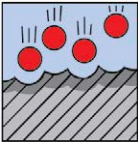
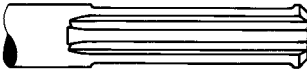
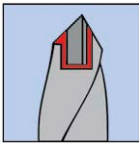


Hammer Drill Bit SDS-max CLASSICspeed

Hints

- The certification mark listed below ,guarantees compliance with the requirements of our drill the Building Research Institute HM hammer drill used for the production of dowel holes



Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
CLASSICspeed SDS-max	SDS Max	12 mm	200 mm	340 mm	1	905127
CLASSICspeed SDS-max	SDS Max	12 mm	400 mm	540 mm	1	905135
CLASSICspeed SDS-max	SDS Max	14 mm	200 mm	340 mm	1	905151
CLASSICspeed SDS-max	SDS Max	14 mm	400 mm	540 mm	1	905160

AGR: 10.010

Hammer drill bit **SUPERspeed** II SDS-plus

- Highest drilling speed due to the three additional breakers on the carbide plate in combination with the new innovative Vario-Spiral
- Strengthened robustness against rebar hits thanks to enlarged reinforcement chamfers
- Easy centering and spot drilling due to the distinct center point
- Fast drill dust transport without deflagration thanks to the extended and high-volumed spiral
- Less vibrations and higher break resistance due to the vario core-reinforcement flute

Application Area

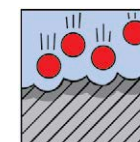
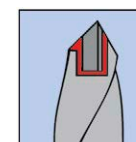
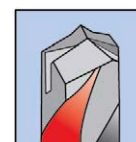
- Concrete and reinforced concrete, natural stone, masonry

Characteristics

- Suitable for all hammer drills with SDS-plus chuck

Processing Information

- When using hammer drill bits with a usable length of 550 mm and more as well as the size 6x400 mm, you should pre-drill the hole with a shorter hammer drill bit (minimum depth 150 mm)



Stone drills

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
SUPERspeed II SDS-plus	SDS plus	4 mm	50 mm	110 mm	1	213517
SUPERspeed II SDS-plus	SDS plus	4 mm	100 mm	160 mm	1	213518
SUPERspeed II SDS-plus	SDS plus	5 mm	50 mm	110 mm	1/10	213520
SUPERspeed II SDS-plus	SDS plus	5 mm	100 mm	160 mm	1/10	213521
SUPERspeed II SDS-plus	SDS plus	6 mm	50 mm	110 mm	1/10	213524
SUPERspeed II SDS-plus	SDS plus	6 mm	100 mm	160 mm	1/10	213525
SUPERspeed II SDS-plus	SDS plus	6 mm	150 mm	210 mm	1/10	213526
SUPERspeed II SDS-plus	SDS plus	6 mm	200 mm	260 mm	1	213528
SUPERspeed II SDS-plus	SDS plus	6 mm	250 mm	310 mm	1	213529
SUPERspeed II SDS-plus	SDS plus	6 mm	400 mm	460 mm	1	213530
SUPERspeed II SDS-plus	SDS plus	6.5 mm	150 mm	210 mm	1	213532
SUPERspeed II SDS-plus	SDS plus	6.5 mm	200 mm	260 mm	1/10	213533
SUPERspeed II SDS-plus	SDS plus	6.5 mm	250 mm	310 mm	1/10	213534
SUPERspeed II SDS-plus	SDS plus	6.5 mm	390 mm	450 mm	1	213536
SUPERspeed II SDS-plus	SDS plus	7 mm	100 mm	160 mm	1	213537
SUPERspeed II SDS-plus	SDS plus	7 mm	200 mm	250 mm	1	213538
SUPERspeed II SDS-plus	SDS plus	7 mm	400 mm	450 mm	1	249059
SUPERspeed II SDS-plus	SDS plus	8 mm	50 mm	110 mm	1/10	213539
SUPERspeed II SDS-plus	SDS plus	8 mm	100 mm	160 mm	1/10	213540
SUPERspeed II SDS-plus	SDS plus	8 mm	150 mm	210 mm	1/10	213541
SUPERspeed II SDS-plus	SDS plus	8 mm	200 mm	260 mm	1/10	213542
SUPERspeed II SDS-plus	SDS plus	8 mm	250 mm	310 mm	1/10	213544
SUPERspeed II SDS-plus	SDS plus	8 mm	340 mm	400 mm	1	213545
SUPERspeed II SDS-plus	SDS plus	9 mm	150 mm	210 mm	1	213547
SUPERspeed II SDS-plus	SDS plus	10 mm	50 mm	110 mm	1	213550
SUPERspeed II SDS-plus	SDS plus	10 mm	100 mm	160 mm	1/10	213552
SUPERspeed II SDS-plus	SDS plus	10 mm	150 mm	210 mm	1/10	213553
SUPERspeed II SDS-plus	SDS plus	10 mm	200 mm	260 mm	1/10	213554
SUPERspeed II SDS-plus	SDS plus	10 mm	250 mm	310 mm	1	213555
SUPERspeed II SDS-plus	SDS plus	10 mm	390 mm	450 mm	1	213557
SUPERspeed II SDS-plus	SDS plus	10 mm	540 mm	600 mm	1	213558
SUPERspeed II SDS-plus	SDS plus	11 mm	150 mm	210 mm	1	213561

