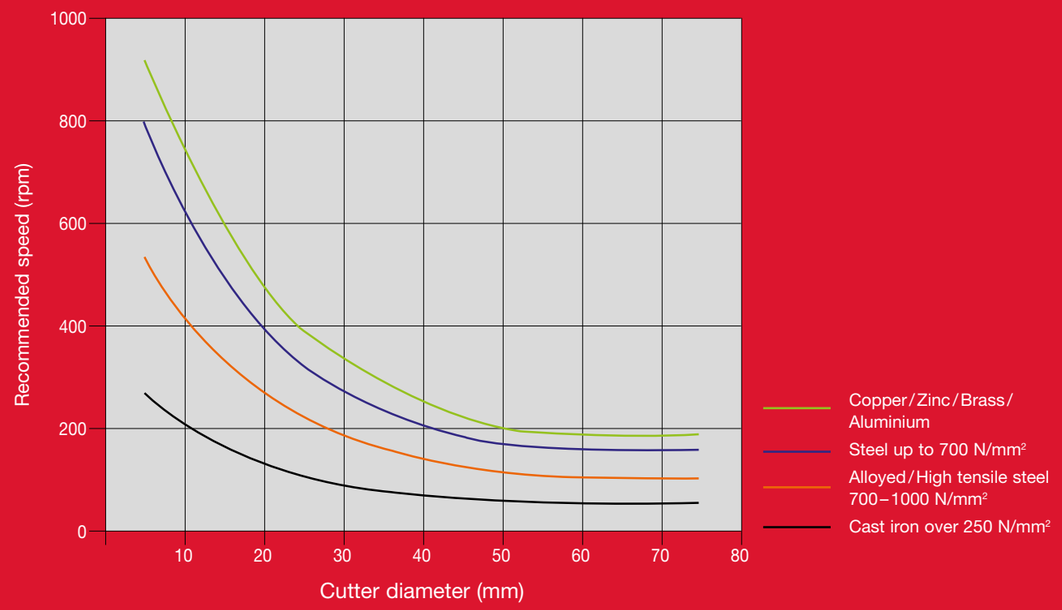
30% More productivity

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

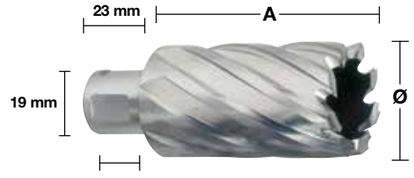
The annular cutters cutting edges do less work than the twist drill resulting in more holes between sharpening. Thick 6 mm body together with special tooth geometry ensures high stability and reduces to a minimum the risik of breakage due to overloading.

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

① 

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
	Telescopic ejector pin for 30 mm cutters		2	1	**49590011**	045242364039
	Telescopic ejector pin for 50 mm cutters		2	1	**49590012**	045242364046
①	**HSS annular cutter set (6pc)** 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

System accessories – Magnetic drill stands



MDE/P 41
M18™ FMDP-502 C



MD 38



MDE 42/MBE 1200
Reception ½″x 20 UNF



MDE 4–85
Reception Morse taper 3

4932604226

Ejector tool for Morse taper



49590020
Arbor and chuck



½″x 20
48662125
Arbor and chuck 13 mm

½″x 20 UNF



4932267980
Keyed chuck 1.5–13 mm

½″x 20 UNF



19 mm Weldon
4932372781
Cutter arbor (standard equipment)

MT 3



19 mm Weldon
4932343310
Cutter arbor (standard equipment)

MT 3



B 16
4932117042
Chuck adaptor

Metal drill bits

Metal drill bits



4932371785
Oil feed ring



4932371782
Oil cup assembly

MT 3



4932371788
Oil feed arbor

B 16



4932127010
Keyed chuck 1–16 mm



48100130*
Drill pipe adaptor

19 mm Weldon



30 mm Cutters (Short)

19 mm Weldon



50 mm Cutters (Long)

49590011
Telescopic ejector pin (30 mm)

49590012
Telescopic ejector pin (50 mm)

Metal drill bits

* while stocks last

High Performance Holesaws

HOLE DOZER™

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



Ø 14–152 mm



Ø 160–210 mm



RIP GUARD™

- Rip guard tooth geometry provides for the most durable tooth form and best lifetime

PLUG JACK™

- Multiple leverage points to work cut 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

Tooth design

RIP GUARD™

Carbide:
- 4 tpi aggressive tooth geometry.

Bi-metal:
- A variable 4 - 6 tpi tooth design with a positive 10° tooth angle.

Benefits:
- Faster and more aggressive cut.
- Improved heat dispersion during cutting ensu res 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.
- Teeth are altenate/side set to minimise binding and friction.
- Requires less feed pressure – This is achieved by the combination of aggressive tooth geometry and good chip clearance resulting in the requirement of less force during drilling.

Holesaw body

- 1.27 mm thick steel holesaw body is rigid to retain its shape but also has built in elasticity.
- Effective sawing depth is 41 mm.

Applications

- High quality manufacturing techniques ensure high rotational precision, therefore these holesaws are suitable for use both in hand and pillar drills (manual feed only).
- This high quality holesaw range is the perfect solution for cutting all types of materials:
  – Steel up to 1000 N/mm² strength
  – Stainless steel and acid resistant steel
  – Non-ferrous metals
  – Cast iron
  – Aluminium
  – Wood
  – Medium density fibreboard (MDF)
  – Gypsum plasterboard
  – Sandwich materials
  – PVC

Tooth material

Carbide:
- Carbide teeth provide 10x more life vs. standard bi-metal holesaws.

Bi-Metal:
- Type Matrix II premium high speed steel is used for the toothed area of the holesaw. Matrix II steel contains 8 % cobalt allowing the teeth to retain the original tooth hardness even at high working temperatures when used in metal cutting applications.
- Bi-Metal construction – High speed steel teeth are laser welded onto a low alloy steel body. The teeth are then vacuum hardened to 65 HRC at a temperature of 600°C to give maximum durability and lifetime.
- Due to the high wear resistance of the Matrix II steel, these holesaws are ideal for cutting difficult and hard materials such as stainless steel and acid resistant steels as well as softer materials like wood.

Back plate design

- The back plates are constructed with thick steel thus the holes will not enlarge over time. Thick backs add strength and rigidity minimising vibrations.
- 4 drive pin holes for easier arbor location.
- Perfectly manufactured round back plate, especially important for the larger diameter holesaws.



HOLE DOZER™ carbide holesaws

Up to 10x more life, high heat and wear resistance compared to Bi-Metal holesaws
4 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
29	1 1/8	41	1	1	**49560708**	045242504015
32	1 1/4	41	1	1	**49560710**	045242504022
35	1 3/8	41	1	1	**49560712**	045242504039
38	1 1/2	41	1	1	**49560713**	045242504053
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
67	2 5/8	41	1	1	**49560729**	045242504190
70	2 3/4	41	1	1	**49560731**	045242504206
76	3	41	1	1	**49560734**	045242504220
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
127	5	41	1	1	**49560748**	045242504305
152	6	41	1	1	**49560749**	045242504312









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	15/16	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 31/32	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 5/16	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
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 - bulk packs

Diameter (mm)	Ø (inch)	Max. cutting depth (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
19	3/4	41	1	25	**49565090**	045242176199
20	25/32	41	1	25	**49565091**	045242528943
22	7/8	41	1	25	**49565100**	045242156375
25	1	41	1	25	**49565110**	045242156382
29	1 1/8	41	1	25	**49565120**	045242156399
30	1 3/16	41	1	25	**49565125**	045242243976
32	1 1/4	41	1	25	**49565130**	045242156412
35	1 3/8	41	1	25	**49565140**	045242156429
38	1 1/2	41	1	25	**49565150**	045242156436
41	1 5/8	41	1	25	**49565152**	045242176229
44	1 3/4	41	1	25	**49565155**	045242176267
51	2	41	1	25	**49565160**	045242156443
54	2 1/8	41	1	25	**49565165**	045242176366
57	2 1/4	41	1	25	**49565167**	045242176373
60	2 3/8	41	1	25	**49565169**	045242528950
64	2 1/2	41	1	25	**49565170**	045242156467
67	2 5/8	41	1	16	**49565175**	045242176380
68	2 11/16	41	1	16	**49565178**	045242528967
76	3	41	1	16	**49565180**	045242176397
89	3 1/2	41	1	9	**49565190**	045242176403
92	3 5/8	41	1	9	**49565195**	045242176410
102	4	41	1	9	**49565200**	045242176427
105	4 1/8	41	1	9	**49565205**	045242176434







HOLE DOZER™ bi-metal holesaws - sets

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
	7 pc Hole Dozer™ Holesaw set				
①	5 x holesaws: Ø 19, 22, 25, 29, 32 mm. Arbor for Ø 14 - 30 mm (49567010). Spacer and adaptor. 1/8" allen key	7	1	49224083	045242310760
	Hole Dozer™ holesaw set (10pc)				
②	6 x holesaws: Ø 25, 32, 40, 54, 68, 76 mm. Arbor for Ø 14 - 30 mm (49567010). Arbor for Ø 32 - 152 mm (49569100). 2 x pilot drill bits. 1/8" allen key	10	1	**49224201**	045242348091
	Hole Dozer™ holesaw set (14pc)				
③	10 x holesaws: Ø 19, 22, 25, 29, 32, 35, 38, 44, 51, 57 mm. Arbor for Ø 14 - 30 mm (49567010). Arbor for Ø 32 - 152 mm (49569100). 2 x pilot drill bits. 1/8" allen key	14	1	**49224152**	045242271047
	Hole Dozer™ holesaw set (17pc)				
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 (49567010). Arbor for Ø 32 - 152 mm (49569100). 2 x pilot drill bits. 1/8" allen key	17	1	**49224102**	045242271054
	Kit box for holesaws				
⑤	Arbor with pilot drill bit (49567010). Arbor with pilot drill bit (49569100). 2 x Pilot drill bits. 1/8" allen key (49960060)	4	1	**4932430327**	4002395379880
	Hole Dozer™ PACKOUT™ holesaw set (12pc)				
⑥	10 x holesaws: Ø 20, 25, 32, 35, 40, 44, 51, 54, 68, 76 mm. Arbor for Ø 14 - 30 mm (49567010). Arbor for Ø 32 - 152 mm (49569100). 1/8" allen key	12	1	**4932472248**	4058546338947

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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	25/32	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 3/16	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







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
	Bi-metal contractor holesaw set (10pc)				
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
	Bi-Metal contractor holesaw set (14pc)				
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

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System accessories - Holesaws

	Description	Fits holesaw Ø	Shank reception	Holesaw or core reception	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Arbor	Ø 14-30 mm	9.5 mm Hex	½˝ x 20	1	1	**49567010**	045242200177
②	Arbor	Ø 32-210 mm	9.5 mm Hex	⅝˝ x 18	1	1	**49567250**	045242225798
③	Arbor	Ø 32-210 mm	11 mm Hex	⅝˝ x 18	1	1	**49569100**	045242200832
④	SDS-Plus arbor	Ø 14-30 mm	SDS-Plus	½˝ x 20	1	1	**4932471694**	4058546295936
⑤	SDS-Plus arbor	Ø 32-210 mm	SDS-Plus	⅝˝ x 18	1	1	**4932471695**	4058546295943
⑥	Extension - 330 mm long	-	9.5 mm Hex	-	1	1	**48284008**	045242225811
⑦	Extension - 300 mm long	-	11 mm Hex	-	1	1	**48284006**	045242122516
⑧	Pilot drill bit fits to all arbors Ø 6 mm and 89 mm length				1	1	**49568010**	045242200450
	Pilot drill long bit fits to all arbors Ø 6 mm and 100 mm length				1	1	**49568000**	045242200351
⑨	Allen key 1/8˝ for all arbors				1	1	**49960060**	045242221455
	Grub screw for arbors				1	1	**06832712**	4002395874354



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
	Adjustable hole cutter				
①	Pilot drill, 2 blades, QL arbor and dust collection shroud	5	1	**49560260**	045242350261
②	QL arbor with 1/4˝ Hex reception. 75 mm long	1	1	**48281000**	045242122622
	Replacement blade and pilot drill set (4pc)				
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	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	25/32	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 31/32	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 5/16	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 innefficient cutting.

Feed Pressure:

Variables in material, work configuration should be considered. Apply sufficient feed pressure to aid good chip re-moval. 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%.

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/mm².
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/mm² 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
BIG HAWG™ multi material set (10 pc)				
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™ multi material arbor with pilot drill	1	1	**4932464941**	4058546228866
③ Pilot drill flat bit 3/16" for wood only	1	1	**48271401**	045242121397



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
133	96	1	1	**4932472078**	4058546324742
138	96	1	1	**4932472079**	4058546324759
150	96	1	1	**4932472080**	4058546324766
168	96	1	1	**4932472081**	4058546324773
172	96	1	1	**4932472082**	4058546324780
177	96	1	1	**4932472083**	4058546324797
186	96	1	1	**4932472084**	4058546324803
210	96	1	1	**4932472085**	4058546324810
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 and 150 mm length	1	1	**4932472089**	4058546324858



SHOCKWAVE IMPACT DUTY™

IMPACT HOLESAWS





IMPACT

Optimised for use with cordless tools



① Thin wall
– 8 TPI = smooth burr free holes
– 0.6 mm thick = less resistance

② Shallow cup optimised for drilling thin metal

③ 8% Cobalt Bi-Metal for best durability and lifetime

④ Ejection spring auto ejects slugs

⑤ Stop shoulder prevents over drilling

⑥ ¼″ Hex shank = impact driver compatible

Suitability
Max. 2 mm steel, aluminium and stainless steel (max. 1.5 mm)

SHOCKWAVE™ IMPACT DUTY holesaws

	Diameter (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
	19	1	1	**49569805**	045242321094
	22	1	1	**49569810**	045242321100
	25	1	1	**49569815**	045242321117
①	29	1	1	**49569820**	045242321124
	32	1	1	**49569825**	045242321131
	35	1	1	**49569830**	045242321148
	38	1	1	**49569835**	045242321155
②	**SHOCKWAVE™ IMPACT DUTY holesaw set (3pc)** Ø 22 / 29 / 35 mm	3	1	**49224800**	045242321162
	Ejection spring and grub screw	1	1	**4932430466**	4002395381272
	Pilot drill bit with arbor	1	1	**4932430477**	4002395381388

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DIAMOND MAX™ M14 DRY drill bits

Diamond grit continuous edge drills have been specifically developed for professionals that need to drill in extremely hard materials such as porcelain/gres/quarry tiles, cast iron or fibreglass where it is increasingly difficult to work with conventional drill bits. These drill bits guarantee excellent performance and superior lifetime even in the hardest of materials.

Dry bits: These diamond drill bits do not require the use of water for cooling purposes.

M14 thread: To fit directly onto an angle grinder.

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

Lifetime: To ensure long lifetime, we use high grade diamond for fast cutting and a superior brazed bond matrix to give best durability.

Durability: Tough alloy body which does not bend or disort easily.

Easy slug ejection: Slug ejection slots on the larger sizes for greater leverage when removing tight slugs.

DIAMOND MAX™

	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
	32	M14	1	1	**4932478279**	4058546344566
	35	M14	1	1	**4932478280**	4058546344573
	40	M14	1	1	**4932478281**	4058546344580
	44	M14	1	1	**4932478282**	4058546344597
	51	M14	1	1	**4932478283**	4058546344603
	55	M14	1	1	**4932478284**	4058546344610
	68	M14	1	1	**4932478285**	4058546344627
	75	M14	1	1	**4932478286**	4058546344634
	102	M14	1	1	**4932478287**	4058546344641
①	**DIAMOND MAX™ diamond drill bit set (4pc)** Ø 6, 8, 10, 14 mm		4	1	**4932471863**	4058546297626



Application areas

Ceramic tiles – all types hard and soft: Porcelain/Gres/Quarry/Terrazzo/Marbel/ Artifical stone/Terracota/Agglomerate/ Glazed

Cast iron

Fibreglass / GRP
(Glass reinforced plastic) / Perspex

①





How to use:

1. The diamond drills fit directly onto an angle grinder with M14 thread. Apply the spindle lock on the angle grinder and directly screw on the drill bits, tighten firmly with a spanner. If fitting the drill bit to the MILWAUKEE® spot polisher first fix the adaptor 4932 4720 90 to the tool and then screw the drill bit onto the adaptor. 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.

②



	Description	Tool reception	Shank reception	Pack quantity	Min. order quantity	Article Number	EAN Code
②	Adaptor to fit M14 diamond drills to Milwaukee spot polisher	M9 x 0.75	M14	1	1	**4932472090**	4058546324865
③	Adaptor to fit M14 diamond drills to Milwaukee die grinder	M16 x 1.0	M14	1	1	**4932472265**	4058546339111

③



DIAMOND PLUS™ 1/4˝ WET / DRY drill bits

Diamond grit edge drills and holesaws have been specially developed for professionals that need to drill in extremely hard materials such as porcelain/gres/quarry tiles, cast iron or fibreglass where it is increasingly difficult to drill with conventional holesaws. These holesaws guarantee excellent performance and superior life time even in the hardest of materials.

Water starved: These holesaws only require limited water supply unlike conventional diamond drills that require a continuous flow of water. Just dip the drill bit or holesaw into water at the start of each hole to be cut and thereafter every 5 second cut duration.

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

Lifetime: To ensure long lifetime, we use high grade diamond for fast cutting and a superior brazed bond matrix to give best durability.

Durability: Tough alloy body which does not bend or distort easily.

Easy slug ejection: Offset slug ejection slots for greater leverage when removing tight slugs.

Versatile: Can be used either on angle grinders with relevant adaptor or with a drill.

	Diameter (mm)	Reception	Pack quantity	Min. order quantity	Article Number	EAN Code
①	5	1/4˝ Hex	1	1	**49560503**	045242223732
	6	1/4˝ Hex	1	1	**49560505**	045242223749
	8	1/4˝ Hex	1	1	**49560507**	045242223756
	10	1/4˝ Hex	1	1	**49560509**	045242223763
	12	1/4˝ Hex	1	1	**49560511**	045242223770
	15	1/4˝ Hex	1	1	**49560513**	045242223787
	20	1/4˝ Hex	1	1	**49560515**	045242223794
	25	1/4˝ Hex	1	1	**49560517**	045242223800
	DIAMOND PLUS™ diamond drill bit set (3pc)		3	1	**4932471771**	4058546296704
	Ø 6, 8, 10 mm					

	Diameter (mm)	Reception	Pack quantity	Min. order quantity	Article Number	EAN Code
②	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	**49565620**	045242308453
	35	5/8˝ x 18	1	1	**49565625**	045242308460
	38	5/8˝ x 18	1	1	**49565630**	045242308477
	44	5/8˝ x 18	1	1	**49565640**	045242308491
	51	5/8˝ x 18	1	1	**49565645**	045242308507
	68	5/8˝ x 18	1	1	**49565664**	045242337835

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 

② 





Description	Fits holesaw Ø	Shank reception	Holesaw or core reception	Pack quantity	Min. order quantity	Article Number	EAN Code
Arbor	Ø 14-30 mm	9.5 mm Hex	1/2˝ x 20	1	1	**49567010**	045242200177
Arbor	Ø 32-210 mm	9.5 mm Hex	5/8˝ x 18	1	1	**49567250**	045242225798
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

How to use on an angle grinder:

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. Dip the holesaw tips into water.
4. Switch on angle grinder to full speed. Slowly approach the tile with the holesaw at a 20-30° angle with light pressure to avoid skating on the tile. Once the holesaw starts to cut into the tile and forms a groove, gradually raise the holesaw so that it is horizontal with the tile.
5. Every 5 seconds dip the holesaw in water.
6. Apply light pressure and an oscillating circular motion during cutting to maximise tool life.

Holesaw drilling guide

Drilling guide provides a secure drilling into the material without slipping around and damaging the surface.



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 ½˝ G reception

② Standard 1¼˝ UNC reception

③ Engraving of diameter and type on the core reception for longterm visibility

④ Laser welded segments guarantee against break off

④ 10 mm segment height for superior lifetime

WCHP



WCHP-TK



THIN KERF Wet diamond drilling cores

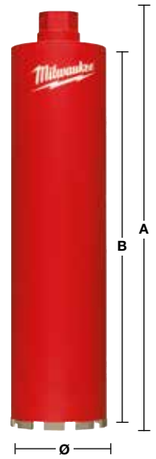
Cordless optimised diamond segments designed especially for MXFuel tool.
Optimised for corded diamond drills up to 2200 Watt.
10 mm laser welded segments for superior lifetime.
Standard 1/2“ G reception on smaller diameters & standard 1 1/4“ UNC reception on bigger diameters.

Diame-ter (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**	4058546362355
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**	4058546362362
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**	4058546362379
130	WCHP-TK 130 mm	✔	✔	1 1/4˝ UNC	450	525	1	1	**4932472197**	4058546325930
140	WCHP-TK 140 mm	✔	✔	1 1/4˝ UNC	450	525	1	1	**4932472198**	4058546325947
150	WCHP-TK 150 mm	✔	✔	1 1/4˝ UNC	450	525	1	1	**4932472199**	4058546325954



Wet diamond drilling cores

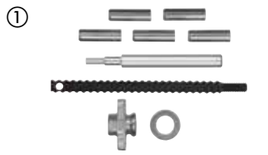
		Fits DD3-152	Fits DCM2-250C & DCM2-350C	Core	Working length (mm) B	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
52	WCHP 52		✔	1 ¼" UNC	450	525	1	1	**4932399707**	4002395363582
62	WCHP 62		✔	1 ¼" UNC	450	525	1	1	**4932399708**	4002395363599
72	WCHP 72		✔	1 ¼" UNC	450	525	1	1	**4932399709**	4002395363605
82	WCHP 82		✔	1 ¼" UNC	450	525	1	1	**4932399710**	4002395363612
92	WCHP 92		✔	1 ¼" UNC	450	525	1	1	**4932399711**	4002395363629
102	WCHP 102		✔	1 ¼" UNC	450	525	1	1	**4932399712**	4002395363636
112	WCHP 112		✔	1 ¼" UNC	450	525	1	1	**4932399713**	4002395363643
122	WCHP 122		✔	1 ¼" UNC	450	525	1	1	**4932399714**	4002395363650
132	WCHP 132		✔	1 ¼" UNC	450	525	1	1	**4932399715**	4002395363667
152	WCHP 152		✔	1 ¼" UNC	450	525	1	1	**4932399716**	4002395363674
162	WCHP 162		✔	1 ¼" UNC	450	525	1	1	**4932399717**	4002395363681
172	WCHP 172		✔	1 ¼" UNC	450	525	1	1	**4932352052**	4002395367092
182	WCHP 182		✔	1 ¼" UNC	450	525	1	1	**4932399718**	4002395363698
202	WCHP 202		✔	1 ¼" UNC	450	525	1	1	**4932399719**	4002395363704
225	WCHP 225		✔	1 ¼" UNC	450	525	1	1	**4932399720**	4002395363711
250	WCHP 250		✔	1 ¼" UNC	450	525	1	1	**4932399721**	4002395363728
300	WCHP 300		✔	1 ¼" UNC	450	525	1	1	**4932399722**	4002395363735
350	WCHP 350		✔	1 ¼" UNC	450	525	1	1	**4932399723**	4002395363742



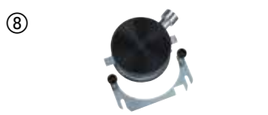
✔ Most suitable ♦ Limited suitability

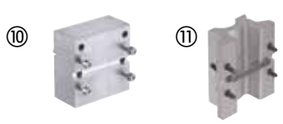
System attachments - Wet diamond drilling

	Description	Fits DD3-152	Fits DCM2-250C & DCM2-350C	Fits MXF DCD 150	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Fixing kit. For exclusive use in concrete. Ø 16 mm drill bit is required to set the drop anchor Stud bolt, setting tool, wing nut, washer and 5 pcs M12™ drop anchor	✔	✔	✔	9	1	**4932399731**	4002395363827
②	1 ³⁄₈" open ended spanner. For holding the motor output spindle while removing a core bit		✔		1	1	**49964705**	045242222766
	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
②	Fixtec release. Suitable for all diamond motors with 1 ¼" spindle reception. Prevents the core bit from locking itself too tight onto the machine spindle. The core bits can then be released and removed with minimum effort	✔	✔		1	1	**4932352053**	4002395367108
	1 ¼" female to ½" female adaptor: To enable the connection of <50 mm diamond core bits on a 1 ¼" machine spindle thread	✔	✔		1	1	**4932352627**	4002395372850
③	1 ¼" female / male extention rod, length 300 mm	✔	✔	✔	1	1	**4932399724**	4002395363759
	1 ¼" female / male extention rod, length 500 mm	✔	✔	✔	1	1	**4932399725**	4002395363766
④	Telescopic extention. 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
⑤	Vacuum pump VP6: For fastening of the diamond drill rig on smooth and even surfaces. Suction capacity: 850 mbar. Max. vacuum pressure: 6 m^3/h / 100 l/min. Rated voltage: 220-240 V	✔	✔	✔	1	1	**4932352094**	4002395367474
⑥	Vacuum plate. Replacement rubber seal 4931428665	✔			1	1	**4932352676**	4002395373345
⑦	WT 10 watertank. 10 liters capacity, steel, water tank with inside and outside polyester coating. Reliable brass pump with a max. pressure bar of 6 bar. 2.5 m hose with quick connection system fits direct to Milwaukee® diamond drills	✔	✔	✔	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	**4932352677**	4002395373352
	Replacement rubber ring for DR 152 T				1	1	**4932352678**	4002395373369
⑨	Water collection ring: For use with drill rig DR 250 TV. For use with max. Ø 180 mm core bits			✔	1	1	**4932399727**	4002395363780
	Replacement rubber ring for DR 250 TV			✔	1	1	**4932399729**	4002395363803
⑨	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
⑩	Spacer block T = 50 mm. Needs to be mouted between drill rig and motor cores > 250 mm and max. 350 mm. Included in drill rig DR 350 T		✔		1	1	**4932399736**	4002395363872
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	✔	✔	✔	1	1	**4932478073**	4058546340063








FIXTEC Diamond Core System

The patented MILWAUKEE® range of FIXTEC diamond core adaptors allows changing diamond cores in a matter of seconds without the use of extra tools.
The most common complaint with existing systems is that the diamond core locks itself tight onto the machine making it increasingly difficult to later remove the core, even with the aid of spanners and wrenches. However with the new FIXTEC adaptor solution from MILWAUKEE® this is a problem of the past, the cores can be unscrewed, removed and exchanged quite simply by hand – there is no need for spanners or wrenches.
The revolutionary FIXTEC adaptors are available with or without dust absorption and with different tool receptions making them compatible to other manufacturers tools.

The Past



The Future



FIXTEC solution

FIXTEC solution with dust extraction

FIXTEC Clean Liner Rotor (CLR) fits to diamond cores with 1 ¼" UNC thread. The added advantage of dust absorption allows drilling speed to be increased and extends the lifetime of the diamond cores.

	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 ¼" UNC	1	1	**4932352172**	4002395368242



FIXTEC solution without dust extraction

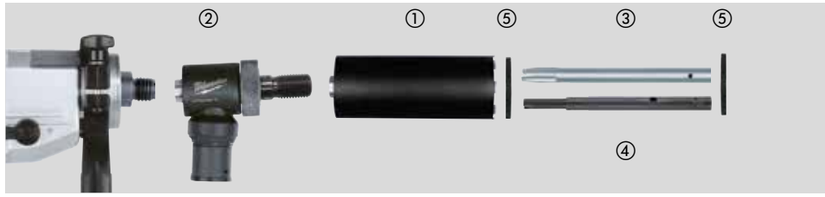
FIXTEC adaptor fits to diamond cores with M16 thread. As centering drill bit a standard SDS-plus drill bit can be used.

Description	Tool reception	Core reception	Pack quantity	Min. order quantity	Article Number	EAN Code
FIXTEC adaptor. Tool changing in seconds. No extra tool required	M18 x 2.5	M16	1	1	**4932399174**	4002395357819
	11 mm Hex	M16	1	1	**4932399220**	4002395358342



Dry diamond cores with dust extraction - DCHXL

10 mm high segments for longer life.
Laser welded segments for extra durability.
Use with the machine set to rotary only, not suitable for hammer action.
During pre-drilling the centering unit (centering stars, guide rod and SDS Plus pilot drill bit) must be used.



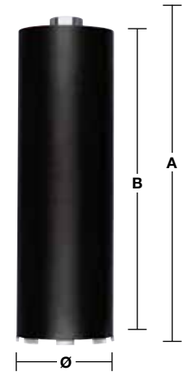
Material	DCHXL
Aerated/breeze concrete blocks	◆
Artificial stone – hard	✖
Brick – very hard, engineering brick	✔
Brick – medium	✔
Brick – soft	◆
Concrete	✖

Material	DCHXL
Granite	✖
Lime/sandstone – hard	✔
Lime/sandstone – soft/abrasive	◆
Marble	✖
Tiles	✖

✔ 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 ¼" UNC	420	490	1	1	**4932399753**	4002395364060
	DCHXL 52	52	1 ¼" UNC	420	490	1	1	**4932399163**	4002395357703
	DCHXL 68	68	1 ¼" UNC	420	490	1	1	**4932399164**	4002395357710
	DCHXL 82	82	1 ¼" UNC	420	490	1	1	**4932399165**	4002395357727
	DCHXL 102	102	1 ¼" UNC	420	490	1	1	**4932399166**	4002395357734
	DCHXL 107	107	1 ¼" UNC	420	490	1	1	**4932399754**	4002395364077
①	DCHXL 112	112	1 ¼" UNC	420	490	1	1	**4932399167**	4002395357741
	DCHXL 117	117	1 ¼" UNC	420	490	1	1	**4932399755**	4002395364084
	DCHXL 122	122	1 ¼" UNC	420	490	1	1	**4932399168**	4002395357758
	DCHXL 127	127	1 ¼" UNC	420	490	1	1	**4932399169**	4002395357765
	DCHXL 132	132	1 ¼" UNC	420	490	1	1	**4932399170**	4002395357772
	DCHXL 152	152	1 ¼" UNC	420	490	1	1	**4932399171**	4002395357789
	DCHXL 162	162	1 ¼" UNC	420	490	1	1	**4932399172**	4002395357796

* During pre-drilling no centering star required.

① 

	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 ¼" UNC	1	1	**4932352172**	4002395368242

② 

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
③	Guide rod for DD2-160. Supplied with locking screw (4931622432). Requires allen key (4931616044) and SDS-plus pilot drill bit (Ø 8 x 160 mm, 4932307071)	1	1	**4932399173**	4002395357802
④	Guide rod for DD3-152. Requires SDS-plus pilot drill bit (Ø 8 x 110 mm, 4932307070)	1	1	**4932352679**	4002395373376

③ 

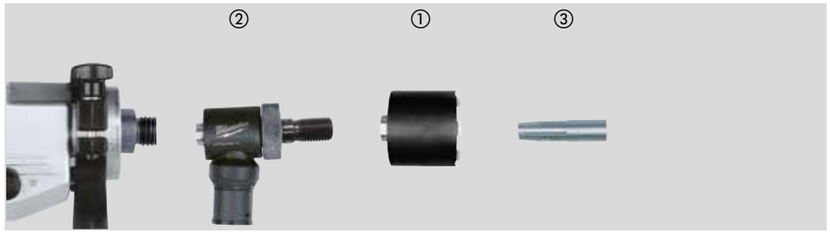
④ 

	Diameter (mm)	Article Number	EAN Code	Diameter (mm)	Article Number	EAN Code
⑤	52	**4931393176**	4002395358380	117	**4931403508**	4002395364107
	68	**4931393177**	4002395358397	122	**4931393181**	4002395780709
	82	**4931393178**	4002395358403	127	**4931393182**	4002395780716
	102	**4931393179**	4002395358410	132	**4931393183**	4002395358458
	107	**4931403507**	4002395364091	152	**4931393184**	4002395358465
	112	**4931393180**	4002395358427	162	**4931393185**	4002395358472

⑤ 

Dry diamond cores for electrical sockets with dust extraction - DCHX

10 mm high segments for longer life.
Laser welded segments for extra durability.
Suitable for installation of electrical sockets and junction boxes.
Use with the machine set to rotary only, not suitable for hammer action.

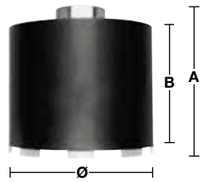


Material	DCHX
Aerated/breeze concrete blocks	◆
Artificial stone – hard	✖
Brick – very hard, engineering brick	✔
Brick – medium	✔
Brick – soft	◆
Concrete	✖

Material	DCHX
Granite	✖
Lime/sandstone – hard	✔
Lime/sandstone – soft/abrasive	◆
Marble	✖
Tiles	✖

✔ 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.

		Diameter (mm)	Core reception	Working length (mm) B	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
①	DCHX 68	68	1 ¼" UNC	60	130	1	1	**4932399217**	4002395358311
	DCHX 82	82	1 ¼" UNC	60	130	1	1	**4932399218**	4002395358328

① 

	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 ¼" UNC	1	1	**4932352172**	4002395368242

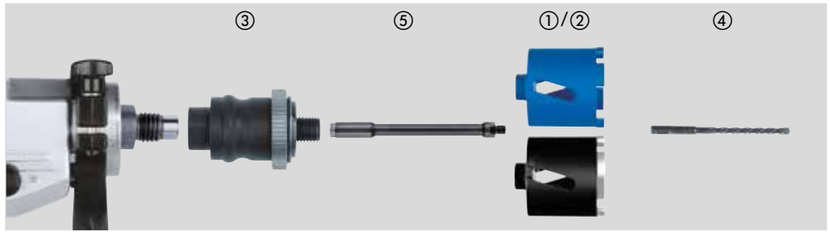
② 

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
③	Guide rod for DD2-160 Supplied with locking screw (4931622432). Requires allen key (4931616044) and SDS-plus pilot drill bit (8 x 110 mm, 4932307070)	1	1	**4932399221**	4002395358359
	Guide rod for DD3-152. Requires SDS-plus pilot drill bit (8 x 110 mm, 4932307070)	1	1	**4932352680**	4002395373383

③ 

Dry diamond drilling for electrical sockets without dust extraction - DCU / DCH

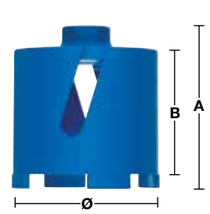
7 mm high segments.
Laser welded segments for extra durability.
Suitable for installation of electrical sockets and junction boxes.
Use with the machine set to rotary only, not suitable for hammer action.



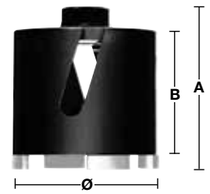
Material	DCU	DCH
Aerated/breeze concrete blocks	◆	◆
Artificial stone – hard	✖	✖
Brick – very hard, engineering brick	◆	✔
Brick – medium	✔	✔
Brick – soft	✔	◆
Concrete	✖	✖

Material	DCU	DCH
Granite	✖	✖
Lime/sandstone – hard	◆	✔
Lime/sandstone – soft/abrasive	✔	◆
Marble	✖	✖
Tiles	✖	✖

✔ 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.

① 

	Description	Diameter (mm)	Core reception	Working length (mm) B	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
①	DCU 68	68	M16	60	90	1	1	**4932371978**	4002395346035
①	DCU 82	82	M16	60	90	1	1	**4932371979**	4002395346042
②	DCH 68	68	M16	60	90	1	1	**4932399579**	4002395362080
②	DCH 82	82	M16	60	90	1	1	**4932399580**	4002395362097

② 

	Description	Tool reception	Core reception	Pack quantity	Min. order quantity	Article Number	EAN Code
③	FIXTEC adaptor. Tool changing in seconds. No extra tool required	M18 x 2.5	M16	1	1	**4932399174**	4002395357819
		11 mm Hex	M16	1	1	**4932399220**	4002395358342
④	Requires SDS-plus pilot drill bit (Ø 8 x 160 mm)			1	1	**4932307071**	4002395308873

③ 

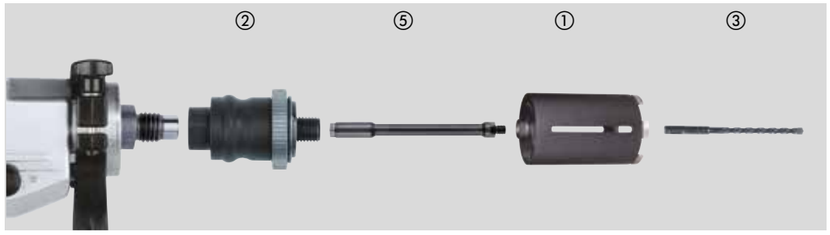
④ 

	Description	Adaptor reception	Core reception	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
⑤	Extention between FIXTEC adaptor and diamond core	M16	M16	300	1	1	**4932369736**	4002395346028

⑤ 

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
Aerated/breeze concrete blocks	◆
Artificial stone – hard	✖
Brick – very hard, engineering brick	✔
Brick – medium	✔
Brick – soft	◆
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.

Material	DCH
Granite	✖
Lime/sandstone – hard	✔
Lime/sandstone – soft/abrasive	◆
Marble	✖
Tiles	✖

✔ 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
①	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
	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

① 

	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
		11 mm Hex	M16	1	1	**4932399220**	4002395358342
③	Requires SDS-plus pilot drill bit (Ø 8 x 260 mm)			1	1	**4932353821**	4002395320141

② 

③ 

	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

④ 

SHOCKWAVE IMPACT DUTY™

DRIVING PERFORMANCE FORWARD

NEXT GENERATION SHOCKWAVE™ IMPACT DRIVER BITS



WEAR GUARD TIP™

CUSTOM ALLOY76™ STEEL

OPTIMIZED SHOCK ZONE™

MILWAUKEE® SHOCKWAVE™ IMPACT DUTY driver bits are engineered to be the most durable, best fitting driver bits on the market. The WEAR GUARD TIP™ is laser hardened to create an outer shield that protects the fit over the life of the bit. The SHOCK ZONE™ is optimized for each tip type and length of driver bit, absorbing peak torque and preventing breaking. The customized CUSTOM ALLOY76™ steel and heat treatment for each tip type is engineered to ensure best performance across tip types and extended life vs. standard bits. The SHOCKWAVE™ impact driver bits provide extreme durability for the most demanding job site applications.



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.

WEAR GUARD TIP™





A) 25 mm ¼" Hex - DIN 3126 - C 6.3
B) 50 mm ¼" Hex - DIN 3126 - E 6.3
C) 90 mm ¼" Hex - DIN 3126 - E 6.3
D) 150 mm ¼" Hex - DIN 3126 - E 6.3

	Type	Total length (mm)	Supplied in	Pack quantity	Order quantity	Article Number	EAN Code
Philips	PH 1	25	①	2	1	**4932472035**	4058546324315
		50	①	1	1	**4932471564**	4058546294632
		90	①	1	1	**4932430851**	4002395385133
	PH 2	25	①	2	1	**4932472036**	4058546324322
		25	②	25	10	**4932472037**	4058546324339
		50	①	1	1	**4932472047**	4058546324438
		50	②	10	10	**4932472048**	4058546324445
		90	①	1	1	**4932472052**	4058546324483
		150	①	1	1	**4932471565**	4058546294649
	PH 3	25	①	2	1	**4932430857**	4002395385195
		50	①	1	1	**4932430858**	4002395385201
		90	①	1	1	**4932430859**	4002395385218
Pozidrive	PZ 1	25	①	2	1	**4932472038**	4058546324346
		25	②	25	10	**4932472039**	4058546324353
		50	①	1	1	**4932471566**	4058546294656
		90	①	1	1	**4932472053**	4058546324490
	PZ 2	25	①	2	1	**4932472040**	4058546324360
		25	②	25	10	**4932472041**	4058546324377
		50	①	1	1	**4932472049**	4058546324452
		50	②	10	10	**4932472050**	4058546324469
		90	①	1	1	**4932472054**	4058546324506
		150	①	1	1	**4932471928**	4058546298272
	PZ 3	25	①	2	1	**4932472042**	4058546324384
		25	②	25	10	**4932472043**	4058546324391
		50	①	1	1	**4932472051**	4058546324476
		150	①	1	1	**4932471929**	4058546298289

① Blister



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)

③ Counter display



	Type	Total length (mm)	Supplied in	Pack quantity	Order quantity	Article Number	EAN Code
TORX®	TX 7	25	①	2	1	**4932471567**	4058546294663
	TX 8	25	①	2	1	**4932471568**	4058546294670
	TX 9	25	①	2	1	**4932471569**	4058546294687
	TX 10	25	①	2	1	**4932430871**	4002395385331
		50	①	1	1	**4932471570**	4058546294694
	TX 15	25	①	2	1	**4932430872**	4002395385348
		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	①	2	1	**4932430874**	4002395385362
		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 25	25	①	2	1	**4932430879**	4002395385416
		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 27	25	①	2	1	**4932430884**	4002395385461
	TX 30	25	①	2	1	**4932472046**	4002395385478
		25	②	25	10	**4932430886**	4002395385485
		50	①	1	1	**4932430887**	4002395385492
		50	②	10	10	**4932471574**	4058546294731
		90	①	1	1	**4932471575**	4058546294748
	TX 40	25	①	2	1	**4932430888**	4002395385508
		25	②	25	10	**4932430889**	4002395385515
		50	①	1	1	**4932430890**	4002395385522
	TX 50	25	①	2	1	**4932430891**	4002395385539
		25	②	15	10	**4932430892**	4002395385546

① Blister



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)

③ Counter display



	Type	Total length (mm)	Supplied in	Pack quantity	Min. order quantity	Article Number	EAN Code
TORX® BO	TX B07	25	①	2	1	**4932471577**	4058546294762
	TX B08	25	①	2	1	**4932471578**	4058546294779
	TX B09	25	①	2	1	**4932471579**	4058546294786
	TX B010	25	①	2	1	**4932471580**	4058546294793
	TX B015	25	①	2	1	**4932471581**	4058546294809
	TX B020	25	①	2	1	**4932471582**	4058546294816
	TX B025	25	①	2	1	**4932471583**	4058546294823
	TX B030	25	①	2	1	**4932471584**	4058546294830
	TX B040	25	①	2	1	**4932471585**	4058546294847
Hex	Hex 2.5 mm	25	①	2	1	**4932430893**	4002395385553
	Hex 3 mm	25	①	2	1	**4932430894**	4002395385560
	Hex 4 mm	25	①	2	1	**4932430895**	4002395385577
	Hex 5 mm	25	①	2	1	**4932430896**	4002395385584
	Hex 6 mm	25	①	2	1	**4932430897**	4002395385591
	Hex 8 mm	25	①	2	1	**4932430898**	4002395385607
	Hex 10 mm	25	①	2	1	**4932430899**	4002395385614
	Hex 12 mm	25	①	2	1	**4932430900**	4002395385621
Slotted	SL 0.6 x 4.5	25	①	2	1	**4932430901**	4002395385638
	SL 0.8 x 5.5	25	①	2	1	**4932430902**	4002395385645
	SL 1.2 x 6.5	25	①	2	1	**4932430903**	4002395385652

① Blister







SHOCKWAVE™ IMPACT DUTY sets

	Catalogue product description	Pack quantity	Order quantity	Article Number	EAN Code
①	**SHOCKWAVE™ Impact Duty puck bit set (16 pc)** SHOCKWAVE™ screwdriving bits: 15 x 25 mm length: 1 x PH1 / 2 x PH2. 1 x PZ1 / 3 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	16	10	**4932472055**	4058546324513
②	**SHOCKWAVE™ IMPACT DUTY bit set (25 pc)** SHOCKWAVE™ screwdriving bits: 14 x 25 mm length: 1 x PH1 / 2 x PH2 / 1 x PH3, 1 x PZ1 / 3 x PZ2 / 1 x PZ3, 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30. 10 x 50 mm length: 1 x PH1 / 1 x PH2, 1 x PZ1 / 3 x PZ2 / 1 x PZ3, 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30. 1 x SHOCKWAVE™ magnetic bit holder 60 mm length	25	6	**4932472061**	4058546324575
③	**SHOCKWAVE™ IMPACT DUTY bit set (32 pc)** SHOCKWAVE™™ screwdriving bits: 23 x 25 mm length 1 x PH1 / 2 x PH2 / 1 x PH3, 2 x PZ1 / 3 x PZ2 / 2 x PZ3, 2 x TX10 / 2 x TX15 / 3 x TX20 / 2 x TX25 / 2 x TX30 / 1 x TX40. 5 x 50 mm length 1 x PH2 / 1 x PZ, 1 x TX15 / 1 x TX20 / 1 x TX25. 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	32	6	**4932472056**	4058546324520
④	**SHOCKWAVE™ IMPACT DUTY bit set (39 pc)** SHOCKWAVE™ screwdriving bits: 24 x 25 mm length 1 x PH1 / 1 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™ ¼" 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	39	6	**4932472059**	4058546324551
⑤	**SHOCKWAVE™ IMPACT DUTY bit set (49 pc)** SHOCKWAVE™ screwdriving bits: 33 x 25 mm length 2 x PH1 / 2 x PH2 / 1 x PH3, 2 x PZ1 / 4 x PZ2 / 1 x PZ3, 3 x TX10 / 3 x TX15 / 3 x TX20 / 3 x TX25 / 3 x TX30 / 1 x TX40, 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 PH1 / 1 x PH2, 1 x PZ2, 1 x TX10 / 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 x TX30. 3 x 90 mm length 1 x PZ2, 1 x TX20 / 1 x TX25. 1 x SHOCKWAVE™magnetic bit holder 60 mm length. 4 x Shockwave ¼" Hex drill bits: Ø 3 / 4 / 5 / 6 mm	49	6	**4932472057**	4058546324537
⑥	**SHOCKWAVE™ IMPACT DUTY bit set (57 pc)** SHOCKWAVE™ screwdriving bits: 49 x 25 mm length 2 x PH1 / 3 x PH2 / 1 x PH3, 3 x PZ1 / 5 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	57	6	**4932472058**	4058546324544

① 

② 

③ 

④ 

⑤ 

⑥ 

SHOCKWAVE IMPACT DUTY™

SHOCKWAVE™ IMPACT DUTY sets

	Catalogue product description	Pack quantity	Order quantity	Article Number	EAN Code
	SHOCKWAVE™ IMPACT DUTY bit set (70 pc)				
⑦	SHOCKWAVE™ screwdriving bits: 55 x 25 mm length 1 x PH1 / 2 x PH2, 3 x PZ1 / 31 x PZ2 / 5 x PZ3, 1 x TX10 / 1 x TX15 / 2 x TX20 / 2 x TX25 / 2 x TX30 / 1 x TX40, 1 x Hex 3 mm / 1 x Hex 4 mm / 1 x Hex 5 mm / 1 x Hex 6 mm. 12 x 50 mm length 1 x PH1 / 1 x PH2, 1 x PZ1 / 4 x PZ2 / 1 x PZ3, 1 x TX15 / 1 x TX20 / 1 x TX25 / 1 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	70	6	**4932471587**	4058546294861
	SHOCKWAVE™ IMPACT DUTY bit set (75 pc)				
⑧	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	**4932471588**	4058546294878

⑦



⑧



SHOCKWAVE IMPACT DUTY™

SHOCKWAVE™ Impact Duty drive guide cassettes

Slimline pocket design.
Drive guide bit holder with extendable sleeve to hold long screws secure. Up to 110 mm total length.
Front loading screwdriver handle.
Metal wire stripper for Ø 0.75 / 1.0 / 1.5 / 2.5 mm².
Wire loop maker up to 5 mm².



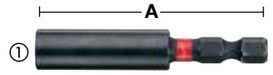


Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
SHOCKWAVE™ IMPACT DUTY drive guide set (12pc)					
1 x PH2, 1 x PZ1 / 2 x PZ2 / 1 x PZ3, 1 x TX15 / 1 x TX20 / 2 x TX25 / 1 x TX30 / 1 x TX40, 1 x drive guide bit holder 76 mm length	25	12	10	**4932430910**	4002395385720

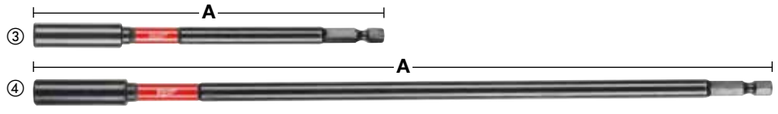
SHOCKWAVE™ IMPACT DUTY magnetic bit holder

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.
¼″ Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

	Catalogue product description	Total length (mm) A	Pack quantity	Order quantity	Article Number	EAN Code
①	Magnetic bit holder 60 mm	60	1	1	**4932472062**	4058546324582
②	Magnetic bit holder 60 mm - jam jar (100pc)	60	1	100	**4932472063**	4058546324599
③	Magnetic bit holder 152 mm - long series	152	1	1	**4932472065**	4058546324612
④	Magnetic bit holder 305 mm - long series	305	1	1	**4932472066**	4058546324629



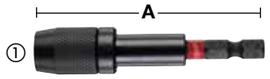


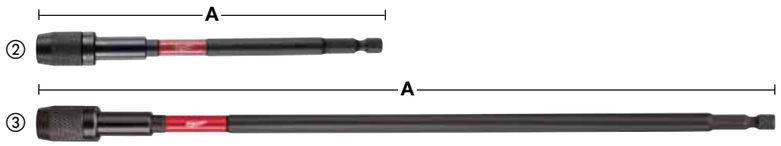


SHOCKWAVE™ IMPACT DUTY locking bit holder

Custom engineered steel - Milwaukee® custom metal formula makes the SHOCKWAVE™ bits more resistant to shock from impacting.
Optimised SHOCK ZONE™ absorbs up to 3X more torque.
Dual internal magnets ensure magnetism to fasteners.
Auto-Locking - One handed bit release.
¼" Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

	Catalogue product description	Total length (mm) A	Pack quantity	Order quantity	Article Number	EAN Code
①	Locking bit holder 73 mm	73	1	1	**4932472064**	4058546324605
②	Locking bit holder 152 mm - long series	152	1	1	**4932472067**	4058546324636
③	Locking bit holder 305 mm - long series	305	1	1	**4932472068**	4058546324643





SHOCKWAVE™ IMPACT DUTY socket adaptors - Hex reception

	Catalogue product description	Total length (mm)	Pack quantity	Order quantity	Article Number	EAN Code
①	Socket adaptor: ¼" Hex - ¼" square. DIN 3126 - E 6.3	50	1	1	**4932471826**	4058546297251
②	Socket adaptor: ¼" Hex - ⅜" square. DIN 3126 - E 6.3	50	1	1	**4932478054**	4058546339876
③	Socket adaptor: ¼" Hex - ½" square. DIN 3126 - E 6.3	50	1	1	4932472069	4058546324650



SHOCKWAVE™ IMPACT DUTY magnetic nut drivers

Custom engineered steel and heat treatment for maximum strength and extreme durability.
Strong magnetic tip for secure grip.
¼" Hex reception (DIN 3126 - E 6.3). Very suitable for high torque and impact applications.

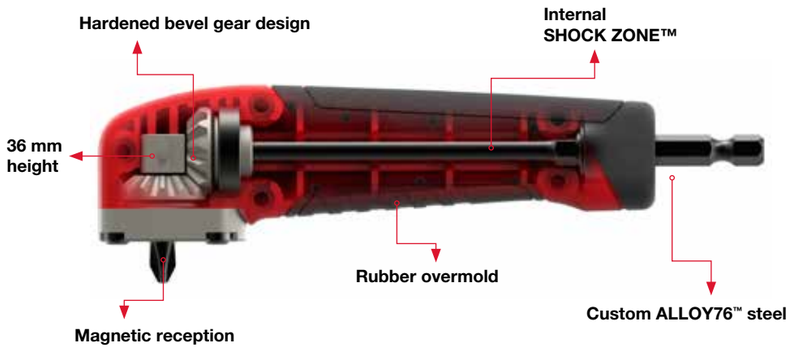
Size AF (across flats) (mm)	For anchor thread size	Total length (mm) A	Pack quantity	Min. order quantity	Article Number	EAN Code
5.5	M3	65	1	1	**4932352536**	4002395371945
6.0	M3.5	65	1	1	**4932352537**	4002395371952
¼"	-	65	1	1	**4932352538**	4002395371969
7.0	M4	65	1	1	**4932352539**	4002395371976
5/16"	-	65	1	1	**4932352540**	4002395371983
8.0	M5	65	1	1	**4932352541**	4002395371990
⅜"	-	65	1	1	**4932352542**	4002395372003
10.0	M6	65	1	1	**4932352543**	4002395372010
12.0	M7	65	1	1	**4932352544**	4002395372027
13.0	M8	65	1	1	**4932352545**	4002395372034
17.0	M10	65	1	1	**4932352546**	4002395372041
① **SHOCKWAVE™ IMPACT DUTY magnetic nut driver set (5pc)** Ø 7 / 8 / 10 / 12 / 13 mm			5	1	**4932352822**	4002395374809



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) 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	11	12	**4932471274**	4058546289027



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.
¼" Hex shank fits directly into the chuck preventing slippage.
* Height when 30° tilted 40 mm





* Height when 30° tilted 40 mm



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Counter display KNUCKLE™ set (11pc) 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	11	10	**4932459781**	4058546029531

OSD2 - Offset screwdriver/ drill angle attachment









	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**OSD 2**	1	1	**4932352320**	4002395369799
②	**Counter display** 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 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
	Compact screwdriving bit set (12pc) 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
	Screwdriving bit set (35pc)				
①	Screwdriving bits 25 mm length: PH 1 x 2 / PH 2 x 3 / PH 3 x 2. PZ 1 x 2 / PZ 2 x 3 / PZ 3 x 2. TX 10 x 2 / TX 15 x 2 / TX 20 x 3. TX 25 x 3 / TX 30 x 2 / TX 40 x 2. Screwdriving bits 50 mm length: PH 1 x 1 / PH 2 x 1. PZ 1 x 1 / PZ 2 x 1. TX 20 x 1 / TX 25 x 1. 1 x magnetic bit holder with 1/4" Hex reception	35	6	**4932352068**	4002395367214
	Screwdriving bit set (27pc)				
②	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



SHOCKWAVE IMPACT DUTY™

With the most skilled tradesmen in mind, MILWAUKEE® continues to increase its variety of impact wrenches to allow for further versatility on the jobsite. Alongside this, MILWAUKEE® have widened our range of SHOCKWAVE™ IMPACT DUTY sockets by introducing even more reception sizes to our extensive line of products.



1/4" NEW 3/8" 1/2" 3/4" 1" 1 1/2"

1/4˝ SHOCKWAVE™ IMPACT DUTY impact sockets - deep

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

Best fitting thanks to 6 gripping points.

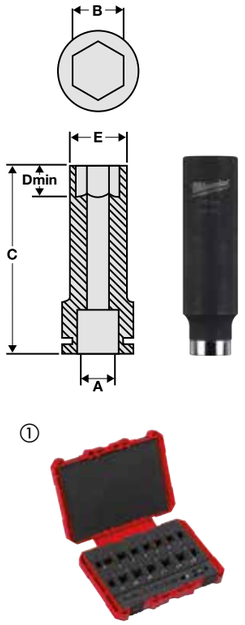
Recessed corners allow torque to be transferred across the flats of the socket rather than producing stress on the points or corners.

Thin wall construction provides access to tight spaces.

Deep wall construction provides clearance for protruding bolts.

Laser etched size markings for easy identification and won't wear off.

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread size	Pack quantity	Min. order quantity	Article Number	EAN Code
	¼˝ square	4	50	3	7.7	M2	1	1	**4932472283**	4058546339296
	¼˝ square	4.5	50	3.5	8	-	1	1	**4932472284**	4058546339302
	¼˝ square	5	50	4	8.8	M2.5	1	1	**4932472285**	4058546339319
	¼˝ square	5.5	50	4.5	9.5	M3	1	1	**4932472286**	4058546339326
	¼˝ square	6	50	6	9.8	M3.5	1	1	**4932478000**	4058546339333
	¼˝ square	7	50	6	11.4	M4	1	1	**4932478001**	4058546339340
	¼˝ square	8	50	7.5	12.5	M5	1	1	**4932478002**	4058546339357
	¼˝ square	9	50	7.5	13.8	-	1	1	**4932478003**	4058546339364
	¼˝ square	10	50	9	14.3	M6	1	1	**4932478004**	4058546339371
	¼˝ square	11	50	11	16.8	M7	1	1	**4932478005**	4058546339388
	¼˝ square	12	50	12	17.8	-	1	1	**4932478006**	4058546339395
	¼˝ square	13	50	12	18.8	M8	1	1	**4932478007**	4058546339401
	¼˝ SHOCKWAVE™ IMPACT DUTY socket set (21pc)									
①	12 x ¼˝ sockets: 4 / 4.5 / 5 / 5.5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 mm. 50 mm total length. 6 x screwdriving bits 25 mm in length: PH 2, PZ 2, TX 15, TX 20, TX 25, TX 30. 1 x socket adaptor ¼˝ Hex > ¼˝ square drive. 1 x bit adaptor ¼˝ square (F) > ¼˝ Hex. 1 x 60mm magnetic bit holder for screwdriving bits						21	1	**4932352862**	4002395375202

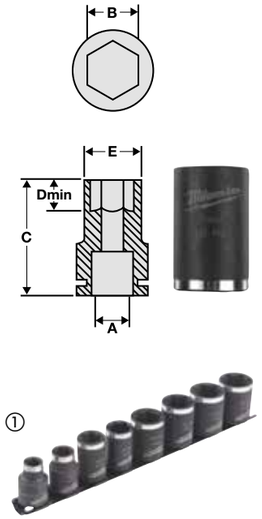


SHOCKWAVE IMPACT DUTY™

3/8˝ SHOCKWAVE™ IMPACT DUTY impact sockets

NEW

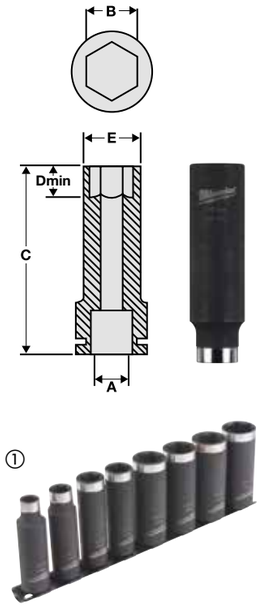
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread size	Pack quantity	Min. order quantity	Article Number	EAN Code
	⅜˝ square	8	28	4.8	12.5	M5	1	1	**4932478008**	4058546339418
	⅜˝ square	10	28	5.3	15	M6	1	1	**4932478009**	4058546339425
	⅜˝ square	11	30	5.8	17	-	1	1	**4932478010**	4058546339432
	⅜˝ square	12	30	6.4	18.8	M7	1	1	**4932478011**	4058546339449
	⅜˝ square	13	30	6.9	18.8	M8	1	1	**4932478012**	4058546339456
	⅜˝ square	14	30	7.4	19.8	M9	1	1	**4932478013**	4058546339463
	⅜˝ square	15	30	8	21.8	-	1	1	**4932478014**	4058546339470
	⅜˝ square	16	30	8.5	23.8	-	1	1	**4932478015**	4058546339487
	⅜˝ square	17	32	9.7	23.8	M10	1	1	**4932478016**	4058546339494
	⅜˝ square	18	32	10.9	25.8	-	1	1	**4932478017**	4058546339500
	⅜˝ square	19	32	11.9	25.8	M12	1	1	**4932478018**	4058546339517
	⅜˝ square	21	32	12.9	29.8	-	1	1	**4932478019**	4058546339524
	⅜˝ square	22	32	13.9	31.8	M14	1	1	**4932478020**	4058546339531
	3/8" SHOCKWAVE™ IMPACT DUTY socket set (8 pc)									
①	8 x impact sockets: 8 / 10 / 12 / 13 / 16 / 17 / 18 / 19 mm						8	1	**4932478288**	4058546344658



3/8˝ SHOCKWAVE™ IMPACT DUTY impact sockets - deep

NEW

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread size	Pack quantity	Min. order quantity	Article Number	EAN Code
	⅜˝ square	8	63	4.8	12.5	M5	1	1	**4932478021**	4058546339548
	⅜˝ square	10	63	5.3	15	M6	1	1	**4932478022**	4058546339555
	⅜˝ square	11	63	5.8	17	-	1	1	**4932478023**	4058546339562
	⅜˝ square	12	63	6.4	18.8	M7	1	1	**4932478024**	4058546339579
	⅜˝ square	13	63	6.9	18.8	M8	1	1	**4932478025**	4058546339586
	⅜˝ square	14	63	7.4	19.8	M9	1	1	**4932478026**	4058546339593
	⅜˝ square	15	63	8	21.8	-	1	1	**4932478027**	4058546339609
	⅜˝ square	16	63	8.5	23.8	-	1	1	**4932478028**	4058546339616
	⅜˝ square	17	63	9.7	23.8	M10	1	1	**4932478029**	4058546339623
	⅜˝ square	18	63	10.9	25.8	-	1	1	**4932478030**	4058546339630
	⅜˝ square	19	63	11.9	25.8	M12	1	1	**4932478031**	4058546339647
	⅜˝ square	21	63	12.9	29.8	-	1	1	**4932478032**	4058546339654
	⅜˝ square	22	63	13.9	31.8	M14	1	1	**4932478033**	4058546339661
	3/8" SHOCKWAVE™ IMPACT DUTY socket set deep									
①	8 x deep impact sockets: 8 / 10 / 12 / 13 / 16 / 17 / 18 / 19 mm						8	1	**4932478289**	4058546344665



3/8˝ impact sockets - extensions

NEW

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
3/8“ extension - 150 mm	150	1	1	**4932478055**	4058546339883
3/8“ extension - 250 mm	250	1	1	**4932478056**	4058546339890



3/8˝ impact sockets - adaptors

NEW

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Socket adaptor: 3/8˝ square - 1/2˝ square	37	1	1	**4932478051**	4058546339845
Socket adaptor: 3/8˝ square - 1/4˝ square	32	1	1	**4932478052**	4058546339852





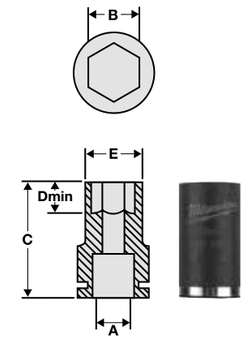




1/2˝ SHOCKWAVE™ IMPACT DUTY impact sockets

NEW

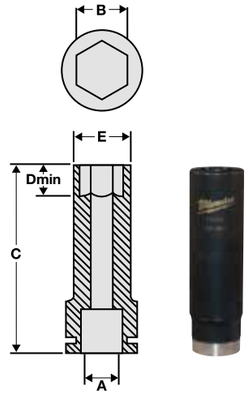
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread size	Pack quantity	Min. order quantity	Article Number	EAN Code
½˝ square	8	38	4.8	14.5	M5	1	1	**4932478034**	4058546339678
½˝ square	10	38	5.3	17	M6	1	1	**4932478035**	4058546339685
½˝ square	11	38	5.8	18	-	1	1	**4932478036**	4058546339692
½˝ square	12	38	6.4	19	M7	1	1	**4932478037**	4058546339708
½˝ square	13	38	6.9	20	M8	1	1	**4932478038**	4058546339715
½˝ square	14	38	7.4	22	M9	1	1	**4932478039**	4058546339722
½˝ square	15	38	8.0	23.4	-	1	1	**4932478040**	4058546339739
½˝ square	16	38	8.5	23.8	-	1	1	**4932478041**	4058546339746
½˝ square	17	38	9.7	25.8	M10	1	1	**4932478042**	4058546339753
½˝ square	18	38	10.9	25.8	-	1	1	**4932478043**	4058546339760
½˝ square	19	40	12.4	27.8	M12	1	1	**4932478044**	4058546339777
½˝ square	21	40	12.9	29.8	-	1	1	**4932478045**	4058546339784
½˝ square	22	42	13.9	31.8	M14	1	1	**4932478046**	4058546339791
½˝ square	24	44	14.9	33.8	M16	1	1	**4932478047**	4058546339807
½˝ square	27	46	15.9	37.8	M18	1	1	**4932478048**	4058546339814
½˝ square	30	46	18.1	41.8	M20	1	1	**4932478049**	4058546339821
½˝ square	32	46	18.8	43.8	M22	1	1	**4932478050**	4058546339838
½˝ SHOCKWAVE™ IMPACT DUTY socket set (11 pc)									
① 9 x impact sockets: 10 / 12 / 13 / 16 / 17 / 18 / 19 / 21 / 24 mm. 1 x 150 mm extension. 1 x 1/4" Hex - 1/2" SQ adaptor						11	1	**4932478290**	4058546344672



① 

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
½˝ square	8	78	12	15	M5	1	1	**4932352847**	4002395375059
½˝ square	10	78	12	17	M6	1	1	**4932352848**	4002395375066
½˝ square	11	78	12	18	-	1	1	**4932352849**	4002395375073
½˝ square	12	78	12	19	M7	1	1	**4932352850**	4002395375080
½˝ square	13	78	12	20	M8	1	1	**4932352851**	4002395375097
½˝ square	14	78	15	22	M9	1	1	**4932352852**	4002395375103
½˝ square	15	78	15	23.4	-	1	1	**4932471737**	4058546296360
½˝ square	16	78	15	23.8	-	1	1	**4932352853**	4002395375110
½˝ square	17	78	18	25.8	M10	1	1	**4932352854**	4002395375127
½˝ square	18	78	20	25.8	-	1	1	**4932471738**	4058546296377
½˝ square	19	78	21	27.8	M12	1	1	**4932352855**	4002395375134
½˝ square	21	78	24	29.8	-	1	1	**4932352856**	4002395375141
½˝ square	22	78	24	31.8	M14	1	1	**4932471166**	4058546287948
½˝ square	24	78	24	33.8	M16	1	1	**4932352857**	4002395375158
½˝ square	27	78	24	37.8	M18	1	1	**4932352858**	4002395375165
½˝ square	30	78	24	41.8	M20	1	1	**4932352859**	4002395375172
½˝ square	32	78	24	43.8	M22	1	1	**4932352860**	4002395375189
½˝ SHOCKWAVE™ IMPACT DUTY socket set (10 pc)									
① 10 x deep impact sockets: 8 / 10 / 11 / 12 / 13 / 14 / 16 / 17 / 19 / 21 mm						10	1	**4932352861**	4002395375196



① 

1/2˝ SHOCKWAVE™ IMPACT DUTY automotive impact socket set

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Automotive impact socket set (3pc) 17 mm, 19 mm and 21 mm 1/2˝ impact sockets	3	1	**4932451568**	4002395140091



1/2˝ impact sockets - extensions

NEW

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
1/2" extension - 150 mm	150	1	1	**4932478057**	4058546339906
1/2" extension - 250 mm	250	1	1	**4932478058**	4058546339913



1/2˝ impact sockets - adaptors

NEW

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Socket adaptor: 1/2˝ square - 1/4˝ Hex. To accept screwdriving bits	50	1	1	**4932471828**	4058546297275
② Socket adaptor: 1/2˝ square - 3/8˝ square	38	1	1	**4932478053**	4058546339869



1/2˝ impact TX bit sockets

NEW

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

NEW

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.

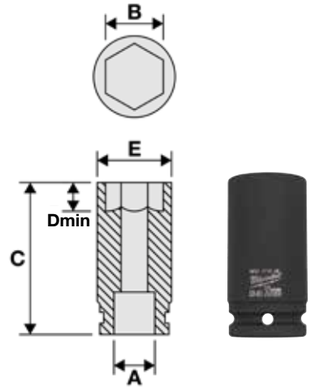


Description	Tool reception	Pack quantity	Min. order quantity	Article Number	EAN Code
HEX5 1/2" impact bit socket	1/2˝ square	1	1	**4932478063**	4058546339968
HEX6 1/2" impact bit socket	1/2˝ square	1	1	**4932478064**	4058546339975
HEX8 1/2" impact bit socket	1/2˝ square	1	1	**4932478065**	4058546339982
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

3/4˝ SHOCKWAVE™ IMPACT DUTY impact sockets - deep

SHOCKWAVE™ IMPACT DUTY steel (Chrome-Molybdenum) is high quality alloy steel which provides ultimate strength and durability.
According to DIN 3129 / ISO 2725-2, internal square drive according to DIN 3121 / ISO 1174-2.
6 gripping points for precise fitting.
Recessed corners allow torque to be transferred across the flats of the socket rather than producing stress on the points or corners.
Deep wall construction provides clearance for protruding bolts.
Laser etched size markings for easy identification and won't wear off.

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread	Pack quantity	Min. order quantity	Article Number	EAN Code
3/4˝ square	17	90	38	30	M10	1	1	**4932471642**	4058546295417
3/4˝ square	19	90	38	33	M12	1	1	**4932471643**	4058546295424
3/4˝ square	21	90	38	35	-	1	1	**4932471644**	4058546295431
3/4˝ square	22	90	38	37	M14	1	1	**4932471645**	4058546295448
3/4˝ square	24	90	38	39	M16	1	1	**4932471646**	4058546295455
3/4˝ square	27	90	38	43	M18	1	1	**4932471647**	4058546295462
3/4˝ square	30	90	38	46	M20	1	1	**4932471648**	4058546295479
3/4˝ square	32	90	38	49	M22	1	1	**4932471649**	4058546295486
3/4˝ square	33	90	38	51	-	1	1	**4932471650**	4058546295493
3/4˝ square	36	90	38	54	M24	1	1	**4932471651**	4058546295509
3/4˝ square	41	90	38	60	M27	1	1	**4932471652**	4058546295516
3/4˝ square	46	90	38	66	M30	1	1	**4932471653**	4058546295523
3/4˝ square	50	90	38	71	M33	1	1	**4932471654**	4058546295530



3/4˝ impact sockets - extensions

Impact rated socket extensions for facilitated bolt access in restricted areas.
SHOCKWAVE™ IMPACT DUTY steel (chrome-molybdenum) is high quality alloy steel which provides ultimate strength and durability.

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① 3/4" extension - 150 mm	150	1	1	**4932471655**	4058546295547
② 3/4" extension - 250 mm	250	1	1	**4932471656**	4058546295554



3/4˝ impact sockets - adaptors

Square drive adaptor according to DIN 3121 / ISO 1174 with ball lock.
3/4" adapter and reducer (F) to accept different square drive sizes (M), making an existing socket system more flexible in use.
SHOCKWAVE™ IMPACT DUTY steel (chrome-molybdenum) is high quality alloy steel which provides ultimate strength and durability.

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Socket adaptor: 3/4" square - 1/2" square	56	1	1	**4932471657**	4058546295561
② Socket adaptor: 3/4" square - 1" square	63	1	1	**4932471658**	4058546295578



3/4˝ impact sockets - security accessories

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① 3/4" O-ring for sockets 17-49 mm	1	1	**4932471659**	4058546295585
① 3/4" O-ring for sockets 50-70 mm	1	1	**4932471660**	4058546295592
② 3/4" connection pin for sockets 17-49 mm	1	1	**4932471661**	4058546295608
② 3/4" connection pin for sockets 50-70 mm	1	1	**4932471662**	4058546295615

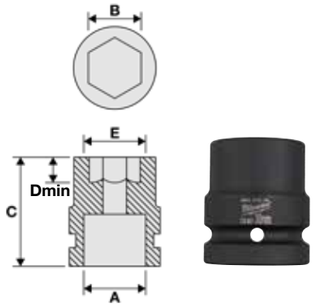


SHOCKWAVE IMPACT DUTY™

1˝ SHOCKWAVE™ IMPACT DUTY impact sockets - standard

SHOCKWAVE™ IMPACT DUTY steel (Chrome-Molybdenum) is high quality alloy steel which provides ultimate strength and durability.
According to DIN 3129 / ISO 2725-2, internal square drive according to DIN 3121 / ISO 1174-2.
6 gripping points for best precise fit.
Recessed corners allow torque to be transferred across the flats of the socket rather than producing stress on the points or corners.
Laser etched size markings for easy identification and won't wear off.

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	For anchor thread	Pack quantity	Min. order quantity	Article Number	EAN Code
1˝ square	27	58	14	46	M18	1	1	**4932471663**	4058546295622
1˝ square	30	60	16	49	M20	1	1	**4932471664**	4058546295639
1˝ square	32	61	19	53	M22	1	1	**4932471665**	4058546295646
1˝ square	33	61	19	54	-	1	1	**4932471666**	4058546295653
1˝ square	36	65	19	57	M24	1	1	**4932471667**	4058546295660
1˝ square	41	65	23	63	M27	1	1	**4932471668**	4058546295677
1˝ square	46	74	23	69	M30	1	1	**4932471669**	4058546295684
1˝ square	50	74	26	74	M33	1	1	**4932471670**	4058546295691
1˝ square	55	85	28	81	M36	1	1	**4932471671**	4058546295707
1˝ square	60	89	31	87	M39	1	1	**4932471672**	4058546295714
1˝ square	65	93	32	93	M42	1	1	**4932471673**	4058546295721
1˝ square	70	98	35	99	M45	1	1	**4932471674**	4058546295738



1˝ impact sockets - extensions

Impact rated socket extensions for facilitated bolt access in restricted areas.
SHOCKWAVE™ IMPACT DUTY steel (chrome-molybdenum) is high quality alloy steel which provides ultimate strength and durability.

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① 1" extension - 175 mm	175	1	1	**4932471675**	4058546295745
② 1" extension - 300 mm	300	1	1	**4932471676**	4058546295752



1˝ impact sockets - adaptors

Square drive adaptor according to DIN 3121 / ISO 1174 with ball lock.
1" reducer (F) to accept different square drive sizes (M), making an existing socket system more flexible in use.
SHOCKWAVE™ IMPACT DUTY steel (chrome-molybdenum) is high quality alloy steel which provides ultimate strength and durability.

Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Socket adaptor: 1" square - 3/4" square	75	1	1	**4932471677**	4058546295769



1˝ impact sockets - security accessories

Pin and o-ring accessories to secure 1˝ impact sockets safely.

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① 1" O-ring	1	1	**4932471678**	4058546295776
② 1" connection pin	1	1	**4932471679**	4058546295783



Nails

Type	Wire gauge	Dimensions (mm)	Total length (mm)	Nail angle	Material	Pack quantity	Min. order quantity	Article Number	EAN Code
	18	1.05 x 1.25	16	0°	Resin Coated. Galvanised	10,000	1	**4932459124**	4002395287796
	18	1.05 x 1.25	19	0°	Resin Coated. Galvanised	10,000	1	**4932459125**	4002395288403
	18	1.05 x 1.25	25	0°	Resin Coated. Galvanised	5,000	1	**4932459126**	4002395288410
	18	1.05 x 1.25	30	0°	Resin Coated. Galvanised	5,000	1	**4932459127**	4002395288427
	18	1.05 x 1.25	32	0°	Resin Coated. Galvanised	5,000	1	**4932459128**	4002395288434
	18	1.05 x 1.25	40	0°	Resin Coated. Galvanised	5,000	1	**4932459129**	4002395288441
	18	1.05 x 1.25	45	0°	Resin Coated. Galvanised	4,000	1	**4932459130**	4002395288458
	18	1.05 x 1.25	50	0°	Resin Coated. Galvanised	4,000	1	**4932459131**	4002395288465
① Brad nails for M18FN18GS	18	1.05 x 1.25	16	0°	Stainless / Rust free	10,000	1	**4932459132**	4002395288472
	18	1.05 x 1.25	19	0°	Stainless / Rust free	10,000	1	**4932459133**	4002395288489
	18	1.05 x 1.25	25	0°	Stainless / Rust free	5,000	1	**4932459134**	4002395288496
	18	1.05 x 1.25	30	0°	Stainless / Rust free	5,000	1	**4932459135**	4002395289103
	18	1.05 x 1.25	32	0°	Stainless / Rust free	5,000	1	**4932459136**	4002395289110
	18	1.05 x 1.25	40	0°	Stainless / Rust free	5,000	1	**4932459137**	4002395289127
	18	1.05 x 1.25	45	0°	Stainless / Rust free	4,000	1	**4932459138**	4002395289134
	18	1.05 x 1.25	50	0°	Stainless / Rust free	4,000	1	**4932459139**	4002395289141
	16	1.50 x 1.65	32	20°	Galvanised	2,000	1	**4932459140**	4002395289158
	16	1.50 x 1.65	38	20°	Galvanised	2,000	1	**4932459141**	4002395289165
② Brad nails for M18CN16GA	16	1.50 x 1.65	45	20°	Galvanised	2,000	1	**4932459142**	4002395289172
	16	1.50 x 1.65	50	20°	Galvanised	2,000	1	**4932459143**	4002395289189
	16	1.50 x 1.65	64	20°	Galvanised	2,000	1	**4932459144**	4002395289196
	-	Ø2.8	50	34°	Ring Shank	4,000	1	**4932478396**	4058546345877
	-	Ø2.8	63	34°	Ring Shank	4,000	1	**4932478397**	4058546345884
	-	Ø2.8	75	34°	Ring Shank	4,000	1	**4932478398**	4058546345891
	-	Ø2.8	80	34°	Ring Shank	3,000	1	**4932478399**	4058546345907
③ D head nails for M18FFN	-	Ø3.1	90	34°	Ring Shank	3,000	1	**4932478400**	4058546345914
	-	Ø2.8	63	34°	Ring Shank. Galvanised	4,000	1	**4932478401**	4058546345921
	-	Ø2.8	75	34°	Ring Shank. Galvanised	4,000	1	**4932478402**	4058546345938
	-	Ø3.1	80	34°	Ring Shank. Galvanised	3,000	1	**4932478403**	4058546345945
	-	Ø3.1	90	34°	Ring Shank. Galvanised	3,000	1	**4932478404**	4058546345952



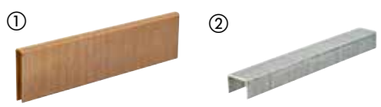




CE EN 14592 / EUROCODE 5

Staples

Type	Width (mm)	Dimensions (mm)	Total length (mm)	Material	Pack quantity	Min. order quantity	Article Number	EAN Code
	5.7	1.05 x 1.25	15	Resin Coated. Galvanised	9,200	1	**4932478389**	4058546345808
	5.7	1.05 x 1.25	20	Resin Coated. Galvanised	9,200	1	**4932478390**	4058546345815
① Staples for M18FNCS18GS	5.7	1.05 x 1.25	25	Resin Coated. Galvanised	4,600	1	**4932478391**	4058546345822
	5.7	1.05 x 1.25	30	Resin Coated. Galvanised	4,600	1	**4932478392**	4058546345839
	5.7	1.05 x 1.25	32	Resin Coated. Galvanised	4,600	1	**4932478393**	4058546345846
	5.7	1.05 x 1.25	36	Resin Coated. Galvanised	4,600	1	**4932478394**	4058546345853
	10.6	0.5 x 1.27	6	Galvanised	1,200	1	**4932459145**	4002395289806
② Staples for M12BST	10.6	0.5 x 1.27	8	Galvanised	1,200	1	**4932459146**	4002395289813
	10.6	0.5 x 1.27	14	Galvanised	600	1	**4932459147**	4002395289820



SAWZALL®

BLADE SELECTION GUIDE

1. Identify the material to be cut in the rows below.

2. Follow the row across to find best/ compatible performance.

BEST PERFORMANCE **GOOD PERFORMANCE**



	TPI	BLADE THICKNESS (MM)	THICK METAL > 4MM	MEDIUM METAL 1.5 - 4MM	THIN METAL 0.5 - 3MM	STAINLESS STEEL	CAST IRON	NON FERROUS METALS (CU/AL)	WOOD	GREEN WOOD	WOOD WITH NAILS & SCREWS	PALLETS	PVC Pipe
DEMOLITION BLADES													
AX™ CARBIDE	5	1.27							■		■		
AX™	5	1.60							■		■		
THIN KERF	5	1.27							■		■		
METAL CUTTING BLADES													
TORCH™ NITRUS CARBIDE	7	1.27	■	◢		◢	■	■					
TORCH™ CARBIDE	7	1.27	■	◢		◢	■	■					
TORCH™	10	1.10	Faster/ Rougher ↕ Slower/ Smoother	Faster/ Rougher ↕ Slower/ Smoother				■					
	14	1.10			■	■		■					
	18	1.10			■	■		■					
THIN KERF	14	0.90	Faster/ Rougher ↕ Slower/ Smoother	Faster/ Rougher ↕ Slower/ Smoother		■		■					■
	18	0.90			■	■		■					■
	25	0.90			■	■		■					■
UNIVERSAL BLADES													
WRECKER™ CARBIDE	6	1.27	■	◢			■	■			■		
WRECKER™	7/11	1.60	■	■				■			■		
Art. Nr. 48005092	10	0.90	■	■				■					
Art. Nr. 48005293	10/14	0.90	■	■				■			■	■	■
Art. Nr. 48005093	8/12	1.27	■	■				■			■	■	■
WOOD CUTTING BLADES													
Art. Nr. 48001075	4.2	1.27							■	■			
Art. Nr. 48001077	5.5/6	1.27							■	■			
Art. Nr. 48001079	8.5	1.27							■				
SPECIAL APPLICATION BLADES													
DIAMOND GRIT	GRIT	1.10					■						

INTRODUCING

NITRUS CARBIDE™

TORCH™
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



3x
LONGER LIFE*

CARBIDE TEETH
CUT LONGER. CUT MORE. CUT FASTER.







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™

NEW

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.
Constructed with a 7 Tpi design for fast starts and smooth cuts, large gullets for easy chip ejection, and a unique carbide blend, the TORCH™ Blades with NITRUS CARBIDE™ are designed to last the longest and cut the fastest in cast iron / SML pipe and other thick 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 thick metals and especially cast iron soil, waste and drainage pipes

Blade length (mm)	Tooth pitch (mm)	Teeth per inch	Ref. No.							Pack quantity	Min. order quantity	Article Number	EAN Code	
									RESCUE					
150	3.6	7	-	5 - 13	Ø 10 - 100	5 - 13	Ø 10 - 100	5 - 13	Yes	1	1	**48005261**	045242569694	
										5	1	**48005561**	045242569717	
230	3.6	7	-	5 - 13	Ø 10 - 175	5 - 13	Ø 10 - 175	5 - 13	Yes	1	1	**48005262**	045242569724	
										5	1	**48005562**	045242569748	
300	3.6	7	-	5 - 13	Ø 10 - 250	5 - 13	Ø 10 - 250	5 - 13	Yes	1	1	**48005263**	045242569755	
										5	1	**48005563**	045242569779	

SAWING, CUTTING AND GRINDING

THE TORCH™ WITH NITRUS CARBIDE™ VS AIRBUS A319









Scan the QR Code to see our full video.

Metal: Heavy duty TORCH™ carbide teeth

Carbide teeth provide for longest life in thick 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

THE TORCH™ CARBIDE TEETH

Blade length (mm)	Tooth pitch (mm)	Teeth per inch	Ref. No.								Pack quantity	Min. order quantity	Article Number	EAN Code
150	3.6	7	-	5 - 13	Ø 10 - 100	5 - 13	Ø 10 - 100	5 - 13	Yes		1	1	48005201	045242521036
											5	1	48005501	045242520862
230	3.6	7	-	5 - 13	Ø 10 - 175	5 - 13	Ø 10 - 175	5 - 13	Yes		1	1	48005202	045242520787
											5	1	48005502	045242520879
300	3.6	7	-	5 - 13	Ø 10 - 250	5 - 13	Ø 10 - 250	5 - 13	Yes		1	1	48005203	045242520794
											5	1	48005503	045242520886

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

AX™ CARBIDE TEETH

Up to 50x longer life than standard Bi-Metal blades. Carbide teeth deliver long life and extreme durability in the toughest applications. Cuts through harderned screws and fastners.
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.

Blade length (mm)	Tooth pitch (mm)	Teeth per inch	Ref. No.							Pack quantity	Min. order quantity	Article Number	EAN Code
150	5	5	-	10 - 100	10 - 100	Ø 10 - 100	Yes	Yes	Yes	1	1	48005221	045242483716
										5	1	48005521	045242521104
230	5	5	-	10 - 175	10 - 175	Ø 10 - 175	Yes	Yes	Yes	1	1	48005226	045242483723
										5	1	48005526	045242521111
300	5	5	-	10 - 250	10 - 250	Ø 10 - 250	Yes	Yes	Yes	1	1	48005227	045242483730
										5	1	48005527	045242521128

Multi material : Heavy duty WRECKER™ carbide teeth demolition blades

NEW

WRECKER™ CARBIDE TEETH

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 (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	-	5 - 13	Ø 10 - 100	5 - 13	Ø 10 - 100	Yes	Yes	Yes		1	1	48005241	045242567980
												5	1	48005541	045242568048
230	4.2	6	-	5 - 13	Ø 10 - 175	5 - 13	Ø 10 - 175	Yes	Yes	Yes		1	1	48005242	045242567997
												5	1	48005542	045242568055
300	4.2	6	-	5 - 13	Ø 10 - 250	5 - 13	Ø 10 - 250	Yes	Yes	Yes		1	1	48005243	045242568000
												5	1	48005543	045242568062



Wood with nails: Heavy duty AX™ demolition blades

THE AX™





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: Extra thick 1.60 mm body 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.							Pack quantity	Min. order quantity	Article Number	EAN Code
150	5	5	-	10 - 100	10 - 100	10 - 50	Yes	Yes	Yes	5	1	**48005021**	045242082988
										25	1	**48008021**	045242082285
230	5	5	-	10 - 175	10 - 175	10 - 50	Yes	Yes	Yes	5	1	**48005026**	045242082995
										25	1	**48008026**	045242082292
300	5	5	-	10 - 250	10 - 250	10 - 50	Yes	Yes	Yes	5	1	**48005027**	045242083022
										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: 1.25 mm thick blade body for good strength and blade 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.						Pack quantity	Min. order quantity	Article Number	EAN Code
150	5	5	S611DF	10 - 100	10 - 100	Ø 10 - 100	Yes	Yes	5	1	**48005035**	045242082698
									50	1	**48016035**	045242084791
230	5	5	S1111DF	10 - 175	10 - 175	Ø 10 - 175	Yes	Yes	5	1	**48005036**	045242082704
									50	1	**48016036**	045242084661
300	5	5	S1411DF	10 - 250	10 - 250	Ø 10 - 250	Yes	Yes	5	1	**48005037**	045242082711
									50	1	**48016037**	045242084807

Multi material: Extra heavy duty WRECKER™ blades

THE WRECKER™

Strong and precise: Extra thick 1.60 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	4 - 10	Yes	Yes	Yes	5	1	**48005701**	045242082476
230	3.6/2.3	7/11	-	4 - 10	Ø 10 - 160	4 - 10	4 - 10	Yes	Yes	Yes	5	1	**48005706**	045242082483
											25	1	**48008706**	045242082520
300	3.6/2.3	7/11	-	4 - 10	Ø 10 - 180	4 - 10	4 - 10	Yes	Yes	Yes	5	1	**48005711**	045242082490

Wood / Metal / Plastic: Universal 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 - 10	3 - 10	5 - 50	No	Ø 3 - 50	5	1	**48005092**	045242082766
150	2.5/1.8	10/14	SS922VF	3 - 10	3 - 10	5 - 100	No	Ø 3 - 100	5	1	**48005292**	045242084067
									50	1	**48016292**	045242084081
200	2.5/1.8	10/14	-	3 - 10	3 - 10	5 - 175	Yes	Ø 3 - 160	5	1	**48005293**	045242084074
									50	1	**48016293**	045242084098
300	2.5/1.8	10/14	-	3 - 10	3 - 10	5 - 250	Yes	Ø 3 - 250	5	1	**48005194**	045242082926
150	3.2/2.1	8/12	-	3 - 10	3 - 10	5 - 100	Yes	Ø 3 - 100	5	1	**48005091**	045242082759
									50	1	**48016091**	045242084685
200	3.2/2.1	8/12	-	3 - 10	3 - 10	5 - 175	Yes	Ø 3 - 160	5	1	**48005093**	045242082773
									50	1	**48016093**	045242084708
									500	1	**48016000**	045242084951
300	3.2/2.1	8/12	-	3 - 10	3 - 10	5 - 250	Yes	Ø 3 - 250	5	1	**48005094**	045242082780
									50	1	**48016094**	045242084715

Metal: Heavy duty TORCH™ demolition blades

THE TORCH™

STIFFEST



STRONGEST

LONGEST

DOUBLE DUTY UPGRADE **2X LIFE***

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.