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Stone drills

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
SUPERspeed II SDS-plus	SDS plus	12 mm	100 mm	160 mm	1/10	213562
SUPERspeed II SDS-plus	SDS plus	12 mm	150 mm	210 mm	1/10	213563
SUPERspeed II SDS-plus	SDS plus	12 mm	200 mm	260 mm	1/10	213564
SUPERspeed II SDS-plus	SDS plus	12 mm	250 mm	310 mm	1	213565
SUPERspeed II SDS-plus	SDS plus	12 mm	400 mm	450 mm	1	213566
SUPERspeed II SDS-plus	SDS plus	12 mm	550 mm	600 mm	1	213567
SUPERspeed II SDS-plus	SDS plus	12 mm	950 mm	1000 mm	1	213568
SUPERspeed II SDS-plus	SDS plus	13 mm	100 mm	160 mm	1	213569
SUPERspeed II SDS-plus	SDS plus	13 mm	200 mm	260 mm	1	213570
SUPERspeed II SDS-plus	SDS plus	14 mm	100 mm	160 mm	1	213571
SUPERspeed II SDS-plus	SDS plus	14 mm	150 mm	210 mm	1/10	213572
SUPERspeed II SDS-plus	SDS plus	14 mm	200 mm	260 mm	1	213573
SUPERspeed II SDS-plus	SDS plus	14 mm	250 mm	310 mm	1	213574
SUPERspeed II SDS-plus	SDS plus	14 mm	400 mm	450 mm	1	213575
SUPERspeed II SDS-plus	SDS plus	14 mm	550 mm	600 mm	1	213576
SUPERspeed II SDS-plus	SDS plus	14 mm	950 mm	1000 mm	1	213577
SUPERspeed II SDS-plus	SDS plus	15 mm	100 mm	160 mm	1	213578
SUPERspeed II SDS-plus	SDS plus	15 mm	200 mm	260 mm	1	213579
SUPERspeed II SDS-plus	SDS plus	16 mm	100 mm	160 mm	1	213580
SUPERspeed II SDS-plus	SDS plus	16 mm	150 mm	210 mm	1	213581
SUPERspeed II SDS-plus	SDS plus	16 mm	250 mm	310 mm	1	213583
SUPERspeed II SDS-plus	SDS plus	16 mm	400 mm	450 mm	1	213584
SUPERspeed II SDS-plus	SDS plus	16 mm	550 mm	600 mm	1	213585
SUPERspeed II SDS-plus	SDS plus	16 mm	950 mm	1000 mm	1	213586
SUPERspeed II SDS-plus	SDS plus	18 mm	200 mm	250 mm	1	213587
SUPERspeed II SDS-plus	SDS plus	18 mm	400 mm	450 mm	1	213588
SUPERspeed II SDS-plus	SDS plus	18 mm	550 mm	600 mm	1	213589
SUPERspeed II SDS-plus	SDS plus	18 mm	950 mm	1000 mm	1	213590
SUPERspeed II SDS-plus	SDS plus	20 mm	200 mm	250 mm	1	213591
SUPERspeed II SDS-plus	SDS plus	20 mm	400 mm	450 mm	1	213592
SUPERspeed II SDS-plus	SDS plus	20 mm	550 mm	600 mm	1	213593
SUPERspeed II SDS-plus	SDS plus	20 mm	950 mm	1000 mm	1	213594

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Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
SUPERspeed II SDS-plus	SDS plus	22 mm	200 mm	250 mm	1	213595
SUPERspeed II SDS-plus	SDS plus	22 mm	400 mm	450 mm	1	213596
SUPERspeed II SDS-plus	SDS plus	22 mm	550 mm	600 mm	1	213597
SUPERspeed II SDS-plus	SDS plus	22 mm	950 mm	1000 mm	1	213598
SUPERspeed II SDS-plus	SDS plus	24 mm	400 mm	450 mm	1	213599
SUPERspeed II SDS-plus	SDS plus	25 mm	400 mm	450 mm	1	213600
SUPERspeed II SDS-plus	SDS plus	26 mm	400 mm	450 mm	1	213601

AGR: 10.000

Hammer drill bit **SUPERspeed** II SDS-plus
Assortment 7 pcs. Box

Characteristics

- Set of 7 pieces in robust plastic casket

Title	PU Box	Article No.
SUPERspeed II SDS-plus Box 5-12 mm 7 pcs	1	213603

AGR: 10.000

Scope Of Supply	Piece	Article No.
Hammer drill bit SUPERspeed II SDS-plus 5x50/110	1	213520
Hammer drill bit SUPERspeed II SDS-plus 6x50/110	1	213524
Hammer drill bit SUPERspeed II SDS-plus 6x100/160	1	213525
Hammer drill bit SUPERspeed II SDS-plus 8x50/110	1	213539
Hammer drill bit SUPERspeed II SDS-plus 8x100/160	1	213540
Hammer drill bit SUPERspeed II SDS-plus 10x100/160	1	213552
Hammer drill bit SUPERspeed II SDS-plus 12x100/160	1	213562



Multipurpose Drill Bit SDS-plus

- Because of the diamond ground carbide cutting there is a significantly lower risk of an outbreak on the material to be drilled
- Due to reduced cross-cutting, very good centering action and precise drilling on hard materials is possible
- High wear resistance, elasticity and stability through hardened special steel

Application Area

- Holes in tiles, ceramics, marble, Eternit, aerated concrete, perforated brick, light building materials, plastic, mild steel, cast iron, steel reinforcements in concrete

Characteristics

- Multi-purpose drill used because of a new angle for cutting many different materials, round shank or SDS-plus shank available, increased durability, as drill resharpened

Processing Information

- Use multi-purpose drill rotation only and without impact

Hints

- Drill is only supposed to be used when turning
- Striking mechanism has to be turned off. Drill can be reground



Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
Multi-Purpose Drill Bt ALLrock	Cylindric	4 mm	50 mm	85 mm	1	353027
Multi-Purpose Drill Bt ALLrock	Cylindric	5 mm	50 mm	85 mm	1	339881
Multi-Purpose Drill Bt ALLrock	Cylindric	6 mm	60 mm	100 mm	1	339903
Multi-Purpose Drill Bt ALLrock	Cylindric	8 mm	80 mm	120 mm	1	339920
Multi-Purpose Drill Bt ALLrock	Cylindric	10 mm	80 mm	120 mm	1	339946
Multi-Purpose Drill Bt ALLrock	SDS plus	5 mm	50 mm	110 mm	1	706469
Multi-Purpose Drill Bt ALLrock	SDS plus	6 mm	100 mm	160 mm	1	340065
Multi-Purpose Drill Bt ALLrock	SDS plus	6 mm	230 mm	290 mm	1	706477
Multi-Purpose Drill Bt ALLrock	SDS plus	8 mm	100 mm	160 mm	1	340081
Multi-Purpose Drill Bt ALLrock	SDS plus	8 mm	150 mm	210 mm	1	340103
Multi-Purpose Drill Bt ALLrock	SDS plus	8 mm	200 mm	260 mm	1	706485
Multi-Purpose Drill Bt ALLrock	SDS plus	10 mm	100 mm	160 mm	1	340120