TOUGH NECK

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

GRID IRON

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.

ice hardened

Unique cyrogenic heat treatment process gives:
– tougher teeth for cutting the hardest of metals
– up to 50% longer life vs. standard Bi Metal blades



*vs. standard Bi Metal blades

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	-	2 - 8	Ø 10 - 100	2 - 8	2 - 4	No	Yes	5	1	**48005784**	045242083084		
										25	1	**48008784**	045242082407		
150	1.4	18	-	2 - 8	Ø 10 - 100	2 - 8	2 - 4	No	Yes	5	1	**48004784**	045242081110		
230	1.4	18	-	2 - 8	Ø 10 - 160	2 - 8	2 - 4	No	Yes	5	1	**48005788**	045242083091		
										25	1	**48008788**	045242082421		
230	1.4	18	-	2 - 8	Ø 10 - 160	2 - 8	2 - 4	No	Yes	5	1	**48004788**	045242081134		
300	1.4	18	-	2 - 8	Ø 10 - 180	2 - 8	2 - 4	No	Yes	5	1	**48005789**	045242083107		
										25	1	**48008789**	045242082438		
150	1.8	14	-	3 - 10	Ø 10 - 100	3 - 10	3 - 7	Yes	Yes	5	1	**48005782**	045242083060		
										25	1	**48008782**	045242082391		
150	1.8	14	-	3 - 10	Ø 10 - 100	3 - 10	3 - 7	Yes	Yes	5	1	**48004782**	045242081097		
230	1.8	14	-	3 - 10	Ø 10 - 160	3 - 10	3 - 7	Yes	Yes	5	1	**48005787**	045242083077		
										25	1	**48008787**	045242082414		
230	1.8	14	-	3 - 10	Ø 10 - 160	3 - 10	3 - 7	Yes	Yes	5	1	**48004787**	045242081127		
150	2.5	10	-	4 - 10	Ø 10 - 100	4 - 10	4 - 10	Yes	Yes	5	1	**48005712**	045242083039		
										25	1	**48008712**	045242082377		
150	2.5	10	-	4 - 10	Ø 10 - 100	4 - 10	4 - 10	Yes	Yes	5	1	**48004712**	045242081073		
230	2.5	10	-	4 - 10	Ø 10 - 160	4 - 10	4 - 10	Yes	Yes	5	1	**48005713**	045242083046		
										25	1	**48008713**	045242082384		
230	2.5	10	-	4 - 10	Ø 10 - 160	4 - 10	4 - 10	Yes	Yes	5	1	**48004713**	045242081080		
										50	1	**48018713**	045242253555		
300	2.5	10	-	4 - 10	Ø 10 - 180	4 - 10	4 - 10	Yes	Yes	5	1	**48005714**	045242222810		

Metal: THIN KERF blades



DOUBLE DUTY UPGRADE 2X LIFE*

Improved tooth geometry for best speed and double the lifetime.
Bi-Metal quality cutting teeth with 8% Cobalt the ultimate in performance and lifetime.

TOUGH NECK

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

THIN KERF

Slim 0.90 mm thick blade body optimised for maximum speed and flexibility.

ice hardened

Unique cyrogenic heat treatment process gives:
– tougher teeth for cutting the hardest of metals
– up to 50% longer life vs. standard Bi Metal blades



*vs. standard Bi Metal blades

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	0.5 - 3	0.5 - 3	Ø 8 - 50	0.5 - 3	0.5 - 3	No	No	5	1	**48005185**	045242082865
150	1	24	S922AF	0.5 - 3	0.5 - 3	Ø 8 - 100	0.5 - 3	0.5 - 3	No	No	5	1	**48005186**	045242082872
100	1.4	18	S522EF	1.5 - 4	1.5 - 4	Ø 10 - 50	1.5 - 4	1.5 - 4	No	No	5	1	**48005183**	045242082841
150	1.4	18	S922EF	1.5 - 4	1.5 - 4	Ø 10 - 100	1.5 - 4	1.5 - 4	No	No	5 50	1 1	**48005184** **48016184**	045242082858 045242084739
150	1.4	18	S922EF	1.5 - 4	1.5 - 4	Ø 10 - 100	1.5 - 4	1.5 - 4	No	No	5	1	**48004184**	045242081042
230	1.4	18	S1122EF	1.5 - 4	1.5 - 4	Ø 10 - 100	1.5 - 4	1.5 - 4	No	No	5 50	1 1	**48005188** **48016188**	045242082896 045242084876
230	1.4	18	S1122EF	1.5 - 4	1.5 - 4	Ø 10 - 160	1.5 - 4	1.5 - 4	No	No	5	1	**48004188**	045242081066
300	1.4	18	-	1.5 - 4	1.5 - 4	Ø 10 - 180	1.5 - 4	1.5 - 4	No	Yes	5 50	1 1	**48005189** **48016189**	045242082902 045242084883
90	1.8	14	S422BF	1.5 - 6	1.5 - 6	-	1.5 - 4	-	Yes	No	5	1	**48005162**	045242082803
100	1.8	14	S522BF	3 - 10	-	Ø 10 - 50	3 - 10	2 - 4	No	No	5	1	**48005181**	045242082827
150	1.8	14	S922BF	3 - 10	-	Ø 10 - 100	3 - 10	2 - 4	No	No	5 50	1 1	**48005182** **48016182**	045242082834 045242084722
150	1.8	14	S922BF	3 - 10	-	Ø 10 - 100	3 - 10	2 - 4	No	No	5	1	**48004182**	045242081035
230	1.8	14	S1122BF	3 - 10	-	Ø 10 - 160	3 - 10	2 - 4	No	No	5 50	1 1	**48005187** **48016187**	045242082889 045242084869
230	1.8	14	S1122BF	3 - 10	-	Ø 10 - 160	3 - 10	2 - 4	No	No	5	1	**48004187**	045242080991

Wood and plastics

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	-	6 - 100	No	Yes	3	1	**48001075**	045242079810
												
150	4.2	6	S744D	6-50	-	6-50	Yes	No	3	1	**48001076**	045242079827
												
230	4.2	6	-	6 - 190	6 - 190	6 - 100	No	Yes	5	1	**48005016**	045242082636
												
240	5.5/6	4/5	S1531L	15 - 190	15 - 190	-	No	No	3 50	1 1	**48001077** **4932478111**	045242079834 4058546340445
												
240	8.5	3	S1542K	15 - 190	-	-	No	No	3	1	**48001078**	045242079841
												
275	4.2	6	-	6 - 200	6 - 200	-	No	No	2	1	**4932471693**	4058546295929
												
300	4.2	6	S1344D	6 - 250	-	-	No	No	3	1	**48001079**	045242079858

SAWZALL™ blades for special materials

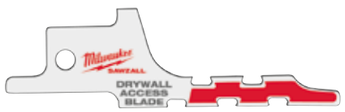
Special application: Ductwork blade



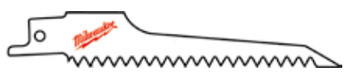
Plunge tip - fast plunging in materials < 0.6 mm. No need for extra tools.
Versatility - tapered blade body profile allows for tight radius cutting and square cuts.
Longlife - optimized tooth geometry 30 tpi for cutting thin material 0.6 - 1.5 mm. Most common spiral duct is 0.8 mm thick.

Blade length (mm)	Tooth pitch (mm)	Teeth per inch	Pack quantity	Min. order quantity	Article Number	EAN Code
85	0.8	30	5	1	**48001630**	045242300174

Special application: Drywall / plasterboard blade



Precise depth of cut - only 63 mm long, protects from unintentional cuts in pipes or wiring.
Double sided teeth - cuts in ALL directions - produces less dust than 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	**48001640**	045242300181
								
125	4.2	6	Yes	Yes	5	1	**48005052**	045242082735

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	Coarse grit		-	Ø 10 - 160	Ø 10 - 160	3 - 175	-	-	1	1	**48001450**	045242187416
												
150	Coarse grit		-	Ø 10 - 100	Ø 10 - 100	3 - 100	-	-	3	1	**48001420**	045242081950
												
230	Coarse grit		S1130R	Ø 10 - 160	Ø 10 - 160	3 - 175	-	-	3	1	**48001430**	045242082001
												
305	8.5	3	S1241HM	-	-	6 - 150	10 - 250	-	1	1	**48001080**	045242079865
												
450	17.0	1.5	-	-	-	6 - 150	10 - 350	10 - 350	1	1	**48001460**	045242235353

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

											
300	4.2	6	S1211K				1	1	**48001082**	045242079889	
											
400	4.2	6	-				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
	SAWZALL™ blade set (5pc)				
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	**49222205**	045242536528
	SAWZALL™ carbide demolition blades set (5pc)				
②	Wood with nails: 2 x AX™ carbide - 230 mm. Metal: 2 x TORCH™ carbide - 150 mm, 1 x TORCH™ carbide - 230 mm	5	1	**49222206**	045242567492
	SAWZALL™ blade set (10pc)				
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	**49222211**	045242536856
	SAWZALL™ blade set (12pc)				
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	**49222229**	045242536863
	SAWZALL™ blade set (13pc)				
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	**49222231**	045242540686

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System accessories - SAWZALL™

Description	Fits SAWZALL	Pack quantity	Min. order quantity	Article Number	EAN Code
Conversion kit: to convert FIXTEC blade reception models to keyed blade reception to accept 20 mm reception blades	SSE 1000 QX,SSPE 1000 QX,SSH 800 QX Hatchet,PSH 18v hatchet,V18 SX,SSPE 1300 QX,M18 FUEL™ SAWZALL,USE 980 X,V28 SX,SSPE 1500 X				
Clamp		1	1	**42680685**	
Screw		1	1	**06832976**	
Allen key 5/32"		1	1	**49960070**	045242221554
Conversion kit: to convert FIXTEC blade reception models to keyed blade reception to accept 1/2" universal reception blades	SSE 1000 QX,SSPE 1000 QX,SSH 800 QX Hatchet,PSH 18v hatchet,V18 SX,SSPE 1300 QX,M18 FUEL™ SAWZALL,USE 980 X,V28 SX,SSPE 1500 X				
Clamp		1	1	**49225016**	045242182060
Screw		1	1	**06832976**	
Allen key 5/32"		1	1	**49960070**	045242221554
Transport case for sabre saws / SAWZALL™	V18 SX,V28 SX	1	1	**201602001**	4002395836383
Cases supplied with latches and foam insert. Size 1 (L x W x H) 475 x 358 x 132 mm	PSH 18v hatchet	1	1	**4932453385**	4002395146376

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	**49005460**	045242160273		
														
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 mm scraper: for removing strong adhesive silicon, caulk, paint and rust.													
75	-	-	-	-	-	-	-	-	1	1	**49005456**	045242219476		
	125 mm wide scraper: for removing glue, silicon, caulk, vinyl, rust, paint and wallpaper.													
125	-	-	-	-	-	-	-	-	1	1	**49005455**	045242293421		
	Grout removal blade: for removing damaged or moulded grout between tiles.													
60	-	-	-	-	-	-	-	-	1	1	**49005450**	045242221066		
														
HACKZALL™ blade set (10 pc) 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.

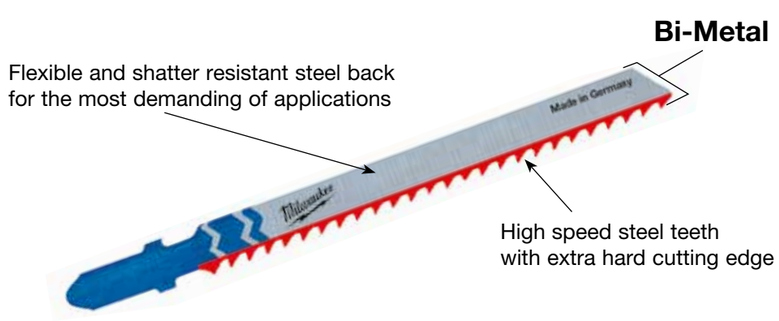
HSS
- High Speed Steel blades are suited to cutting metal, non ferrous metal and aluminium.

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.



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.

Shank receptions

T-Shank blades
- Suitable for most major brands.
  AEG, Bosch, DeWalt, Festool, Hitachi, Hilti, Mafell, Makita, Metabo, MILWAUKEE®, Ryobi.



Special shank blades
- We do also offer a range of the most popular blades with either the Makita, or U-Shank reception.

U-Shank: for Black & Decker, Kress, Ryobi, Skil



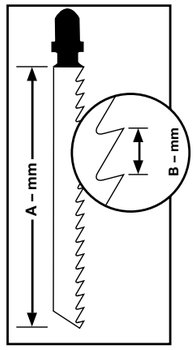
Packaging



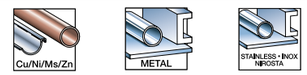
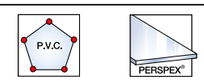


- Common blades are available in 5 and bulk 25 pack quantities. Our 25 pack packaging is reusable allowing for blades to be removed and returned easily.
- Our colour system on the blades is also featured on our packaging in conjunction with our pictograms to ensure you have the right blade for the application.

Technical tips



- The blade length represents the section of the blade with cutting teeth (A–mm).
  The tooth pitch is measured in millimetres (mm) from tooth point to tooth point (B–mm).
  Selecting the correct tooth pitch is dependent on the thickness of material being cut.
  The golden rule is to have three teeth in contact with the material being cut at all times; this is the optimum, as a guidance for thick material such as metals over 4 mm thickness a tooth pitch of 2 mm or more is recommended.
  For metals with a thickness of 1.5–3.5 mm a tooth pitch of 1.2 to 1.4 is desirable.
  When cutting thin metal sheet material below 1.5 mm a tooth pitch of 0.7 to 1.2 mm is recommended.
  The general rule when cutting wood is the higher the tooth pitch the faster and rougher/coarser the cut will be.
- When cutting extremely thin sheet material it is recommended to place the material onto a thicker backing to prevent the sheet material from breaking.
- We recommend the use of a cooling lubricant to extend the life of the saw blade when cutting metals and plastics.

Material	Coolant
	Cutting oil
	Turpentine
	Water

Jigsaw blades for wood and plastic



Traditional blades

Traditional blades that deliver good and solid performance.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
2743 53															
50	2	T 119 B	< 20	-	< 20	Yes	-	No	No	No		5	1	**4932274353**	4002395301553
2540 71															
75	3	T 111 C	5 - 50	-	< 40	-	Yes	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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
3493 78															
50	1.35	T 101 AO	< 20	< 20	< 15	Yes	No	Yes	No	No		5	1	**4932373392**	4002395348879
2746 50															
50	2	T 119 BO	< 20	-	< 20	Yes	No	Yes	No	No		5	1	**4932274650**	4002395301485
4301 43 CURVE															
75	2.5	Curve	< 30	< 20	< 20	Yes	No	Yes	No	Yes		5	1	**4932430143**	4002395378043
2653 12															
75	4 / 1.2	Special	< 30	-	< 30	No	Yes	Yes	No	No		5	1	**4932265312**	4002395301478
3460 78															
75	4	T 244 D	< 50	-	-	No	Yes	Yes	No	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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
2131 16															
75	4	T 144 D	< 50	-	-	No	Yes	No	No	Yes		5	1	**4932213116**	4002395301492
												25	1	**4932373487**	4002395349272
												100	1	**4932430461**	4002395381227
3733 91 BI-METAL															
Bi-Metal 75	4	T 144 DF	<50	-	-	No	Yes	No	No	Yes		5	1	**4932373391**	4002395348862
3116 33															
105	4	T 344 D	<80	-	-	No	Yes	No	No	Yes		5	1	**4932311633**	4002395301508
3547 45															
155	4	T 744 D	5-125	-	-	No	Yes	No	No	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
4301 41 3-CUT															
3 cut 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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
2540 61															
75	2.5	T 101 B	< 30	< 60	No		< 30	Yes	No	No	No	5	1	**4932254061**	4002395301522
												25	1	**4932373489**	4002395349296
3733 90 BI-METAL															
Bi-Metal 75	2.5	T 101 BF	< 30	< 60	No		< 30	Yes	No	No	No	5	1	**4932373390**	4002395348855
2743 51															
75	4	T 101 D	< 50	< 60	No		< 45	Yes	No	No	No	5	1	**4932274351**	4002395301515
												25	1	**4932373490**	4002395349906
3993 06															
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
3460 71															

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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
3730 80															
75	4	T 101 DP	< 60	< 60	No		< 45	Yes	No	No	Yes	5	1	**4932373080**	4002395346073
3733 88															
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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
3460 79															
75	2.5	T 101 BR	< 30	< 60	No		< 60	Yes	No	No	No	5	1	**4932346079**	4002395312382
3480 72															
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.

Blade length (mm)	Tooth pitch (mm)	Ref. No.										Pack quantity	Min. order quantity	Article Number	EAN Code
3733 92															
50	1.35	T 101 AO	< 20	No		< 20	< 15	Yes	No	Yes	No	5	1	**4932373392**	4002395348879
3730 83 BI-METAL															
60	1.9	Special	3 - 20	Yes		Yes	-	Yes	No	No	No	5	1	**4932373083**	4002395346080

Jigsaw blades for metal



Traditional blades

Blade reference 4939274652 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.	METAL	Cu/Ni/Ms/Zn		STAINLESS + INOX NIROSTA	ALU	P.V.C.	PERSPEX®		Pack quantity	Min. order quantity	Article Number	EAN Code
	55	0.7	T 118 G	0.5 - 2	0.5 - 2	-	-	-	-	-	No	5	1	**4932274652**	4002395301621
	55	1.2	T 118 A	1.5 - 4	1.5 - 4	-	-	-	-	-	No	5 25	1 1	**4932254063** **4932373486**	4002395301614 4002395349265
Bi-Metal 	55	1.2	T 118 AF	1.5 - 4	1.5 - 4	-	1.2 - 2	-	-	-	No	5	1	**4932340011**	4002395304684
	66	1.2	T 118 A	1.5 - 4	1.5 - 4	-	-	-	-	-	No	5	1	**4932345826**	4002395313464
	105	1	T 318 A	1 - 4	1 - 4	< 85	-	-	-	-	No	5	1	**4932399307**	4002395359219
	55	2	T 118 B	3 - 6	3 - 6	-	-	3 - 10	-	-	No	5	1	**4932254064**	4002395301591
	55	2	T 118 BF	3 - 6	3 - 6	-	2 - 3	3 - 10	-	2 - 30	No	5	1	**4932340012**	4002395304691
Bi-Metal 	75	2.5	T 101 A	-	2 - 10	< 45	-	3 - 10	-	2 - 20	No	5	1	**4932274651**	4002395301577

Universal application blades

These blades are suitable for cutting a wide variety of materials ranging from mild 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.

	Blade length (mm)	Tooth pitch (mm)	Ref. No.	METAL	Cu/Ni/Ms/Zn		STAINLESS + INOX NIROSTA	ALU	P.V.C.	PERSPEX®		Pack quantity	Min. order quantity	Article Number	EAN Code
Bi-Metal TWIN CUT 	91	2.5 / 1.8	T 123 XF	2.5 - 10	3 - 10	< 50	-	4 - 10	-	-	No	5	1	**4932430142**	4002395378036
Bi-Metal 	105	1.2	T 318 AF	1.5 - 4	1.5 - 4	< 85	-	-	-	-	No	5	1	**4932274654**	4002395301607
Bi-Metal 	105	2	T 318 BF	3 - 6	3 - 6	< 85	-	3 - 10	4 - 30	-	No	5	1	**4932274653**	4002395301584
Bi-Metal 	155	1	T 718 AF	1 - 4	1 - 4	< 125	-	-	-	-	No	5	1	**4932373086**	4002395346097

Curve cutting blades

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

	Blade length (mm)	Tooth pitch (mm)	Ref. No.	METAL	Cu/Ni/Ms/Zn		STAINLESS + INOX NIROSTA	ALU	P.V.C.	PERSPEX®		Pack quantity	Min. order quantity	Article Number	EAN Code
	55	1.2	T 218 A	1.5 - 4	1.5 - 4	-	-	-	-	-	Yes	5	1	**4932346082**	4002395312368
	75	3	T 227 D	3.5 - 6	3.5 - 6	-	-	4 - 15	4 - 30	-	Yes	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.	METAL	Cu/Ni/Ms/Zn		STAINLESS + INOX NIROSTA	ALU	P.V.C.		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.	METAL	Cu/Ni/Ms/Zn		STAINLESS + INOX NIROSTA	ALU	P.V.C.		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
	50	1.4	T 118 EHM	2 - 5	2 - 5	-	2 - 5	-	-		2	1	**4932373394**	4002395348893

Jigsaw blades for special materials

Special applications: Fibreglass / reinforced plastics / acrylic glass

Blade 4932373387 has tungsten carbide teeth for longer lifetime in hard materials such as fibreglass.

	Blade length (mm)	Tooth pitch (mm)	Ref. No.	Cu/Ni/Ms/Zn				P.V.C.	PERSPEX®				Pack quantity	Min. order quantity	Article Number	EAN Code
Bi-Metal 	75	2.5	T 101 A sp.	2 - 10	-	No	No	-	2 - 20	-	No	-	No	5	1	**4932274651**	4002395301577
	75	4.2	T 141 HM	-	-	No	No	5 - 20	-	5 - 20	No	-	Yes	1	1	**4932399308**	4002395359226
	105	4.2	T 341 HM	-	< 60	No	No	5 - 20	-	5 - 20	No	-	No	1	1	**4932373387**	4002395348824

Special application: Abrasive materials / cast iron

	Blade length (mm)	Tooth pitch (mm)	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
Jigsaw blades set (5pc) - suitable for applications in wood and metal Jigsaw blade 4932213116, 4932254061, 4932254063, 4932254064, 4932254071	5	1	**4932345825**	4002395314850



System accessories - Jigsaws

Description	HD18 JS/JSB BST 18 X Li JS 120 x JSPE 135 TX STEP 1200 BX/X JSPE 90 X FSPE 11 X BSPE 110 QX STEP 800 X ST 800 XE V28 JSB	STEP 70 STEP 75 ST 700 E STEP 90 X STEP 100 X FSPE 100 XL BSPE 100 XL	Pack quantity	Min. order quantity	Article Number	EAN Code
① Gliding shoe for materials with delicate surfaces	•		1	1	**4932430356**	4002395380176
		•	1	1	**4932430834**	4002395384969

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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

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
								10	48906004
 Wood 35mm plunge cut blade with 3 cut tooth geometry for fast and clean cuts.	✓	✓	✓					1	48906011
								10	48906014
 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
								10	48906019
 Wood with nails 35mm plunge cut Bi-Metal blade for long-life.	✓		✓	✓				1	48906021
								10	48906024
 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
								10	48906034
 Multi Material 43mm plunge cut Bi-Metal blade for long-life.	✓	✓	✓	✓	✓			1	48906035
 Multi Material 35mm 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	GRIT	Pack quantity	ART.#
Perforated sanding discs for wood, paint,lacquer and plaster 93x93x93mm.	60	6	48906071
	80	6	48906072
	120	6	48906073
	180	6	48906074
	220	6	48906075

Multi-Tool accessories - STARLOCK reception

NEW

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

	Description	Width (mm)	Length (mm)	Soft wood	Hard Wood	Plastics	Wood with Nails	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
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
⑥	Wood with nails 35 mm plunge cut Bi-Metal blade for long life	35	42	✔	✔	✔	✔	1	1	**48906021**	045242600359
								10	1	**48906024**	045242600366
⑦	Wood with nails 65 mm plunge cut Bi-Metal blade for long life	65	42	✔	✔	✔	✔	1	1	**48906027**	045242600373
⑧	Multi Material 28 mm plunge cut Bi-Metal blade for long life	28	47	✔	✔	✔	✔	1	1	**48906031**	045242600380
								10	1	**48906034**	045242600397
⑨	Multi Material 43 mm plunge cut Bi-Metal blade for long life	43	47	✔	✔	✔	✔	1	1	**48906035**	045242600403
⑩	Multi Material 35 mm plunge cut carbide toothed blade for extra long life (30x life than standard blades)	35	32	✔	✔	✔	✔	1	1	**48906040**	045242600458
⑪	Multi Material 85 mm diameter segmented flush cut blade	85	20	✔	✔	✔	✔	1	1	**48906038**	045242600410
⑫	Multi Material 100 mm diameter segmented flush cut Bi-Metal blade for long life	100	28	✔	✔	✔	✔	1	1	**48906039**	045242600427
⑬	Grout removal 2.2 mm carbide grit blade. For removing damaged grout between wall or floor tiles	75	20					1	1	**48906051**	045242600441
⑭	Grout removal 1.2 mm carbide grit blade. For removing damaged grout between wall or floor tiles	75	20					1	1	**48906050**	045242600434
⑮	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
⑯	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
⑰	Rasp with carbide grit for rough sanding and smoothing of tile adhesive, mortar and wood	80	80	✔				1	1	**48906054**	045242600496
⑱	Flexible scraper for removal of soft residues like silicone, acrylic, carpet adhesive and old paint	52	37					1	1	**48906061**	045242600540
⑲	Firm scraper for removal of hard residues like hard adhesives, tile adhesives, concrete residues and old paint	52	37					1	1	**48906062**	045242600557
⑳	Flexible cutter/scraper for silicone and soft window putty material	70	-					1	1	**48906063**	045242600564
㉑	Knife with 3 cutting edges. For cutting carpet, PVC flooring, cardboard and roofing felt	40	-					1	1	**48906060**	045242600519
㉒	Sanding pad 93 x 93 mm - Hook & Loop	93	93					1	1	**48906070**	045242600571
				Grit							
	Sanding paper pack (6pc) - Hook & Loop			60				6	1	**48906071**	045242600588
	Sanding paper pack (6pc) - Hook & Loop			80				6	1	**48906072**	045242600595
	Sanding paper pack (6pc) - Hook & Loop			120				6	1	**48906073**	045242600601
	Sanding paper pack (6pc) - Hook & Loop			180				6	1	**48906074**	045242600618
	Sanding paper pack (6pc) - Hook & Loop			240				6	1	**48906075**	045242600632
	Renovation set (8pc)										
㉓	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
	General multi-tool blade set (11pc)										
㉔	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

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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



ALTERNATE TOOTH BEVEL



TRIPLE TOOTH CHIP AND FLAT FORM



DIAMOND FLAT TOOTH

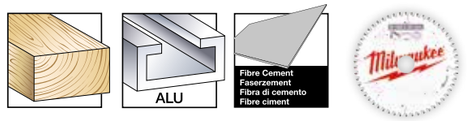
Circular saw blades for hand held circular saws

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. 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	Thin Kerf*	All Wood Types*	Abrasive Particleboard, Fibre-cement 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
160	20	24	2.2	+15°	ATB		✔				✔		1	1	**4932471290**	4058546289188
		48	2.2	+5°	ATB		✔					✔	1	1	**4932471291**	4058546289195
		52	2.2	-5°	TF				✔	✔		✔	1	1	**4932471292**	4058546289201
		4	2.2	+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	24	1.6	+15°	ATB	✔	✔				✔		1	1	**4932471931**	4058546298302
		40	1.6	+18°	ATB	✔	✔					✔	1	1	**4932471932**	4058546298319
		24	2.2	+15°	ATB		✔				✔		1	1	**4932471294**	4058546289225
		48	2.2	+5°	ATB		✔					✔	1	1	**4932471295**	4058546289232
		52	2.2	-5°	TF				✔	✔		✔	1	1	**4932471296**	4058546289249
165	30	24	1.8	+15°	ATB	✔	✔				✔		1	1	**4932399909****	4002395365647
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
		36	1.6	+15°	ATB	✔	✔				✔		1	1	**4932471301**	4058546289294
		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
210	30	16	2.4	+15°	ATB	✔	✔				✔		1	1	**4932471324**	4058546289522
		48	2.8	+10°	ATB	✔	✔					✔	1	1	**4932471325**	4058546289539
		24	2.4	+15°	ATB		✔				✔		1	1	**4932471305**	4058546289331
235	30	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

*Thin Kerf: Cordless optimised, extra thin cutting width for maximum runtime
*All wood types: Soft/ hardwood, plywood, laminated chipboard, melamine, MDF
**Standard blades without PTFE coating and vibration slots

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	Thin Kerf*	All Wood Types*	Abrasive Particle-board, Fibre-cement Board, Fiber-glass*	Plastics	Non ferrous metals profiles alu	Fast cut	Clean Cut	Pack quan-tity	Min. order quan-tity	Article Number	EAN Code
190	30	40	2.4	-5°	ATB	✔	✔				✔		1	1	**4932471314**	4058546289423
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
		80	2.4	-5°	TF				✔	✔		✔	1	1	**4932471319**	4058546289478
250	30	40	2.8	+15°	ATB		✔				✔		1	1	**4932472015**	4058546324117
		60	2.8	+15°	ATB		✔					✔	1	1	**4932472016**	4058546324124
254	30	60	3.0	-5°	ATB		✔				✔		1	1	**4932471320**	4058546289485
		80	3.0	-5°	TF				✔	✔		✔	1	1	**4932471318**	4058546289461
305	30	60	3.0	-5°	ATB		✔				✔		1	1	**4932471321**	4058546289492
		100	3.0	-5°	ATB		✔					✔	1	1	**4932471322**	4058546289508
		96	3.0	-5°	TF				✔	✔		✔	1	1	**4932471323**	4058546289515

*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.

Blade diameter (mm)	Bore size (mm)	No. of teeth	Cutting width (kerf) (mm)	Hook Angle	Tooth Form	Thin Kerf*	All Wood Types*	Abrasive Particle-board, Fibre-cement Board, Fiber-glass*	Plastics	Non ferrous metals profiles alu	Fast cut	Clean Cut	Pack quantity	Min. order quan-tity	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

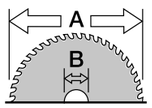
Circular saw blades for metal

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.



Ø mm

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 stee l panels up to 2.5mm	Steel tube	Steel pipe	Angle iron	Steel channel	Stainless steel sheets	Cast iron	Copper	Aluminium	Rebar	Sandwich material (steel, foam, panels)	Article Number	EAN Code
135	20	30	1.6	1-2.5	✔	✔	✔	✔	✔	✔	✔	♦	✘	✘	✘	✘	✔	**48404070**	045242233786
		50	1.6	1-2.5	✘	✘	✘	✘	✘	✘	✘	✘	✘	✔	✔	✘	♦	**48404075**	045242233793
150	20	34	1.6	>2.5	✔	✔	✔	✔	✔	✔	✔	♦	✘	✘	✘	✘	✔	**48404215**	045242568994
165	5/8“	48	1.6	1-2.5	✔	✔	✔	✔	✔	✔	✔	✘	✘	✘	✘	✘	✔	**48404220**	045242569069
174	20	60	1.6	1-2.5	✔	✔	✔	✔	✔	✔	✔	✘	✘	✘	✘	✘	✘	**48404225**	045242569052
203	5/8“	42	1.8	>2.5	✔	✘	✘	✔	✔	✔	✔	✘	✘	✘	✘	✘	✘	**48404515**	045242134465
		50	1.8	1-2.5	✔	✔	✔	✔	✔	✔	✔	♦	✘	✘	✘	✘	✔	**48404520**	045242134472
		58	2.4	>2.5	✘	✘	✘	✘	✘	✘	✘	✘	✘	✔	✔	✘	♦	**48404345**	045242569113
		70	1.6	0.5-1.5	✔	✔	✔	✔	✔	✔	✔	♦	✘	✘	✘	✔	✔	**4932478815**	4058546360979

✔ 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 a 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 Tooth pitch 2.3/1.8 mm	10 Tpi Tooth pitch 2.5 mm	12/14 Tpi Tooth pitch 1.8/1.4 mm	14 Tpi Tooth pitch 1.8 mm	18 Tpi Tooth pitch 1.4 mm	25 Tpi Tooth pitch 1 mm
FOR CUTTING STOCK 5 to 13 mm	FOR CUTTING STOCK 8 to 13 mm	FOR CUTTING STOCK 4 to 8 mm	FOR CUTTING STOCK 5 to 8 mm	FOR CUTTING STOCK 4 to 5 mm	FOR CUTTING STOCK < 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 bandsaw blade 687.57 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

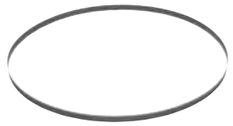


Bi-Metal bandsaw blades

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

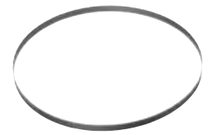
Bandsaw blade 1139.83 x 12.7 x 0.51 mm (Corded & M18 FUEL™)

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 687.57 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





SPEEDCROSS

MILWAUKEE® SPEEDCROSS DIAMOND BLADES ARE ENGINEERED FOR ALL CONSTRUCTION SITE PROFESSIONALS WHO DEMAND ONLY THE BEST IN PERFORMANCE WHEN WORKING IN THE TOUGHEST ENVIRONMENTS.



Segments
High diamond concentration with special aggressive geometry gives a high cutting performance.
Laser welded segments for 100% user safety.

Precision engineered blade body
Pre-tensioned and hardened blade body for perfect concentration and maximum resistance to heat build up.

Cool cutting slots
The slots and holes improve the airflow keeping the cutting temperature of the segments to a minimum. This safeguards the segments from heat damage and allows the user to cut more and quicker.

Noise reduction qualities
Perfect balance and concentration suppress cutting noise.

Low vibration
The tensioned blade body eliminates wobble and minimises vibration.

DIAMOND PREMIUM BLADES
MAXIMUM SPEED AND LIFETIME!

SPEEDCROSS

MAXIMUM SPEED, LONG LIFE, LOW VIBRATION!

- Universal blades for a variety of materials
- Classed into two categories for maximum lifetime
- 10 mm segments height (STEELHEAD™: 4mm) to ensure long lifetime
- Laser welded segments for best performance
- Low vibration



HUDD
HARD UNIVERSAL



AUDD
ABRASIVE UNIVERSAL

Application areas

The Speedcross blades are both universal in application but their best performance is achieved at different ends of the spectrum.
The HUDD is predominantly a blade for very hard to medium-hard general building materials, the harder the material the better the performance. Alternatively the AUDD is most suitable for hard materials to soft / abrasive materials, its best performance is achieved when used in standard hardness concrete and general building materials.

Hard materials — Soft / Abrasive materials

Natural stone / granite	Hard concrete	Medium strength concrete	General building materials	Brick	Soft / green concrete	Asphalt
HUDD	HUDD	HUDD	HUDD	HUDD	HUDD	
	AUDD	AUDD	AUDD	AUDD	AUDD	AUDD

HUDD AUDD

Speedcross diamond blades make the perfect match for the MX FUEL 350mm Cut Off Saw

Speedcross HUDD





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 350*	**350**	**25.4**	**8**	**2.6**	**1**	**1**	**4932471985**	**4058546298845**

Speedcross AUDD





*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**	**4058546298869**

Speedcross STEELHEAD™

STEELHEAD™ is most suitable for steel and stainless steel. Also suitable for heavily reinforced concrete
High density of special brazed diamonds ensure a very aggressive cutting progress
Due to the versatility and the outstanding performance the diamond disc is also perfect for fire brigades and for rescue operations



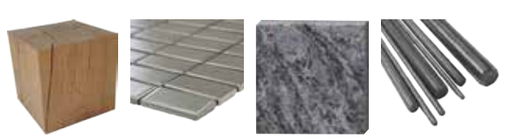


Type	Disc diameter (mm)	Bore size (mm)	Segment height (mm)	Cutting width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
STEELHEAD™ 350	350	25.4	4	2.8	1	1	**4932471988**	4058546298876

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

Diamond blades DUT

A general purpose turbo rimmed blade for cutting a wide variety of general building materials. The turbo rim ensures clean chip free cuts.





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

Diamond blades DUH

A trade laser welded quality blade with exceptional performance in hard materials such as hard concrete, block paviors and masonry products.



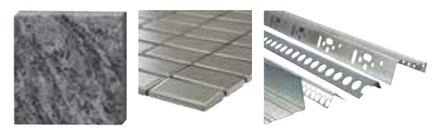


Type	Disc diameter (mm)	Bore size (mm)	Segment height (mm)	Cutting width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
DUH 115	115	22.23	10	2.2	1	1	**4932399539**	4002395361861
DUH 125	125	22.23	10	2.3	1	1	**4932399540**	4002395361878
DUH 180	180	22.23	10	2.4	1	1	**4932399541**	4002395361885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

Diamond blades DHTS

A trade quality turbo blade with extra thin body for very fast, precise and chip free cuts in thin materials such as granite, marble slabs and tiles (type: porcelain, gres, ceramic).
Due to the high quality of this blade it is also suitable for cutting most building materials.





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

Diamond blades DHTi

Specifically designed turbo rimmed blade for clean cut edges in ceramic tiles and thin natural stone tiles / slabs.





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

Diamond blades DSU

A trade quality universal blade, specially designed for hard and abrasive materials.
Laser welded segments provide long lifetime and excellent cutting performance. Recommended for use with wall chasers.





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

Diamond blades DU

A general purpose blade offering good performance in speed and lifetime in a wide variety of construction materials.





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

Diamond blades: Which diamond cutting blade for which material?

Material \ Type	Speedcross Premium			Professional					
	HUDD	AUDD	STEEL-HEAD™	DU	DUT	DUH	DHTS	DHTi	DSU
Abrasive refractory materials	◆	✔							
Aerated concrete/breeze blocks	◆	✔		✔	✔	✔			◆
Artificial stone	✔				✔	✔			✔
Artificial stone – hard	✔					✔	✔	◆	✔
Asphalt		◆							
Basalt	✔	✔			✔	✔			✔
Brick – very hard, engineering brick	✔				◆	✔			✔
Brick – medium to hard	✔			◆	◆	✔			✔
Brick – medium to soft	✔	✔		◆	◆	◆			✔
Concrete – hard	✔	◆	◆			✔			✔
Concrete – medium	✔	✔		✔	✔	✔			✔
Concrete – soft/green	◆	✔							◆
Concrete with flint aggregate	◆	✔							
Concrete with flint and rebar	◆	✔							
Concrete kerbstones	✔	✔	◆			✔			✔
Concrete lintels	✔	◆				✔			✔
Concrete block paviors	✔	✔		◆	◆	✔			✔
Concrete tiles	✔	✔		✔	✔	✔	◆		✔
Concrete reinforced with rebar	✔	◆	◆	◆	◆	✔			✔
Concrete slabs	✔	◆				✔			✔
Concrete slabs with aggregate	✔	✔			◆	✔			✔
Fireclay	✔	✔				✔			✔
General building materials	✔	✔	◆	✔	✔	✔			✔
Gneiss	✔					◆			◆
Granite	✔				✔	✔			✔
Granite tiles/slabs	◆				✔	◆	✔		◆
Lime/sandstone blocks – hard	✔	✔				✔			✔
Lime/sandstone blocks – medium	✔	✔		◆	◆	✔			
Lime/sandstone – soft/abrasive	◆	✔		◆	◆	◆			◆
Marble tiles/slabs	◆				✔	◆	✔	◆	✔
Metal channel/profiles							◆		
Poroton	✔	✔		✔	✔	✔			✔
Porphyry	✔				◆	✔	✔		✔
Roof tiles – clay	✔	◆		◆	✔	◆	✔		✔
Roof tiles – concrete	✔	✔			✔	◆	✔		✔
Screed	◆	✔		◆	◆	◆			◆
Slate	✔	◆		◆	✔	✔	✔		◆
Stoneware/clay tiles	✔	✔			✔	✔			✔
Tiles – ceramic					◆		✔	✔	
Tiles – porcelain and gres type					◆		✔	◆	
Tiles – terrazo type	✔	◆			✔	✔	✔		✔

✔ Most suitable. Recommended for these materials. Very long service life and very good cutting characteristics.
◆ Suitable. Recommended for intermittent use in these materials. Good service life and cutting characteristics.

Combi-segment diamond cup wheels

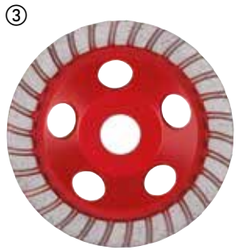
All arounder in applications:

For quick grinding down of thick concrete layers.
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.
Large openings for better dust removal and segment cooling.

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	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
	DCWU 100									
①	Universal wheel for grinding and levelling applications. High stock removal	100	22.23	16	21	5	1	1	**4932451185**	4002395138739
	DCWU 125									
②	Universal wheel for grinding and levelling applications. High stock removal	125	22.23	20	21	5	1	1	**4932451186**	4002395138746
	DCWUT 125									
③	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
	DCWS 125									
④	PCD segment for removal of special substances: thermoplastic and expoxy based coatings, acrylic paint, glue, tile adhesive, screed, plaster	125	22.23	6	18.5	4 / 7	1	1	**4932451188**	4002395138760

	DCWU 100	DCWU 125	DCWUT 125	DCWS 125
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.

System accessories - Wall chasers

AUDD blade is a perfect solution for 80% of wall chaser applications.
- 30% less loading on the machine compared to the MILWAUKEE® DU blade.
- 40% higher speed of cut compared to the MILWAUKEE® DU blade.

SPEEDCROSS

	① HUDD	② AUDD	③ DSU
Abrasive refractory materials	♦	✔	
Aerated and breeze concrete blocks	♦	✔	♦
Brick medium to soft	✔	✔	✔
Concrete medium	✔	✔	✔
Concrete reinforced with rebar	✔	♦	✔
Concrete with flint and rebar	♦	✔	
Fireclay	✔	✔	✔
General building materials	✔	✔	✔
Granite	✔		✔
Lime and sandstone blocks soft and abrasive	♦	✔	♦
Lime and sandstone blocks medium	✔	✔	
Screed	♦	✔	♦

✔ Maximum performance ♦ Limited suitability - recommended for intermittent use

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	Description	Fits wall chasers		Pack quantity	Min. order quantity	Article Number	EAN Code
	Transport case for wall chasers	MFE 1500,MFE 1305,MF 1900	WCE 30,WCS 45,DME 30,DME 45	1	1	**4932383357**	4002395357390
④	Two hole spanner straight	MFE 1500,MFE 1305,MF 1900	DME 30,DME 45,WCS 45,DME 65,WCE 65,WCE 30	1	1	**4932367712**	4002395338467
⑤	T-handle key	MFE 1500,MFE 1305,MF 1900	WCE 30,WCS 45,WCE 65,DME 30,DME 45,DME 65	1	1	**4931362928**	4002395661879
	Dust protection grille against entry of ground particles	MFE 1500,MFE 1305,MF 1900	WCE 30,WCS 45,DME 30,DME 45	1	1	**4932329397**	4002395303892
⑥	Dust protection grille against entry of ground particles		WCE 65,DME 65	2	1	**4932326525**	4002395303311
	Adaptor with bayonet fitting for direct connection of hose to machine	MFE 1500,MFE 1305,MF 1900	WCE 30,WCS 45,WCE 65,DME 30,DME 45,DME 65	1	1	**4932362778**	4002395334285
⑦	Side handle	MFE 1500,MFE 1305,MF 1900	WCE 30,WCS 45,DME 30,DME 45	1	1	**4932409546**	4002395370870
	Flange nut	MFE 1305	DME 1300	1	1	**4932334667**	4002395304448
	Clamping flange	MFE 1305	DME 1300	1	1	**4932334706**	4002395304455
	Spacer set. Contents 6 rings	MFE 1305		6	1	**4931334675**	4002395762804

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Cutting and grinding discs

MILWAUKEE® Type – how to find the right disc

S C 41 / 115

Material	Application	Design	Diameter
S = Steel C = Stone	C = Cutting G = Grinding CS = Cutting Slim L = Flap LC = Flap Ceramic CT = Cutting Thin	flat 41 depressed 42 depressed 27 flap 50	mm / inches 100 / 4 115 / 4½ 125 / 5 150 / 6 180 / 7 230 / 9 350 / 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.

+ 20% LIFETIME*

*vs. MILWAUKEE® contractor series

HYDRO PROTECT

Thin metal cutting discs PRO+

Applications: Iron and sulphur free top line thin cut-off wheels for all steels. Best suitable for stainless (except the 350 x 4 mm) and acid-resistant steel, hardox, heat-resistant cast steel, spring steel, mild and
Characteristics: 50% less cutting time and 50% less dust than standard 3 mm thick discs. Lower material loss.

① 

	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 41 / 125	125	1	22.2	1	50	**4932451487**	4002395163984
	① **Counter display (200 x SCS 41 / 125 discs)**				200	1	**4932451488**	4002395163991
	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

***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...)**

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
	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
	Counter display (200 x SCS 41 / 125 discs)				200	1	**4932451478**	4002395163298
	SCS 41 / 125	125	1.5	22.2	1	25	**4932451479**	4002395163908
	SCS 41 / 230	230	1.9	22.2	1	25	**4932451480**	4002395163915

***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...)**

Thin ductile 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
41	CCS 41 / 350	350	4	25.4	1	10	**4932472264**	4058546339104

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...)**

Carbide Blade

Carbide blade suitable for cutting wood, plastic and plasterboard.

Diameter (mm)	Thickness (mm)	Bore size (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
76	1	10	1	1	**4932464716**	4058546226619



Flap discs

NEW

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.

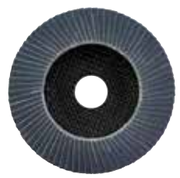


	Type	Disc diameter (mm)	Grit	Bore size (mm)	Backing pad material	Pack quantity	Min. order quantity	Article Number	EAN Code
50	SLC 50 / 115	115	40	22.2	Plastic	1	10	**4932472228**	4058546326241
	SLC 50 / 115	115	60	22.2	Plastic	1	10	**4932472229**	4058546326258
	SLC 50 / 115	115	80	22.2	Plastic	1	10	**4932472230**	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 Zirconium

NEW

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.



	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	Natural Fibre	1	10	**4932472220**	4058546326166
	SL 50 / 115	115	60	22.2	Natural Fibre	1	10	**4932472221**	4058546326173
	SL 50 / 115	115	80	22.2	Natural Fibre	1	10	**4932472222**	4058546326180
	SL 50 / 115	115	120	22.2	Natural Fibre	1	10	**4932472223**	4058546326197
	SL 50 / 125	125	40	22.2	Natural Fibre	1	10	**4932472224**	4058546326203
	SL 50 / 125	125	60	22.2	Natural Fibre	1	10	**4932472225**	4058546326210
	SL 50 / 125	125	80	22.2	Natural Fibre	1	10	**4932472226**	4058546326227
	SL 50 / 125	125	120	22.2	Natural Fibre	1	10	**4932472227**	4058546326234

FIXTEC Nut

FIXTEC: Disc changing in seconds, no extra tools required.
12 seconds from removing the worn disc to fixing a new disc.
Only 8 mm thick, enabling more surface of disc on the material.
Compatible to all manufacturers angle grinders up to Ø 150 mm with standard M14 spindle thread.
With integrated keyholes, for removal of the nut with a standard pin spanner in the event of the nut becoming too tight.







Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Counter display FIXTEC nut - M14 thread	1	12	**4932352473**	4002395371327











FIXTEC Nut XL

FIXTEC: Disc changing in seconds, no extra tools required.
For large angle grinders Ø 180 mm to Ø 230.
12 seconds from removing the worn disc to fixing a new disc.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Counter display FIXTEC Nut for 180 & 230 mm angle grinders - M14 thread	1	12	**4932464610**	4058546225551





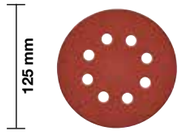


Abrasive discs - Hook & Loop

Perforated sanding discs for wood, metal, paint, lacquer, plaster.
Grit type: fused alumina, half open.
Artificial resin-bonded on special tear resistant paper.

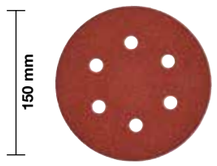
Sanding sheets for random orbital sanders Ø 125 mm - 8 holes

Grit	Paper size diameter (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	125	5	1	**4932367740**	4002395338610
60	125	5	1	**4932367741**	4002395338627
80	125	5	1	**4932367742**	4002395338634
120	125	5	1	**4932367743**	4002395338641
180	125	5	1	**4932367744**	4002395338658
240	125	5	1	**4932367745**	4002395338665
40	125	25	1	**4932371470**	4002395341870
60	125	25	1	**4932371396**	4002395341665
80	125	25	1	**4932371397**	4002395341672
120	125	25	1	**4932371398**	4002395341689
180	125	25	1	**4932371399**	4002395341696
240	125	25	1	**4932371400**	4002395341702



Sanding sheets for random orbital sanders Ø 150 mm - 6 holes

Grit	Paper size diameter (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	150	5	1	**4932371590**	4002395343171
60	150	5	1	**4932371591**	4002395343188
80	150	5	1	**4932371592**	4002395343195
120	150	5	1	**4932371593**	4002395343201
180	150	5	1	**4932371594**	4002395343218
240	150	5	1	**4932371595**	4002395343225
40	150	25	1	**4932371596**	4002395343232
60	150	25	1	**4932371597**	4002395343249
80	150	25	1	**4932371598**	4002395343256
120	150	25	1	**4932371599**	4002395343263
180	150	25	1	**4932371600**	4002395343270
240	150	25	1	**4932371601**	4002395343287

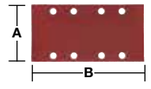


Abrasive sheets - Hook & Loop

Perforated sanding discs for wood, metal, paint, lacquer, plaster.
Grit type: fused alumina, half open.
Artificial resin-bonded on special tear resistant paper.

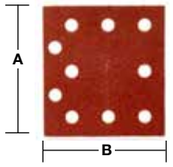
Sanding sheets for orbital sanders 80 x 133 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
60	80 x 133	10	1	**4932351666**	4002395319305
80	80 x 133	10	1	**4932351667**	4002395319312
120	80 x 133	10	1	**4932351668**	4002395319329
180	80 x 133	10	1	**4932351669**	4002395319336
240	80 x 133	10	1	**4932351670**	4002395319343



Sanding sheets for orbital sanders 115 x 107 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
60	115 x 107	10	1	**4932430815**	4002395384761
80	115 x 107	10	1	**4932430816**	4002395384778
120	115 x 107	10	1	**4932430817**	4002395384785
240	115 x 107	10	1	**4932430818**	4002395384792

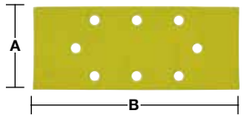


Abrasive sheets - Clamp type

Perforated sanding discs for wood, metal, paint, lacquer, plaster.
Grit type: fused alumina, half open.

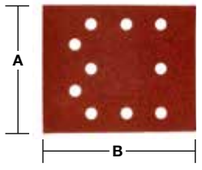
Sanding sheets for orbital sanders 93 x 230 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
50	93 x 230	10	1	**4932305176**	4002395300006
80	93 x 230	10	1	**4932305177**	4002395300013
100	93 x 230	10	1	**4932305178**	4002395300020
150	93 x 230	10	1	**4932305179**	4002395300037



Sanding sheets for orbital sanders 115 x 140 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
60	115 x 140	10	1	**4932430819**	4002395384815
80	115 x 140	10	1	**4932430820**	4002395384822
120	115 x 140	10	1	**4932430822**	4002395384846
240	115 x 140	10	1	**4932430821**	4002395384839

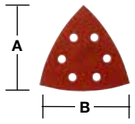


Abrasive sheets - Hook & Loop

Perforated sanding discs for wood, metal, paint, lacquer, plaster.
Grit type: fused alumina, half open.

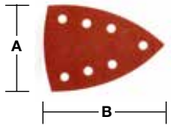
Sanding sheets for delta sanders 105 x 105 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
60	105 x 105	5	1	**4932358492**	4002395324248
80	105 x 105	5	1	**4932358493**	4002395324255
120	105 x 105	5	1	**4932358494**	4002395324262
180	105 x 105	5	1	**4932358495**	4002395324279
240	105 x 105	5	1	**4932358496**	4002395324286



Sanding sheets for delta sanders 100 x 147 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
60	100 x 147	10	1	**4932355140**	4002395319992
80	100 x 147	10	1	**4932355141**	4002395320004
120	100 x 147	10	1	**4932355142**	4002395320011
180	100 x 147	10	1	**4932355143**	4002395320028
240	100 x 147	10	1	**4932355144**	4002395320035

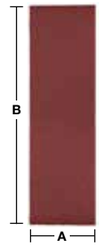


Abrasive belts

Cloth sanding belts for wood, metal, paint, lacqueur, plaster.
Grit type: fused alumina, half open.
Artificial resin-bonded on special fabric.

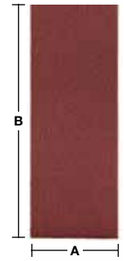
Sanding belts 75 x 533 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	75 x 533	5	1	**4932312475**	4002395301263
60	75 x 533	5	1	**4932312476**	4002395301270
80	75 x 533	5	1	**4932312477**	4002395301287
100	75 x 533	5	1	**4932312478**	4002395301294
150	75 x 533	5	1	**4932312479**	4002395301300
240	75 x 533	5	1	**4932312480**	4002395301317



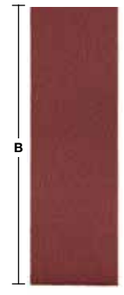
Sanding belts 100 x 560 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	100 x 560	3	1	**4932312099**	4002395300419
60	100 x 560	3	1	**4932312100**	4002395300426
80	100 x 560	3	1	**4932312101**	4002395300433
100	100 x 560	3	1	**4932312102**	4002395300440
150	100 x 560	3	1	**4932312103**	4002395300457
240	100 x 560	3	1	**4932312104**	4002395300464



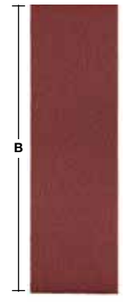
Sanding belts 100 x 610 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	100 x 610	5	1	**4932355066**	4002395319824
60	100 x 610	5	1	**4932355067**	4002395319831
80	100 x 610	5	1	**4932355068**	4002395319848
100	100 x 610	5	1	**4932355069**	4002395319855
150	100 x 610	5	1	**4932355070**	4002395319862
220	100 x 610	5	1	**4932355071**	4002395319879



Sanding belts 100 x 620 mm

Grit	Paper size A x B (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40	100 x 620	5	1	**4932341610**	4002395304882
60	100 x 620	5	1	**4932341611**	4002395304899
80	100 x 620	5	1	**4932341612**	4002395304905
100	100 x 620	5	1	**4932341613**	4002395304912
150	100 x 620	5	1	**4932341614**	4002395304929
220	100 x 620	5	1	**4932341615**	4002395304936



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	½″x20 UNF	371807	344710	
⑤	FIXTEC	½″x20 UNF	399154	357635	
	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	SDS-Plus	½″x20 UNF	367438	337668	
	Chuck adaptor with direct bit reception (¼″ Hex) to accept screwdriving bits. Threaded housing enables adaptor to be tightened to the chuck resulting in no wobble.				
⑦	SDS-Plus	½″x20 UNF	367166	334438	
	Chuck adaptor with retaining screw.				

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	
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	
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	
④	Drilling shroud - PHDE152. For drilling and dry coring from Ø 25 - 152 mm. Brush insert to improve suction and extraction.	1	1	**4932471990**	4058546298890	
	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	

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









Screwdrivers - System attachments

	Description	Fits corded screwdrivers	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Drywall sleeve assembly	DWE 4000 Q, DWSE 4000 Q, TKSE 2500 Q, 6790, 6743	1	1	**49261036**	045242185245
②	Self drill sleeve assembly	TKSE 2500 Q, 6790	1	1	**49261082**	045242185375
	1/4" magnetic bit holder 76 mm	DWE 4000 Q, DWSE 4000 Q, 6743	1	1	**48323065**	045242128600
	1/4" magnetic bit holder 76 mm, requires additionally 49261036 sleeve assembly	TKSE 2500 Q, 6790	1	1	**48323070**	045242128655
③	Hex socket driver set (3pc) Ø 6 / 8 / 10 mm magnetic sockets	TKSE 2500 Q, 6790, TQSE 1200 Q, TQSE 2500 Q, 6580, 6581	3	1	**49663004**	045242207848
④	Collated attachment for M18 FSG		1	1	**4933459202**	4002395289974
⑤	PH2 148 mm drywall screwdriving bit for M18 FSG		3	1	**4932459393**	4058546010546
⑥	Mag / ring drywall bit holder 75 mm for M18 FSG		1	1	**4932459394**	4058546010553
⑦	Offset attachment 1/4" hex M12FPDX		1	1	**4932464481**	4058546224264
⑧	M12 FPDX-RAA Right angle attachment for drilling and screwdriving applications in confined spaces. 90° angle. 12 fixing positions. Direct bit reception.		1	1	**4932464480**	4058546224257
⑨	13 mm Keyless chuck to suit M12 FPDX sub compact percussion drill		1	1	**4932464479**	4058546224240
⑩	Rivet tool nose set		4	1	**48540100**	045242504466
⑪	152mm Nose extension kit- for M12™ rivet tool		3	1	**48950100**	045242504459
⑫	M12 BDDX-0A offset attachment for screwdriving applications - 12 fixing positions		1	1	**4932430432**	4002395380930
⑬	M12 BDDX-RAA right angle attachment for drilling and screwdriving applications in confined spaces - 90° angle - 12 fixing positions - direct bit reception		1	1	**4932430433**	4002395380947



Side handles

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Side handle with depth gauge for all drills and percussion drills with gear neck diameter 43 mm	1	1	**4932373725**	4002395352647
②	Side handle with depth gauge for all drills and percussion drills with a short gear neck (13 mm) of diameter 43 mm	1	1	**4932364149**	4002395342198



QUIK-LOK™ cables

Cable length (m)	Country version	Pack quantity	Min. order quantity	Article Number	EAN Code
4	EU	1	1	**4932373502**	4002395351725
10	EU	1	1	**4932373503**	4002395351732
4	CH	1	1	**4932373504**	4002395351749
4	GB	1	1	**4932373508**	4002395351787
6	EU	1	1	**4932364483**[1]	4002395337620
QUIK-LOK cable repair kit		1	1	**4931380758**	4002395714551

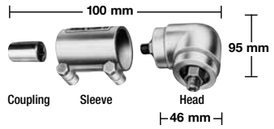


[1]Heavy duty and acid resistant, non repairable

Universal right angle drill attachment

Converts MILWAUKEE® HDE 13 RQD straight drill to angle drill.
Used extensively for drilling between joists or in tight corners.
Head and handle swivel 360°.
Provides two speeds: 1. Low: speed decreases by 30% torque increases by 50% 2. High: speed increases by 50%

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Right angle drill attachment	1	1	**48062871**	045242088812





Head and handle swivel 360° and can be locked tight in any position.

Impact wrenches - System attachments

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Detent pin square type: Socket will not slip off unless detent pin is pressed in	1	1	**49170405**	045242178919

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Rubber Sleeve for M18 CIW	1	1	**49162754**	045242320455
Rubber Sleeve for M18 CHIW and M28 CHIW	1	1	**49162763**	045242324255
Rubber Sleeve for M18 FMTIWP	1	1	**49162861**	045242510146
Rubber Sleeve for M18 FHIWP12 & M18 ONEFHIWP12	1	1	**49162766**	045242506415
Rubber Sleeve for M18 FHIWF12, M18 ONEFHIWF12 & M18 ONEFHIWF34	1	1	**49162767**	045242506422
Rubber Sleeve for M18 FIW2F & M18 FIW2P	1	1	**4932478770**	4058546360528
Rubber Sleeve for M18 ONEFHIWF1	1	1	**4932478760**	4058546360429
Rubber Sleeve for M18 FMTIW2F & M18 FMTIW2P	1	1	**4932478771**	4058546360535
Rubber Sleeve for M12 FIWF	1	1	**4932478758**	4058546360405



Keyed chucks

Chuck jaws open (mm)	Drill reception	Locking device	Safety screw	Rotary drill	Percussion 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
1.0-16	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 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
2.0-13	1/2˝ x 20	HDE 13 RQD	✔	K	1	1	**48661355**	045242156542



Keyed chucks with ¼˝ 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
		A	S2A	1	1	**4932221378**	4002395302765
		B	S2AT	1	1	**4932310612**	4002395309177
		C	S3T	1	1	**4932221379**	4002395306381
		D	S14	1	1	**4932304684***	4002395300105
①	**Chuck key**	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**	4002395305834
	Ejector tool DIN 317 size 3			1	1	**4932604226**	4002395311248

① 

② 

* while stocks last

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	⅜″ x 24		✔	✔		✔	1	1	**4932349457**	4002395318155
1.0-10	½″ x 20	✔	✔	✔	✔	✔	1	1	**4932364382**	4002395337675
1.5-13	½″ x 20	✔		✔	✔	✔	1	1	**4932376531**	4002395346332
1.5-13	½″ x 20	✔	✔	✔	✔	✔	1	1	**4932376533**	4002395346349
1.5-13	½″ x 20	✔		✔	✔	✔	1	1	**4932364265**[1]	4002395334056
1.5-13	½″ x 20	✔	✔	✔	✔	✔	1	1	**4932364267**	4002395334070



[1] Industrial quality

Keyless chucks for FIXTEC (spindle lock) machines

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	⅜″ x 24	✔	✔	✔	✔	✔	1	1	**4932371018**	4002395339365
1.0-10	½″ x 20	✔	✔	✔	✔	✔	1	1	**4932372443**	4002395345458
1.5-13	½″ x 20	✔	✔	✔	✔	✔	1	1	**4932371913**	4002395345366
1.5-13	⅜″ x 24	✔	✔	✔	✔	✔	1	1	**4932399492**	4002395361137
1.5-13	9/16″ x 18	✔	✔	✔	✔	✔	1	1	**4932478806**[1]	4058546360887



[1] Fits M18 FDD(2)/ M18 FPD(2)

Industrial keyless chucks for corded percussion drills

Chuck jaws open (mm)	Reception	Locking device	Rotary drill	Percussion drill	Battery drill	Pack quantity	Min. order quantity	Article Number	EAN Code
1.0-13	½″ 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	½″ x 20	HDE 10 RQX			✔	1	1	**48661520**	045242156795
①	1.5-13	½″ 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



Angle grinders - System attachments

	Description	Fits 115 mm angle grinders	Fits 125 mm angle grinders	Fits 150mm angle grinders	Fits 180mm angle grinders	Fits 230mm angle grinders	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Flange nut M14	✔	✔	✔	✔	✔	1	1	**4932345628**	4002395313105
②	Backing flange	✔	✔	✔	✔	✔	1	1	**4932449324**	4002395245185
③	Two hole spanner straight	✔	✔	✔	✔	✔	1	1	**4932367712**	4002395338467
④	Open-ended spanner. SW 17/24	✔	✔	✔	✔	✔	1	1	**4932345710**	4002395307722
⑤	Cranked two hole spanner for steel wire brushes				✔	✔	1	1	**4932371469**	4002395342181
⑥	Dust protection grille against entry of ground particles		✔	✔			1	1	**4932329397**	4002395303892
					✔	✔	2	1	**4932326525**	4002395303311
	Side handle	✔	✔	✔			1	1	**4932409546**	4002395370870
					✔	✔	1	1	**4931433531**	4002395889259
⑦	Anti-Vibration side handle	✔	✔	✔	✔[1]		1	1	**4932399991**	4002395366507
					✔	✔	1	1	**4932399992**	4002395366514
	Hand protection guard						1	1	**4932378478**	4002395347353
	Flange nut set. Only for AGV 16- 180 QXC Suitable for WS 2300 (Australia version) Flange nut M14 (4932345629), backing flange (4932371404), large flange nut (4932367952)						3	1	**4932351632**	4002395321636

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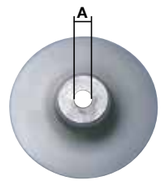
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Flexible backing pads

Description	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
Flexible backing pad. Complete with flange nut M14 for all angle grinders	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
Replacement flange nut M14			✔	✔	✔	✔	1	1	**4932345627**	4002395313112



Cutting and grinding dust extraction

	Description	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
①	Dust guard for cutting - DEC 125. 100% tool free connection to Ø 115 - 125 mm AG(V) 12, AGV 15 series and FUEL™ grinders, keyless depth adjustment from 5 - 28 mm. Guide to prevent twisting during cutting. Dust guard fits to the Milwaukee® M-Class cleaners with unique "click-system" adaptor supplied with the vacuum cleaner	✔	✔			1	1	**4932430467**	4002395381289
②	Dust guard for surface conditioning - DEG 125. 100% tool free connection to Ø 125 mm AG(V) 12, AGV 15 series and FUEL™ grinders. Supplied with additional loop handle. Removable magnetic front cover to gain access to tight corners and edges when using a cup wheel. Dust guard fits to the Milwaukee® M-Class cleaners with unique "click-system" adaptor supplied with the vacuum cleaner. Includes replaceable brush 4931448429		✔			1	1	**4932430468**	4002395381296
③	Dust guard for cutting - DEC 230. 100% tool free connection to Ø 180 - 230mm AG 22, keyless depth adjustment from 5 - 60mm. Solid steel cutting guide to prevent twisting during cutting and flexible cutting line indicator for plunge cuts. Dust guard fits to the Milwaukee® M-Class cleaners with unique "click-system" adaptor supplied with the vacuum cleaner.			✔	✔	1	1	**4932459340**	4058546010010
③	Dust guard for cutting - DEC 230 K. 100% tool free connection to Ø 180 - 230mm AG21, AGV 22, AG 24, AGVK 24 and FUEL™ grinders. Does not fit to LAG's equipped with autobalancer. Keyless depth adjustment from 5 - 60mm. Solid steel cutting guide to prevent twisting during cutting and flexible cutting line indicator for plunge cuts. Dust guard fits to the Milwaukee® M-Class cleaners with unique "click-system" adaptor supplied with the vacuum cleaner.			✔	✔	1	1	**4932459341**	4058546010027

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Die grinders - System attachments

	Description	Fits die grinders	Pack quantity	Min. order quantity	Article Number	EAN Code
	Ø 3 mm collet	DGL 34,DGL 30 E,DG 30 E,PSG 12,PSG 14.4 PP,HD18 SG	1	1	**4932308974**	4002395309092
	Ø 3 mm collet	M18 FDG	1	1	**4932471202**	4058546288303
	Ø 6 mm collet	PSG 14.4 PP,HD18 SG,PSG 12,DG 30 E,DGL 30 E,DGL 34	1	1	**4932313192**	4002395302833
	Ø 6 mm collet	DG 7 E	1	1	**4931391453**	4002395734818
	Ø 6 mm collet	DG 14-50 Q	1	1	**48660978**	045242155620
	Ø 8 mm collet	DGL 34,DGL 30 E,DG 30 E,PSG 12,PSG 14.4 PP,HD18 SG,V 28 SG	1	1	**4932313190**	4002395302840
	Ø 8 mm collet	DG 7 E	1	1	**4931391452**	4002395734801
	Ø 6.35 mm (¼") collet	DGL 34,DGL 30 E,DG 30 E,PSG 12,PSG 14.4 PP,HD18 SG	1	1	**4932313194**	4002395302857
①	Rubber Sleeve for M12 FDGA	M12 FDGA	1	1	**4932478759**	4058546360412



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Plate shears - System attachments

Description	Fits plate shears	Pack quantity	Min. order quantity	Article Number	EAN Code
Piston four sided blade	PPS 12	1	1	**4932308837**	4002395311583
Cutting table blade four sided blade	KS 2.5,S 2.5	1	1	**4932430171**	4002395378326
	PPS 12	1	1	**4932308838**	4002395309085
Centre blade	SMC 1.2 Q	1	1	**48440150**	045242140701
Left blade	SMC 1.2 Q	1	1	**48440160**	045242140756
Right blade	SMC 1.2 Q	1	1	**48440170**	045242140800
Socket wrench 5/32"	SMC 1.2 Q	1	1	**49960070**	045242221554
Replacement shear head assembly.	SMC 1.2 Q	1	1	**48080500**	045242089253



Nibblers - System attachments

Description	Fits nibblers		Pack quantity	Min. order quantity	Article Number	EAN Code
Punch	KN 2	PN 14.4,PN 12,N 2	1	1	**4932430172**	4002395378333
Die	KN 2	PN 14.4,PN 12,N 2	1	1	**4932279565**	4002395308521
Special die. Especially designed for cutting corrugated steel. Max. cutting capacity 1.5 mm	KN 2	PN 14.4,PN 12,N 2	1	1	**4932279498**	4002395308514



Polishers - System attachments

Premium - Hook & Loop Ø 125 mm

	Description	Diameter (mm)	Height (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	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
②	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
③	Polishing sponge hard. Hard sponge with coarse foam structure. For maximum removal of the recondition-ing lacquer, removing deep scratches and polishing weather-beaten lacquer	145	30	1	1	**4932430396**	4002395380572
④	Polishing sponge soft. Extremely soft sponge with fine foam structure. For fine polishing with polishing creams / wax compounds to remove very fine scratches and holograms (swirls)	145	30	1	1	**4932430397**	4002395380589
⑤	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	400 x 400		1	1	**4932430398**	4002395380596
⑥	Polish M-Cut 1500 (250 ml). 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 roxic solvents. Recommended for use with polishing sponge hard (4932430396) and lambswool polishing disc (4932430395)			1	1	**4932430475**	4002395381364
⑦	Polish M-Wax 6000 (250 ml). Premium high-tech wax with 6000 grit for removing fine scratches and sealing the paintwork in one step. Excellent performance in removing fine scratches / holograms / swirls. Contains the finest Brazilian Carnuba wax for long lasting mirror-like shine. Free of silicone. Recommended for use with polishing sponge soft (4932430397) and microfibre polishing cloth (4932430398)			1	1	**4932430476**	4002395381371









Hook & Loop Ø 150 mm

	Description	Diameter (mm)	Height (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Polishing backing pad. Application: Reception of felt / lambswool polishing discs and sponges. Characteristics: M14 thread, break resistant with integrated soft and flexible foam layer, Hook & Loop fixation	150	25	1	1	**4932373161**	4002395347285
②	Felt polishing disc. 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	50	1	1	**4932373163**	4002395347902
③	Lambswool polishing disc. Finishing high gloss polishing	150	25	1	1	**4932373164**	4002395347926
④	Polishing sponge hard. Polish up of weather-beaten lacquer, lacquer re-conditioning	150	50	1	1	**4932373165**	4002395347940
⑤	Polishing sponge soft. Second polish of lacquer, lacquer care	150	50	1	1	**4932373186**	4002395347964







Spot polisher

	Description	Diameter (mm)	Height (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Polishing / Sanding backing pad. Thread: M9 x 0.75. Hook and loop fixation. For use with polishing sponges and abrasive paper	76		1	1	**4932430488**	4002395381494
②	Polishing sponge - Hard (yellow). Hard sponge for use with more aggressive polish for removal of deep scratches. Hook and look fixation. For use with polishing / sanding backing pad	75	25	1	1	**4932430489**	4002395381500
③	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
④	Lambswool polishing pad. Hook and loop fixation. For use with polishing / sanding backing pad	80		1	1	**4932430838**	4002395385003
⑤	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







Sanders - System attachments

Random orbital sanders

	Description	Diameter (mm)	Fits random orbital sanders	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Base plate Ø 125 mm, 8 holes. Complete with rubber ring as spare	125	ROS 125 E	2	1	**4932430091**	4002395377527
①	Base plate Ø 150 mm, 6 holes. Complete with rubber ring as spare	150	TXE 150,ROS 150 E	2	1	**4932357591**	4002395343317
			ROS 150 E			**4932430145**	4002395378067
	Clean Line System. Frame with dust bag	125	ROS 125 E	1	1	**4931435448**	4002395889563
		150	ROS 150	1	1	**4931435911**	4002395874729
	Spare paper bags for 4932345544		TXE 150,TX 125,ROS 150 E	5	1	**4931442873**	4002395247882
	Frame holder for dust bag 4932313096	125/150	ROS 150 E,TXE 150	1	1	**4931329719**	4002395610938
②	Lambswool polishing disc. Finishing high gloss polishing	150	ROS 150,ROS 150 E,TXE 150	1	1	**4932373164**	4002395347926
③	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	TX 125,ROS 125 E	1	1	**4932430395**	4002395380565
④	Polishing sponge hard. Polish up of weather-beaten lacquer, lacquer re-conditioning	150	TXE 150,ROS 150 E,ROS 150	1	1	**4932373165**	4002395347940
⑤	Polishing sponge hard. Hard sponge with coarse foam structure. For maximum removal of the recondition-ing lacquer, removing deep scratches and polishing weather-beaten lacquer	145	TX 125,ROS 125 E	1	1	**4932430396**	4002395380572

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Orbital sanders

Description	Fits orbital sanders	Pack quantity	Min. order quantity	Article Number	EAN Code
Spare paper bags for 4932345544	VSS 20,VSSE 20,VSS 22,VSSE 22,VS 230,VSS 260,VSSE 260	5	1	**4931442873**	4002395247882



Delta sanders

Description	Fits delta sanders	Pack quantity	Min. order quantity	Article Number	EAN Code
Dust bag made of sturdy fabric	VS 11 D,FS 2,FS 2 D	1	1	**4932351675**	4002395320103



Belt sanders

Description	Fits belt sanders	Pack quantity	Min. order quantity	Article Number	EAN Code
Dust bag (spare)	BS 100 S,BS 100 LE	1	1	**4932336597**	4002395311026
Pair of clamps for Milwaukee® belt sander.		2	1	**4932459653**	4058546028251



Bandsaws - System attachments

Bandsaw covers

Safety - Protects user from injuries by preventing any access to the blade
Jobsite Armor™ durability - Proprietary composite material and crush zone barriers absorb impacts and protect the tool
Protection from debris - Covers protect the blade track and the pulley wheels from debris entering the tool and affecting overall performance
Tool-free installation and removal within second
Extends life of blade by protecting it from external objects





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① Bandsaw Cover for HD18 BS	1	1	**4932471458**	4058546290863
② Bandsaw Cover for M18 FBS85	1	1	**4932472241**	4058546326371
③ Bandsaw Cover for M18 CBS125 & BS 125	1	1	**4932471459**	4058546290870

Circular saws - System attachments

Description	Fits circular saws	Pack quantity	Min. order quantity	Article Number	EAN Code
Dust absorbtion connector.	PCS 55	1	1	**4932369282**	4002395338412
Spanner for removing saw blade.	CS 55,HK 46 N,SCS 65 Q,CS 75,PCS 55,HKS 75,HK 75 A,HKS 85,PMS 18	1	1	**4932371469**	4002395342181
Parallel guide / fence	SCS 65 Q	1	1	**49224146**	045242181896
Plastic transport case	SCS 65 Q	1	1	**201672001**	4002395840519
① Dust extraction hood for MS216 mitre saw		1	1	**4932430005**	4002395376667
② Guide rail GRU 1400. 1400 mm long. Supplied with carry bag		1	1	**4932451265**	4002395170197
Connector Piece		1	1	**4932352559**	4002395372171
Strip and rubber lip assembly set		1	1	**4931433774**	4002395887620





Biscuit jointers - System attachments

Description	Fits biscuit jointers		Pack quantity	Min. order quantity	Article Number	EAN Code
Cutter	LF 650	PJ 710	1	1	**4932361072**	4002395326679
Frame holder for dust bag 4931443872	LF 650	PJ 710	1	1	**4931442872**	4002395247899
Spare paper bags for 4932345544	LF 650	PJ 710	5	1	**4931442873**	4002395247882
Two hole spanner.	LF 650	PJ 710	1	1	**4932345712**	4002395305551



Planers - System attachments

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
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



Routers - System attachments

Description	Fits routers		Pack quantity	Min. order quantity	Article Number	EAN Code
Precision collet for router. High rotation accuracy.						
Ø 3 mm collet	OFE 710,OFE 630	OFS 450	1	1	**4932308974**	4002395309092
Ø 6.35 mm (¼") collet	OFE 710,OFE 630	OFS 450	1	1	**4932313194**	4002395302857
① Ø 6 mm collet	OFE 710,OFE 630	OFS 450	1	1	**4932313192**	4002395302833
Ø 8 mm collet	OFE 710,OFE 630	OFS 450	1	1	**4932313190**	4002395302840
② Trim router off set base attachment, for trimming close to walls	M18 FTR		1	1	**4932471946**	4058546298456
③ 12 pcs router bit set - 8 mm shank			12	1	**4932451668**	4002395275564

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Outdoor products - System attachments

Chainsaws

Description	kerf [mm]	Drive Links	Pitch [mm]	Pack quantity	Min. order quantity	Article Number	EAN Code
16" / 406.4 mm saw chain	1.1	56	9.5 (3/8")	1	1	**4932464873**	4058546228187
12" / 304.8 mm saw chain	1.1	45	9.5 (3/8")	1	1	**4932471385**	4058546290139
10" / 254 mm saw chain	1.1	40	9.5 (3/8")	1	1	**4932471329**	4058546289577
6" / 152 mm saw chain	1.1	28	9.5 (3/8")	1	1	**4932478427**	4058546346188



Line trimmers

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
2 mm x 45 m trimmer line	1	12	**49162712**	045242493906
2.4 mm x 76 m trimmer line	1	10	**49162713**	045242493913
Auto feed trimmer replacement spool (includes 49162712 line)	1	1	**49162714**	045242006458



Edger

Replacement edger blade to fit M18 FOPH-EA edger attachment.
20.3 cm / 203mm blade length.

Description	Length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Edger blade - 1pc	203	1	1	**4932471330**	4058546289584



Crimpers - System attachments

Crimping dies for M18™ FORCE LOGIC™ HCCT

	Type	Form	Cable lug size (mm²)	Imprint code	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	NF C 20-130 for copper compression cable lugs	Hex	16	16	NF22 Cu 16	1	1	**4932451733**	4002395276837
			25	25	NF22 Cu 25	1	1	**4932451734**	4002395276844
			35	35	NF22 Cu 35	1	1	**4932451735**	4002395276851
			50	50	NF22 Cu 50	1	1	**4932451736**	4002395276868
			70	70	NF22 Cu 70	1	1	**4932451737**	4002395276875
			95	95	NF22 Cu 95	1	1	**4932451738**	4002395276882
			120	120	NF22 Cu 120	1	1	**4932451739**	4002395276899
			150	150	NF22 Cu 150	1	1	**4932451740**	4002395277506
			185	185	NF22 Cu 185	1	1	**4932451741**	4002395277513
			240	240	NF22 Cu 240	1	1	**4932451742**	4002395277520
			300	300	NF22 Cu 300	1	1	**4932451743**	4002395277544
②	DIN 46235 for copper compression cable lugs and connectors (DIN 46267)	Hex	6	5	DN22 Cu 6	1	1	**4932464861**	4058546228064
			10	6	DN22 Cu 10	1	1	**4932464862**	4058546228071
			16	8	DIN22 Cu 16	1	1	**4932451744**	4002395277551
			25	10	DIN22 Cu 25	1	1	**4932451745**	4002395277568
			35	12	DIN22 Cu 35	1	1	**4932451746**	4002395277575
			50	14	DIN22 Cu 50	1	1	**4932451747**	4002395277582
			70	16	DIN22 Cu 70	1	1	**4932451748**	4002395277599
			95	18	DIN22 Cu 95	1	1	**4932451749**	4002395278206
			120	20	DIN22 Cu 120	1	1	**4932451750**	4002395278213
			150	22	DIN22 Cu 150	1	1	**4932451751**	4002395278220
			185	25	DIN22 Cu 185	1	1	**4932451752**	4002395278237
			240	28	DIN22 Cu 240	1	1	**4932451753**	4002395278244
			300	32	DIN22 Cu 300	1	1	**4932451754**	4002395278251

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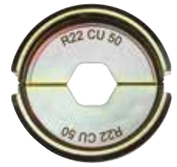
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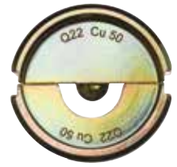
Crimping dies for M18™ FORCE LOGIC™ HCCT

	Type	Form	Cable lug size (mm²)	Imprint code	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
③	Tubular cable lugs and connectors	Hex	16	16	R22 Cu 16	1	1	**4932451755**	4002395278268
			25	25	R22 Cu 25	1	1	**4932451756**	4002395278275
			35	35	R22 Cu 35	1	1	**4932451757**	4002395278282
			50	50	R22 Cu 50	1	1	**4932451758**	4002395278299
			70	70	R22 Cu 70	1	1	**4932451759**	4002395278909
			95	95	R22 Cu 95	1	1	**4932451760**	4002395278916
			120	120	R22 Cu 120	1	1	**4932451761**	4002395278923
			150	150	R22 Cu 150	1	1	**4932451762**	4002395278930
			185	185	R22 Cu 185	1	1	**4932451763**	4002395278947
			240	240	R22 Cu 240	1	1	**4932451764**	4002395278954
			300	300	R22 Cu 300	1	1	**4932451765**	4002395278961
④	Copper solderless terminals (DIN 46234, DIN 46230, DIN 46341)	Half round indent	16	16	Q22 CU 16	1	1	**4932451766**	4002395278978
			25	25	Q22 CU 25	1	1	**4932451767**	4002395278985
			35	35	Q22 CU 35	1	1	**4932451768**	4002395278992
			50	50	Q22 CU 50	1	1	**4932451769**	4002395279609
			70	70	Q22 CU 70	1	1	**4932451770**	4002395279616
⑤	DIN Aluminium for aluminium compression cable lugs and connectors (DIN 46329, 46267 Part 1 and 2, DIN EN 50182)	Hex	16/25	12	DIN22 AL 16/25	1	1	**4932451771**	4002395279623
			35	14	DIN22 AL 35	1	1	**4932451772**	4002395279630
			50	16	DIN22 AL 50	1	1	**4932451773**	4002395279647
			70	18	DIN22 AL 70	1	1	**4932451774**	4002395279654
			95/120	22	DIN22 AL 95/120	1	1	**4932451775**	4002395279661
			150	25	DIN22 AL 150	1	1	**4932451776**	4002395279678
			185	28	DIN22 AL 185	1	1	**4932451777**	4002395279685
			240	32	DIN22 AL 240	1	1	**4932451778**	4002395279692
			300	34	DIN22 AL 300	1	1	**4932451779**	4002395276905
⑥	Copper tubular cable lugs and connectors like L series	Hex	16	8	L22 Cu 16	1	1	**4932464487**	4058546224325
			25	10	L22 Cu 25	1	1	**4932464488**	4058546224332
			35	12	L22 Cu 35	1	1	**4932464489**	4058546224349
			50	14	L22 Cu 50	1	1	**4932464490**	4058546224356
			70	16	L22 Cu 70	1	1	**4932464491**	4058546224363
			95	18	L22 Cu 95	1	1	**4932464492**	4058546224370
			120	20	L22 Cu 120	1	1	**4932464493**	4058546224387
			150	22	L22 Cu 150	1	1	**4932464494**	4058546224394
			185	25	L22 Cu 185	1	1	**4932464495**	4058546224400
			240	28	L22 Cu 240	1	1	**4932464496**	4058546224417
⑦	Pre rounding of triangular shaped aluminium and copper conductors	Round	16	-	RU22 Cu/Al 16	1	1	**4932451780**	4002395276912
			35/25	-	RU22 Cu35/AL25	1	1	**4932451781**	4002395276929
			50/35	-	RU22 Cu50/AL35	1	1	**4932451782**	4002395276936
			70/50	-	RU22 Cu70/AL50	1	1	**4932451783**	4002395276943
			95/70	-	RU22 Cu95/AL70	1	1	**4932451784**	4002395276950
			120/95	-	RU22 Cu120/ AL95	1	1	**4932451785**	4002395276967
			150/120	-	RU22 Cu150/ AL120	1	1	**4932451786**	4002395276974
			185/150	-	RU22 Cu185/ AL150	1	1	**4932451787**	4002395276981
			240/185	-	RU22 Cu240/ AL185	1	1	**4932451788**	4002395276998
			300/240	-	RU22 Cu300/ AL240	1	1	**4932451789**	4002395277605
⑧	C taps	Oval	10	-	C22 Cu 10/C4	1	1	**4932464863**	4058546228088
			16	-	C22 Cu 16/C5	1	1	**4932464864**	4058546228095
			25	-	C22 Cu 25/C6	1	1	**4932464865**	4058546228101
			35	-	C22 Cu 50/C8C9	1	1	**4932464866**	4058546228118
⑨	Crimping die box					1	1	**4932459339**	4058546010003