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Stone drills

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
Multi-Purpose Drill Bt ALLrock	SDS plus	10 mm	200 mm	260 mm	1	051357
Multi-Purpose Drill Bt ALLrock	SDS plus	12 mm	100 mm	160 mm	1	340162
Multi-Purpose Drill Bt ALLrock	SDS plus	14 mm	200 mm	260 mm	1	340227

AGR: 10.052

Stone drills

Stone Drill Bit **EXTREMEcut** Plus

- 1/4" Hexagon shank: adaptable to every standard screwdriver and drilling mashines. Quick change without opening the chuck.
- Works in hardest materials e.g. hard tiles
- Exact drilling with a precises grinded carbide tip
- High Lifetime because of high performance welding and precise grinded carbide tip

Application Area

- Drilling of hard stone materials like tiles, eternit, slate, ceramics, marble, granite

Characteristics

- 1/4" hexagon shank

Processing Information

- Without impact drill
- Recommended speed:
- Pay attention to higher contact pressure

Hints

- Drilling without hit



6

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
EXTREMECUT PLUS 1/4" 4X39/100	1/4" Bit 6KT	4 mm	39 mm	100 mm	1	214949
EXTREMECUT PLUS 1/4" 5X39/100	1/4" Bit 6KT	5 mm	39 mm	100 mm	1	214948
EXTREMECUT PLUS 1/4" 6X39/100	1/4" Bit 6KT	6 mm	39 mm	100 mm	1	214947

AGR: 10.053

Hard stone drill bit HARDrock



Application Area

- For the hardest stone (natural stone, artificial stone and concrete)
- Suitable for the drilling with striking mechanism

Characteristics

- The colour of the drill is similar to a yellow galvanization

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
HARDROCK DRILLG CYL.4X40/75	Cylindric	4 mm	40 mm	75 mm	1	142283
HARDROCK DRILLG CYL.5X50/85	Cylindric	5 mm	50 mm	85 mm	1	142284
HARDROCK DRILLG CYL.6X60/100	Cylindric	6 mm	60 mm	100 mm	1	142285
HARDROCK DRILLG CYL.6X90/150	Cylindric	6 mm	90 mm	150 mm	1	142286
HARDROCK DRILLG CYL 8X80/120	Cylindric	8 mm	80 mm	120 mm	1	142287
HARDROCK DRILLG CYL.10X80/120	Cylindric	10 mm	80 mm	120 mm	1	142288

AGR: 10.051

Bit holder magnetic 1/4" SDS / Fine

Application Area

- Input of 1/4" Hexagon head - Bits in the Machines

Characteristics

- Fine or SDS Plus Sockets

Technical Data

Magnetic Yes

Title	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Fine Magnetic Bit Holder	1/4 "	6KT1/4"	72 mm	1	739073
SDS-plus magnetic bit holder	1/4 "	6KT1/4"	75 mm	1	025631

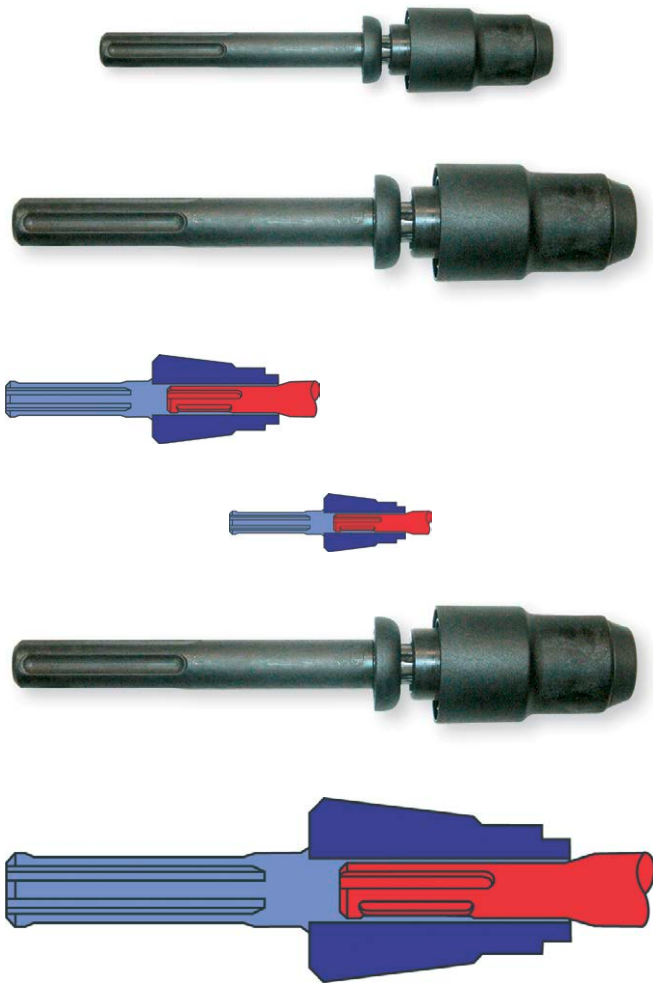
AGR: 03.160



Drill Adapter

Characteristics

- Adapter from SDS-max to SDS-plus



Title	PU Piece	Article No.
Drill Adapter from SDS-max to SDS-plus	1	741280

AGR: 10.098

INTERNAL/Approved (2019-03-22 19:56:29)

Stone drills

Powerclic Adapter SDS-max/SDS-max

Application Area

- To adapt or extend multi-part drill systems from diameter of 32 mm

Characteristics

- On both ends with SDS-max for fixing between the extension shaft and drill- or chisel

Hints

- PowerClic adapter must not be expected to calculate the total length drill

Scope Of Delivery

- Adapter, 10 g special grease



Title	Length	Drill shank	Ø	PU Piece	Article No.
Powerclic Ad. SDS-max/SDS-max	190 mm	SDS Max	30 mm	1	010238

AGR: 10.098

Accessories Available

	PU Piece	Article No.
Extension Shank SDS-max/SDS-max 320 mm	1	010239
Extension Shank SDS-max/SDS-max 750 mm	1	010241

Extension Shank SDS-max/SDS-max



Characteristics

- Extension shank with SDS-max on both ends.
- There are two different lengths available for work which require a larger working length

Title	Length	Drill shank	PU Piece	Article No.
Extension Shank SDS-max/SDS-max	320 mm	SDS Max	1	010239
Extension Shank SDS-max/SDS-max	750 mm	SDS Max	1	010241

AGR: 10.098

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PREMIUM hammer drill bit **ROCKbeaver** SDS-plus

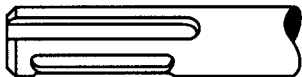
- Noticeable faster drilling speed due to the one-part carbide for a direct energy transfer from the hammer drill to the drill bit
- Highest life expectancy in concrete and reinforced concrete due to the optimized cutting edge design of the carbide head/plate
- Constantly high drilling speed over the whole life time thanks to the perfect combination of the 3-part drill head with the 3-spiral flute
- Perfect round drill holes thanks to the symmetrical 3-cutter head geometry. Ideal for Heavy-duty fixations
- Exact spot drilling and optimal drill guidance due to the innovative centring point
- Extra fast material removal due to the short drill head and high-volume spiral geometry. Therefore low heat development for a higher life time
- Ensured dimensional holes thanks to the innovative wear marking on the drill head



Ø 5-15mm:
One-part full carbide head for highest lifetime and minimal wear in combination with maximum power transfer



Ø 16-28mm:
One-part carbide plate ensures a perfect energy transfer for a higher drilling speed



SDS-plus shank



Application Area

- Suitable for all hammer drills with SDS-max shank
- Concrete and reinforced concrete, natural stone, masonry
- Plug/anchor holes for general and heavy-duty fixations

Processing Information

- When using large drill bit lengths, pre-drill the hole with a short drill bit of the same diameter

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
ROCKbeaver II SDS-plus	SDS plus	5 mm	50 mm	115 mm	1/10/50	213458
ROCKbeaver II SDS-plus	SDS plus	5 mm	100 mm	165 mm	1/10/30	213459
ROCKbeaver II SDS-plus	SDS plus	6 mm	50 mm	115 mm	1/10/50	213464
ROCKbeaver II SDS-plus	SDS plus	6 mm	100 mm	165 mm	1/10/30	213465
ROCKbeaver II SDS-plus	SDS plus	6 mm	150 mm	215 mm	1/10/30	213466
ROCKbeaver II SDS-plus	SDS plus	6 mm	200 mm	265 mm	1/10	213467
ROCKbeaver II SDS-plus	SDS plus	6 mm	250 mm	315 mm	1/10	213468
ROCKbeaver II SDS-plus	SDS plus	6 mm	400 mm	465 mm	1	213469
ROCKbeaver II SDS-plus	SDS plus	6.5 mm	100 mm	165 mm	1/10	213471
ROCKbeaver II SDS-plus	SDS plus	6.5 mm	150 mm	215 mm	1/10	213472

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Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
ROCKbeaver II SDS-plus	SDS plus	6.5 mm	200 mm	265 mm	1/10	213473
ROCKbeaver II SDS-plus	SDS plus	6.5 mm	250 mm	315 mm	1/10	213474
ROCKbeaver II SDS-plus	SDS plus	6.5 mm	400 mm	465 mm	1	213475
ROCKbeaver II SDS-plus	SDS plus	7 mm	100 mm	165 mm	1/30	213476
ROCKbeaver II SDS-plus	SDS plus	8 mm	50 mm	115 mm	1/10/30	213478
ROCKbeaver II SDS-plus	SDS plus	8 mm	100 mm	165 mm	1/10/30/50	213479
ROCKbeaver II SDS-plus	SDS plus	8 mm	150 mm	215 mm	1/10/30/50	213480
ROCKbeaver II SDS-plus	SDS plus	8 mm	200 mm	265 mm	1/10/30/50	213481
ROCKbeaver II SDS-plus	SDS plus	8 mm	250 mm	315 mm	1/30	213482
ROCKbeaver II SDS-plus	SDS plus	8 mm	300 mm	365 mm	1/30	213483
ROCKbeaver II SDS-plus	SDS plus	8 mm	400 mm	465 mm	1/10	213484
ROCKbeaver II SDS-plus	SDS plus	10 mm	100 mm	165 mm	1/10/30	213486
ROCKbeaver II SDS-plus	SDS plus	10 mm	150 mm	215 mm	1/10/30/50	213487
ROCKbeaver II SDS-plus	SDS plus	10 mm	200 mm	265 mm	1/10/30/50	213488
ROCKbeaver II SDS-plus	SDS plus	10 mm	250 mm	315 mm	1/10	213490
ROCKbeaver II SDS-plus	SDS plus	10 mm	300 mm	365 mm	1/30	213491
ROCKbeaver II SDS-plus	SDS plus	10 mm	390 mm	455 mm	1/5	213492
ROCKbeaver II SDS-plus	SDS plus	12 mm	100 mm	165 mm	1/10/30	213494
ROCKbeaver II SDS-plus	SDS plus	12 mm	150 mm	215 mm	1/10/30/50	213495
ROCKbeaver II SDS-plus	SDS plus	12 mm	200 mm	265 mm	1/10/30	213496
ROCKbeaver II SDS-plus	SDS plus	12 mm	250 mm	315 mm	1/10	213498
ROCKbeaver II SDS-plus	SDS plus	12 mm	300 mm	365 mm	1/10	213499
ROCKbeaver II SDS-plus	SDS plus	12 mm	400 mm	465 mm	1/10	213501
ROCKbeaver II SDS-plus	SDS plus	12 mm	550 mm	615 mm	1	213502
ROCKbeaver II SDS-plus	SDS plus	12 mm	950 mm	1000 mm	1	213503
ROCKbeaver II SDS-plus	SDS plus	14 mm	100 mm	165 mm	1/10	213504
ROCKbeaver II SDS-plus	SDS plus	14 mm	150 mm	215 mm	1/10	213505
ROCKbeaver II SDS-plus	SDS plus	14 mm	200 mm	265 mm	1/10/30/50	213506
ROCKbeaver II SDS-plus	SDS plus	14 mm	300 mm	365 mm	1/10	213507
ROCKbeaver II SDS-plus	SDS plus	14 mm	400 mm	465 mm	1	213508
ROCKbeaver II SDS-plus	SDS plus	14 mm	550 mm	615 mm	1	213509
ROCKbeaver II SDS-plus	SDS plus	14 mm	940 mm	1005 mm	1	213510