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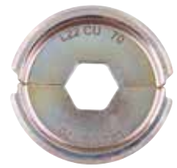
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TOOL SYSTEM ATTACHMENTS

Crimping dies for M18™ FORCE LOGIC™ HCCT 109/42

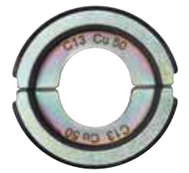
	Type	Form	Cable lug size (mm²)	Imprint code	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	DIN Aluminium for aluminium compression cable lugs and connectors (DIN 46329, 46267 Part 1 und 2, DIN EN 50182)	Hex	16/25	12	DIN13 AL 16/25	1	1	**4932459506**	4058546026783
			35	14	DIN13 AL 35	1	1	**4932459507**	4058546026790
			50	16	DIN13 AL 50	1	1	**4932459508**	4058546026806
			70	18	DIN13 AL 70	1	1	**4932459509**	4058546026813
			95/120	22	DIN13 AL 95/120	1	1	**4932459510**	4058546026820
			150	25	DIN13 AL 150	1	1	**4932459511**	4058546026837
			185	28	DIN13 AL 185	1	1	**4932459512**	4058546026844
			240	32	DIN13 AL 240	1	1	**4932459513**	4058546026851
			300	34	DIN13 AL 300	1	1	**4932459514**	4058546026868
②	Copper tubular cable lugs and connectors like L series	Hex	16	8	L13 Cu 16	1	1	**4932464500**	4058546224455
			25	10	L13 Cu 25	1	1	**4932464501**	4058546224462
			35	12	L13 Cu 35	1	1	**4932464502**	4058546224479
			50	14	L13 Cu 50	1	1	**4932464503**	4058546224486
			70	16	L13 Cu 70	1	1	**4932464504**	4058546224493
			95	18	L13 Cu 95	1	1	**4932464505**	4058546224509
			120	20	L13 Cu 120	1	1	**4932464506**	4058546224516
			150	22	L13 Cu 150	1	1	**4932464507**	4058546224523
			185	25	L13 Cu 185	1	1	**4932464508**	4058546224530
			240	28	L13 Cu 240	1	1	**4932464509**	4058546224547
			300	32	L13 Cu 300	1	1	**4932464510**	4058546224554
③	Pre rounding of triangular shaped aluminium and copper conductors	Round	16	-	RU13 Cu/Al16	1	1	**4932459483**	4058546011444
			35/25	-	RU13 Cu35/AL25	1	1	**4932459484**	4058546011451
			50/35	-	RU13 Cu50/AL35	1	1	**4932459485**	4058546011468
			70/50	-	RU13 Cu70/AL50	1	1	**4932459486**	4058546011475
			95/70	-	RU13 Cu95/AL70	1	1	**4932459487**	4058546011482
			120/95	-	RU13 Cu120/AL95	1	1	**4932459488**	4058546011499
			150/120	-	RU13 Cu150/AL120	1	1	**4932459489**	4058546011505
			185/150	-	RU13 Cu185/AL150	1	1	**4932459490**	4058546011512
			240/185	-	RU13 Cu240/AL185	1	1	**4932459491**	4058546011529
			300/240	-	RU13 Cu300/AL240	1	1	**4932459492**	4058546011536
④	Ferruls		16	-	AEH13 Cu 16	1	1	**4932459515**	4058546026875
			25	-	AEH13 Cu 25	1	1	**4932459516**	4058546026882
			35	-	AEH13 Cu 35	1	1	**4932459517**	4058546026899
			50	-	AEH13 Cu 50	1	1	**4932459518**	4058546026905
			70	-	AEH13 Cu 70	1	1	**4932459519**	4058546026912
			95	-	AEH13 Cu 95	1	1	**4932459520**	4058546026929
			120	-	AEH13 Cu 120	1	1	**4932459521**	4058546026936
			150	-	AEH13 Cu 150	1	1	**4932459522**	4058546026943
			185	-	AEH13 Cu 185	1	1	**4932459523**	4058546026950
			240	-	AEH13 Cu 240	1	1	**4932459524**	4058546026967
⑤	C taps	Oval	16	-	C13 Cu 16	1	1	**4932459525**	4058546026974
			25	-	C13 Cu 25	1	1	**4932459526**	4058546026981
			35	-	C13 Cu 35	1	1	**4932459527**	4058546026998
			50	-	C13 Cu 50	1	1	**4932459528**	4058546027001
			70	-	C13 Cu 70	1	1	**4932459529**	4058546027018
			10	-	C13 Cu 10	1	1	**4932459530**	4058546027025
			10-35	-	C13 Cu 10-35	1	1	**4932459531**	4058546027032
			25-50	-	C13 Cu 25-50	1	1	**4932459532**	4058546027049
			35-70	-	C13 Cu 35-70	1	1	**4932459533**	4058546027056
⑥	H clamps	Oval	70	-	HAH13 Cu 70	1	1	**4932459534**	4058546027063
			95	-	HAH13 Cu 95	1	1	**4932459535**	4058546027070
			120	-	HAH13 Cu 120	1	1	**4932459536**	4058546027087
⑦	Double press cable shoes	Oval	2x50	-	DP13 Cu 2x50	1	1	**4932459537**	4058546027094
			2x70	-	DP13 Cu 2x70	1	1	**4932459538**	4058546027100
			2x95	-	DP13 Cu 2x95	1	1	**4932459539**	4058546027117
⑧	Crimping die box for M18 HCCT109/42 crimper (dies to be bought separately)					1	1	**4932464211**	4058546221560

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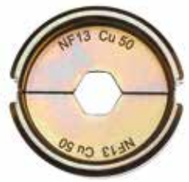
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Crimping dies for M18™ HCCT 109/42

	Type	Form	Cable lug size (mm²)	Imprint code	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	NF C 20-130 for copper compression cable lugs	Hex	16	16	NF13 Cu 16	1	1	**4932459453**	4058546011147
			25	25	NF13 Cu 25	1	1	**4932459454**	4058546011154
			35	35	NF13 Cu 35	1	1	**4932459455**	4058546011161
			50	50	NF13 Cu 50	1	1	**4932459456**	4058546011178
			70	70	NF13 Cu 70	1	1	**4932459457**	4058546011185
			95	95	NF13 Cu 95	1	1	**4932459458**	4058546011192
			120	120	NF13 Cu 120	1	1	**4932459459**	4058546011208
			150	150	NF13 Cu 150	1	1	**4932459460**	4058546011215
			185	185	NF13 Cu 185	1	1	**4932459461**	4058546011222
			240	240	NF13 Cu 240	1	1	**4932459462**	4058546011239
			300	300	NF13 Cu 300	1	1	**4932459463**	4058546011246
			400	400	NF13 Cu 400	1	1	**4932459464**	4058546011253
②	DIN 46235 for copper compression cable lugs and connectors (DIN 46267)	Hex	16	8	DIN13 Cu 16	1	1	**4932459465**	4058546011260
			25	10	DIN13 Cu 25	1	1	**4932459466**	4058546011277
			35	12	DIN13 Cu 35	1	1	**4932459467**	4058546011284
			50	14	DIN13 Cu 50	1	1	**4932459468**	4058546011291
			70	16	DIN13 Cu 70	1	1	**4932459469**	4058546011307
			95	18	DIN13 Cu 95	1	1	**4932459470**	4058546011314
			120	20	DIN13 Cu 120	1	1	**4932459471**	4058546011321
			150	22	DIN13 Cu 150	1	1	**4932459472**	4058546011338
			185	25	DIN13 Cu 185	1	1	**4932459473**	4058546011345
			240	28	DIN13 Cu 240	1	1	**4932459474**	4058546011352
			300	32	DIN13 Cu 300	1	1	**4932459475**	4058546011369
③	Tubular cable lugs and connectors	Hex	16	16	R13 Cu 16	1	1	**4932459494**	4058546011550
			25	25	R13 Cu 25	1	1	**4932459495**	4058546011567
			35	35	R13 Cu 35	1	1	**4932459496**	4058546011574
			50	50	R13 Cu 50	1	1	**4932459497**	4058546011581
			70	70	R13 Cu 70	1	1	**4932459498**	4058546011598
			95	95	R13 Cu 95	1	1	**4932459499**	4058546011604
			120	120	R13 Cu 120	1	1	**4932459500**	4058546011611
			150	150	R13 Cu 150	1	1	**4932459501**	4058546011628
			185	185	R13 Cu 185	1	1	**4932459502**	4058546011635
			240	240	R13 Cu 240	1	1	**4932459503**	4058546011642
			300	300	R13 Cu 300	1	1	**4932459504**	4058546026769
			400	400	R13 Cu 400	1	1	**4932459505**	4058546026776
④	Copper solderless terminals (DIN 46234, DIN 46230, DIN 46341)	Half round indent	16	16	Q13 CU 16	1	1	**4932459477**	4058546011383
			25	25	Q13 CU 25	1	1	**4932459478**	4058546011390
			35	35	Q13 CU 35	1	1	**4932459479**	4058546011406
			50	50	Q13 CU 50	1	1	**4932459480**	4058546011413
			70	70	Q13 CU 70	1	1	**4932459481**	4058546011420
			95	95	Q13 CU 95	1	1	**4932459482**	4058546011437

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Crimp die kits

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**DIN22 Cu die kit for M18 HCCT** Die storage box incl. 11 dies - 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 & 300 mm²	11	1	**4932471997**	4058546298968
②	**DIN22 Al die kit for M18 HCCT** Die storage box incl. 9 dies - 16/25, 35, 50, 70, 95/120, 150, 185, 240 & 300 mm²	9	1	**4932471998**	4058546298975
③	**R22 Cu die kit for M18 HCCT** Die storage box incl. 11 dies - 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 & 300 mm²	11	1	**4932471999**	4058546298982
④	**DIN13 Cu die set for M18 HCCT109/42** Die storage box incl. 11 dies - 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 & 300 mm²	11	1	**4932472000**	4058546323967
⑤	**DIN13 Al die set for M18 HCCT109/42** Die storage box incl. 9 dies - 16/25, 35, 50, 70, 95/120, 150, 185, 240 & 300 mm²	9	1	**4932472001**	4058546323974
⑥	**R13 Cu die set for M18 HCCT109/42** Die storage box incl. 11 dies - 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 & 300 mm²	11	1	**4932472002**	4058546323981



Cable cutter blades for underground cutter M18™ FORCE LOGIC™ HCC75

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Underground cutter blade M18 HCC75	1	1	**49162774**	045242486663



Cable cutter blades for M18™ FORCE LOGIC™ HCC45

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
ACSR blade M18 HCC45	1	1	**49162775**	045242486632



Dies for M18BLTRC threaded rod cutter

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Dies for M18BLTRC threaded rod cutter	2	1	**4932471372**	4058546290009



Cable cutters - System attachments

Cable Cutter Blades suitable for M18™ HCCAC / M18™ HCCS

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	ACSR Aluminium steel reinforced cable cutting jaw including blades	1	1	**49162773**	045242350070
②	ACSR Aluminium steel reinforced cable cutting blades	1	1	**48440412**	045242355235
①	Cu/Al standard copper & aluminium cable cutting jaw including blades	1	1	**4932430839**	4002395385010
②	Replacement cable cutter blades for copper and aluminium.	1	1	**4932464498**	4058546224431
①	Armored cable cutting Jaw for M18 HCC	1	1	**4932464867**	4058546228125
②	Replacement SWA blade for M18 HCC	1	1	**4932464868**	4058546228132
①	FSW fine stranded wire cutting jaw including blades	1	1	**49162778**	045242505722
②	FSW fine stranded wire cutting blades	1	1	**48442778**	045242505739
①	EHS guy wire/steel wire cutting jaw including blades	1	1	**49162777**	045242505449
②	EHS guy wire/steel wire cutting blades	1	1	**48442777**	045242505456



Cable cutting blades suitable for M18 HCCT

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Cu/Al standard Copper & Aluminum cable cutting jaw	1	1	**4932464497**	4058546224424



M18 FUEL™ fish tapes - System attachments

Steel fish drums

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
36 m x 3 mm steel fish drum	1	1	**48445176**	4058546326432
72 m x 3 mm steel fish drum	1	1	**48445178**	4058546326449



Non-conductive drums

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
30 m non-conductive polyester drum	1	1	**48445195**	4058546326463
60 m non-conductive polyester drum	1	1	**48445197**	4058546326470



Pipe cutter / Cable cutter blades for M12™

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Pipe cutter wheels. Suitable for copper pipe. Not suitable for plastic or stainless steel pipe	2	1	48380010	045242159710
②	Cable cutter blade	1	1	4932430070	4002395377312
	PEX cutter blade for C12 PPC	1	1	4931441978	4002395179268



Knockout punch - System attachments

Knockout punch and dies

Suitable for mild steel and aluminium up to a thickness of 3 mm.
Also suitable for stainless steel max. 2.5 mm.



Diameter (mm)	Standard PG size	Standard ISO metric size	Pack quantity	Min. order quantity	Punch		Die	
					Article Number	EAN Code	Article Number	EAN Code
16.2		M 16	1	1	**4932430841**	4002395385034	**4932430913**	4002395385751
20.4	PG 13.5	M 20	1	1	**4932430842**	4002395385041	**4932430914**	4002395385768
22.5	PG 16 1/2"		1	1	**4932430843**	4002395385058	**4932430915**	4002395385775
25.4		M 25	1	1	**4932430844**	4002395385065	**4932430916**	4002395385782
28.3	PG 21 3/4"		1	1	**4932430845**	4002395385072	**4932430917**	4002395385799
32.5		M 32	1	1	**4932430846**	4002395385089	**4932430918**	4002395385805
40.5		M 40	1	1	**4932430847**	4002395385096	**4932430919**	4002395385812
50.5		M 50	1	1	**4932430848**	4002395385102	**4932430920**	4002395385829
63.5		M 63	1	1	**4932430849**	4002395385119	**4932430921**	4002395385836

Draw stud bolt 49162680 (for 16.2 and 20.4 mm) Ø 11,1 mm: requires pre-drilling with Ø 11.3 - 11.5 mm drill bit / step drill.
Draw stud bolt 49162681 Ø 19 mm: requires pre-drilling with Ø 19.5 - 20 mm drill bit / step drill.

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Adaptor to allow the Milwaukee® tool to use competitors punches and dies ie. Klauke®, Greenlee® and Alfra®	1	1	**49162685**	045242337965

Hydraulic pump - System attachments

1.8 meter controller extension cord

Compatible with M18™ FORCE LOGIC™ hydraulic pump
IP 67 ingress protection for reliable use in the elements
Male-female connectors for interconnectable extension up to 7.3 m of length



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
1.8 meter controller extension cord	1	1	**49122775**	4058546326487

Hydraulic oil

1 Liter accessory oil for M18™ FORCE LOGIC™ HUP700 hydraulic pump



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Replacement oil M18 HUP700	1	1	**4932472004**	4058546324001

Bucket hanger

Compatible with M18™ FORCE LOGIC™ hydraulic pump
Extendable bar & rubber bumpers allow for use with most existing buckets & steel baskets
Symmetrical lift ring design enable use from both sides of the hanger
Keeps pump in ideal, level operating position while freeing up space inside the bucket
Standard size lift rings allow for use with existing bucket hooks
Open frame design enables the user to open the pump battery door while still resting in the hanger



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Bucket hanger for M18 HUP700	1	1	49122776	045242535231

Expansion tools - System attachments

Expander heads

Description	Pipe diameter (mm)	Pipe wall thickness (mm)	Pipe pressure (bar)	Suitable	Pack quantity	Min. order quantity	Article Number	EAN Code
PXPH9-144/8	9.9	1.1	4/8	M12, M18	1	1	**4932430102**	4002395377633
PXPH12I-14	12	1.7/ 1.8/ 2	6-10	M12, M18	1	1	**4932352716**	4002395373741
PXPH15N-14	14 / 15	2.5	6-10	M12, M18	1	1	**4932352727**	4002395373857
PXPH16I-1406	16	1.5/ 1.8	6	M12, M18	1	1	**4932430103**	4002395377640
PXPH16I-1410	16	1.8/ 2.0/	10	M12, M18	1	1	**4932352717**	4002395373758
PXPH18N-14	17 / 18	2.5	6-10	M12, M18	1	1	**4932352728**	4002395373864
PXPH20I-1406	20	1.9/ 2.0/	6, (8 bar -	M12, M18	1	1	**4932352718**	4002395373765
PXPH20I-1410	20	2.8	10	M12, M18	1	1	**4932352719**	4002395373772
PXPH20I-2506	20	1.9/ 2.0/	6, (8 bar -	M18	1	1	**4932352733**	4002395373918
PXPH20I-2510	20	2.8	10	M18	1	1	**4932352748**	4002395374069
PXPH22N-14	22	3	6-10	M12, M18	1	1	**4932352729**	4002395373871
PXPH25I-1406	25	2.3	6	M12, M18	1	1	**4932352720**	4002395373789
PXPH25I-1410	25	3.5	10	M12, M18	1	1	**4932352721**	4002395373796
PXPH25I-2506	25	2.3	6	M18	1	1	**4932352722**	4002395373802
PXPH25I-2510	25	3.5	10	M18	1	1	**4932352749**	4002395374076
PXPH28N-14	28	4	6-10	M12, M18	1	1	**4932352730**	4002395373888
PXPH32I-1406	32	2.9	6	M12, M18	1	1	**4932352723**	4002395373819
PXPH32I-25	32	2.9/ 4.4	6-10	M18	1	1	**4932352724**	4002395373826
PXPH40I-2506	40	3.7	6	M18	1	1	**4932352725**	4002395373833
PXPH 40I - 5606	40	3.7	6-10	M18 BLPXPL	1	1	**4932451396**	4002395160884
PXPH 50I - 5606	50	4.6	6-10	M18 BLPXPL	1	1	**4932451397**	4002395160891
PXPH 63I - 5606	63	5.8	6-10	M18 BLPXPL	1	1	**4932451398**	4002395158102
PXPH 75I - 5606	75	6.8	6-10	M18 BLPXPL	1	1	**4932451399**	4002395158119
Grease Tube contents 50 g. For lubrication of cone and expander heads					1	1	**4932352726**	4002395373840





Press tools - System attachments

Press jaws

Jaw profile	Fits to following pipe systems suppliers	Nominal size	Tool suitability	Jaw model description	Id. No. 4932-	EAN Code				
M	Geberit: Mapress VSH: X-Press Eurotubi Raccorderie Metallique Rubinetterie Bresciane Sanha: Nirosan Pegler Yorkshire	M12	M12	J12-M12	430243	4002395379040				 Jaw M profile
		M12	M18	J18-M12	430244	4002395379057				
		M15	M12	J12-M15	430245	4002395379064				
		M15	M18	J18-M15	430246	4002395379071				
		M18	M12	J12-M18	430247	4002395379088				
		M18	M18	J18-M18	430248	4002395379095				
		M22	M12	J12-M22	430249	4002395379101				 Ring jaw M profile
		M22	M18	J18-M22	430250	4002395379118				
		M28	M12	J12-M28	430251	4002395379125				
		M28	M18	J18-M28	430252	4002395379132				
		M35	M12	J12-M35	430253	4002395379149				
		M35	M18	J18-M35	430254	4002395379156				
		M42	M18	RJ18-M42 (requires ring jaw adaptor RJA-1)	430255	4002395379163				
		M54	M18	RJ18-M54 (requires ring jaw adaptor RJA-1)	430256	4002395379170				
V	Viega Comap IBP Sanha: Nirosan	V12	M12	J12-V12	430260	4002395379217				 Jaw V profile
		V12	M18	J18-V12	430261	4002395379224				
		V14	M12	J12-V14	451660	4002395273423				
		V14	M18	J18-V14	471086	4058546287146				
		V15	M12	J12-V15	430262	4002395379231				
		V15	M18	J18-V15	430263	4002395379248				
		V16	M12	J12-V16	451661	4002395273430				
		V16	M18	J18-V16	471087	4058546287153				
		V18	M12	J12-V18	430264	4002395379255				
		V18	M18	J18-V18	430265	4002395379262				 Ring jaw V profile
		V22	M12	J12-V22	430266	4002395379279				
		V22	M18	J18-V22	430267	4002395379286				
		V28	M12	J12-V28	430268	4002395379293				
		V28	M18	J18-V28	430269	4002395379309				
		V35	M12	J12-V35	430270	4002395379316				
		V35	M18	J18-V35	430271	4002395379323				
		V42	M18	RJ18-V42 (requires ring jaw adaptor RJA-1)	430272	4002395379330				
		V54	M18	RJ18-V54 (requires ring jaw adaptor RJA-1)	430273	4002395379347				
TH	ALB Comap Fränkische Henco (TH14 - TH25 only) IPA Sanha Tiemme	TH14	M12	J12-TH14	430274	4002395379354				 Jaw TH profile
		TH14	M18	J18-TH14	430275	4002395379361				
		TH16	M12	J12-TH16	430276	4002395379378				
		TH16	M18	J18-TH16	430277	4002395379385				
		TH18	M12	J12-TH18	430278	4002395379392				
		TH18	M18	J18-TH18	430279	4002395379408				
		TH20	M12	J12-TH20	430280	4002395379415				 Ring jaw TH profile
		TH20	M18	J18-TH20	430281	4002395379422				
		TH25	M12	J12-TH25	430282	4002395379439				
		TH25	M18	J18-TH25	430355	4002395380169				
		TH26	M12	J12-TH26	430283	4002395379446				
		TH26	M18	J18-TH26	430284	4002395379453				
		TH32	M12	J12-TH32	430285	4002395379460				

Press jaws

Jaw profile	Fits to following pipe systems suppliers	Nominal size	Tool suitability	Jaw model description	Id. No. 4932-	EAN Code				
TH	ALB Comap Fränkische Henco (TH14 - TH25 only) IPA Sanha Tiemme	TH32	M18	J18-TH32	430286	4002395379477				
		TH40	M12	J12-TH40	430287	4002395379484				
		TH40	M18	RJ18-TH40 (requires ring jaw adaptor RJA-1)	430288	4002395379491				
		TH50	M18	RJ18-TH50 (requires ring jaw adaptor RJA-1)	430289	4002395379507				
		TH63	M18	RJ18-TH63 (requires ring jaw adaptor RJA-1)	430290	4002395379514				
U	ALB Uponor: Unipipe, Airpipe Kann: Kann-therm Wavin: Press-Systeme Fränkische: Alpex F50 Profi DW Verbundrohr: Multitubo IBP: >B< Flex KE Kelit: Kelit Kelox Jupiter: Heizsystem	U14	M12	J12-U14	430291	4002395379521				 Jaw U profile
		U14	M18	J18-U14	430292	4002395379538				
		U16	M12	J12-U16	430293	4002395379545				
		U16	M18	J18-U16	430294	4002395379552				
		U18	M12	J12-U18	430295	4002395379569				
		U18	M18	J18-U18	430296	4002395379576				
		U20	M12	J12-U20	430297	4002395379583				
		U20	M18	J18-U20	430298	4002395379590				
		U25	M12	J12-U25	430299	4002395379606				
		U25	M18	J18-U25	430300	4002395379613				
		U32	M12	J12-U32	430301	4002395379620				
		U32	M18	J18-U32	430302	4002395379637				
		U40	M12	J12-U40	430303	4002395379644				
		U40	M18	RJ18-U40 (requires ring jaw adaptor RJA-1)	430304	4002395379651				 Ring jaw U profile
		U50	M18	RJ18-U50 (requires ring jaw adaptor RJA-1)	430305	4002395379668				
		U63	M18	RJ18-U63 (requires ring jaw adaptor RJA-1)	430306	4002395379675				
ACz	ACOME MT	Acz12	M12	J12-ACz 12	459388	4058546010492				
		Acz16	M12	J12-ACz 16	459389	4058546010508				
		Acz20	M12	J12-ACz 20	459390	4058546010515				
		Acz25	M12	J12-ACz 25	459391	4058546010522				
G	Geberit: Mepla & Mepla Therm	G16	M12	J12-G16	464217	4058546221621				
		G16	M18	J18-G16	464544	4058546224899				
		G20	M12	J12-G20	464218	4058546221638				
		G20	M18	J18-G20	464545	4058546224905				
		G26	M12	J12-G26	464219	4058546221645				
		G26	M18	J18-G26	464546	4058546224912				
		G32	M12	J12-G32	464220	4058546221652				
		G32	M18	J18-G32	464547	4058546224929				
		G40	M12	J12-G40	464221	4058546221669				
		G40	M18	J18-G40	464548	4058546224936				
		G50	M18	J18-G50	464549	4058546224943				
① Ring jaw adaptor				RJA-1	430307	4002395379682				①  Ring jaw adaptor

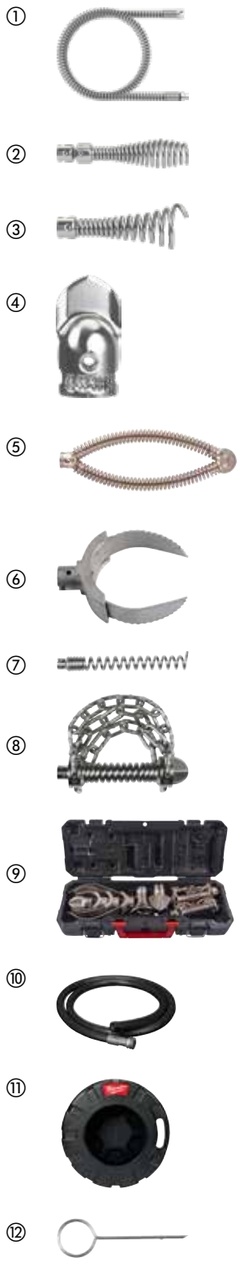
Drum machine attachments

	Description	Fits drain cleaners M12B-DC6, M12 BDC8	Fits drain cleaners M18 FDCPF8, M18 FD-CPF10	Fits drain cleaners M18 FFSDC16, M18 FFSDC13, M18 FFS-DC10	Fits drain cleaners MXF LSDP	Article Number	EAN Code
①	16 mm x 15.2 m open wind coupling end			✔		48532775	045242513109
	6 mm x 7.6 m inner core bulb head	✔				48532573	045242471270
	8 mm x 7.6 m inner core drop head	✔				48532572	045242364206
	6 mm x 7.6 m inner core drop head	✔				48532574	045242471287
	6 mm x 10.6 m inner core bulb head		✔			48532671	045242482740
	6 mm x 15.2 m inner core bulb head		✔			48532672	045242482757
	8 mm x 7.6 m inner core bulb head	✔				48532571	045242364213
②	8 mm x 10.6 m inner core bulb head		✔			48532673	045242482764
	8 mm x 15.2 m inner core bulb head					48532674	045242482771
	10 mm x 10.6 m inner core coupling end		✔			48532675	045242482788
	6 mm x 7.6 m inner core bulb head drum	✔				48532581	045242480586
	6 mm x 7.6 m inner core drop head drum	✔				48532582	045242480593
	8 mm x 7.6 m inner core bulb head drum	✔				48532583	045242480609
	8 mm x 7.6 m inner core drop head drum	✔				48532584	045242480616
	8 mm x 23 m inner core bulb head			✔		48532772	045242513079
	10 mm x 15.2 m inner core coupling end			✔		48532773	045242513086
	13 mm x 15.2 m inner core coupling end			✔		48532774	045242513093
	16 mm x 7.6 m inner core coupling end				✔	4932471701	4058546296001
③	16 mm x 15.2 m inner core coupling end				✔	4932471702	4058546296018
	20 mm x 7.6 m inner core coupling end				✔	4932471703	4058546296025
	20 mm x 15.2 m inner core coupling end				✔	4932471704	4058546296032
	16 mm anchor cable coupling end				✔	4932471707	4058546296063
	16 mm x 60 cm leader cable coupling end				✔	4932471708	4058546296070
	20 mm x 600 mm leader cable coupling end				✔	4932471709	4058546296087
④	Small bulb auger for 10, 13, 16 mm cables	✔	✔			48532681	045242503803
⑤	Small C cutter for 10, 13, 16 mm cables	✔	✔			48532684	045242503834
	Medium C cutter for 10, 13, 16 mm cables					48532789	045242006137
⑥	75 mm chain knocker for 16, 20 mm cables				✔	48532837	4058546323448
	100 mm chain knocker for 16, 20 mm cables				✔	48532838	4058546323455
⑦	Small drop head for 10, 13, 16 mm cables	✔	✔			48532682	045242503810
	Medium drop head for 10, 13, 16 mm cables	✔	✔			48532787	045242006113
⑧	Funnel auger for 16, 20 mm cables				✔	48532831	4058546323387
	Medium funnel auger for 10, 13, 16 mm cables	✔	✔			48532786	045242006106
	Small 5 pc head kit for 10, 13, 16 mm cables	✔	✔			48532685	045242503841
⑨	Medium 5 pc head kit for 10, 13, 16 mm cables	✔	✔			48532790	045242006144
	9 pc head kit 16, 20 mm cables				✔	48532840	4058546296131
⑩	Small opening tool for 16, 20 mm cables				✔	48532835	4058546323424
	Medium opening tool for 16, 20 mm cables				✔	48532836	4058546323431
	75 mm root cutter for 16, 20 mm cables				✔	48532832	4058546323394
⑪	100 mm root cutter for 16, 20 mm cables				✔	48532833	4058546323400
	150 mm root cutter for 16, 20 mm cables				✔	48532834	4058546323417
⑫	Small spade bit for 10, 13, 16 mm cables	✔	✔			48532683	045242503827
	Medium spade bit for 10, 13, 16 mm cables	✔	✔			48532788	045242006120
⑬	Straight auger for 16, 20 mm cables				✔	48532830	4058546323370
⑭	SWITCH PACK™ auto feed for M18 FFSDC series			✔		4932471993	4058546298920
⑮	Guide hose for SWITCH PACK™ auto feed			✔		4932471994	4058546298937
⑯	Base plate for SWITCH PACK™ auto feed			✔		4932478225	4058546344023
⑰	SWITCH PACK™ drum for M18 FFSDC series			✔		4932464277	4058546222222
⑱	Guide hose for MXFLSDP				✔	4932478110	4058546340421
⑲	Pin key for all cables	✔	✔	✔		4932471717	4058546296162



Sectional sewer machine attachments

	Description	Fits sewer machine M18 FCSSM	Fits sewer machine M18 FSSM	Article Number	EAN Code
	16 mm x 2.3 m open wind coupling end	✔		4932478413	4058546346041
	16 mm x 2.3 m open wind inner core coupling	✔		4932478414	4058546346058
	22 mm x 4.5 m open wind inner core coupling end	✔	✔	4932478415	4058546346065
①	22 mm x 4.5 m open wind coupling end	✔	✔	4932471712	4058546296117
	22 mm x 4.5 m open wind coupling end kit	✔	✔	4932471713	4058546296124
	32 mm x 4.5 m open wind coupling end		✔	4932471710	4058546296094
	32 mm x 4.5 m open wind heavy duty coupling end		✔	4932471711	4058546296100
	Drop head bulb 16 mm cables	✔		48533811	4058546346126
②	Drop head straight 16 mm cables	✔		48533812	4058546346133
	Funnel auger for 16 mm cables	✔		48533813	4058546346140
	Small funnel auger for 22 mm cables	✔	✔	48533828	4058546346089
③	Medium funnel auger for 22 mm cables	✔	✔	48533831	4058546323479
	Funnel auger for 32 mm cables		✔	48534831	4058546323561
	Extra small opening tool for 16 mm cables	✔		48533814	4058546346157
	Small opening tool for 16 mm cables	✔		48533815	4058546346164
	Small opening tool for 22 mm cables	✔	✔	48533827	4058546346096
④	Small opening tool for 22 mm cables	✔	✔	48533835	4058546323516
	Medium opening tool for 22 mm cables	✔	✔	48533836	4058546323523
	Small opening tool for 32 mm cables		✔	48534835	4058546323608
	Medium opening tool for 32 mm cables		✔	48534836	4058546323615
⑤	Spring cleaner for 16 mm cables	✔		48533816	4058546346171
	Spring cleaner for 22 mm cables	✔	✔	48533826	4058546346102
	50 mm root cutter for 22 mm cables	✔	✔	48533825	4058546346119
	75 mm root cutter for 22 mm cables	✔	✔	48533832	4058546323486
	100 mm root cutter for 22 mm cables	✔	✔	48533833	4058546323493
⑥	150 mm root cutter for 22 mm cables	✔	✔	48533834	4058546323509
	75mm root cutter for 32 mm cables		✔	48534832	4058546323578
	100 mm root cutter for 32 mm cables		✔	48534833	4058546323585
	150 mm root cutter for 32 mm cables		✔	48534834	4058546323592
	Small straight auger for 22 mm cables	✔	✔	48533829	4058546346072
⑦	Medium straight auger for 22 mm cables	✔	✔	48533830	4058546323462
	Straight auger for 32 mm cables		✔	48534830	4058546323554
	75 mm chain knocker for 22 mm spirals	✔	✔	48533837	4058546323530
	100 mm chain knocker 22 mm cables	✔	✔	48533838	4058546323547
⑧	75 mm chain knocker for 32 mm spirals		✔	48534837	4058546323622
	100 mm chain knocker 32 mm cables		✔	48534838	4058546323639
	9pc head kit for 22 mm cables	✔	✔	48533840	4058546296148
⑨	9pc head kit for 32 mm cables		✔	48534839	4058546296155
	Small guide hose for FCSSM	✔		4932478410	4058546346010
⑩	Medium guide hose for FCSSM	✔		4932478409	4058546346003
	Large guide hose for FSSM		✔	4932471720	4058546296193
	Cable drum for 16mm spirals	✔		4932478412	4058546346034
⑪	Cable drum for 22mm spirals	✔	✔	4932478411	4058546346027
	Cable drum for 32mm spirals		✔	4932471719	4058546296186
⑫	Pin key for all cables	✔	✔	4932471717	4058546296162



Inspection cameras

All extension cables are water splash and dust proof.
Extensions are attached between the base camera unit and standard supplied camera cable.

	Description	Cable length (m)	Cable diameter (mm)	Fits inspection cameras	Pack quantity	Min. order quantity	Article Number	EAN Code
	Cable extension: Up to a maximum of 3 extensions can be fixed together	0.9	17	C12 IC	1	1	**48530110**	045242157747
①	Cable extension: Up to a maximum of 5 extensions can be fixed together	0.9	17	C12 AVD,C12 AVA	1	1	**48530141**	045242216529
	Replacement analog camera cable	0.9	9.5	C12 AVD,C12 AVA	1	1	**4931419517**	4002395828234
	1m replacement cable camera for the M-spector camera	1	12	M12 IC AV3	1	1	**48530150**	045242344208
	3m replacement cable camera for the M-spector camera	3	12	M12 IC AV3	1	1	**48530151**	045242344222
②	1 m articulating cable	1	12	M12 IC AV3	1	1	**48530155**	045242344215
③	Skid set for M18™SIC36	-	-	M18 SIC36	1	1	4931473616	4058546354923
④	Skid set for M18™SIC60	-	-	M18 SIC60	1	1	4931473638	4058546355142
⑤	Grounding kit for M18™SISH	-	-	M18 SISH	1	1	4931473526	4058546354022

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Caulk guns - System attachments

	Description	Fits caulk guns	Pack quantity	Min. order quantity	Article Number	EAN Code
①	310 ml standard carriage. Accepts all standard 250 ml and 310 ml tubes/cartridges Includes plunger rod assembly (4932352937), piston for carriage assemblies and a feed screw (44700330)	C18 PCG	1	1	**48081076**	045242263127
②	310 ml standard carriage. Accepts all standard 250 ml and 310 ml tubes/cartridges Includes plunger rod assembly (4932430099), piston for carriage assemblies and a feed screw (44700330)	C12 PCG	1	1	**48080900**	045242286355
③	310 ml aluminium sausage tube barrel. Accepts standard 310 ml "sausage style" material packs and 380 ml cartridges. Requires plunger rod 49520660	PCG 14 / 300,PCG 14 / 600	1	1	**48081085**	045242089246
④	400 ml aluminium sausage tube barrel. Accepts standard 400 ml "sausage style" material packs (includes 2 end cups). Requires plunger rod (48091090) and piston (44700375)	C18 PCG,C12 PCG	1	1	**4932352844**	4002395375028
⑤	600 ml aluminium sausage tube barrel. Accepts standard 600 ml "sausage style" material packs (includes 2 end cups). Requires plunger rod (48091091) and piston (44700375)	C18 PCG,C12 PCG	1	1	**4932352845**	4002395375035
⑥	400 ml transparent sausage tube barrel. Accepts standard 400 ml "sausage style" material packs (includes 2 end cups). Requires plunger rod (48091090) and piston (44700375)	C18 PCG,C12 PCG	1	1	**4932352842**	4002395375004
⑦	600 ml transparent sausage tube barrel. Accepts standard 600 ml "sausage style" material packs (includes 2 end cups). Requires plunger rod (48091091) and piston (44700375)	C18 PCG,C12 PCG	1	1	**4932352843**	4002395375011
⑧	Plunger rod assembly for 310 ml cartridges. For use with: 48081076 310 ml standard carriage	C18 PCG	1	1	**4932352937**	4002395375950
⑨	Plunger rod assembly for 310 ml carriage. For use with: 48080900 310 ml standard carriage	C12 PCG	1	1	**4932430099**	4002395377602
⑩	Plunger rod short (340 mm long). For use with: 48081075 carriage and 48081085 "sausage style" barrel	PCG 14 / 300,PCG 14 / 600	1	1	**49520600**	045242190201
⑪	Plunger rod assembly for 400 ml sausage tube barrel. For use with: 4932352844 400 ml aluminium sausage tube barrel. 4932352842 400 ml transparent sausage tube barrel	C18 PCG	1	1	**48091090**	045242263158
⑫	Plunger rod assembly for 400 ml sausage tube barrel. For use with: 4932352844 400 ml aluminium sausage tube barrel. 4932352842 400 ml transparent sausage tube barrel	C12 PCG	1	1	**4932430100**	4002395377619
⑬	Plunger rod assembly for 600 ml sausage tube barrel. For use with: 4932352845 600 ml aluminium sausage tube barrel. 4932352843 600 ml transparent sausage tube barrel	C18 PCG	1	1	**48091091**	045242263165
⑭	Plunger rod assembly for 600 ml sausage tube barrel. For use with: 4932352845 600 ml aluminium sausage tube barrel. 4932352843 600 ml transparent sausage tube barrel	C12 PCG	1	1	**4932430101**	4002395377626
⑮	Piston for carriage assemblies	C18 PCG,C12 PCG	1	1	**44700330**	045242260928
⑯	Piston for sausage tube barrels	C18 PCG,C12 PCG	1	1	**44700375**	045242277438
⑰	Replacement nozzle	PCG 14 / 300,PCG 14 / 600,C18 PCG,C12 PCG	1	1	**45760525**	4002395775323

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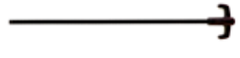
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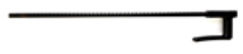
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Electrical Test & Measuring - System attachments

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Electrical test probes (max. 1000 Volts/ 10 Amps) heads 125 mm long	1	1	**49771004**	045242238965
②	Electrical alligator clips (max. 1000 Volts/ 10 Amps)	1	1	**49771005**	045242238972



Heated jackets - System attachments

M18™ USB Power Source - M18™ USB PS HJ. Powers the jacket on M18™ battery packs. USB charging port for MP3 player, mobile phone, digital camera, GPS.
12 V Car Plug - 12 V CP HJ. Powers the jacket on any 12 V cigarette style outlet.

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	M18™ 2.1A USB controller (M18 USB PS HJ2)	1	1	**4932471597**	4058546294960
②	M12™ car plug (12 V CP HJ)	1	1	**4932430085**	4002395377466



M12™ / M18™ dust absorption system

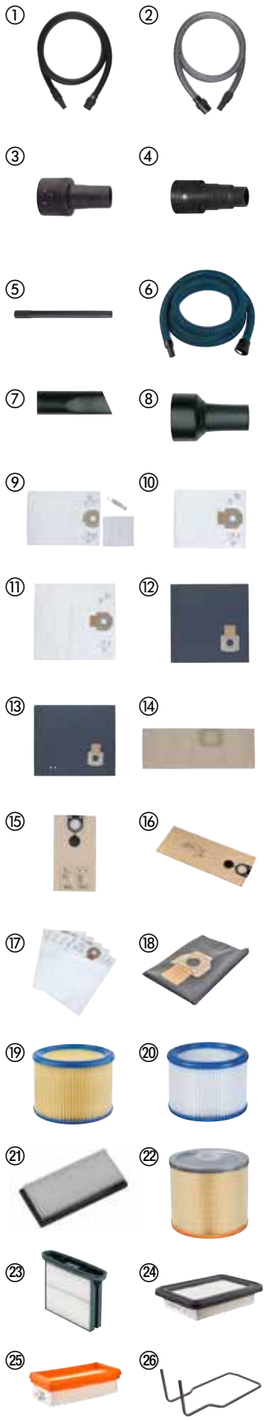
	Description	Fits Milwaukee dust absorption systems	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Drilling nozzle	M18 CDEX / M18/28 CPDEX,M12 DE	2	1	**49902301**	045242337279
②	Filter	M18 CDEX / M18/28 CPDEX,M12 DE	3	1	**49902306**	045242299454
③	Crevice nozzle	M12 DE	1	1	**49902325***	045242297603
④	**Filter set (3pc)** Filter box, filter, box lid	M12 DE	3	1	**49902340**	045242299461
⑤	M18 & M28 Dustbox with filter box, filter	M18 CDEX / M18/28 CPDEX	4	1	**49902342**	045242341948
⑥	Dust thru-box to allow connection of the M12 DE to an independent dust extraction / vacuum cleaner. Outlet nozzle: Ø 37 mm outside / Ø 32 mm inside		1	1	**4932430479**	4002395381401
	Drilling shroud - PHDE152. For drilling and dry coring from Ø 25 - 152 mm. Brush insert to improve suction and extraction.		1	1	**4932471990**	4058546298890



Dust absorption solutions - System attachments

Vacuum cleaners

		Description	Fits Milwaukee dust	Pack quantity	Min. order quantity	Article Number	EAN Code
①	System Ø 35 mm	Extraction hose, anti static. 4 m long 36 mm diameter with tool adaptor	AS 300 ELCP,AS 500 ELCP,AS 300 EMAC	1	1	**4932352311**	4002395369706
②		Extraction hose. 3.5 m long 32 mm diameter with tool adaptor	AS 250 ECP	1	1	**4932352312**	4002395369713
③		Adaptor for direct connection of suction hose 330552	AS 1,AS 2 C	1	1	**4932430833**	4002395384952
④		Universal adaptor Ø 35 / 33 / 27 mm	WDC 1400 A,AS 1,AS 2 C,AS 3 W,ASE 1400,ASM 1400	1	1	**4932369282**	4002395338412
⑤		Ø 35 mm suction tube 50 cm plastic	ASE 1400,AS 1,AS 2 C,ASM 1400	1	1	**4932346620**	4002395319503
⑥		Extraction hose Ø 35 mm / 5 m	ASE 1400,ASM 1400	1	1	**4932373626**	4002395351534
⑦	System Ø 50 mm	Ø 50 mm wide gap nozzle.	ASE 1400,AS 1,AS 2 C,ASM 1400	1	1	**4932316070**	4002395310449
⑧		Ø 50 mm to Ø 35 mm reduction sleeve	ASE 1400,AS 1,AS 2 C,ASM 1400	1	1	**4932316074**	4002395310456
⑨	Filter bags	5 x 25 l fleece filter bags	AS 250 ECP	5	1	**4932352306**	4002395369652
⑩		5 x 30 l fleece filter bags	AS 300 ELCP,AS 300 EMAC,AS 300 ELAC	5	1	**4932352307**	4002395369669
⑪		5 x 50 l fleece filter bags	AS 500 ELCP	5	1	**4932352308**	4002395369676
⑫		Filter bags: 5 x plastic bags, 30 l	AS 250 ECP,AS 300 ELCP,AS 300 EMAC	5	1	**4932352309**	4002395369683
⑬		Filter bags: 5 x plastic bags, 50 l	AS 500 ELCP	5	1	**4932352310**	4002395369690
⑭		Filter bags. Heavy duty 3 x 18 l paper bags	NT 1500 A	1	1	**4932373669***	4002395351824
⑮		Filter bags. Heavy duty 5 x 25 l paper bags	RSE 1400	5	1	**4932373852**	4002395352821
⑯		Filter bags. Heavy duty 5 x 50 l paper bags	ASE 1400,ASM 1400	5	1	**4932373621**	4002395351503
⑰		Fleece filter bags for AS 30/42	AS 30 LAC,AS 30 MAC,AS 42 MAC	5	1	**4932459689**	4058546028619
⑱		Disposable bags 30 l	AS 42 MAC,AS 30 MAC,AS 30 LAC	5	1	**4932459690**	4058546028626
⑲	Filters	Filter cartridge	AS 250 ECP,AP 250 ECP	1	1	**4932352303**	4002395369621
⑳		Filter cartridge	AS 300 ELCP,AS 500 ELCP,AS 2-250 ELCP	1	1	**4932352304**	4002395369638
㉑		Filter cartridge	AS 300 EMAC,AS 300 ELAC	2	1	**4932352305**	4002395369645
㉒		Filter cartridge, 7000 cm², BIA usage Cat. C	AS 3 W	1	1	**4932346588***	4002395319473
㉓		Flat folded polyester filter cartridge, 2 pcs	ASE 1400,ASM 1400	1	1	**4932373623**	4002395351510
㉔		PTFE flat filter	AS 30 LAC,AS 42 MAC,AS 30 MAC	1	1	**4932459687**	4058546028596
㉕		Motor cooling filter	AS 42 MAC,AS 30 MAC,AS 30 LAC	1	1	**4932459688**	4058546028602
㉖		Metal push handle	AS 42 MAC,AS 30 MAC,AS 30 LAC	1	1	**4932459691**	4058546028633



* while stocks last



Hand Tools

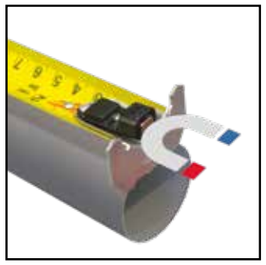
Tape measures STUD™ II



- EXO 360™ blade technology delivers long lasting, rip and wear resistance.
- Strong magnet at start of the tape allows easy hooking onto flat surfaces and round pipe.
- Up to 4 m standout - higher standout for higher efficiency and higher reach.
- Anti-tear coating - reinforces the first 15 cm of the blade.
- 2 sided blade printing - increases the readability.
- Patented finger stop - protects fingers from blade retraction.
- ABS housing with impact resistant overmold for more comfort and jobsite durability.
- Wire form belt clip - reduces pocket tearing.
- Tool lanyard hole - Ready for quick and easy tethering.
- Class II accuracy.

EXO 360™ BLADE TECHNOLOGY™

Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
STUD Gen2 5 m	5	33	1	6	**4932471626**	4058546295257
STUD Gen2 8 m	8	33	1	6	**4932471627**	4058546295264
STUD Gen2 5 m 16 ft	5 / 16'	33	1	6	**4932471628**	4058546295271
STUD Gen2 8 m 26 ft	8 / 26'	33	1	6	**4932471629**	4058546295288



Strong magnet







4M STANDOUT



Premium wide blade tape measures

- Up to 4 m standout - higher standout for higher efficiency and higher reach.
- Anti-tear coating - reinforces the first 15 cm of the blade.
- 2 sided blade printing - increases the readability.
- Impact resistant 5 points - reinforces the frame and makes it more durable.
- Patented finger stop - protects fingers from blade retraction.
- Wire form belt clip - reduces pocket tearing.
- Nylon bond blade protection - reduces tape tear.
- Tool lanyard hole - Ready for quick and easy tethering.





4M STANDOUT

Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Premium Wide Blade 5 m	5	33	1	6	**4932471815**	4058546297145
Premium Wide Blade 8 m	8	33	1	6	**4932471816**	4058546297152
Premium Wide Blade 5 m 16 ft	5 / 16'	33	1	6	**4932471817**	4058546297169
Premium Wide Blade 8 m 26 ft	8 / 26'	33	1	6	**4932471818**	4058546297176





Magnetic tape measures GEN III



- Strong magnet at start of the tape allows easy hooking onto flat surfaces and round pipe.
- Compact and ergonomic design.
- Improved standout up to 3.4 m.
- Nylon non-reflective bond blade protection, up to 10x more resistant to jobsite damage.
- 27 mm blade with double sided printing on tape for easier readability.
- Patented finger stop: stable when stands alone.
- 5-point reinforced frame for jobsite durability.
- Class II accuracy.
- Architect scale provides easy calculating of scaled drawings.



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Magnetic Tape Measure 5 m	5	27	1	6	**4932464599**	4058546225445
Magnetic Tape Measure 8 m	8	27	1	6	**4932464600**	4058546225452
Magnetic Tape Measure 5 m - 16 ft	5 / 16'	27	1	6	**4932464602**	4058546225476
Magnetic Tape Measure 8 m - 26 ft	8 / 26'	27	1	6	**4932464603**	4058546225483



Tape measure Autolock

- Autolock brake: tape automatically locks in place as blade is pulled out.
- Nylon coated blade protection against debris, dirt and water.
- 5 Point reinforced housing for outstanding tape lifetime.
- ABS housing with impact resistant overmold for more comfort and jobsite durability.
- Compact design and comfortable size.
- Heavy Duty belt clip.
- Class II accuracy.
- Bulk packed, order in multiples of 6pcs.



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Tape measure Autolock 5 m	5	25	1	6	**4932464663**	4058546226084
Tape measure Autolock 8 m	8	25	1	6	**4932464664**	4058546226091
Tape measure Autolock 5 m - 16 ft	5	25	1	6	**4932464665**	4058546226107
Tape measure Autolock 8 m - 26 ft	8	25	1	6	**4932464666**	4058546226114



Tape measures pro compact

- Improved ergonomics and comfortable size.
- Jobsite durability.
- 5-point reinforced housing.
- 2G nylon coated blade protection.
- Improved tape tear and flexibility.
- Withstands 3 m drop test.
- Non magnetic.
- Heavier font on measurements for better readability.
- Smaller compact hook design.
- Back rest for easy vertical measuring.
- Improved belt clip: more pocket friendly.



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Tape measure pro compact C5/25	5	25	1	6	**4932459593**	4058546027650
Tape measure pro compact C8/25	8	25	1	6	**4932459594**	4058546027667
Tape measure pro compact C5-16/25	5 / 16'	25	1	24	**4932459595**	4058546027674
Tape measure pro compact C8-26/25	8 / 26'	25	1	12	**4932459596**	4058546027681



Tape measure with LED Light

- 19 LUX LED Light: helps finding measured spot.
- Nylon lacquer blade protection against debris, dirt and water.
- 4 Point reinforced housing for outstanding tape lifetime.
- ABS housing with impact resistant overmold for more comfort and jobsite durability.
- Compact design and comfortable size.
- Magnet on the rear side of the tape for attaching to metal tool boxes and other metal surfaces.
- 2x CR2016 batteries are included in the delivery scope.
- Class II accuracy.
- Bulk packed, order in multiples of 12 pcs.



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
3m/10ft tape measure with LED	3	12	1	12	**48226602**	045242529285



Tape measures slimline

- Very compact and improved ergonomic design.
- Nylon coated blade protection against debris, dirt and water.
- ABS housing with softgrip rubber gripping area for extra comfort and jobsite durability.
- 4-point reinforced frame.
- Flat base for horizontal stability and back rest for easy vertical measuring.
- Belt clip.
- Class II accuracy.
- Orders are only possible in master cartons with 24,12 or 6 tapes depending on sku.



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
S5 / 25	5	25	1	6	**48227706**	045242512911
S8 / 25	8	25	1	6	**48227708**	045242512928
S5-16 / 25	5/16'	25	1	24	**48227717**	045242512935
S8-26 / 25	8/26'	25	1	24	**48227726**	045242512942



Tape measure - 2 m / 6 ft



- 5-point reinforced frame for job site durability.
- Heavy duty blade with 13 mm blade width.
- Double sided nylon bond blade protection for extreme tape durability against dust, dirt, debris and water.
- Compact design and overmould gripping area for extra comfort and durability.
- Bulk packed, order in multiples of 12 pcs.

Description	Length (m)	Pack quantity	Min. order quantity	Article Number	EAN Code
2 m/6 ft metric & imperial tape measure	2	1	12	**48225502**	045242468034

Composite folding rule

- Locks at 90°/180°.
- Angle reference, rust free.
- Water resistant.
- Wear resistant markings.



Description	Length (m)	Blade width (mm)	Accuracy	Links	Hinge	Pack quantity	Min. order quantity	Article Number	EAN Code
Composite folding rule	2	15 x 3.20	Class 2	10	Plastic and stainless steel	1	10	**4932459301**	4058546002671

Wood folding rule

- Locks at 90°/180°.
- Angle reference.



Description	Length (m)	Blade width (mm)	Accuracy	Links	Hinge	Pack quantity	Min. order quantity	Article Number	EAN Code
Wood folding rule	2	16 x 3.20	Class 3	10	Brass	1	12	**4932459302**	4058546002688

Slim wood folding rule

- Locks at 180°.
- Flexible slim design.



Description	Length (m)	Blade width (mm)	Accuracy	Links	Hinge	Pack quantity	Min. order quantity	Article Number	EAN Code
Slim wood folding rule	2	16 x 2.70	Class 3	10	Brass	1	10	**4932459303**	4058546002695

Long open tapes

- Steel blade design with nylon clad (extra thick nylon coating) for increased durability.
- Best in class stretch performance: up to 50% less stretch vs. fibreglass tapes.
- Ultra durable design: reinforced metal handle and drop durability.
- 3:1 clutched planetary gearing for 10x longer gear durability and smooth rewind.
- GRIME GUARD: debris wiper keeps blade clean and clear of abrasive material.
- Class II accuracy.
- 2 sided scale printing. Metric measurements shown on the top side and imperial (inches and feet) on the underside of the blade.

① 

② 

	Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Long open tape combi 30m/100ft	30	13	1	1	**48225203**	045242486069
②	Long open tape combi 100m/330ft	100	9.5	1	1	**48225211**	045242486076

Fibreglass long tapes

- Fibreglass blade ensures a low tape weight
- 3:1 clutched planetary gearing for 10x longer gear durability and smooth rewind.
- GRIME GUARD: debris wiper keeps blade clean and clear of abrasive material.
- 2 sided scale printing. Metric measurements shown on the top side and imperial (inches and feet) on the underside of the blade.

① 

② 

	Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Fibreglass long tape combi 30m/100ft	30	13	1	1	**48225330**	045242527731
②	Fibreglass long tape combi 60m/200ft	60	13	1	1	**48225360**	045242527748

Long closed tapes

- Single sided 30 m metric tape with 9.5 mm blade width.
- GRIME GUARD: debris wiper keeps blade clean and clear of abrasive material.
- Ultra durable design: reinforced metal frame housing, reinforced handle and steel blade with nylon coating.
- 3:1 clutched planetary gearing for 10x longer gear durability and smooth rewind.
- Class II accuracy



Description	Length (m)	Blade width (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Long closed tape 30m	30	9.5	1	1	**48225103**	045242486106

REDSTICK™ DIGITAL LEVELS

NEW



HEAVY DUTY DESIGN

- Increased frame and strength
- 2x stronger display
- IP65 rating

BEST USER EXPERIENCE

- Enhanced visual and audio signals
- AUTO MODE - Screen automatically adjusts to the environment based on the amount of light

PRECISION ACCURACY

- PIN MODE - Quickly set and save any measurement with 360°
- DYNAMIC READOUT - Delivers enhanced graphics when approaching the target
- Accurate to: 0°, 90°/.03° and 1°-89°/.10



REDLITHIUM™ USB RECHARGEABLE BATTERY PROVIDES ALL DAY RUN TIME



Digital levels



Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
Digital level 60 cm	60	0	1	1	**4933471978**	4058546298777
Digital level 120 cm	120	2	1	1	**4933471979**	4058546298784





Expandable level



- Cover any length from 200 cm - 366 cm with laser etched measurements.
- SHARPSITE™ vial technology improves the readability of the vial.
- Reinforced internal components protect the level from damage or wear.
- Precision milled measuring surface provides accuracy in all working positions.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) In normal and reverse position.
- High contrast vial system is easy to clean and optimises visibility.
- Full grip frame for improved ergonomics in transport & application.
- Secure tool-removable stand offs.



Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
Expandable 200cm - 366cm	200 - 366	2	1	1	**4932471355**	4058546289836

30 YEARS ACCURACY GUARANTEE
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www.milwaukeetool.eu



REDSTICK™

DURABLE. GUARANTEED ACCURACY.

ACCURACY GUARANTEE



1. Shock absorbing end caps protect the frame.
2. Durable, All-Metal Hang Hole for storage
3. Wide, durable handles for comfort and portability
4. High Contrast Vial System is easy to clean and optimizes visibility
5. Over-moulded, non-slip grips stick to the wall and prevent sliding
6. Precision milled measuring surface guarantees accuracy in all working positions

SHARPSITE™ VIAL TECHNOLOGY IMPROVED Readability

ALL-METAL REINFORCED BACKBONE™

AMPLIFIED RARE-EARTH MAGNETS

REDSTICK™ BACKBONE™ box levels



- All-metal BACKBONE™. Strong and durable frame. Reinforced vial retention.
- SHARPSITE™ vial technology improves the readability of the vial.
- Wide, durable handles for comfort and portability.
- Precision milled measuring surface provides accuracy in all working positions.
- High contrast vial system is easy to clean and optimises visibility.
- Shock absorbing end caps protect the frame.
- Overmolded, non-slip grips stick to the wall and prevent sliding.
- Durable, all-metal hang hole for storage.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) In normal and reverse position.
- Amplified rare earth magnets for maximum holding power (only magnetic levels).

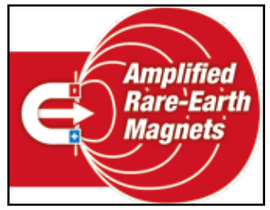




Strong and durable frame, all metal reinforced BACKBONE™



SHARPSITE™ vial technology improves the readability of the vial



Amplified rare earth magnets for maximum holding power (only magnetic levels)

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Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
40 cm magnetic	40	0	1	1	**4932459061**	4002395280322
60 cm magnetic	60	0	1	1	**4932459063**	4002395280346
80 cm magnetic	80	1	1	1	**4932459065**	4002395280360
100 cm magnetic	100	0	1	1	**4932459067**	4002395280384
120 cm magnetic	120	2	1	1	**4932459069**	4002395281008
180 cm magnetic	180	2	1	1	**4932459071**	4002395281046
200 cm magnetic	200	2	1	1	**4932459073**	4002395281060
240 cm magnetic	240	2	1	1	**4932459075**	4002395281084
40 cm non-magnetic	40	0	1	1	**4932459060**	4002395280315
60 cm non-magnetic	60	0	1	1	**4932459062**	4002395280339
80 cm non-magnetic	80	1	1	1	**4932459064**	4002395280353
100 cm non-magnetic	100	0	1	1	**4932459066**	4002395280377
120 cm non-magnetic	120	2	1	1	**4932459068**	4002395280391
180 cm non-magnetic	180	2	1	1	**4932459070**	4002395281015
200 cm non-magnetic	200	2	1	1	**4932459072**	4002395281053
240 cm non-magnetic	240	2	1	1	**4932459074**	4002395281077
End-caps for REDSTICK™ BACKBONE™ levels			2	1	**4932459680**	4058546028527

REDSTICK™ compact box levels





- SHARPSITE™ vial technology improves the readability of the vial.
- Compact and durable frame.
- Bottom milled measuring surface provides maximum accuracy.
- High contrast vial system is easy to clean and optimises visibility.
- Amplified rare earth magnets for maximum holding power (only magnetic levels).
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) in standard position.
- Shock absorbing rubber end caps.

30 YEARS ACCURACY GUARANTEE
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Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
40 cm magnetic	40	0	1	1	**4932459079**	4002395281725
60 cm magnetic	60	0	1	1	**4932459081**	4002395281749
80 cm magnetic	80	0	1	1	**4932459083**	4002395281763
100 cm magnetic	100	0	1	1	**4932459085**	4002395281787
120 cm magnetic	120	0	1	1	**4932459087**	4002395282401
180 cm magnetic	180	0	1	1	**4932459089**	4002395282425
40 cm non-magnetic	40	0	1	1	**4932459078**	4002395281718
60 cm non-magnetic	60	0	1	1	**4932459080**	4002395281732
80 cm non-magnetic	80	0	1	1	**4932459082**	4002395281756
100 cm non-magnetic	100	0	1	1	**4932459084**	4002395281770
120 cm non-magnetic	120	0	1	1	**4932459086**	4002395281794
180 cm non-magnetic	180	0	1	1	**4932459088**	4002395282418
End-caps for REDSTICK™ compact levels			2	1	**4932459681**	4058546028534

REDSTICK™ concrete levels





- SHARPSITE™ vial technology improves the readability of the vial.
- Ergonomic keyhole profile delivers maximum durability and continuous grip across entire level.
- Wide magnesium base for enhanced screeding functionality and cleanability.
- Dedicated working edges include a rounded and a squared bottom edge for cutting and finishing concrete.
- High contrast vial system is easy to clean and optimises visibility.
- Vial surrounds are optimised for screeding applications and cleanability.
- Slope vials rated for 1/8″ & 1/4″ (1% & 2%).

30 YEARS ACCURACY GUARANTEE
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Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
60 cm non-magnetic	60	0	1	1	**4932459893**	4058546030650
120 cm non-magnetic	120	0	1	1	**4932459894**	4058546030667
180 cm non-magnetic	180	0	1	1	**4932459895**	4058546030674

Slim box levels





- 2 solid acrylic vials. Shockproof and UV resistant.
- Precision milled measuring surface up to 120 cm provides maximum accuracy.
- Shock absorbing end caps.
- Durable hang hole for storage.
- VPA third party certificate on accuracy.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) in standard position.

10 YEARS ACCURACY GUARANTEE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
40 cm magnetic	40	1	1	**4932464854**	4058546227999
60 cm magnetic	60	1	1	**4932464855**	4058546228002
100 cm magnetic	100	1	1	**4932464856**	4058546228019
180 cm magnetic	180	1	1	**4932464857**	4058546228026
20 cm non-magnetic	**20**	**1**	**10**	**4932472091**	**4058546324872**
40 cm non-magnetic	40	1	1	**4932459090**	4002395282432
60 cm non-magnetic	60	1	1	**4932459091**	4002395282449
80 cm non-magnetic	80	1	1	**4932459092**	4002395282456
100 cm non-magnetic	100	1	1	**4932459093**	4002395282463
120 cm non-magnetic	120	1	1	**4932459094**	4002395282470
180 cm non-magnetic	180	1	1	**4932459095**	4002395282487
200 cm non-magnetic	200	1	1	**4932459590**	4058546027629

I-beam levels

NEW





- Lightweight reinforced aluminium frame.
- Magnetic edge allows hands free use when working with metal.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) In normal and reverse position.
- Pitch Vial for easy reading of 1 and 2 degree pitch.
- High contrast vial surrounds for maximised visibility.
- Shock absorbing end caps.

10 YEARS ACCURACY GUARANTEE
JAHRE GENAUIGKEITSGARANTIE
ANS DE PRÉCISION GARANTIE
www.milwaukeetool.eu

Description	Length (cm)	Handles	Pack quantity	Min. order quantity	Article Number	EAN Code
I-Beam Level Magnetic - 60 cm	60	1	1	1	**4932478565**	4058546347581
I-Beam Level Magnetic - 120 cm	120	2	1	1	**4932478566**	4058546347598
I-Beam Level Magnetic - 200 cm	200	2	1	1	**4932478567**	4058546347604

REDCAST die-cast levels





- 2 solid acrylic vials. Shockproof and UV resistant.
- 2 Heavy Duty cast aluminium "anvil" strike pads for trowel blows during tile work.
- Drill bit diameter gauge in the level's profile from 5 to 12 mm.
- Precision milled measuring surface provides maximum accuracy.
- Durable hang hole for storage.
- VPA third party certificate on accuracy.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m).

10 YEARS ACCURACY GUARANTEE
JAHRE GENAUIGKEITSGARANTIE
ANS DE PRÉCISION GARANTIE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
REDCAST die-cast level 60 cm	60	1	1	**4932459098**	4002395283118
REDCAST die-cast level 80 cm	80	1	1	**4932459099**	4002395283125

Block torpedo level





- SHARPSITE™ vial technology improves the readability of the vial.
- Locking 360° adjustable vial. Identify and repeat any angle needed on the jobsite. Lock vial in place to keep accuracy in and out of pocket/pouch.
- Amplified rare earth magnets for maximum holding power.
- Reinforced plumb vials. Solid, acrylic block vials offer maximum durability.
- Die cast aluminium body withstands the conditions of the jobsite.
- Precision milled measuring surface provides maximum accuracy.
- Lanyard hole for use with all most prevention programs.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m).

30 YEARS ACCURACY GUARANTEE
JAHRE GENAUIGKEITSGARANTIE
ANS DE PRÉCISION GARANTIE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Block torpedo level	25	1	1	**4932459096**	4002395282494

Billet torpedo level





- Amplified rare earth magnets for maximum holding power.
- Maximised viewing area. Easily read slope in 1/8″ or 1/4″ per foot in either direction.
- Reinforced acrylic vials offer maximum durability.
- Weld clearance. Easily level over weld joints in pipes and other materials.
- Optimised V-groove design for stability on non-ferrous pipes.
- Laser etched ruled edge for quick measurements on material.
- Slim, tapered design for easy sliding in and out of pockets and pouches.

10 YEARS ACCURACY GUARANTEE
JAHRE GENAUIGKEITSGARANTIE
ANS DE PRÉCISION GARANTIE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Billet torpedo level	17	1	1	**4932459097**	4002395283101

Pocket level





- 360° adjustable vial for reading angles.
- Locking mechanism for repetitive use in and out of pocket/pouch.
- Amplified Rare-Earth magnets for maximum holding power.
- V-groove for leveling on pipes.
- Milled edge to ensure accuracy.
- Compact size for jobsite functionality.



10 YEARS ACCURACY GUARANTEE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Pocket level	7.8	1	6	**4932459597**	4058546027698

Compact torpedo





- SHARPSITE™ Pitch Vial for easy reading of 1 and 2 degree pitch.
- Sub compact design for working in tight spaces.
- Optimized V-grove design for stability of rounded surfaces.
- Weld clearance to level over weld lines in pipe and other material.
- Amplified rare earth magnets for maximum holding power.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m).

Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Compact torpedo	7.6	1	1	**4932472122**	4058546325183

Minibox level







- Lightweight aluminium box profile fits easily into your tool belt or pocket.
- Solid acrylic vial. Shockproof and UV resistant vials.
- Shockproof end caps.
- Accurate to 0.029° (0.0005 ″/in, 0.5 mm/m) in standard position.
- VPA third party certificate on accuracy.

10 YEARS ACCURACY GUARANTEE
JAHRE GENAUIGKEITSGARANTIE
ANS DE PRÉCISION GARANTIE
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Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Minibox level	10	1	10	**4932459100**	4002395283446

Chalk reel

- Extra bold lines - 2 mm thick line for maximum visibility.
- Planetray gear system for increased durability.
- 4/1 gear ratio for fast line retraction.
- Large chalk capacity.
- Easy refills due to the extra large quick turn opening.
- Easy line securing due to the line lock.





	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	30 m large capacity chalk reel	1	1	**4932471634**	4058546295332
②	45 m large capacity chalk reel	1	1	**4932471635**	4058546295349
③	30 m replacement line chalk reel	1	1	**4932471636**	4058546295356
	45 m replacement line chalk reel	1	1	**4932471637**	4058546295363

Framing Square

- Reinforced Frame.
- Laser etched markings provide superior visibility
- Precision scribe notches for easy marking.
- Common conversion table.
- Markings to assist in angle finding.





Description	Length (cm)	length (Inch)	Pack quantity	Min. order quantity	Article Number	EAN Code
Framing Square Metric	40cm x 60cm	-	1	1	**4932472126**	4058546325220
Framing Square Imperial	-	16″ x 24″	1	1	**4932472125**	4058546325213

Rafter Square

- Precision Scribe Notches for easy marking.
- High Visibility Laser Etched Markings.
- Pipe Prop to assist in cutting pipe materials.
- Increased heel width for improved grip.





Description	Length (cm)	length (Inch)	Pack quantity	Min. order quantity	Article Number	EAN Code
Rafter Square Metric	18cm	-	1	1	**4932472123**	4058546325190
Rafter Square Imperial	-	7″	1	1	**4932472124**	4058546325206

INKZALL™ markers

- Stays sharp, doesn't mushroom or push back under pressure.
- Acrylic nib ideal for rough surfaces such as OSB and concrete.
- Marker continues to write after 72+ hours of cap off time.
- For use on concrete, wood, metal, plywood, OSB, plastic.
- Can be used on wet, oily, dusty, rusty, with debris surfaces.
- Quick dry time – reduced smearing markings on PVC, metal surfaces.
- Thin body for use in restricted areas.
- Helmet clip – can be clipped to the construction site cap, trousers, overalls.
- Easy open cap for one hand operation.
- Anti-Roll design - won't roll off surfaces.













	Description	Colour	Tip	Pack quantity	Min. order quantity	Article Number	EAN Code
①	INKZALL™ marker*	Black	1mm	1	36	**48223100**	045242319473
②	INKZALL™ marker*	Red	1mm	1	36	**48223170**	045242355259
③	INKZALL™ marker with stylus	Black	1 mm	1	1	**48223101**	045242297436
④	INKZALL™ fine tip markers	Black	0.6 mm	4	1	**48223154**	045242479764
⑤	INKZALL™ colour markers Blue, red, green and black		1mm	4	1	**48223106**	045242333585
⑥	INKZALL™ chisel point marker	Black	1- 4,8 mm	1	1	**48223103**	045242333608

* Orders are only possible in master cartons (contains 36 x 48223100). Minum order quantity is 36 pcs (= 1 master carton). Order quantities greater than 36 pcs are to be ordered in multiples of 36 pcs (i.e. 72, 108, 144, 180...).

INKZALL™ chisel tip markers

- Marker continues to write after 72+ hours of cap off time.
- Can be used on wet, oily, dusty, rusty, with debris surfaces.
- For use on concrete, wood, metal, plywood, OSB, plastic.
- Quick dry time – reduced smearing markings on PVC, metal surfaces.
- Easier to read from a distance due to the increased chisel tip sizes.



	Description	Colour	Tip	Pack quantity	Min. order quantity	Article Number	EAN Code
①	INKZALL™ black chisel tip marker L (3pc)	Black	6,2mm	3	1	**4932471554**	4058546294533
②	INKZALL™ black chisel tip marker L	Black	6,2mm	1	12	**4932471555**	4058546294540
③	INKZALL™ red chisel tip marker L	Red	6,2mm	1	12	**4932471556**	4058546294557
④	INKZALL™ blue chisel tip marker L	Blue	6,2mm	1	12	**4932471557**	4058546294564
⑤	INKZALL™ black chisel tip marker XL (1 pack)	Black	14,5mm	1	1	**4932471558**	4058546294571
⑥	INKZALL™ black chisel tip marker XL	Black	14,5mm	1	12	**4932471559**	4058546294588
⑦	INKZALL™ red chisel tip marker XL	Red	14,5mm	1	12	**4932471560**	4058546294595
⑧	INKZALL™ blue chisel tip marker XL	Blue	14,5mm	1	12	**4932471561**	4058546294601



INKZALL™ liquid paint markers

- Valve action marker.
- Durable acrylic nib for the most demanding environmental conditions: surface temperature from -10° up to + 145°.
- Marks on dark surfaces where traditional markers would not be easily visible.
- Can be used on rough, dirty and greasy surfaces.
- For use on concrete, black pipe, aluminium, PVC, steel & stainless steel, rubber and tyres.
- 10 seconds dry time.
- Water and UV resistant markings.
- Permanent markers. Markings last up to 6 months.
- Metal barrel for construction site durability.
- Xylene-free paint.
- IMPORTANT: Shake the marker with the cap on. Remove the cap and carefully pump it up and down until ink flows into the nib.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① INKZALL™ liquid paint marker - white	1	12	**48223711**	045242363360
② INKZALL™ liquid paint marker - yellow	1	12	**48223721**	045242363377
③ INKZALL™ liquid paint marker - black	1	12	**48223731**	045242363384

INKZALL™ highlighters

- Durable tip stays sharp longer.
- No smearing, doesn't bleed through.
- Non-toxic ink, ASTM D 4236 certification.
- Ideal for architectural drawings, labels, office paper.
- Anti-roll body design for better grip on smooth surfaces.
- Construction helmet clip: the INKZALL™ highlighters can be clipped to the helmet, trousers, overalls, etc.
- Lanyard hole, e.g. to attach the INKZALL™ highlighters to the belt.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① INKZALL™ highlighter - yellow	5	1	**48223201**	045242482573
② INKZALL™ highlighter - coloured	5	1	**48223206**	045242482580

INKZALL™ fine tip pens

- Approx. 0.6 mm tip.
- Clog resistant.
- Main applications: marking of labels for electrical wires, adding comments to architect plans.





Description	Colour	Pack quantity	Min. order quantity	Article Number	EAN Code
① INKZALL™ fine tip pens (4pc) - black	Black	4	1	**48223164**	045242479818
② INKZALL™ fine tip pens (4pc) - coloured	Black, red and blue	4	1	**48223165**	045242479825

FASTBACK™ flip utility knife

- One handed blade opening. User can flip open the blade with one hand for easy activation.
- Integrated gut hook. Allows users to make cuts without exposing the blade.
- Tool free blade change. Less down time in the field for blade changes.
- Wire stripper. Eliminates the need to look for another tool in user's bag.
- Thin body design. Tool is easily stored in user's pocket.
- Belt clip for easy storage.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① FASTBACK™ compact flip utility knife	1	1	**4932471356**	4058546289843
② FASTBACK™ flip utility knife	1	6	**4932471357**	4058546289850
③ FASTBACK™ flip utility knife with blade storage	1	1	**4932471358**	4058546289867

FASTBACK™ 6 in 1 utility knife

NEW

- 1/4″ Hex bit holder with double ended PH2 and SL5.5
- One handed blade opening. User can flip open the blade with one hand for easy activation.
- Tool free blade change. Less down time in the field for blade changes.
- Wire stripper. Eliminates the need to look for another tool in user‘s bag.
- Belt clip for easy storage.
- Integrated bottle opener.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
6 in 1 utility knife	1	1	**4932478559**	4058546347529

FASTBACK™ folding knife

- Press and flip operation permits one-handed opening.
- Resharpenable stainless steel blade.
- Piercing tip allows controlled piercing and smooth cutting.
- Liner lock secures the blade in the open position.
- Lanyard hole.
- Wire form belt clip for quick access without fraying pockets.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
FASTBACK™ folding knife	1	1	**48221990**	045242296842

Compact pocket knife

NEW

- Compact size for carrying in the pocket.
- Resharpenable stainless steel blade.
- Piercing tip allows controlled piercing and smooth cutting.
- Liner lock secures the blade in the open position.
- Lanyard hole.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Compact pocket knife	1	1	**4932478560**	4058546347536

Fixed blade knife

- The fixed blade knife is designed for optimal edge retention and durability
- 4” (101mm) stainless steel blade, optimised to stay sharper longer
- Full metal tang provides durability for tough cut
- Ergonomic handle offers secure and comfortable grip
- Lanyard hole for easy tethering
- Durable moulded sheath with belt clip for fast access





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Fixed blade knife	1	1	**4932464828**	4058546227739

Hawkbill fixed blade knife

- The hawkbill fixed blade knife is ideal for stripping wire and cable.
- Stainless steel blade is optimised to stay sharper longer.
- Full metal tang provides durability for tough cuts.
- Large ergonomic handle designed for comfortable use with gloves.
- Lanyard hole for easy tethering.
- Durable molded sheath with belt clip for fast access.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Hawkbill fixed blade knife	1	1	**4932464829**	4058546227746

HARDLINE™ folding knives

- Premium D2 blade steel provides better corrosion resistance. High strength and wear resistance, stays sharp longer.
- Smooth / serrated 75mm blade and piercing tip. Ideal for tearing through material and tip allows controlled piercing.
- Flip opening with bearing system: can be opened with 2 hands only.
- Opening steel frame lock secures the blade in the open position.
- Glass filled nylon handle with stainless steel.
- Liner lock secures the blade in the open position.
- Lanyard hole.
- Reversible belt clip allows right or left handed carry.





Description	Blade type	Pack quantity	Min. order quantity	Article Number	EAN Code
① HARDLINE™ folding knife - smooth	Smooth	1	1	**48221994**	045242477043
② HARDLINE™ folding knife - serrated	Serrated	1	1	**48221998**	045242359165

HARDLINE™ fixed blade knife

- 5˝ (127mm) AUS-8 Steel blade allows the blade to hold its edge longer, reducing the user’s need to sharpen.
- Full metal tang provides durability for tough cuts.
- Overmolded handle for a strong secure grip, and a lanyard hole.
- Durable multi position sheath for fexible carry option and fast access.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
HARDLINE™ fixed blade knife	1	1	**4932464830**	4058546227753

Fixed blade utility knife

- Ready to use fixed blade for an easier an fastest access to the knife.
- Tool-free blade change: Saves time changing blades. Thumb-screw mechanism allows to change the blade quickly and without any extra tools.
- Blade storage holds up to 5 blades conveniently inside the handle.
- Tool lanyard hole for easy tethering.
- Heavy Duty: Durable full metal body.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Fixed blade utility knife	1	1	**4932471361**	4058546289898

Sliding utility knife

- Side blade activation: Reduces the risk of exposing the blade accidentally.
- Wire stripper: Eliminates the need for another tool in the users bag.
- Tool free blade change: Saves time changing blades.
- Blade storage: Magnetic holder for 5 blades.
- Heavy Duty: Full metal body with rubber overmould for increased comfort and reduced hand slippage.



① 

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① Sliding utility knife	1	6	**4932471359**	4058546289874
② Compact slide utility knife	1	1	**4932478561**	4058546347543

② NEW 

Self-retracting safety knife

- Self-retract mechanism: Retracts blade when the button is released.
- Two blade positions allows user to control cutting depth.
- Blade storage holds up to 5 blades conveniently inside the handle.
- Tool-free blade change: Saves time changing blades. Thumb-screw mechanism allows to change the blade quickly and without any extra tools.
- Heavy Duty: Durable full metal body.
- Wire Stripper: Eliminates the need to look for another tool in users' bag. Cut up the wire up to Ø 5 mm².



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Self-retracting safety knife	1	1	**4932471360**	4058546289881

General purpose utility blades

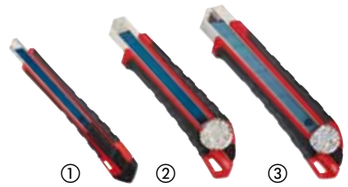
- Iron carbide deposited metal for longer lifetime.
- Optimised cutting angle geometry for sharpness.
- Extra ground cutting edge for cleaner cuts.
- Blades are protected and easily accessible from storage box.



Description	Total length (mm)	Height (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① General purpose utility knife blades	62	19	50	1	**48221950**	045242344444
			5	1	**48221905**	045242268061
② Hook utility knife blades	62	19	50	1	**48221952**	045242286980
③ Carton utility knife blades (rounded).	62	19	5	1	**48221934**	045242286942

Snap knives

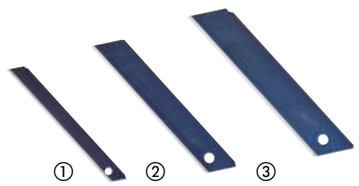
- Metal lock* for maximum durability and longer lifetime.
- Lock with a speed thread* that allows faster blade adjustment.
- Auto-lock slide** for faster blade adjustment.
- Snap-off cap pocket clip** snaps off blade segments.
- Overmolded handle offers a slip resistant grip and is an acetone resistant.
- Iron carbide blade for longer lifetime, increased sharpness and clean cut finish.



Description	Blade width (mm)	No. blade points	Pack quantity	Min. order quantity	Article Number	EAN Code
① Snap knife 9 mm	9	13	1	1	**48221960**	045242296811
② Snap knife 18 mm	18	8	1	1	**48221961**	045242296798
③ Snap knife 25 mm	25	7	1	1	**48221962**	045242296828

Snap blades

- Robust re-usable storage dispenser with easy access to blades.
- Optimized cutting angle geometry for sharpness and improved cutting precision.
- Iron carbide metal for longer life.
- Precise ground cutting edges for cleaner cuts.



Description	Blade width (mm)	No. blade points	Pack quantity	Min. order quantity	Article Number	EAN Code
① Snap blades 9 mm	9	13	10	1	**48229109**	045242288649
② Snap blades 18 mm	18	8	10	1	**48229118**	045242288656
③ Snap blades 25 mm	25	7	10	1	**48229125**	045242288663

PVC saw

- All-metal handle design for best-in-class durability.
- Tool free blade change: up to 10x faster blade change.
- Overmold handle for increased comfort.
- Compact design.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PVC saw	1	1	**48220212**	045242467518
PVC saw replacement blade	1	1	**48220222**	045242467532

Compact hacksaw

- Tool free blade change for changing blades up to 10x faster.
- Compact design, ideal for versatile cutting in tight spaces.
- Adjustable blade length for easier flush cutting.
- Rubber overmould grip for increased comfort.
- Accepts 12″ blades.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Compact hacksaw	1	1	**48220012**	045242204571

Folding jab saw

- Tool free blade change: Change blades up to 10x faster.
- Folding blade: Easier and safer storage.
- Rubber overmould grip: Increased comfort.
- Accepts all Sawzall® blades for increased versatility.
- Supplied with 18 TPi, 150 mm blade.



Description	Blade length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Folding jab saw	150	1	1	**48220305**	045242204618

Hacksaw

- Tough metal frame, supports higher tension (25,000 PSi / 250 lbs).
- Overmould handle ensures secure grip and user comfort.
- Internal blade storage for extra blades.
- Supplied with 12″ / 24 Tpi blade.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Hacksaw	1	1	**48220050**	045242362226

Rasping jab saw

- 150 mm plaster / drywall blade: Extra strong thicker blade making it more resistant for plunge cuts.
- Coated for corrosion protection.
- Rubber overmould: Increased comfort and reduced hand slippage.
- Built in rasping holes: Allows user to rapidly expand holes or smooth rough edges.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Rasping jab saw	1	6	**48229304**	045242480555

Jobsite scissors

- Iron carbide cutting edge for maximum durability. Longer lifetime vs. stainless steel.
- Chrome plated blades for maximum rust protection.
- All metal core: Full metal handle construction to protect from drops and handle breakage.
- Bolt lock technology protects blades from loosening to ensure precise cutting.
- Large handle loops for use with gloves.
- Index finger groove for more comfort.
- Laser edged ruler markings on the blade allows to measure and cut in one go.
- Jobsite offset scissors with micro-serrated blades for maximum durability and better grip.
- Jobsite offset scissors with 60°-offset head allows to keep hand above cutting material.



Description	Total length (mm)	Blade length (mm)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Straight scissors	230	95	180	1	1	**48224044**	045242347483
② Offset scissors	240	115	230	1	1	**48224043**	045242347476



Metal Aviation Snips

- Thumb and forefinger slots for increased comfort and less fatigue. Allows user to push through sheet metal with ease with less risk of cutting oneself.
- Serrated cutting edges prevent slippage when cutting.
- Less hand fatigue when cutting thicker materials. Design with compound leverage action.
- Torsion spring opens jaws automatically during cutting for faster cutting action and less fatigue work.
- Chrome plated rust protected forged blades for increased lifetime. Extra hardened to 65 HRC.
- Made from forged alloy steel for best durability – Cr Steel.
- One hand locking mechanism.
- Flush slimline design for non-snagging in material.
- Triple cutting direction identification – on the head, handle and by colour coded handle.
- Ergonomic and durable overmoulded grips add comfort and last longer.
- Aviation snips: For short, straight and shaped cuts. Ideal for narrow radius cuts and notch cuts.
- Offset snips: For long continuous straight or curved cuts. 45° offset keeps users hand away from the cutting material.
- Extra long aviation snips: For longer and straighter cuts in one go.



Cutting direction	Total length (mm)	Edge length (mm)	Max. cutting capacity aluminium (mm)	Max. cutting capacity stainless steel (mm)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Aviation snips: For short, straight and shaped cuts. Ideal for narrow radius cuts and notch cuts.									
Straight (yellow)	260	31	1.0	0.6	430	1	1	**48224530**	045242503643
Right (green)	260	31	1.0	0.6	430	1	1	**48224520**	045242503636
Left (red)	260	31	1.0	0.6	430	1	1	**48224510**	045242503629
② Offset snips: For long continuous straight or curved cuts. 45° offset keeps users hand away from the cutting material.									
Straight (yellow)	260	37	1.0	0.6	430	1	1	**48224532**	045242503674
Right (green)	260	30	1.0	0.6	430	1	1	**48224522**	045242503667
Left (red)	260	30	1.0	0.6	430	1	1	**48224512**	045242503650
③ Extra long aviation snips: For longer and straighter cuts in one go.									
Straight (yellow)	310	76	1.0	0.6	450	1	1	**48224537**	045242503681
Left (offset)	290	63	1.0	0.6	450	1	1	**48224538**	045242503698
④ **Metal snips set (3pc)** 48224510, 48224530 and 48224520						3	1	**48224533**	045242503735

Mini copper tubing cutters

- Proprietary adjustment mechanism.
- Chrome rollers for added durability and extended performance provide best in class rust protection.
- Easy grip knob allows faster adjustment and easier one handed use.
- Compact design to cut pipes in restricted areas.