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Stone drills

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
ROCKbeaver II SDS-plus	SDS plus	15 mm	100 mm	165 mm	1	213511
ROCKbeaver II SDS-plus	SDS plus	15 mm	200 mm	265 mm	1/10	213512
ROCKbeaver II SDS-plus	SDS plus	16 mm	200 mm	270 mm	1/5/10/30/50	188154
ROCKbeaver II SDS-plus	SDS plus	16 mm	400 mm	470 mm	1/5	188155
ROCKbeaver II SDS-plus	SDS plus	16 mm	540 mm	610 mm	1	188156
ROCKbeaver II SDS-plus	SDS plus	18 mm	200 mm	270 mm	1/5	188157
ROCKbeaver II SDS-plus	SDS plus	18 mm	400 mm	470 mm	1/5	188158
ROCKbeaver II SDS-plus	SDS plus	20 mm	200 mm	270 mm	1/5/10	188159
ROCKbeaver II SDS-plus	SDS plus	20 mm	400 mm	470 mm	1/5	188160
ROCKbeaver II SDS-plus	SDS plus	20 mm	540 mm	610 mm	1	188161
ROCKbeaver II SDS-plus	SDS plus	22 mm	200 mm	270 mm	1/5	188162
ROCKbeaver II SDS-plus	SDS plus	22 mm	400 mm	470 mm	1/5	188163
ROCKbeaver II SDS-plus	SDS plus	24 mm	200 mm	270 mm	1/5	188164
ROCKbeaver II SDS-plus	SDS plus	24 mm	400 mm	470 mm	1/5	188165
ROCKbeaver II SDS-plus	SDS plus	25 mm	200 mm	270 mm	1/5	188166
ROCKbeaver II SDS-plus	SDS plus	25 mm	400 mm	470 mm	1/5	188167
ROCKbeaver II SDS-plus	SDS plus	26 mm	200 mm	270 mm	1/5	188168
ROCKbeaver II SDS-plus	SDS plus	26 mm	400 mm	470 mm	1/5	188169
ROCKbeaver II SDS-plus	SDS plus	28 mm	250 mm	320 mm	1	188170
ROCKbeaver II SDS-plus	SDS plus	28 mm	450 mm	520 mm	1/5	188171

AGR: 10.001

ROCKbeaver SDS-plus Assortment 7 pcs. Box

- Noticeable faster drilling speed due to the one-part carbide for a direct energy transfer from the hammer drill to the drill bit
- Highest life expectancy in concrete and reinforced concrete due to the optimized cutting edge design of the carbide head/plate
- Constantly high drilling speed over the whole life time thanks to the perfect combination of the 3-part drill head with the 3-spiral flute
- Exact spot drilling and optimal drill guidance due to the innovative centring point



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- Extra fast material removal due to the short drill head and high-volume spiral geometry. Therefore low heat development for a higher life time
- Ensured dimensional holes thanks to the innovative wear marking on the drill head

Application Area

- Concrete and reinforced concrete, natural stone, masonry
- Bowel drills for lighth and heavy duty bolting

Characteristics

- 7-piece set in sturdy plastic case

Title	PU Box	Article No.
ROCKbeaver SDS-plus Box 5-12 mm 7 pcs	1	213514
AGR: 10.001		
Scope Of Supply	Piece	Article No.
Hammer drill bit ROCKbeaver SDS-plus 5x50/115 mm	1	213458
Hammer drill bit ROCKbeaver SDS-plus 6x50/115	1	213464
Hammer drill bit ROCKbeaver SDS-plus 6x100/165 mm	1	213465
Hammer drill bit ROCKbeaver SDS-plus 8x50/115	1	213478
Hammer drill bit ROCKbeaver SDS-plus 8x100/165 mm	1	213479
Hammer drill bit ROCKbeaver SDS-plus 10x100/165 mm	1	213486
Hammer drill bit ROCKbeaver SDS-plus 12x100/165 mm	1	213494



One-part full carbide head



INTERNAL/Approved (2019-03-22 19:58:15)

ROCKbeaver SDS-max

- Noticeable faster drilling speed due to the one-part carbide (Ø 16 - 28 mm) for a direct energy transfer from the hammer drill to the drill bit
- Highest life expectancy in concrete and reinforced concrete due to the optimized cutting edge design of the carbide head/plate
- Constantly high drilling speed over the whole life time thanks to the perfect combination of the 3-part drill head with the 3-spiral flute
- Perfect round drill holes thanks to the symmetrical 3-cutter head geometry. Ideal for Heavy-duty fixations
- Exact spot drilling and optimal drill guidance due to the innovative centring point



Ø 16-28mm: One-part carbide plate ensures a perfect energy transfer for a higher drilling speed



Ø 30-42mm: Multi-pieced carbide plate, optimized for the use of the highly powerful hammer drills

Stone drills

- Extra fast material removal due to the short drill head and high-volume spiral geometry. Therefore low heat development for a higher life time
- Ensured dimensional holes thanks to the innovative wear marking on the drill head

Application Area

- Suitable for all hammer drills with SDS-max shank
- Concrete and reinforced concrete, natural stone, masonry
- Plug/anchor holes for general and heavy-duty fixations

Processing Information

- When using large drill bit lengths, pre-drill the hole with a short drill bit of the same diameter



SDS-Max shank



Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
ROCKbeaver II SDS-max	SDS Max	16 mm	200 mm	340 mm	1/5	188172
ROCKbeaver II SDS-max	SDS Max	16 mm	400 mm	540 mm	1/5	188173
ROCKbeaver II SDS-max	SDS Max	16 mm	600 mm	740 mm	1	188174
ROCKbeaver II SDS-max	SDS Max	16 mm	1160 mm	1320 mm	1	188175
ROCKbeaver II SDS-max	SDS Max	18 mm	200 mm	340 mm	1/5	188176
ROCKbeaver II SDS-max	SDS Max	18 mm	400 mm	540 mm	1/5	188177
ROCKbeaver II SDS-max	SDS Max	18 mm	800 mm	940 mm	1	188178
ROCKbeaver II SDS-max	SDS Max	18 mm	1160 mm	1320 mm	1	188180
ROCKbeaver II SDS-max	SDS Max	20 mm	200 mm	320 mm	1/5	188181
ROCKbeaver II SDS-max	SDS Max	20 mm	400 mm	520 mm	1/5	188182
ROCKbeaver II SDS-max	SDS Max	20 mm	800 mm	920 mm	1	188183
ROCKbeaver II SDS-max	SDS Max	20 mm	1200 mm	1320 mm	1	188184
ROCKbeaver II SDS-max	SDS Max	22 mm	200 mm	320 mm	1/5	188185
ROCKbeaver II SDS-max	SDS Max	22 mm	400 mm	520 mm	1/5	188186
ROCKbeaver II SDS-max	SDS Max	22 mm	800 mm	920 mm	1	188187
ROCKbeaver II SDS-max	SDS Max	22 mm	1200 mm	1320 mm	1	188188

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Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
ROCKbeaver II SDS-max	SDS Max	24 mm	200 mm	320 mm	1/5	188189
ROCKbeaver II SDS-max	SDS Max	24 mm	400 mm	520 mm	1/5	188190
ROCKbeaver II SDS-max	SDS Max	25 mm	200 mm	320 mm	1/5	188191
ROCKbeaver II SDS-max	SDS Max	25 mm	400 mm	520 mm	1/5	188192
ROCKbeaver II SDS-max	SDS Max	25 mm	800 mm	920 mm	1	188193
ROCKbeaver II SDS-max	SDS Max	25 mm	1200 mm	1320 mm	1	188194
ROCKbeaver II SDS-max	SDS Max	28 mm	250 mm	370 mm	1/5	188195
ROCKbeaver II SDS-max	SDS Max	28 mm	450 mm	570 mm	1/5	188196
ROCKbeaver II SDS-max	SDS Max	28 mm	800 mm	920 mm	1	188197
ROCKbeaver II SDS-max	SDS Max	28 mm	1200 mm	1320 mm	1	188198
ROCKbeaver II SDS-max	SDS Max	30 mm	250 mm	370 mm	1	188199
ROCKbeaver II SDS-max	SDS Max	30 mm	450 mm	570 mm	1/5	188200
ROCKbeaver II SDS-max	SDS Max	32 mm	250 mm	370 mm	1	188201
ROCKbeaver II SDS-max	SDS Max	32 mm	450 mm	570 mm	1/5	188202
ROCKbeaver II SDS-max	SDS Max	32 mm	800 mm	920 mm	1	188203
ROCKbeaver II SDS-max	SDS Max	32 mm	1200 mm	1320 mm	1	188204
ROCKbeaver II SDS-max	SDS Max	35 mm	450 mm	570 mm	1/5	188205
ROCKbeaver II SDS-max	SDS Max	35 mm	1200 mm	1320 mm	1	188206
ROCKbeaver II SDS-max	SDS Max	37 mm	250 mm	370 mm	1/5	188207
ROCKbeaver II SDS-max	SDS Max	37 mm	450 mm	570 mm	1/5	188208
ROCKbeaver II SDS-max	SDS Max	37 mm	800 mm	920 mm	1	188209
ROCKbeaver II SDS-max	SDS Max	42 mm	450 mm	570 mm	1/5	188210
ROCKbeaver II SDS-max	SDS Max	42 mm	800 mm	920 mm	1	188211

AGR: 10.012

INTERNAL/Approved (2019-03-22 19:58:41)

Solid Drill Crown TOP

- Long service life and good drilling performance due to the usage and the arrangement of carbide plates und bolts
- Center drill for very precise drilling
- Extendable drilling system up to 1.8 m drilling depth
- High profitability because of an exchange service for the full drill bit

Application Area

- Drilling in concrete of all grades, natural stone and masonry appropriate

Characteristics

- Blank solid drill crown made of tempered and hardened steel, optimal break resistance due to reinforced crown arms, suitable for use in reinforcements up to Ø 8 mm, copper coating as corrosion protection

Processing Information

- For the usage in heavy hammer drills with a power input of at least 1100 W and a stroke rate of at least 2450 1/min
- All thread parts of the drilling system should be lubricated before the assembly and afterwards they can be screwed together in the needed length
- Do not cool the drill bit with water



Title	Ø	PU Piece	Article No.
Solid Drill Crown TOP	42 mm	1	161067
Solid Drill Crown TOP	52 mm	1	161068
Solid Drill Crown TOP	60 mm	1	161070
Solid Drill Crown TOP	65 mm	1	158503
Solid Drill Crown TOP	70 mm	1	158504
Solid Drill Crown TOP	80 mm	1	158505
Solid Drill Crown TOP	100 mm	1	161073
Solid Drill Crown TOP	110 mm	1	161074
Solid Drill Crown TOP	125 mm	1	161075

AGR: 10.060

Center Drill

- Center drill for very precise drilling
- Extendable drilling system up to 1.8 m drilling depth
- High profitability because of an exchange service for the full drill bit

Application Area

- Drilling in concrete of all grades, natural stone and masonry appropriate

Characteristics

- Center drills are available in two different length, short design for solid stone, long design for masonry (hollow brick)

Processing Information

- Grease centering drill before use on the threads and only tighten it in a tangible way
- For the usage in heavy hammer drills with a power input of at least 1100 W and a stroke rate of at least 2450 1/min
- All thread parts of the drilling system should be greased before the assembly and afterwards they can be screwed together in the needed length
- Do not cool the drill bit with water



Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
Center Drill	Ratio	16 mm	50 mm	120 mm	1	402877
Center Drill	Ratio	16 mm	100 mm	170 mm	1	402885

AGR: 10.062

Necessary Accessories

	PU Amount	Article No.
Thread Grease 150g	1	147757

Extension

- High strength and long service life due to die-forged construction



INTERNAL/Approved (2019-03-22 19:59:15)

Stone drills

- Both ends are provided with ratio-thread and can therefore be extended with a ratio threaded bolt up to 1.8 m
- Optimal power transfer due to planed connection ends
- Extendable drilling system up to 1,8 m drilling dept
- Center drill for ver precise start of drilling
- High rentability due to a exchange service of the full face bit

Application Area

- To drill in concrete of all grades, natural stone and masonry

Characteristics

- Flexible use of the drilling system which consists of a machine adapter, an extension, a full face bit, a center drill, various adapters for many common hammer drills available, full face bit from Ø 42 mm to Ø 125 mm, suitable for rebars up to 8 mm