Description	Max. cutting capacity in copper pipe (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Mini copper tubing cutter 15 mm	3 - 15	1	1	**48229250**	045242521210
Mini copper tubing cutter 22 mm	3 - 22	1	1	**48229258**	045242521258
Mini copper tubing cutter 28 mm	3 - 28	1	1	**48229251**	045242521227



Constant swing copper tubing cutters

- Constant swing copper tubing cutters are engineered for straighter, cleaner cuts.
- 4 roller design delivers accurate cuts and prevents walking.
- Chrome rollers for added durability and extended performance provide best in class rust protection.
- Smooth adjustment mechanism.
- On-board reamer enables fast, easy deburring.
- A spare wheel is integrated in the knob.





Description	Max. cutting capacity in copper pipe (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Constant swing copper tubing cutter 28 mm	3 - 28	1	1	**48229259**	045242521265
Constant swing copper tubing cutter 42 mm	3 - 42	1	1	**48229252**	045242521234
Constant swing copper tubing cutter 67 mm	16 - 67	1	1	**48229253**	045242521241
Reaming blades		3	1	**48224257**	045242356263

Tubing cutter blades

- Replacement blades for tubing cutters.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Tubing cutter blades for copper	2	1	**48224256**	045242356256
Tubing cutter blades for stainless steel	4	1	**4932464511**	4058546224561

Reaming pen

- Provides easy deburring of copper tubing and PVC.
- All-metal design for durability through demanding jobsite use.
- Heat treated and black oxide coated blade for extended life.
- A slide resistant clip allows easy storage in the users pocket or tool bag for quick access.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① Reaming pen	1	1	**48224255**	045242356249
Reaming blades	3	1	**48224257**	045242356263

Plastic cutter

- Cuts PEX, PB, MDP, PE, plastic electrical conduits, pneumatic pipe, plastic overflow pipe, rubber hoses, silicon hoses up to Ø 25 mm.
- V-shaped blade allows quick and straight cuts; prevents crushing of material.
- Replaceable stainless steel blade.
- Robust construction: Metal core from the head to the handles for maximum lifetime.
- Grooves on the head allows stripping of couplings.
- Corrosion resistant head.
- One handed locking mechanism, tool remains closed while in pouch, spring loaded but easy opening.
- Ergonomic and durable overmoulded grips add comfort and last longer.





Description	Max. capacity tube & pipe Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Plastic cutter	25	1	1	**48224202**	045242343133
Replaceable blade		1	1	**48224203**	045242343140

Ratcheting PVC cutter

- Durable stainless steel rust proof blade for more cuts.
- Comfortable handle adds working comfort.
- Quick blade release adds working speed.
- One-handed metal lock.
- Lanyard hole, improves working security.
- Blades are replaceable.
- Suitable for: PVC, CPVC, PEX, PP, PB, PVDF, PE.





Description	Max. capacity tube & pipe Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① Ratcheting PVC cutter 42 mm	42	1	1	**4932464172**	4058546221171
① Ratcheting PVC cutter 63 mm	63	1	1	**4932464173**	4058546221188
② Ratcheting PVC cutter blade 42 mm		1	1	**48224211**	045242477012
② Ratcheting PVC cutter blade 63 mm		1	1	**48224216**	045242477036

Cable cutter

- Best-in-class cut quality: Bevelled jaw heads for accurate, smooth cable shearing.
- Comfort grips: More comfortable than dipped plastic. Grips will not peel.
- Forged design: Tool durability in abusive environments.
- Rust protection: Black oxide finish protects from rust.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Cable cutter	1	1	**48226104**	045242356140

Bolt cutters

- Forged steel blades for strong and durable cutting edge.
- Comfort grip handles will not peel or slide off.
- Blade adjustment screw ensures high performance and longer life.
- Lanyard holes.



Description]	Blade width (mm)	Cutting capacity for HRC 31 materials (Max. Ø mm)	Cutting capacity for HRC 48 materials (Max. Ø mm)]	Pack quantity	Min. order quantity	Article Number	EAN Code
14" bolt cutter	13	8	5	1	1	**4932464827**	4058546227722
24" bolt cutter	13	11	8	1	1	**4932464826**	4058546227715



Extendable bolt cutters

- POWERMOVE™ handles extend for easier cuts in tough applications.
- Forged steel blades for strong and durable cutting edge.
- Pivoting head for angle adjustment.
- Comfort grip handles will not peel or slide off.
- Lanyard holes.



Description	Blade width (mm)	Cutting capacity for HRC 31 materials (Max. Ø mm)	Cutting capacity for HRC 48 materials (Max. Ø mm)]	Pack quantity	Min. order quantity	Article Number	EAN Code
14" / 18" extendable bolt cutter	13	8	5	1	1	**4932464850**	4058546227951
24" / 30" extendable bolt cutter	13	11	8	1	1	**4932464851**	4058546227968



Nail Puller

NEW

- Dimpler allows for easy nail removal with limited damage to surface.
- Low profile claw to reach the tightest of nails.
- Handle grip greatly reduces vibration.



Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
9" Nail Puller	22.86cm	1	1	**4932478249**	4058546344269
10" Nail Puller	25.40cm	1	1	**4932478250**	4058546344276
12" Nail Puller	30.48cm	1	1	**4932478251**	4058546344283



Trim Puller

NEW

- Low profile trim claw to easily slide between trim/skirting boards and walls.
- Dimpler allows for easy nail removal with limited damage to surface.
- Handle grip greatly reduces vibration.



Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
10" Trim Puller	25.40cm	1	1	**4932478252**	4058546344290



Wrecking Bar

NEW

- Beveled edge improves leverage and accessibility when pulling nails, lifting or prying.
- Nail/stapple puller easily removes nails and staples without damaging flooring or surrounding materials.
- Reinforced strikable tongue for extra material penetration using a hammer.





Description	Length (cm)	Pack quantity	Min. order quantity	Article Number	EAN Code
12″ Wrecking Bar	30.48cm	1	1	**4932478253**	4058546344306
15″ Wrecking Bar	38.1cm	1	1	**4932478254**	4058546344313

Club hammer

NEW

- Duel Face Versatility: Milled face provides additional grip and minimizes movement of face when striking chisels or large nails, the smooth face prevents damage to struck objects.
- Reinforced Overstrike Protection: Increases durability in the most common failure point
- Fiberglass handle with over molded grip: Provides durability with improved grip capacity and comfort
- Lanyard Hole: Easily comply with safety regulations working at height





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
1.36kg / 3lbs Club Hammer	1	1	**4932478255**	4058546344320

Curved hammer

- Precise balance for better handling.
- Durable grip construction.
- I-Beam handle construction resists bending in prying applications.
- Curved claw hammer reduces damage when pulling nails.
- Magnetic nail starter for safer application.

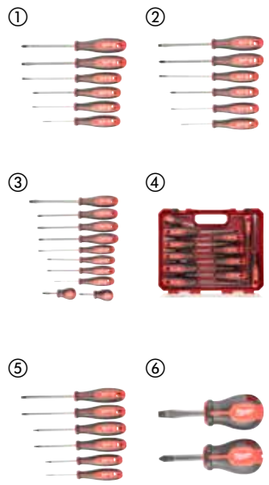




Description	Pack quantity	Min. order quantity	Article Number	EAN Code
20 oz /14″ curved claw hammer	1	1	**4932464028**	4058546219734

Tri-lobe screwdrivers

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**Tri-lobe screwdriver set 1 (6pc)** PZ1 / PZ2 / SL3 / SL4 / SL5.5 / SL6.5	6	1	**4932471806**	4058546297053
②	**Tri-lobe screwdriver set 2 (6pc)** PH1 / PH2 / SL3 / SL4 / SL5.5 / SL6.5	6	1	**4932471807**	4058546297060
③	**Tri-lobe screwdriver set 3 (10pc)** PZ1 / PZ2 / PH1 / PH2 / SL3 / SL5.5 / SL6.5 / SL6.5 / SL8	10	1	**4932471808**	4058546297077
④	**Tri-lobe screwdriver set 4 (12pc)** PZ0 / PZ1 / PZ2 / PH0 / PH1 / PH2 / SL2.5 / SL4 / SL5.5 / SL6.5 / SL6.5 / SL8	12	1	**4932472003**	4058546323998
⑤	**Tri-lobe screwdriver Torx set (6pc)** T10 / T15 / T20 / T25 / T30 / T40	6	1	**4932471809**	4058546297084
⑥	**Tri-lobe screwdriver stubby set (2pc)** PZ2 x 45mm / SL6.5 x 45mm	2	1	**4932471810**	4058546297091



Tri-lobe demolition screwdriver

- Hammer ready strike caps
- All metal core
- Wrench ready shank
- Comfortable Tri-Lobe handle.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Tri-lobe demolition screwdriver set PH2 / SL7.9 mm	2	1	**4932471872**	4058546297718

Demolition driver

- Hardened all metal core giving maximum shank durability.
- Multiple striking caps to give user more force when prying and chiseling.
- Duct piercing tip allows to pierce through sheet metal.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Demo driver	1	1	**4932471871**	4058546297701

Precision screwdrivers

- All metal core for improved durability.
- 360° Rotating back cap.
- Chrome plated shanks increase tool life by reducing corrosion.
- Durable case with robust zipper included to store tools.
- Longer shanks for improved visibility and extended reach.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Precision screwdriver set (6pc) PH00 / PH0, SL1.6 / SL2 / SL3.2 / SL4	6	1	**4932471869**	4058546297688
Torx precision screwdriver (6pc) T6, T7, T8, T9, T10, T15	6	1	**4932471870**	4058546297695

8 in 1 compact ratcheting multi-bit screwdriver

- Full metal high torque ratchet for 2 x driving speed and control.
- Chrome plated marine grade rust protected bits.
- Revolver style bit storage in handle.
- Precision hardened bit tips: Durable driving tips for secure fitment and long life.





Description	Pack quantity	Min. order quantity	Article Number	EAN Code
8 in 1 compact ratceting multi-bit screwdriver PH1 / PH2 / PZ1 / PZ2 / TX15 / SL4.8 / SL6.4	1	1	**4932471868**	4058546297671

9 in 1 ratcheting multi-bit screwdriver

- Ergonomic 152 mm long screwdriver with 1/4" Hex nut driver (in reception) and built in loop maker.
- Full metal high torque ratchet for 2 x driving speed and control.
- 88 mm long power groove bits, power tool compatibility.
- Precision hardened bit tips: Durable driving tips for secure fitment and long life.
- Revolver style bit storage in handle.
- Chrome plated marine grade rust protected bits.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
9 in 1 ratchet multi-bit screwdriver - universal PH1 / PH2 / PZ1 / PZ2 / TX15 / TX20 / Slotted 0.8 x 5.5 mm	1	12	**4932471598**	4058546294977
9 in 1 ratchet multi-bit screwdriver - hex Hex 1.5 mm / Hex 2 mm / Hex 2.5 mm / Hex 3 mm / Hex 4 mm / Hex 5 mm / Hex 6 mm	1	12	**4932471599**	4058546294984

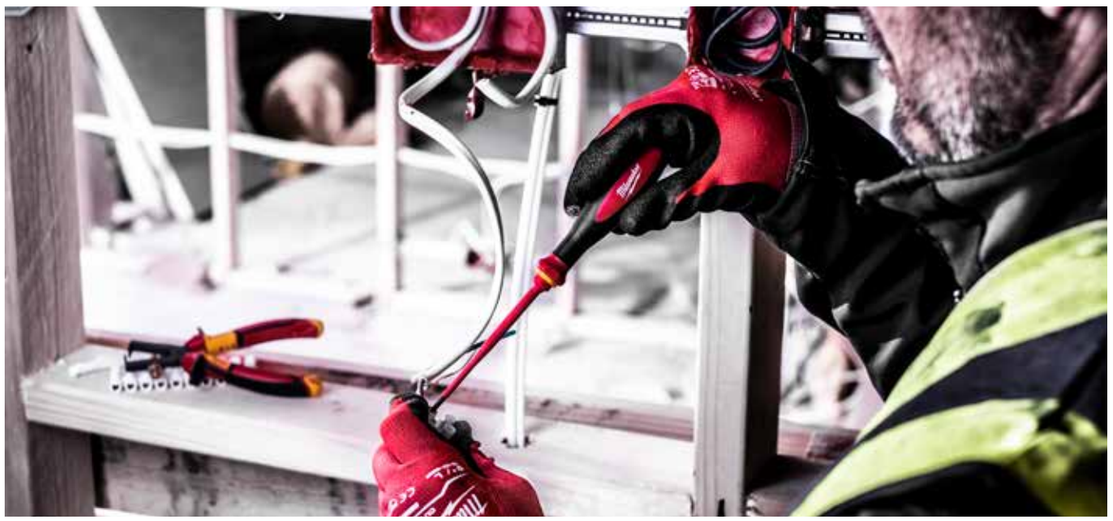
VDE Slim Screwdrivers

- VDE tested to 10, 000 V and guaranteed to 1,000 V.
- Premium quality steel with molydenum and vanadium for flexibility and lifetime.
- CNC milled tips for high precision for best fit and reduced cammout effect.
- Black phosphate on the tip for grip and corrosion resistance.
- Slim shank diameter for access to low lying screw applications.
- 2 component grip with softgrip for comfortable handling.
- 3 sided design for non slip and maximum power transfer.
- Slim design at handle for low power/torque applications and fine electrical work.
- Laser engraved with the reception on the top of handle for easy identification.
- Anti roll, 3 sided collar on handle.



Type	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Slotted	SL 0.5 x 3 x 100	1	1	**4932471445**	4058546290733
	SL 0.8 x 4 x 100	1	1	**4932471446**	4058546290740
	SL 1.0 x 5.5 x 125	1	1	**4932471447**	4058546290757
Philips	PH1 x 80	1	1	**4932471448**	4058546290764
	PH2 x 100	1	1	**4932471449**	4058546290771
Pozidrive	PZ1 x 80	1	1	**4932471450**	4058546290788
	PZ2 x 100	1	1	**4932471451**	4058546290795
①	**VDE slim screwdriver set (5pc)** SL3 / SL4 / SL5.5 / PZ1 / PZ2	1	1	**4932471452**	4058546290801
②	**VDE slim screwdriver set (7pc)** SL3 / SL4 / SL 5.5 / PH1 / PH2 / PZ1 / PZ2	1	1	**4932471453**	4058546290818

① ② 



VDE screwdrivers

- VDE tested to 10, 000 V and guaranteed to 1,000 V.
- Premium quality steel with molydenum and vanadium for flexibility and lifetime.
- CNC milled tips for high precision for best fit and reduced cammout effect.
- Black phosphate on the tip for grip and corrosion resistance.
- 2 component grip with softgrip for comfortable handling.
- 3 sided design for non slip and maximum power transfer.
- Slim design at front for low power/torque applications and fine electrical work.
- Laser engraved with the reception on the top of handle for easy identification.
- Anti roll, 3 sided collar on handle.





	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Slotted	SL 0.4 x 2.5 x 75	1	1	**4932464034**	4058546219796
	SL 0.5 x 3 x 100	1	1	**4932464035**	4058546219802
	SL 0.6 x 3.5 x 100	1	1	**4932464036**	4058546219819
	SL 0.8 x 4 x 100	1	1	**4932464037**	4058546219826
	SL 1.0 x 5.5 x 125	1	1	**4932464038**	4058546219833
	SL 1.2 x 6.5 x 150	1	1	**4932464039**	4058546219840
	SL 1.2 x 8 x 175	1	1	**4932464040**	4058546219857
	SL 0.5 x 3 x 65	1	1	**4932464041**	4058546219864
Philips	PH0 x 60	1	1	**4932464042**	4058546219871
	PH1 x 80	1	1	**4932464043**	4058546219888
	PH2 x 100	1	1	**4932464044**	4058546219895
	PH3 x 150	1	1	**4932464045**	4058546219901
Pozidrive	PZ0 x 60	1	1	**4932464046**	4058546219918
	PZ1 x 80	1	1	**4932464047**	4058546219925
	PZ2 x 100	1	1	**4932464048**	4058546219932
	PZ3 x 150	1	1	**4932464049**	4058546219949
Torx	T10 x 60	1	1	**4932464050**	4058546219956
	T15 x 75	1	1	**4932464051**	4058546219963
	T20 x 100	1	1	**4932464052**	4058546219970
	T25 x 100	1	1	**4932464053**	4058546219987
	T30 x 100	1	1	**4932464054**	4058546219994
Philips / Slotted	PH/SL1 x 80	1	1	**4932464055**	4058546220006
	PH/SL2 x 100	1	1	**4932464056**	4058546220013
	PZ/SL1 x 80	1	1	**4932464057**	4058546220020
Pozidrive / Slotted	PZ2/SL2 x 100	1	1	**4932464058**	4058546220037
Socket wrench	SW6 x 125	1	1	**4932464059**	4058546220044
	SW7 x 125	1	1	**4932464060**	4058546220051
	SW8 x 125	1	1	**4932464061**	4058546220068
	SW9 x 125	1	1	**4932464062**	4058546220075
	SW10 x 125	1	1	**4932464063**	4058546220082
	SW11 x 125	1	1	**4932464064**	4058546220099
	SW13 x 125	1	1	**4932464065**	4058546220105
①	**VDE screwdriver set (5pc)** SL3 / SL4, PZ1 / PZ2 and voltage tester	5	1	**4932464066**	4058546220112
②	**VDE Screwdriver set 1 (7pc)** SL2.5 / SL3 / SL4, PH2, PZ1 / PZ2 and voltage tester	7	1	**4932464067**	4058546220129
②	**VDE Screwdriver set 2 (7pc)** SL2.5 / SL3 / SL4 / SL5.5, PH1 / PH2 and voltage tester	7	1	**4932464068**	4058546220136

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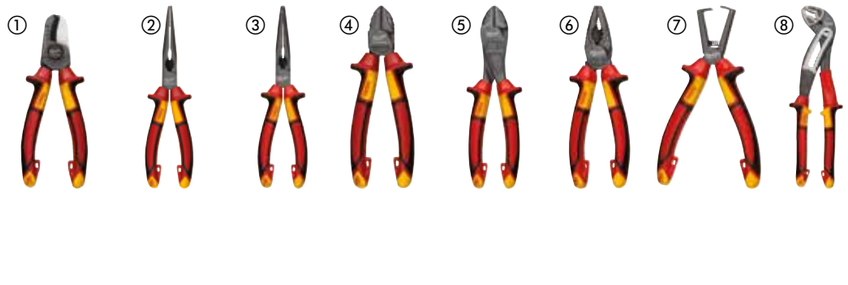
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VDE pliers

- VDE (DIN EN/IEC 60900) certified tools. Tested to 10,000 volts and guaranteed to 1,000 volts. Tested against cold to -40°.
- Steel blades are fully forged , hardened and tempered for best durability . Grey titanium surface finish is non reflective and ensures maximum corrossion resistance.
- Induction hardened cutting edges to cut even the hardest of materials.
- Precision machined joint for maximum power transmission with optimum leverage for easy and effortless work.
- Ergonomic grip with softgrip for comfortable handling and good grip.



	Description	Total length (mm)	Cutting capacity in very hard wire 2300N/mm² [Max. Ø mm]	Cutting capacity in hard wire 1800N/mm² [Max. Ø mm]	Cutting capacity in soft wire 220N/mm² [Max. Ø mm]	Cutting capacity in cable Al and Cu (Max. Ø mm)	Capacity (mm)	Capacity pipe [Max. Ø mm]	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	VDE cable cutter	160	-	-	-	16	-	-	185	1	1	**4932464562**	4058546225070
		210	-	-	-	25	-	-	315	1	1	**4932464563**	4058546225087
②	VDE long round nose plier	205	-	2.2	3.9	-	-	-	200	1	1	**4932464564**	4058546225094
③	VDE long 45 deg. round nose pliers	205	-	2.2	3.9	-	-	-	200	1	1	**4932464565**	4058546225100
④	VDE diagonal cutter	145	-	1.7	5	8	-	-	160	1	1	**4932464566**	4058546225117
		160	-	2	6	11	-	-	210	1	1	**4932464567**	4058546225124
		180	-	2.5	7	13	-	-	240	1	1	**4932464568**	4058546225131
⑤	VDE heavy duty diagonal cutter	180	2.2	2.6	7	13	-	-	250	1	1	**4932464569**	4058546225148
		200	2.5	2.8	8	15	-	-	305	1	1	**4932464570**	4058546225155
⑥	VDE combination plier	165	-	2	4	10	-	-	180	1	1	**4932464571**	4058546225162
		180	-	2.2	5.2	12	-	-	250	1	1	**4932464572**	4058546225179
⑦	VDE wire stripping plier	160	-	-	-	0.75мм² - 6мм²	-	-	180	1	1	**4932464573**	4058546225186
⑧	VDE water pump plier	240	-	-	-	-	50	50	395	1	1	**4932464574**	4058546225193
⑨	VDE Plier Set (3 pc) - Diagonal cutter (160 mm), long nose plier (205 mm), combi plier (180 mm)								660	3	1	**4932464575**	4058546225209



Nipping pliers

- Iron carbide edge: Longer blade life.
- Comfort grips: More comfortable than dipped plastic. Grips will not peel.
- Smooth head: Will not mark surface during pull / pry applications.
- Forged design: Tool durability in abusive environments.
- Rust protection: Black oxide finish protect from rust.





Description	Length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Nipping pliers	180	1	1	**48226407**	045242356096

7 in 1 wire stripping pliers

NEW

- Wire stripper : Strips wire sizes 0.75 mm², 1.0 mm², 1.5 mm², 2.5 mm², 4.0 mm², 6.0 mm².
- Wire cutter: With curved laser hardened cutting edges.
- Plier suitable for gripping and bending cables.
- Reaming head for smoothing 12 - 25 mm pipe.
- Loop maker: Built in loop maker function for wire.
- Integrated Crimper
- Integrated Bolt Cutter
- One-handed swing lock: Easy one-handed use and remains locked while in pouch. Spring loaded for easy opening.
- Rust protection increases tool life by reducing corrosion.



Description	Stripping capacities (mm²)	Cutting capacity in hard wire 1800N/mm² [Max. Ø mm]	Cutting capacity in cable Al and Cu (Max. Ø mm)	Deburring head max. Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
7 in 1 Combination Plier	0.75, 1.0, 1.5, 2.5, 4.0, 6.0	2.5	6.0	25mm	1	1	**4932478554**	4058546347475

Heavy Duty Lineman's pliers

- For universal gripping, cutting applications.
- High leverage design: Long handles for maximum cutting power and leverage.
- Deburrer: Deburring ribs on head for up to 25 mm pipe. No need for extra tools.
- Nail pulle: Powerful gripping and high leverage.
- Laser hardened durable cutting edges: Cuts wire, bolts, screws and nails. Extra hardened jaws to 64 HRC.
- Serrated gripping zone for strong gripping and pulling.
- Made from Chrome Vanadium steel for best durability and good rust protection.
- Ergonomic and durable overmoulded grips add comfort and last longer.
- With crimping facility.





Cut cap. in hard wire (mm)	Cutting capacity soft wire (mm)	Total length (mm)	Weight (g)	Deburring head max. Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
3.0	4.6	250	480	25	1	1	**48226100**	045242342228

Diagonal pliers

- For all around cutting use.
- Tip protection: Tips are off set ground to protect cutting edges from damage when dropped.
- High leverage design: Long handles for maximum cutting power and leverage.
- Deburrer: Deburring ribs on head for up to 25 mm pipe. No need for extra tools.
- 15° offset head allows flush cutting, can be used as a nail puller for easier and quicker prying and pulling.
- Laser hardened durable cutting edges. Extra hardened to 64 HRC. Cuts wire, bolts, screws and nails.
- Made from forged alloy Chrome Vanadium steel for best durability and good rust protection.
- Ergonomic and durable overmoulded grips add comfort and last longer.



Total length (mm)	Cut cap. in hard wire (mm)	Cutting capacity soft wire (mm)	Jaw length (mm)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
160	2.5	4.0	22	195	1	1	**48226106**	045242342181
180	3.0	4.0	26	246	1	1	**48226107**	045242342198

Long nose pliers

- Long nose pliers: Specially suitable for gripping, bending and adjusting in restricted areas.
- Wire cutter: Cuts wires up to 2.5 mm.
- Deburrer: Deburring ribs on head for up to 20 mm pipe. No need for extra tools.
- Nail puller
- Serrated jaws for better grip and excellent control.
- Laser hardened durable cutting edges. Extra hardened to 64 HRC.
- Made from Chrome Vanadium for best durability and good rust protection.
- Ergonomic and durable overmoulded grips add comfort and last longer.





Total length (mm)	Cut cap. in hard wire (mm)	Cable diameter (mm)	Jaw length (mm)	Weight (g)	Deburring head max. Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
210	2.5	6.0	51	255	18	1	1	**48226101**	045242342211

Quick adjust water pump pliers

- For gripping, fastening and holding work pieces.
- One hand push button adjustment for fast and firm grip.
- Fine scale adjustment positions for precise grip. Less downtime and more efficiency.
- Self locking button for fast and firm adjustment.
- V-groove jaws with profile for firmer grip, more precise fit and reduced slipping. Special teeth hardening 60 HRC.
- Made from Nickel and Chrome forged alloy steel for best durability and good rust protection.
- Ergonomic and durable overmoulded grips add comfort and last longer.
- Deburring head and handle design. No need for extra tools.
- Available in 3 lengths for optimum leverage.
- Ergonomic slim design to allow access in confined areas.







Total length (mm)	Total length (inch)	Max. nut size AF (mm)	Max. capacity tube & pipe Ø (mm)	Weight (g)	Deburring head max. Ø (mm)	Deburring handles max. Ø (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
200	8	30	32	250	38	25	1	1	**48226208**	045242342235
250	10	36	42	425	51	25	1	1	**48226210**	045242342242
300	12	50	60	660	70	25	1	1	**48226212**	045242342259

TORQUE LOCK™ locking pliers

- TORQUE LOCK™: Faster set up and easy release when clamping flat and round material. Extra force can be applied to the TORQUE LOCK™ screw for better and more secure grip. Can also be used for hanging / storage purposes.
- Hardened jaws: Better grip force on jobsite material.
- Rust protection: Chrome plated tool increases life by reducing corrosion.
- Lever release design: Traditional release lever for jobsite convenience.



	Total length (mm)	Total length (inch)	Jaw type	Jaw capacity flat (mm)	Jaw opening capacity for pipe (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	170	7	MAXBITE™	-	38	1	1	**4932471730**	4058546296292
②	250	10	MAXBITE™	-	50	1	1	**4932471729**	4058546296285
③	127	5	curved	-	26	1	1	**4932472263**	4058546339098
④	170	7	curved	-	38	1	1	**4932471732**	4058546296315
⑤	250	10	curved	-	51	1	1	**4932471725**	4058546296247
⑥	250	10	flat	30	-	1	1	**4932471726**	4058546296254
⑦	100	4	flat long nose	42	-	1	1	**4932472262**	4058546339081
⑧	150	6	flat long nose	52	-	1	1	**4932471731**	4058546296308
⑨	230	9	flat long nose	76	-	1	1	**4932471733**	4058546296322

TORQUE LOCK™ locking C clamps

- TORQUE LOCK™: Faster set up and easy release when clamping flat and round materials for welding. Extra force can be applied to the TORQUE LOCK™ screw for better and more secure grip. Can also be used for hanging / storage purposes.
- Hardened jaws: Better grip force on jobsite material.
- Rust protection: Chrome plated tool increases life by reducing corrosion.
- Lever release design: Traditional release lever for jobsite convenience.





	Total length (mm)	Total length (inch)	Jaw type	Jaw capacity flat (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	230	9	Deep reach regular pointed pads	114	1	1	**4932472257**	4058546339036
②	480	18	Deep reach regular pointed pads	170	1	1	**4932472259**	4058546339050
③	280	11	Regular pointed pads	90	1	1	**4932471728**	4058546296278
④	480	18	Regular pointed pads	170	1	1	**4932472260**	4058546339067
⑤	230	9	Deep reach swivel pads	114	1	1	**4932472258**	4058546339043
⑥	280	11	Swivel pads	100	1	1	**4932471727**	4058546296261
⑦	480	18	Swivel pads	170	1	1	**4932472261**	4058546339074

TORQUE LOCK™ seamer

- TORQUE LOCK™: Faster set up and easy release when clamping flat material. Extra force can be applied to the TORQUE LOCK™ screw for better and more secure grip. Can also be used for hanging / storage purposes.
- Hardened jaws: Better grip force on jobsite material.
- Rust protection: Chrome plated tool increases life by reducing corrosion.
- Lever release design: Traditional release lever for jobsite convenience.
- The seamer makes all kinds of bendings, forming, crimping tasks with ease.
- It is ideal for holding sheet metal parts.

Description	Total length (mm)	Total length (inch)	Jaw capacity flat (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
TORQUE LOCK™ seamer	200	8	42	1	1	**4932471734**	4058546296339

TORQUE LOCK™ chain wrench

- TORQUE LOCK™: Faster set up and easy release when clamping round material. Extra force can be applied to the TORQUE LOCK™ screw for better and more secure grip. Can also be used for hanging / storage purposes.
- Rust protection: Chrome plated tool increases life by reducing corrosion.
- Lever release design: Traditional release lever for jobsite convenience.
- Locking chain wrench holds and locks around any shape object.
- It adjusts quickly for ratchet action in either direction.



Description	Total length (mm)	Total length (inch)	Jaw opening capacity for pipe (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
TORQUE LOCK™ chain wrench	270	9	79	1	1	**48223542**	045242472727

MAX Bite™ combination spanner

NEW

- MAX BITE™ open-end grip reduces rounding and stripping.
- Rounded I-Beam handle for comfortable handling grip.
- Ink-filled labels for better visibility.
- 15° offset box for better accessibility.



Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
8mm Maxbite Combination Spanner	140mm	1	1	**4932471516**	4058546294151
9mm Maxbite Combination Spanner	150mm	1	1	**4932471517**	4058546294168
10mm Maxbite Combination Spanner	158mm	1	1	**4932471518**	4058546294175
11mm Maxbite Combination Spanner	165mm	1	1	**4932471519**	4058546294182
12mm Maxbite Combination Spanner	172mm	1	1	**4932471520**	4058546294199
13mm Maxbite Combination Spanner	180mm	1	1	**4932471521**	4058546294205
14mm Maxbite Combination Spanner	190mm	1	1	**4932471522**	4058546294212
15mm Maxbite Combination Spanner	200mm	1	1	**4932471523**	4058546294229
16mm Maxbite Combination Spanner	210mm	1	1	**4932471524**	4058546294236
17mm Maxbite Combination Spanner	225mm	1	1	**4932471525**	4058546294243
18mm Maxbite Combination Spanner	235mm	1	1	**4932471526**	4058546294250
19mm Maxbite Combination Spanner	250mm	1	1	**4932471527**	4058546294267
20mm Maxbite Combination Spanner	262mm	1	1	**4932471528**	4058546294274
21mm Maxbite Combination Spanner	272mm	1	1	**4932471529**	4058546294281
22mm Maxbite Combination Spanner	295mm	1	1	**4932471530**	4058546294298

MAX BITE™ combination spanner sets

- MAX BITE™ open-end grip reduces rounding and stripping.
- Rounded I-Beam handle for comfortable handling grip.
- Optimised storage: 7 pc set with carry handle, 15 pc set in tray for easy storage and connection to tool roller cabinet drawers.
- Ink-filled labels for better visibility.
- 15° offset box for better accessibility.
- Chrome alloy steel, chrome plated.

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**MAX BITE™ metric combination spanner set (7pc)** 8, 10, 12, 13, 14, 15, 17 mm	7	1	**4932464257**	4058546222024
②	**MAX BITE™ metric combination spanner set (15pc)** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	15	1	**4932464258**	4058546222031
③	**MAX BITE™ imperial combination spanner set (7pc)** 3/8″ 7/16″ 1/2″ 9/16″ 5/8″ 11/16″ 3/4″	7	1	**48229407**	045242499038
④	**MAX BITE™ imperial combination spanner set (15pc)** 1/4″ 9/32″ 5/16″ 11/32″ 3/8″ 7/16″ 1/2″ 9/16″ 5/8″ 11/16″ 3/4″ 13/16″ 7/8″ 15/16″ 1″	15	1	**48229415**	045242499021

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MAX BITE™ ratcheting combination spanner

NEW

- 144 Ratcheting teeth positions giving 2.5° arc swing allowing access in tighter spaces.
- Durable double stacked pawls for longer ratchet life.
- MAX BITE™ open-end grip reduces rounding and stripping.
- Rounded I-Beam handle for comfortable handling grip.
- Ink-filled labels for better visibility.
- Chrome alloy steel, chrome plated.



Description	Total length (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
8mm Maxbite Ratcheting Combination Spanner	146mm	1	1	**4932471501**	4058546294007
9mm Maxbite Ratcheting Combination Spanner	156mm	1	1	**4932471502**	4058546294014
10mm Maxbite Ratcheting Combination Spanner	165mm	1	1	**4932471503**	4058546294021
11mm Maxbite Ratcheting Combination Spanner	171.5mm	1	1	**4932471504**	4058546294038
12mm Maxbite Ratcheting Combination Spanner	178.5mm	1	1	**4932471505**	4058546294045
13mm Maxbite Ratcheting Combination Spanner	186.5mm	1	1	**4932471506**	4058546294052
14mm Maxbite Ratcheting Combination Spanner	198mm	1	1	**4932471507**	4058546294069
15mm Maxbite Ratcheting Combination Spanner	207.5mm	1	1	**4932471508**	4058546294076
16mm Maxbite Ratcheting Combination Spanner	218mm	1	1	**4932471509**	4058546294083
17mm Maxbite Ratcheting Combination Spanner	233.5mm	1	1	**4932471510**	4058546294090
18mm Maxbite Ratcheting Combination Spanner	242.5mm	1	1	**4932471511**	4058546294106
19mm Maxbite Ratcheting Combination Spanner	257.5mm	1	1	**4932471512**	4058546294113
20mm Maxbite Ratcheting Combination Spanner	272mm	1	1	**4932471513**	4058546294120
21mm Maxbite Ratcheting Combination Spanner	282mm	1	1	**4932471514**	4058546294137
22mm Maxbite Ratcheting Combination Spanner	303mm	1	1	**4932471515**	4058546294144

MAX BITE™ ratcheting combination spanner sets

- 144 Ratcheting teeth positions giving 2.5° arc swing allowing access in tighter spaces.
- Durable double stacked pawls for longer ratchet life.
- MAX BITE™ open-end grip reduces rounding and stripping.
- Ink-filled labels for better visibility.
- Chrome alloy steel, chrome plated.
- Rounded I-Beam handle for comfortable handling grip.

	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**MAX BITE™ ratcheting metric combination spanner set (7pc)** 8, 10, 12, 13, 14, 15, 17 mm	7	1	**4932464993**	4058546229382
②	**MAX BITE™ ratcheting metric combination spanner set (15pc)** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	15	1	**4932464994**	4058546229399

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1/4˝ drive chrome sockets

NEW

- FOUR FLAT™ sides on socket deter rolling.
- Wrench ready FOUR FLAT™ sides.
- Stamped sizes for easy visibility.
- Chrome Finish.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
1/4˝ Drive - 5mm	1	1	**4932478312**	4058546345037
1/4˝ Drive - 5.5mm	1	1	**4932478313**	4058546345044
1/4˝ Drive - 6mm	1	1	**4932478314**	4058546345051
1/4˝ Drive - 7mm	1	1	**4932478315**	4058546345068
1/4˝ Drive - 8mm	1	1	**4932478316**	4058546345075
1/4˝ Drive - 9mm	1	1	**4932478317**	4058546345082
1/4˝ Drive - 10mm	1	1	**4932478318**	4058546345099
1/4˝ Drive - 11mm	1	1	**4932478319**	4058546345105
1/4˝ Drive - 12mm	1	1	**4932478320**	4058546345112
1/4˝ Drive - 13mm	1	1	**4932478321**	4058546345129
1/4˝ Drive - 14mm	1	1	**4932478322**	4058546345136
1/4˝ Drive - 15mm	1	1	**4932478323**	4058546345143
1/4˝ Deep Drive - 5mm	1	1	**4932478324**	4058546345150
1/4˝ Deep Drive - 5.5mm	1	1	**4932478325**	4058546345167
1/4˝ Deep Drive - 6mm	1	1	**4932478326**	4058546345174
1/4˝ Deep Drive - 7mm	1	1	**4932478327**	4058546345181
1/4˝ Deep Drive - 8mm	1	1	**4932478328**	4058546345198
1/4˝ Deep Drive - 9mm	1	1	**4932478329**	4058546345204
1/4˝ Deep Drive - 10mm	1	1	**4932478330**	4058546345211
1/4˝ Deep Drive - 11mm	1	1	**4932478331**	4058546345228
1/4˝ Deep Drive - 12mm	1	1	**4932478332**	4058546345235
1/4˝ Deep Drive - 13mm	1	1	**4932478333**	4058546345242
1/4˝ Deep Drive - 14mm	1	1	**4932478334**	4058546345259
1/4˝ Deep Drive - 15mm	1	1	**4932478335**	4058546345266



3/8˝ drive chrome sockets

NEW

- FOUR FLAT™ sides on socket deter rolling.
- Wrench ready FOUR FLAT™ sides.
- Stamped sizes for easy visibility.
- Chrome Finish.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
3/8˝ Drive - 6mm	1	1	**4932478336**	4058546345273
3/8˝ Drive - 7mm	1	1	**4932478337**	4058546345280
3/8˝ Drive - 8mm	1	1	**4932478338**	4058546345297
3/8˝ Drive - 9mm	1	1	**4932478339**	4058546345303
3/8˝ Drive - 10mm	1	1	**4932478340**	4058546345310
3/8˝ Drive - 11mm	1	1	**4932478341**	4058546345327
3/8˝ Drive - 12mm	1	1	**4932478342**	4058546345334
3/8˝ Drive - 13mm	1	1	**4932478343**	4058546345341
3/8˝ Drive - 14mm	1	1	**4932478344**	4058546345358
3/8˝ Drive - 15mm	1	1	**4932478345**	4058546345365
3/8˝ Drive - 16mm	1	1	**4932478346**	4058546345372
3/8˝ Drive - 17mm	1	1	**4932478347**	4058546345389
3/8˝ Drive - 18mm	1	1	**4932478348**	4058546345396
3/8˝ Drive - 19mm	1	1	**4932478349**	4058546345402
3/8˝ Deep Drive - 6mm	1	1	**4932478350**	4058546345419
3/8˝ Deep Drive - 7mm	1	1	**4932478351**	4058546345426
3/8˝ Deep Drive - 8mm	1	1	**4932478352**	4058546345433
3/8˝ Deep Drive - 9mm	1	1	**4932478353**	4058546345440
3/8˝ Deep Drive - 10mm	1	1	**4932478354**	4058546345457
3/8˝ Deep Drive - 11mm	1	1	**4932478355**	4058546345464
3/8˝ Deep Drive - 12mm	1	1	**4932478356**	4058546345471
3/8˝ Deep Drive - 13mm	1	1	**4932478357**	4058546345488
3/8˝ Deep Drive - 14mm	1	1	**4932478358**	4058546345495
3/8˝ Deep Drive - 15mm	1	1	**4932478359**	4058546345501
3/8˝ Deep Drive - 16mm	1	1	**4932478360**	4058546345518
3/8˝ Deep Drive - 17mm	1	1	**4932478361**	4058546345525
3/8˝ Deep Drive - 18mm	1	1	**4932478362**	4058546345532
3/8˝ Deep Drive - 19mm	1	1	**4932478363**	4058546345549



Ratchet and socket sets

- 90 tooth design with 4 degrees of arc swing for tight work spaces.
- Comes with a removable inner tray perfectly designed to be stored.
- Sockets are stamped with measurements on the flat side for easy-to-read visibility.
- All metal design for maximum durabilty.
- FOUR FLAT™ sides on socket deter rolling.
- Slim profile head with flush direction lever offers better accessibility.



	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	**Metric 1/4˝ ratchet + socket set (28pc)**				
	Standard sockets: 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm / Deep well sockets: 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm	28	1	**4932464943**	4058546228880
②	**Metric & imperial 1/4˝ ratchet + socket set (50pc)**				
	Standard sockets: 5/32˝, 3/16˝, 7/32˝, 1/4˝, 9/32˝, 5/16˝, 11/32˝, 3/8˝, 7/16˝, 1/2˝, 9/16˝, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm / Deep well socket: 5/32˝, 3/16˝, 7/32˝, 1/4˝, 9/32˝, 5/16˝, 11/32˝, 3/8˝, 7/16˝, 1/2˝, 9/16˝5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm	50	1	**4932464944**	4058546228897
③	**Metric 3/8˝ ratchet + socket set (32pc)**				
	Standard sockets: 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm / Deep well sockets: 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm	32	1	**4932464945**	4058546228903
④	**Metric & imperial 3/8˝ ratchet + socket set (56pc)**				
	Standard sockets: 1/4˝, 5/16˝, 3/8˝, 7/16˝, 1/2˝, 9/16˝, 5/8˝, 11/16˝, 3/4˝, 13/16˝, 7/8˝, 5/16˝, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm / Deep well sockets: 1/4˝, 5/16˝, 3/8˝, 7/16˝, 1/2˝, 9/16˝, 5/8˝, 11/16˝, 3/4˝, 13/16˝, 7/8˝, 5/16˝, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm	56	1	**4932464946**	4058546228910
⑤	**Metric 1/2˝ ratchet + socket set (28pc)**				
	Standard sockets: 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 20 mm, 21 mm, 22 mm, 23 mm, 24 mm / Deep well sockets: 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm / 3˝ extension, 5˝ extension & removable storage tray	28	1	**4932471864**	4058546297633

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Ratchets

- 90 tooth design with 4 degrees of arc swing for tight work spaces.
- Slim profile head with flush direction lever offers better accessibility.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
1/4˝ drive ratchet	1	1	**48229014**	045242513017
3/8˝ drive ratchet	1	1	**48229038**	045242513024
1/2˝ drive ratchet	1	1	**4932471865**	4058546297640

1/2˝ drive breaker bar

- Provides Extra leverage for tougher bolts.
- 180° swiveling head



Description	Total length (mm)	Total length (inch)	Article Number	EAN Code
1/2˝ drive breaker drive (15˝)	380	15	**4932471866**	4058546297657
1/2˝ drive breaker drive (24˝)	610	24	**4932471867**	4058546297664

Tradesman 3/8˝ ratchet set

- Pivoting ratchet head.
- Slim profile design for better access.
- Square shaped sockets compatible with combination spaners.
- Organised and portable storage solution.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Tradesman 3/8˝ ratchet set (12pc)				
3/8˝ sockets: 10, 12, 13, 14, 15, 17, 18 and 19 mm. 3/8˝ ratchet. 152 mm extension. 1/4˝ to 3/8˝ adaptor and 3/8˝ to 1/4˝ adaptor	12	1	**48229001**	045242495078

Steel and aluminium pipe wrenches

- Overbite jaw for secure grip on pipes and fittings.
- Dual coil springs for maximum durability and tool life.
- Ergonomic handle for maximum comfort, won't dig into the palm.
- Hardened jaws for increased durability and better grip.
- Lanyard hole.