Processing Information

- For the usage in heavy hammer drills with a power input of at least 1100 W and a stroke rate of at least 2450 1/min
- All thread parts of the drilling system should be greased before the assembly and afterwards they can be screwed together in the needed length
- Do not cool the drill bit with water



6

Title	Length	PU Piece	Article No.
Extension	300 mm	1	402869

AGR: 10.063

Thread Bolt

- Extendable drilling system up to 1.8 m drilling depth
- High profitability because of an exchange service for the full drill bit

Application Area

- Connection between two extensions
- Drilling in concrete of all grades, natural stone and masonry appropriate

Characteristics

- Flexible useable drill system consisting of a machine adapter, an extenions, a full drill bit, various adapters for a lot of common drill hammers available, full drill bits from Ø 42 mm to Ø 125 mm, suitable for armouring irons up to 8 mm



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Processing Information

- Lubricate stud before use on the thread and only tighten it in a tangible way
- For the usage in heavy hammer drills with a power input of at least 1100 W and a stroke rate of at least 2450 1/min
- All thread parts of the drilling system should be greased before the assembly and afterwards they can be screwed together in the needed length
- Do not cool the drill bit with water

Title	Ø	Total Length	PU Piece	Article No.
Ratio- Threaded Bolt	14 mm	63 mm	1	402591
AGR: 10.064				
Necessary Accessories			PU Amount	Article No.
Thread Grease 150g			1	147757

Adapter 10

- Extendable drilling system up to 1.8 m depth
- Centre drills for exact pilot drilling
- bit High efficiency through replacement service for full

Application Area

- All rotary hammer with SDS-max recording
- Drilling in concrete of all grades, natural stone and masonry appropriate

Characteristics

- A flexibly insertable drilling system consisting of machines available adapters, extension, full drill bit, center, a variety of different adapters for many popular rock drills, drill bits full of Ø 42 mm to 125 mm, suitable for steel sections up to 8 mm

Processing Information

- Clean adapter before use and lubricate the screw hand tighten only,
- For use in heavy hammer drills with minimum 1100 W power and an impact rate of at least 2450 1 / min



Stone drills

- Grease all threaded parts of the drilling system before screwing together with thread grease and then screw together the drilling system in the required length
- To release the drill bit setup this when the hammer without pressure
- not cool the drill bit with water

Title	Length	Drill shank	PU Piece	Article No.
HLBS ADAPTERS 10 SDS-MAX	175 mm	SDS Max	1	502910

AGR: 10.061

CLEANdrill 4C SDS-plus

- Clean and health protecting drilling to safeguard the user or ideal for work in inhabited places
- Faster and more efficient due to effective dust removal
- Long lifetime due to robust head design and special shank
- Easy drilling on top and on the ground without dust
- Universal adapter for industrial vacuum cleaner
- Precise holes diameters guaranteed

Application Area

- Concrete
- Reinforced concrete
- Solid brick
- Natural stone

Characteristics

- Precise drilled holes according to PGM conformity
- Rebar capability
- No jamming and no hooking
- Active drill bit head cooling



4 cutters



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Title	Ø	Working Length	Total Length	PU Piece	Article No.
CLEANdrill 4C SDS-plus	12 mm	200 mm	325 mm	1	338101
CLEANdrill 4C SDS-plus	14 mm	240 mm	360 mm	1	338102
CLEANdrill 4C SDS-plus	16 mm	240 mm	360 mm	1	338103
CLEANdrill 4C SDS-plus	18 mm	240 mm	360 mm	1	338104

AGR: 10.008

CLEANdrill 4C SDS-max

- Clean and health protecting drilling to safeguard the user or ideal for work in inhabited places
- Faster and more efficient due to effective dust removal
- Long lifetime due to robust head design and special shank
- Easy drilling on top and on the ground without dust
- Universal adapter for industrial vacuum cleaner
- Precise holes diameters guaranteed

Application Area

- Concrete
- Reinforced concrete
- Solid brick
- Natural stone

Characteristics

- Precise drilled holes according to PGM conformity
- Rebar capability
- No jamming and no hooking
- Active drill bit head cooling



4 cutters



PGM Certification for precise holes guaranteed

Title	Ø	Working Length	Total Length	PU Piece	Article No.
CLEANdrill 4C SDS-max	16 mm	400 mm	600 mm	1	338105
CLEANdrill 4C SDS-max	18 mm	400 mm	600 mm	1	338094
CLEANdrill 4C SDS-max	20 mm	400 mm	600 mm	1	338095
CLEANdrill 4C SDS-max	22 mm	400 mm	600 mm	1	338096
CLEANdrill 4C SDS-max	24 mm	400 mm	600 mm	1	338097
CLEANdrill SDS-max	25 mm	400 mm	600 mm	1	338098
CLEANdrill 4C SDS-max	28 mm	400 mm	600 mm	1	338099

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Stone drills

Title	Ø	Working Length	Total Length	PU Piece	Article No.
CLEANdrill 4C SDS-max	30 mm	400 mm	600 mm	1	338100

AGR: 10.011

Break-Through Drill Bit **POWERbreaker**

- The highest of drilling due to optimal power transfer of the impact energy
- A very good progress of drilling due to a new head design and optimized arrangement of the carbide blades
- Quick discharge of drilling dust due to 3 times separated geometry and 3 coils with raised pitch
- Long service-life and optimized reinforcement capability due to core-reinforced
- Smooth drilling procedure makes life easier both on the user and the machine
- Special heat treatment procedure increases the toughness and reduce the danger of breaking
- Precise drilling and good guidance due to centering tip

Application Area

- Break-through drilling in concrete, masorny and natural stone

Processing Information

- Conditionally suitable for stitch drilling in reinforced concrete



Title	Ø	Working Length	Total Length	PU Piece	Article No.
DRILL POWERBR.SDS-MAX 80X990	80 mm	850 mm	990 mm	1	103370