	Description	Total length (mm)	Total length (inch)	Jaw opening capacity for pipe (mm)	Jaw opening capacity for pipe (inch)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
	Aluminium pipe wrench 250 mm	250	10	38	1.5	598	1	1	**48227210**	045242342372
	Aluminium pipe wrench 300 mm	300	12	51	2	816	1	1	**48227212**	045242342389
①	Aluminium pipe wrench 350 mm	350	14	51	2	1076	1	1	**48227214**	045242342396
	Aluminium pipe wrench 450 mm	450	18	63	2.5	1630	1	1	**48227218**	045242342419
	Aluminium pipe wrench 600 mm	600	24	76	3	2644	1	1	**48227224**	045242342426
	Steel pipe wrench 250 mm	250	10	38	1.5	916	1	1	**48227110**	045242342334
	Steel pipe wrench 300 mm	300	12	51	2	1270	1	1	**48227112**	045242342341
②	Steel pipe wrench 350 mm	350	14	51	2	1627	1	1	**48227114**	045242342358
	Steel pipe wrench 450 mm	450	18	63	2.5	2531	1	1	**48227118**	045242342365

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CHEATER - adaptable pipe wrench

- New-to-world 3 length design - 10″/250 mm mode for tight spaces, 18″/450 mm mode for general purpose, 24″/600 mm mode for maximum leverage and reach.
- Overbite jaw for secure grip on pipes and fittings.
- Dual coil springs for maximum durability and tool life.
- Ergonomic handle for maximum comfort, won't dig into the palm.
- Ergonomic hook jaw design - for easy detachment from the workpiece.
- Hardened jaws for increased durability and better grip.
- Lanyard hole.

Description	Total length (mm)	Total length (inch)	Jaw opening capacity for pipe (mm)	Jaw opening capacity for pipe (inch)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
Adaptable pipe wrench	250/450/600	10/18/24	63	2.5	3243	1	1	**48227314**	045242342402





Adjustable wrenches

- Precision adjustment screw with accurate threads and tight tolerances. The jaws won't back off during use.
- Chrome plating for best-in-class rust protection and increased durability.
- Ergonomic rounded handle design for a comfortable fit in the hand and less pressure points on the palm.
- Slim head design for reaching into tight spaces.
- Parallel jaws won't slip or damage finish surfaces.
- Permanent lasered inch and mm markings for accurate adjustment.
- 8″ adjustable wrench (48227508) has an extra wide jaw of 38 mm for increased jaw capacity in confined environments.
- Lanyard hole.



	Total length (mm)	Total length (inch)	Jaw opening capacity for pipe (mm)	Jaw thickness (mm)	Tip thickness (mm)	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
	150	6	24.5	11.5	7,7	186	1	1	**48227406**	045242356225
	200	8	30	14	8,7	353	1	1	**48227408**	045242356218
①	200	8	40	14	8,1	385	1	1	**48227508**	045242356232
	250	10	36.5	16	9,9	535	1	1	**48227410**	045242356201
	300	12	42.5	17	10,8	748	1	1	**48227412**	045242356195
	380	15	46	22	13,5	1,470	1	1	**48227415**	045242356188
②	150 mm (48227406) + 250 mm (48227410)						2	1	**48227400**	045242358823

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Basin wrench

- Ratchet-compatible design: Accepts 3/8″ ratchet.
- Hi-leverage design: Achieve break-away torque on stuck fasteners.
- Door-knob handle: More comfortable than square.
- Easy to adjust handle: Best-in-class adjustability.





Description	Jaw size (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
Basin wrench compact	10 - 32	1	1	**48227001**	045242366170
Basin wrench	32 - 65	1	1	**48227002**	045242366187

S Jaw pipe wrench

- Made of forged chrome vanadium steel and oil hardened for durability according to DIN 5234.
- Slim, S shaped 45° angled jaws for best reach in confined areas.
- Assymetric serrated induction hardened jaws for maximum grip.
- I beam handle design for maximum strength.



Total length (mm)	Capacity pipe [Max. Ø mm]	Weight (g)	Pack quantity	Min. order quantity	Article Number	EAN Code
340	52	965	1	1	**4932464576**	4058546225216
450	67	1570	1	1	**4932464577**	4058546225223
550	83	3000	1	1	**4932464578**	4058546225230

HOLLOWCORE™ magnetic nut drivers

- HOLLOWCORE™ unlimited depth in long bolts and threaded rod applications (patent pending).
- Magnetic retention driver heads for secure fitment in fastening applications.
- NEW TO WORLD universal driver head fits 4 x more fasteners - square, 12 point, 8 point, Hex.
- Removes rusted and stripped bolts.
- Colour coded ID markings allow for quick tool identification on jobsite.
- Wrench ready Hex shanks deliver additional leverage.
- Chrome plated for maximum durability.
- Forged steel shanks provide longer life and more durability.





	Size (mm)	Colour code	For anchor thread size	Pack quantity	Min. order quantity	Article Number	EAN Code
①	5	Black	-	1	1	**48222531**	045242294428
②	5.5	Brown	M3	1	1	**48222532**	045242294435
③	6	Red	M3.5	1	1	**48222533**	045242294442
④	7	Orange	M4	1	1	**48222534**	045242294459
⑤	8	Yellow	M5	1	1	**48222535**	045242294466
⑥	10	Blue	M6	1	1	**48222536**	045242294473
⑦	13	Orange	M8	1	1	**48222537**	045242294480

Fish tape

- High flexibility tape for easier feeding
- Thicker tape for better pushing
- Triple strand design, won't kink
- Low friction case for smooth pay out
- Square inner grip for easier winding



	Description	Length (m)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	Steel fish tape 7.5m	7.5	1	1	**4932472120**	4058546325169
①	Steel fish tape 15m	15	1	1	**4932472121**	4058546325176
②	Polyester fish tape 15m	15	1	1	**4932472118**	4058546325145
②	Polyester fish tape 30m	30	1	1	**4932472119**	4058546325152

Hook & pick set

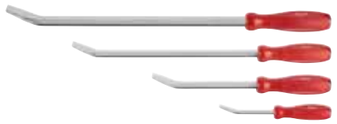
- All-metal core for more durability and rust protection.
- Chrome-plated shanks reduce corrosion and provide superior rust protection.
- Comfort grip handle and precision knurling increase tool control and user comfort.
- Supplied in an easy-access storage tray for long-term tool storage.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Hook & pick set	4	1	**48229215**	045242508105

Pry bar set

- I-Beam design for up to 40% more prying strength.
- All-Metal Core for improved durability.
- Hammer-ready strike cap improves leverage when working in tight and tricky spaces.
- Comfortable Tri-Lobe Handles for better grip.
- All-chrome shafts for increased durability.
- Curved claw design reduces damage when pulling nails.





Contents	Pack quantity	Min. order quantity	Article Number	EAN Code
200mm - 300m - 450mm - 600mm	1	1	48229214	045242508099

SAFETY SOLUTIONS

STAY **SAFE.**
STAY **PRODUCTIVE.**

SAFETY GLASSES

HIGH-VISIBILITY VESTS

CUT RESISTANT & SPECIAL APPLICATION GLOVES

TOOL LANYARDS

OVER
35
PPE SOLUTIONS





MILWAUKEE® GLOVES GUIDE

RESISTANCE TO CUT AND ABRASION

CUT LEVEL E
Double layer nitrile creates the ideal glove for handling sharp objects.

CUT LEVEL C
Ideal for stripping wire or pipe threading and cutting.

CUT LEVEL A
Ideal for material handling and light constructions duty.

FEATURES KEY

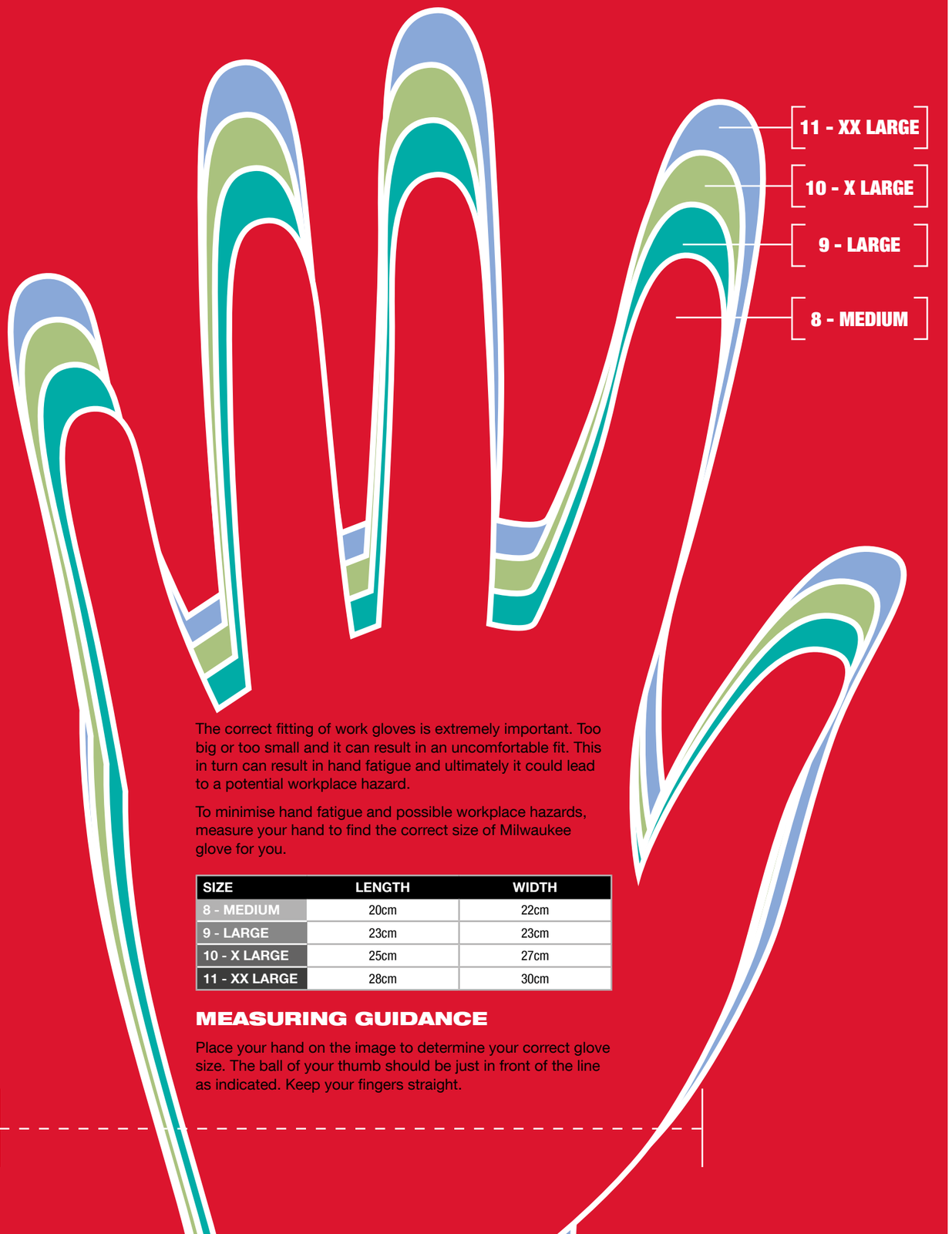


GLOVE TYPES



	CUT LEVEL A	CUT LEVEL C	HI-VIS CUT LEVEL C	CUT LEVEL E	WINTER CUT LEVEL A	WINTER CUT LEVEL C	FREE FLEX	FINGERLESS	DEMOLITION	IMPACT DEMOLITION	IMPACT CUT LEVEL C	HYBRID LEATHER	LEATHER
FEATURES													
EN 388 RATING	3121A	4343C	4442C	4X44E	EN388: 1141A EN511: 01X	EN388: 2442C EN511: 02X	2121X	2121X	2121X	2121XP	4343CP	2122X	2122X
APPLICATIONS													
AUTO MECHANICAL	✓	✓	✓		✓	✓		✓		✓	✓		
CARPENTER	✓		✓		✓		✓	✓				✓	✓
CONSTRUCTION WORK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DEMOLITION									✓	✓	✓		
ELECTRICAL	✓	✓	✓			✓	✓	✓					
GLASS HANDLING				✓									
HVAC		✓	✓	✓		✓	✓	✓	✓			✓	✓
MATERIAL HANDLING	✓		✓		✓		✓	✓				✓	✓
MRO	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
OFF SHORE / OIL & GAS		✓								✓	✓		
PIPE THREADING		✓	✓	✓		✓			✓				
PLUMBING	✓		✓		✓		✓	✓					
SHEET METAL				✓					✓	✓			
UTILITY WIRE STRIPPING		✓	✓	✓		✓							
SIZES													
MEDIUM / 8	4932471416	4932471420	4932478131	4932471424	4932471343	4932471347	48229711	48229741	48229731	4932471908	4932478127	4932471912	4932478123
LARGE / 9	4932471417	4932471421	4932478132	4932471425	4932471344	4932471348	48229712	48229742	48229732	4932471909	4932478128	4932471913	4932478124
EXTRA LARGE / 10	4932471418	4932471422	4932478133	4932471426	4932471345	4932471349	48229713	48229743	48229733	4932471910	4932478129	4932471914	4932478125
EXTRA EXTRA LARGE / 11	4932471419	4932471423	4932478134	4932471427	4932471346	4932471350	48229714	48229744	48229734	4932471911	4932478130	4932471915	4932478126

GLOVE SIZING CHART



The correct fitting of work gloves is extremely important. Too big or too small and it can result in an uncomfortable fit. This in turn can result in hand fatigue and ultimately it could lead to a potential workplace hazard.

To minimise hand fatigue and possible workplace hazards, measure your hand to find the correct size of Milwaukee glove for you.

SIZE	LENGTH	WIDTH
8 - MEDIUM	20cm	22cm
9 - LARGE	23cm	23cm
10 - X LARGE	25cm	27cm
11 - XX LARGE	28cm	30cm

MEASURING GUIDANCE

Place your hand on the image to determine your correct glove size. The ball of your thumb should be just in front of the line as indicated. Keep your fingers straight.

Cut resistant dipped gloves

Description	Colour code	Size	Pack quantity	Min. order quantity	Article Number	EAN Code
① Cut level 1/A dipped gloves	White	8 / M	1	1	**4932471416**	4058546290443
			12	1	**4932471614**	4058546295134
		9 / L	1	1	**4932471417**	4058546290450
			12	1	**4932471615**	4058546295141
		10 / XL	1	1	**4932471418**	4058546290467
			12	1	**4932471616**	4058546295158
		11 / XXL	1	1	**4932471419**	4058546290474
			12	1	**4932471617**	4058546295165
② Cut level 3/C dipped gloves	Black	8 / M	1	1	**4932471420**	4058546290481
			12	1	**4932471618**	4058546295172
		9 / L	1	1	**4932471421**	4058546290498
			12	1	**4932471619**	4058546295189
		10 / XL	1	1	**4932471422**	4058546290504
			12	1	**4932471620**	4058546295196
		11 / XXL	1	1	**4932471423**	4058546290511
			12	1	**4932471621**	4058546295202
③ Hi-Vis cut level 3/C dipped gloves	Black	8 / M	1	1	**4932478131**	4058546340643
		9 / L	1	1	**4932478132**	4058546340650
		10 / XL	1	1	**4932478133**	4058546340667
		11 / XXL	1	1	**4932478134**	4058546340674
④ Cut level 5/E dipped gloves	Red	8 / M	1	1	**4932471424**	4058546290528
			12	1	**4932471622**	4058546295219
		9 / L	1	1	**4932471425**	4058546290535
			12	1	**4932471623**	4058546295226
		10 / XL	1	1	**4932471426**	4058546290542
			12	1	**4932471624**	4058546295233
		11 / XXL	1	1	**4932471427**	4058546290559
			12	1	**4932471625**	4058546295240
⑤ Winter cut level 1/A dipped gloves	White	8 / M	1	1	**4932471343**	4058546289713
			12	1	**4932471606**	4058546295059
		9 / L	1	1	**4932471344**	4058546289720
			12	1	**4932471607**	4058546295066
		10 / XL	1	1	**4932471345**	4058546289737
			12	1	**4932471608**	4058546295073
		11 / XXL	1	1	**4932471346**	4058546289744
			12	1	**4932471609**	4058546295080
⑥ Winter cut level 3/C dipped gloves	Black	8 / M	1	1	**4932471347**	4058546289751
			12	1	**4932471610**	4058546295097
		9 / L	1	1	**4932471348**	4058546289768
			12	1	**4932471611**	4058546295103
		10 / XL	1	1	**4932471349**	4058546289775
			12	1	**4932471612**	4058546295110
		11 / XXL	1	1	**4932471350**	4058546289782
			12	1	**4932471613**	4058546295127

① 

CE certified for EN420 and EN388:2016 (3121A).

② 

CE certification for EN420 and EN388:2016 (4343C).

③ NEW 

CE certified for EN420 and EN388:2016 (4442C).

④ 

CE certified for EN420 and EN388:2016(4X44E).

⑤ 

CE certified for EN420, EN388:2016 (111A) and EN511 (01X).

⑥ 

CE certified for EN420, EN388:2016(2442C) and EN511 (02X).

Impact cut level C gloves

NEW

- Impact resistant material on back of the hand and fingers reduces and absorbs shock.
- Reinforced nitrile coating with added protection between thumb and fingers.
- Excellent grip performance - nitrile material performs better than other materials in extreme temperatures and oily surfaces.
- SMARTSWIPE™ palm and fingertips - allows the use of touch screen devices without removing gloves.
- European Certified for cut resistance protection including impact testing: EN420 and EN388:2016 (4343CP).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Impact Cut Level 3 Dipped Gloves - 8/M - 1pc	1	1	**4932478127**	4058546340605
Impact Cut Level 3 Dipped Gloves - 9/L - 1pc	1	1	**4932478128**	4058546340612
Impact Cut Level 3 Dipped Gloves - 10/XL - 1pc	1	1	**4932478129**	4058546340629
Impact Cut Level 3 Dipped Gloves - 11/XXL - 1pc	1	1	**4932478130**	4058546340636



Impact demolition gloves

NEW

- Impact resistant material, on back of hand and fingers, to reduce and absorb shock.
- ARMORTEX™ reinforced palms and finger tips: Increased durability and hand protection.
- Superior palm grip on oily and wet surfaces.
- European Certified for cut resistance protection including impact testing: EN420 and EN388:2016 (2121XP).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Impact Demolition Gloves - M/8 - 1pc	1	1	**4932471908**	4058546298074
Impact Demolition Gloves - L/9 - 1pc	1	1	**4932471909**	4058546298081
Impact Demolition Gloves - XL/10 - 1pc	1	1	**4932471910**	4058546298098
Impact Demolition Gloves - XXL/11 - 1pc	1	1	**4932471911**	4058546298104



Hybrid leather gloves

NEW

- Smartswipe™ - Allows the use of touch screen devices without removing the gloves on the index finger knuckle.
- Leather on the palm for extended durability and reinforced protection of hands.
- Synthetic leather on back of the hand to offer more dexterity and breathability while working.
- Reinforced palm for added comfort and protection while handling heavy objects.
- European Certified for cut resistance protection: EN420 and EN388:2016 (2122X).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Hybrid Leather Gloves - M/8 - 1pc	1	1	**4932471912**	4058546298111
Hybrid Leather Gloves - L/9 - 1pc	1	1	**4932471913**	4058546298128
Hybrid Leather Gloves - XL/10 - 1pc	1	1	**4932471914**	4058546298135
Hybrid Leather Gloves - XXL/11 - 1pc	1	1	**4932471915**	4058546298142



Leather gloves

NEW

- Top grain goatskin leather gives extended durability and reinforced protection of hands.
- Reinforced palm provides added comfort and protection while handling heavy objects.
- Keystone thumb for comfortable fit and extended wear.
- Smartswipe™ - Allows the use of touch screen devices without removing the gloves on the index finger knuckle.
- European Certified for cut resistance protection: EN420 and EN388:2016 (2122X).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Leather Gloves - 8/M - 1pc	1	1	**4932478123**	4058546340568
Leather Gloves - 9/L - 1pc	1	1	**4932478124**	4058546340575
Leather Gloves - 10/XL - 1pc	1	1	**4932478125**	4058546340582
Leather Gloves - 11/XXL - 1pc	1	1	**4932478126**	4058546340599



Demolition gloves

- ARMORTEX™ reinforced palms and finger tips: Increased durability and hand protection.
- SMARTSWIPE™ Knuckle: Capacitive knuckle allows to use touch screen devices without removing gloves or using dirty fingertips.
- Breathable tri-cot lining: Provides ultimate comfort and breathability.
- Knuckle protection: TPR pad provides knuckle protection.
- Terry cloth thumb: Built in sweat/brow wipe.
- Hook & Loop closure for secure fit.
- Fulfill the requirements of CE Category 2, EN 420 and EN 388 – 2221.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Demolition Gloves - M/8 - 1pc	1	1	**48229731**	045242479436
Demolition Gloves - L/9 - 1pc	1	1	**48229732**	045242479443
Demolition Gloves - XL/10 - 1pc	1	1	**48229733**	045242479450
Demolition Gloves - XXL/11 - 1pc	1	1	**48229734**	045242479467



Fingerless gloves

- Designed to provide ultimate dexterity when handling small objects.
- Reinforced palm and thumb seam.
- Lightweight, breathable backing.
- Moisture wicking lining provides all day comfort.
- Built-in sweat wipe.
- Hook & Loop closure for secure fit.
- Fulfil the requirements of CE Category 2, EN 420 and EN 388.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Fingerless Gloves - M/8 - 1pc	1	1	**48229741**	045242508730
Fingerless Gloves - L/9 - 1pc	1	1	**48229742**	045242508747
Fingerless Gloves - XL/10 - 1pc	1	1	**48229743**	045242508754
Fingerless Gloves - XXL/11 - 1pc	1	1	**48229744**	045242508761



FREE-FLEX work gloves

- SMARTSWIPE™ knuckle, palm and fingertips.
- Flexible and elastic gloves.
- Lightweight, breathable backing.
- Reinforced thumb seam.
- High dexterity finger tips.
- Built-in sweat wipe.
- Fulfill the requirements of CE Category 2, EN 420 and EN 388.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
FREE-FLEX Gloves - M/8 - 1pc	1	1	**48229711**	045242508693
FREE-FLEX Gloves - L/9 - 1pc	1	1	**48229712**	045242508709
FREE-FLEX Gloves - XL/10 - 1pc	1	1	**48229713**	045242508716
FREE-FLEX Gloves - XXL/11 - 1pc	1	1	**48229714**	045242508723





TOOL LANYARD ACCESSORIES

STAY SAFE. SECURE ANY TOOL.

EASILY CONNECT

- Creates a secure attachment point
- Different connection system (self-adhering tape or rings)

HIGH VERSATILITY

- Possibility to connect tools with or without lanyard holes
- Allows fast tool swap



Tool lanyard accessories

	Description	Colour code	Bearing force (kg)	Pack quantity	Min. order quantity	Article Number	EAN Code
①	2.2 kg small QUICK-CONNECT™ accessory	White	2.2	3	1	**4932471430**	4058546290580
②	2.2 kg D-ring web attachment	White	2.2	5	1	**4932471431**	4058546290597
③	3.6 m self-adhering tape	-	-	1	1	**48228860**	4058546290603
④	38 mm split ring	-	1	5	1	**4932471433**	4058546290610
⑤	50 mm split ring	-	1	5	1	**4932471434**	4058546290627
⑥	Anchoring strap	Green	22.7	1	1	**4932472105**	4058546325015

Locking tool lanyards

- Superior shock absorption - gradually stop the tool if dropped.
- Double locking carabiner - ensures a secure connection that cannot become loose or slip off accidently.
- Integrated swivel - prevents twists and tangles allowing increased mobility.
- Colour coded weight rating - easy identification of lanyard weight capacity.
- High versatility - lanyard accessories can be added to connect all tools to the lanyards.



	Description	Bearing force (kg)	Colour code	Pack quantity	Min. order quantity	Article Number	EAN Code
①	4.5 kg locking tool lanyard	4.5	Red	1	1	**4932471351**	4058546289799
②	4.5 kg QUICK-CONNECT™ locking tool lanyard	4.5	Red	1	1	**4932471429**	4058546290573
③	6.8 kg locking tool lanyard	6.8	Black	1	1	**4932471352**	4058546289805
④	15.8 kg locking tool lanyard	15.8	Grey	1	1	**4932471353**	4058546289812



Wrist tool lanyard

- Secure and comfortable tools attachment to the wrist.
- Soft and adjustable strap - fits all wrist sizes with a hook and loop closure.
- Hang loop to securely attach all kind of tools - power tools, tapes, screwdrivers, etc.
- Wrist lanyard allows an easy access to tools in a tight environment or in repetitive work.
- Colour coded weight rating - easy identification of lanyard weight capacity.



Description	Bearing force (kg)	Colour code	Pack quantity	Min. order quantity	Article Number	EAN Code
Wrist lanyard	2.2	White	1	1	**4932472107**	4058546325039

PACKOUT™

MODULAR STORAGE SYSTEM

VERSATILE, DURABLE

The MILWAUKEE® PACKOUT™ modular storage system revolutionises tool transportation, organisation and storage. Designed to provide users with the ability to interchange and interlock a wide assortment of heavy duty tool boxes, organisers and storage totes in multiple different configurations.



FULLY CUSTOMIZE YOUR STORAGE

IMPACT RESISTANT BASE

IP65 RATED PROTECTION

PACKOUT™ trolley box

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- 113 kg weight capacity.
- Industrial grade extension handle.
- Oversized Ø 228 mm all terrain wheels.
- IP65 rated weather seal to keep out rain and jobsite debris.
- Metal reinforced corners.
- Metal reinforced locking point.
- Interior organiser tray.
- Mounting location for the ONE-KEY™ TICK™.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ trolley box	560 x 410 x 480	1	1	**4932464078**	4058546220235

PACKOUT™ boxes

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- IP65 rated weather seal to keep out rain and jobsite debris.
- Metal reinforced corners.
- Metal reinforced locking point.
- Interior organiser trays.
- Mounting location for the ONE-KEY™ TICK ™.
- Metal reinforced top handle for easier carrying (only on the large box).

① 

② 

Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
① PACKOUT™ large box	560 x 410 x 290	1	1	**4932464079**	4058546220242
② PACKOUT™ box	560 x 410 x 170	1	1	**4932464080**	4058546220259

PACKOUT™ 3 piece set

Contents	Pack quantity	Min. order quantity	Article Number	EAN Code
1 x PACKOUT™ trolley box, 1 x PACKOUT™ large box, 1 x PACKOUT™ box	3	1	**4932464244**	4058546221898



PACKOUT™ organiser

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- The interior features 10 removable & mountable bins that can be mounted onto common jobsite materials for easy access.
- IP65 rated weather seal to keep out rain and jobsite debris.
- No-travel bins seals to prevent the bins contents from migrating between bins during transport.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ organiser	500 x 380 x 120	1	1	**4932464082**	4058546220273

PACKOUT™ compact organiser

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- The interior features 5 removable & mountable bins that can be mounted onto common jobsite materials for easy access.
- IP65 rated weather seal to keep out rain and jobsite debris.
- No-travel bins seals to prevent the bins contents from migrating between bins during transport.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ compact organiser	250 x 380 x 120	1	1	**4932464083**	4058546220280

PACKOUT™ slim organiser

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- Interior features 2 large bins and 8 small bins. All bins contain dividers.
- No travel bin seals to prevent the bins contents from migrating between bins during transportation.
- IP 65 rated weather seal to keep out rain and jobsite debris.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ slim organiser	500 x 380 x 65	1	1	**4932471064**	4058546286927

PACKOUT™ compact slim organiser

- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.
- Interior features 1 large bin and 4 small bins. All bins contain dividers.
- No travel bin seals to prevent the bins contents from migrating between bins during transportation.
- IP 65 rated weather seal to keep out rain and jobsite debris.



Description	Dimensions (mm)	Min. order quantity	Pack quantity	Article Number	EAN Code
PACKOUT™ compact slim organiser	250 x 380 x 65	1	1	**4932471065**	4058546286934

PACKOUT™ compact tool box

- Quick-Adjust Dividers allow users to store and organize larger equipment and accessories, such as fittings, connectors or caulk.
- Enough storage capacity to fit power tools like circular saws, grinders, drill drivers.
- 34 kg weight capacity.
- Constructed with impact resistant polymers for jobsite durability.
- IP 65 rated weather seal to keep out rain and jobsite debris.
- Part of the PACKOUT™ modular storage system.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ compact tool box	411 x 254 x 330	1	1	**4932471723**	4058546292232







PACKOUT™ hard cooler

- Double premium insulation keeps contents cold for up to 30 hours.
- IP 65 Food Grade Leak-Proof Liner prevents leakages and protects contents from debris and dust.
- Integrated bottle opener.
- Removable tray for separate storage of personal items to keep them elevated above icy water.
- 15 l capacity.
- Constructed with impact resistant polymers for jobsite durability.
- Part of the PACKOUT™ modular storage system.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ hard cooler	411 x 254 x 330	1	1	**4932471722**	4058546296216







PACKOUT™ 2 wheeled cart

NEW

- 2 integrated PACKOUT™ mounting locations for additional storage options.
- Integrated holder for longer tools, such as levels.
- 180 kg weight capacity.
- 25 cm in-board wheels easily roll through doorways.
- Folding base plate for easy storage.
- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ 2 wheeled cart	1200 x 510 x 290	1	1	**4932472131**	4058546325275







PACKOUT™ flat trolley

- 113kg weight capacity.
- Durable casters to easily roll with heavy load on a jobsite.
- Includes 1 locking brake and 2 side locks to stop the trolley and easily connect the PACKOUT™ boxes and bags.
- Part of the PACKOUT™ modular storage system.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ flat trolley	610 x 480 x 190	1	1	**4932471068**	4058546286965

PACKOUT™ crate

- Versatile stacking options: vertical and horizontal.
- 22 kg weight capacity.
- Large storage capacity for all kind of tools.
- Other PACKOUT™ products can be stacked on top of the crate.
- Part of the PACKOUT™ modular storage system.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ crate	450 x 390 x 250	1	1	**4932471724**	4058546296230

PACKOUT™ mounting plate

- Multiple mounting configurations.
- Turn the PACKOUT™ into a stationary storage.
- 4 5kg floor mounted weight capacity.
- 22 kg wall mounted weight capacity.
- Connects to all Milwaukee PACKOUT™ modular storage.
- Impact resistant polymer construction.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ mounting plate	600 x 470 x 030	1	6	**4932471638**	4058546295370

PACKOUT™ customisable work surface

NEW

- Marine grade plywood top provides smooth surface for light assembly work, writing, sketching or working on a laptop.
- Fastener-ready surface allows for easy mounting of common jobsite materials and larger tools on top of a PACKOUT™ stack.
- 22 kg weight capacity.
- Part of the PACKOUT™ modular storage system.
- Constructed with impact resistant polymers for jobsite durability.



Description	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ customisable work surface	60 x 650 x 380	1	6	**4932472128**	4058546325244







PACKOUT™ tote toolbag

- Part of the PACKOUT™ modular storage system.
- 1680 ballistic material construction.
- Impact resistant molded base.
- All metal hardware.
- Durable overmolded handle.



	Description	Dimensions (mm)	No. of pockets	Pack quantity	Min. order quantity	Article Number	EAN Code
①	25 cm tote toolbag	250 x 280 x 320	28	1	1	**4932464084**	4058546220297
②	40 cm tote toolbag	250 x 400 x 320	31	1	1	**4932464085**	4058546220303
③	50 cm tote toolbag	250 x 500 x 320	32	1	1	**4932464086**	4058546220310

①



②



③



PACKOUT™ duffel bag

- Part of the PACKOUT™ modular storage system.
- Made from 1680D Ballistic Material for jobsite durability.
- Impact resistant polymer base protects contents from water, dirt and tear.
- Large storage capacity for larger tools.



	Description	Pack quantity	Min. order quantity	Article Number	EAN Code
①	38 cm PACKOUT™ duffel bag	1	1	**4932471066**	4058546286941
②	50 cm PACKOUT™ duffel bag	1	1	**4932471067**	4058546286958

①



②



PACKOUT™ tech bag

- Part of the PACKOUT™ modular storage system.
- Made from 1680D ballistic material for jobsite durability.
- 58 total pockets. Hardshell protected instrument pocket.
- Secure and protected storage for laptops and tablets.
- Impact resistant polymer base protects contents from water, dirt and tear.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ tech bag	1	1	**4932471130**	4058546287580

PACKOUT™ backpack

- Part of the PACKOUT™ modular storage system.
- Made from 1680D ballistic material for jobsite durability.
- 48 total pockets including a hard-shell protected instrument pocket.
- Extra back padding, chest strap, attachment strap for rolling bags and heavy duty harness for ultimate jobsite comfort.
- Impact resistant polymer base protects contents from water and dirt and also allows backpack to stand up.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ backpack	1	1	**4932471131**	4058546287597

PACKOUT™ jobsite cooler

- Part of the PACKOUT™ modular storage system.
- 20l volume capacity with a dry compartment and a storage space for drinks.
- Extra insulation keeps contents cold for 24 hours.
- Impact resistant polymer base protects contents from water, dirt, and tear.
- Shoulder strap for easy transport.



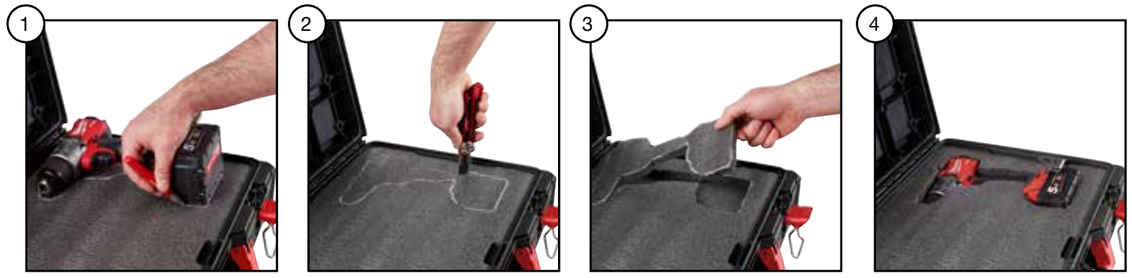
Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ jobsite cooler	1	1	**4932471132**	4058546287603

PACKOUT™ foam inserts

- Fully customisable - foam Insert allows you to fully customise your storage by cutting out custom pockets to securely store and protect your tools.
- Durable construction provides increased protection for tools.
- Optimised storage - allows easy access to the tools.
- Ref. 4932471428: Designed to fit in two PACKOUT™ boxes - tool box (4932464080) & large tool box (4932464079).
- Ref. 4932464078: Designed to fit in the PACKOUT™ trolley box (4932464078).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ foam insert	2	1	**4932471428**	4058546290566
PACKOUT™ trolley foam insert	1	1	**4932471927**	4058546298265



PACKOUT™ adaptor HD box

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
PACKOUT™ adaptor HD box	1	1	**4932464081**	4058546220266



PACKOUT™ inserts

- Removable inserts for PACKOUT™ boxes and organisers.
- Ref. 4932478298: Organisation tray designed to fit PACKOUT™ trolley box (4932464078) and large box (4932464079).
- Ref. 4932478299: Set of organisation trays designed to fit PACKOUT™ box (4932464080).
- Ref. 4932478300: Set of organisation boxes designed to fit PACKOUT™ organiser (4932464082) and compact organiser (4932464083).
- Ref. 4932478301: Set of organisation boxes designed to fit PACKOUT™ slim organiser (4932471064) and compact slim organiser (4932471065).

Description	Pack quantity	Min. order quantity	Article Number	EAN Code
① Removable tray for PACKOUT™ trolley box and large box	1	1	**4932478298**	4058546344757
② Removable trays for PACKOUT™ box	4	1	**4932478299**	4058546344764
③ Removable bins for PACKOUT™ slim organiser and compact slim organiser	5	1	**4932478301**	4058546344788
④ Removable bins for PACKOUT™ organiser and compact organiser	5	1	**4932478300**	4058546344771



Ultimate jobsite backpack

- Constructed with 1680D ballistic material and with rugged metal zippers to provide increased durability.
- Hard molded base allows backpack to stand up and reduces ingress of dirt and water.
- Adjustable chest strap and attachment strap for rolling bags.
- Padded and breathable load-bearing harness evenly distributes the weight for more comfort and jobsite performance.
- 48 total pockets including 2 hardshell pockets to protect electronics and equipment from impact.
- Backpack provides exceptional organisation.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Ultimate jobsite backpack	1	1	**4932464833**	4058546227784







Jobsite backpack

- Durable construction, made from 1680D ballistic nylon.
- Hard moulded base allows bag to stand-up and provides ultimate all-weather protection.
- Padded, breathable straps for ultimate comfort and jobsite performance.
- Large storage - 35 pockets in total.
- Fold down front pocket for easier access and storage of larger items. Side water bottle pocket.
- Vertical tool wall maximises storage space while allowing for bulk storage space.
- Laptop pocket allows protected storage for laptops/tablets and personal goods.
- Exterior daisy chains allow clip on storage.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Jobsite backpack	1	1	**48228200**	045242333943







Tradesman backpack

- Durable construction, made from 1680D ballistic nylon.
- Padded straps for more comfort and jobsite performance.
- Laptop pocket allows protected storage for laptops/tablets and personal goods.
- 18 organiser pockets allow variety of options.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Tradesman backpack	1	1	**4932464252**	4058546221973

Low profile backpack

- Constructed with 1680D ballistic material and with rugged metal zippers to provide increased durability.
- Reinforced base protects the packpack from being damaged by abusive jobsite conditions.
- Adjustable chest strap and attachment strap for rolling bags.
- Padded and breathable load-bearing harness evenly distributes the weight for more comfort and jobsite performance.
- 22 pockets including a padded electronic sleeve to provide ultimate organisation.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Low profile backpack	1	1	**4932464834**	4058546227791

Jobsite cooler

- Constructed with 1680D ballistic material and with rugged metal zippers to provide increased durability.
- Specifically designed to be durable enough to withstand tough jobsite conditions.
- Cooler utilises double insulation and a food-grade leak proof liner to keep ice cold for 24 hours without leaking.
- Tape measure clip with a bottle opener provides ultimate versatility.
- Padded shoulder strap with metal hardware for ultimate durability.
- Tech pocket and dry storage compartment for storing tablets and electronic devices.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Jobsite cooler	1	1	**4932464835**	4058546227807

Electricians pouch

- Robust construction, made from 1680D ballistic nylon.
- Double stitched with stronger riveted seams.
- Integrated handle allows easy transport and provides an easy mounting point on common jobsite materials.
- Solid base allows bag to stand-up, even when fully loaded.
- Integrated belt loops allow bag to be worn on a tool belt.
- Center mounted metal D-rings allow bag to hang evenly from shoulder strap.
- Metal tape measure clip securely stores tape for easy access.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Electricians pouch	1	1	**48228112**	045242509157

Contractor rig

- Robust construction, made from 1680D ballistic nylon.
- Double stitched with stronger riveted seams.
- Padded 4-point harness distributes weight for all day comfort.
- Padded, breathable belt for ultimate comfort and jobsite performance.
- Integrated handle allows easy transport of the pouch and provides easy mounting point on common jobsite materials.
- Metal suspender attachments allow suspenders to be added.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Contractor rig	1	1	**48228120**	045242333974

Padded rig

- Adjustable straps designed to fit all users.
- 1680D ballistic material construction.



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Padded rig	1	1	**48228145**	045242358212

Work belt

- Metal hardware and 1680D ballistic nylon provide a lifetime of service.
- Up to 152 mm (6″) of padding and can accomodate waist sizes up to 143 mm (53″).



Description	Pack quantity	Min. order quantity	Article Number	EAN Code
Work belt	1	1	**48228140**	045242358168

Transport cases

Description			Metal/ Plastic	Pack quantity	Min. order quantity	Article Number	EAN Code
Transport case for hammers	K 900,K 950		Plastic case	1	1	**4931375502**	4002395752881
Transport case for wall chasers	WCE 30,WCS 45,DME 30,DME 45	MFE 1500,MFE 1305,MF 1900	Metal case	1	1	**4932383357**	4002395357390

HEAVY DUTY™ boxes

■ Cases supplied wih latches and foam.



HD Box Size	Dimensions (mm)	Pack quantity	Min. order quantity	Article Number	EAN Code
1	475 x 358 x 132	1	1	**4932453385**	4002395146376
3	475 x 358 x 230	1	1	**4932453386**	4002395143634
Accessories HD Box organisers		1	1	**4932451545**	4002395146581
HD Box 1 universal - supplied with foam insert		1	1	**4932459751**	4058546029234
HD Box 1 universal - with FUEL logo - supplied with foam insert		1	1	**4932459206**	4002395287215
Spare latches		2	1	**4932373252**	4002395347247
PACKOUT™ adaptor HD box		1	1	**4932464081**	4058546220266

Inserts for HEAVY DUTY™ boxes

HD Box Insert	Pack quantity	Min. order quantity	Article Number	EAN Code
1	1	1	**4932440936**	4002395147588
3	1	1	**4932453379**	4002395148202
8	1	1	**4932453508**	4002395146390
9	1	1	**4932453507**	4002395143603
10	1	1	**4932453509**	4002395143610
11	1	1	**4932453510**	4002395143627
12	1	1	**4932453859**	4002395275649
13	1	1	**4932453855**	4002395275656
14	1	1	**4932453856**	4002395275663
15	1	1	**4932453857**	4002395275670
16	1	1	**4932453858**	4002395275687
17	1	1	**4932453860**	4002395275694
HD Box accessories insert	1	1	**4932451546**	4002395146598



HD Box Insert	HD Box Size	Fits Milwaukee® kits	Article Number	EAN Code
1	1	M18 CDD-202X, M18 CPD-202X, M18 CDD-502X, M18 CPD-502X, M18 CIW12-502X, M18 CID-202X, M18 CID-502X	**4932440936**	4002395147588
3	1	M18 FDD-202X, M18 FDD-502X, M18 FPD-202X, M18 FPD-502X, M18 ONEPD-502X, M18 ONEDD-502X	**4932453379**	4002395148202
8	1	M18 CHIWF12-502X, M18 CHIWF34-502X, M18 CHIWP12-502X	**4932453508**	4002395146390
9	1	M18 CAG115X-502X, M18 CAG125X-502X, M18 CAG125XPD-502X	**4932453507**	4002395143603
10	1	M18 CRAD-502X	**4932453509**	4002395143610
11	1	M18 FIWF12-502X, M18 FID-502X, M18 ONEID-502X, M18 ONEIWP-502X, M18 ONEIWF-502X	**4932453510**	4002395143627
12	3	M18 CCS66-502X	**4932453859**	4002395275649
13	3	M18 CHX-502X	**4932453855**	4002395275656
14	3	M18 CHPX-502X	**4932453856**	4002395275663
15	3	M18 CSX-502X	**4932453857**	4002395275670
16	3	M18 CCS55-502X	**4932453858**	4002395275687
17	3	M18 CAG125XPDB-502X, M18 CAG115XPDB-502X	**4932453860**	4002395275694
HD Box accessories insert			**4932451546**	4002395146598

Notes

Nothing but **HEAVY DUTY.**™

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