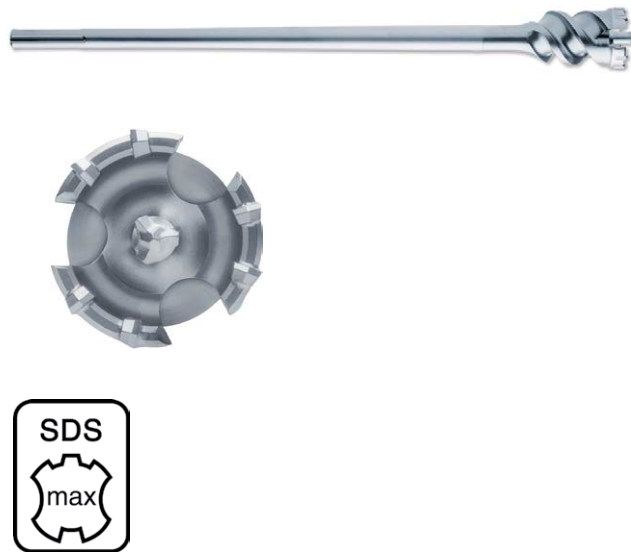
AGR: 10.020

Break-Through Drill Bit **POWERbreaker II**

- Redesigned 3-cutters head for higher REBAR capability
- A very good progress of drilling due to a head design with a massive centring bit design and aggressive outside cutting ring formed by carbide with rebar chamfer
- Optimized for big hammers >8kg
- Optimized flute design: no sticking and hooking on rebar
- New conical shaft for higher comfort available in 2 lenght: 550 mm and 990 mm

Application Area

- Break-through drilling in concrete, masonry and natural stone



INTERNAL/Approved (2019-03-22 19:59:54)

Stone drills

Processing Information

- Perfectly suitable for stitch drilling in reinforced concrete. It could drill also in concrete, solid brick, natural stone

Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
POWERbreaker II SDS-max 45x550 mm	SDS Max	45 mm	410 mm	550 mm	1	339137
POWERbreaker II SDS-max 45x990 mm	SDS Max	45 mm	850 mm	990 mm	1	339136
POWERbreaker II SDS-max 55x550 mm	SDS Max	55 mm	410 mm	550 mm	1	339135
POWERbreaker II SDS-max 55x990 mm	SDS Max	55 mm	850 mm	990 mm	1	339171
POWERbreaker II SDS-max 65x550 mm	SDS Max	65 mm	410 mm	550 mm	1	339172
POWERbreaker II SDS-max 65x990 mm	SDS Max	65 mm	850 mm	990 mm	1	339091

AGR: 10.020

Hammer Drill Crown

- Length of the hammer drill bit 80 mm, for optimal guiding
- Quick drilling and high quietness because of asymmetrical arranged hard metal plates

Application Area

- Drilling in concrete, masonry or natural stone

Characteristics

- In the measurements of Ø 68 mm, Ø 82 mm and Ø 125 mm available, ratio thread for screwing together with the SDS-Max adapters

Processing Information

- Center drill has to be fixed with a spring pin in the hammer drillbit and the adapter needs to be screwed on in the required length
- For the use in heavy hammer drills with SDS-max shank

Scope Of Delivery

- Hammer Drill Crown including centering drill and spring pin



Title	Ø	Number Of Carbide Tooth	Length	PU Piece	Article No.
Hammer Drill Crown	68 mm	6 PC	80 mm	1	133802
Hammer Drill Crown	82 mm	8 PC	80 mm	1	133804
DRILL CROWN POWERH-CORE 100 MM	100 mm	11 PC	80 mm	1	133805
Hammer Drill Crown	125 mm	11 PC	80 mm	1	133806

AGR: 10.032

Related Products

	PU Piece	Article No.
Split Pin Tool 5 mm	1	068438

INTERNAL/Approved (2019-03-22 20:00:12)

Core bits

Adapter SDS-max for Hammer Drill Crown

- Length of the hammer drill bit 80 mm, for optimal guiding

Application Area

- Drilling in concrete, masonry or natural stone

Characteristics

- With SDS-max shank, ratio-thread for screwing with the hammer drill crowns

Processing Information

- Center drill has to be fixed with a spring pin in the hammer drill bit and the adapter needs to be screwed on in the required length
- For the use in heavy hammer drills with SDS-max shank



Title	Length	Drill shank	PU Piece	Article No.
Adapter	200 mm	SDS Max	1	134080
Adapter	460 mm	SDS Max	1	134081

AGR: 10.035

Center Drill for Hammer Drill Bits

- Length of the hammer drillbit 80 mm, for optimal guiding
- Quick drilling and high quietness because of asymmetrical arranged hard metal plates

Application Area

- Drilling in concrete, masonry or natural stone

Characteristics

- Carbide tipped centering drill for hammer drill crowns

Processing Information

- Centering drill with spring pin has to be fixed in the hammer drillbit and the adapter needs to be screwed on in the required length
- For the use in heavy hammer drills with SDS-max shank

Scope Of Delivery

- Centering drill with spring pin



Title	Drill shank	Ø	Working Length	Total Length	PU Piece	Article No.
Center Drill for Hammer Drill Crowns	Round-section	11 mm	85 mm	135 mm	1	133797

AGR: 10.035

Multi-Purpose Hole Saw

- The tungsten carbide tip integrated into the drilling crown body reduces the risk of the plate breaking out.



Title	Ø	Number Of Carbide Tooth	PU Piece	Article No.
Universal Hole Saw Cutter	25 mm	3 PC	1	724653
Universal Hole Saw Cutter	30 mm	3 PC	1	724661
Universal Hole Saw Cutter	35 mm	3 PC	1	724670
Universal Hole Saw Cutter	40 mm	3 PC	1	724688
Universal Hole Saw Cutter	45 mm	3 PC	1	724696
Universal Hole Saw Cutter	50 mm	3 PC	1	724700
HOLE SAW UNI-CUTTER HM 55 MM	55 mm	3 PC	1	934127
HOLE SAW UNI-CUTTER HM 58 MM	58 mm	5 PC	1	934135
HOLE SAW UNI-CUTTER HM 60 MM	60 mm	5 PC	1	934143
Universal Hole Saw Cutter	63 mm	5 PC	1	724726
HOLE SAW UNI-CUTTER HM 65 MM	65 mm	5 PC	1	724718
Universal Hole Saw Cutter	68 mm	5 PC	1	724742
HOLE SAW UNI-CUTTER HM 70 MM	70 mm	5 PC	1	121890
HOLE SAW UNI-CUTTER HM 71 MM	71 mm	5 PC	1	724734
HOLE SAW UNI-CUTTER HM 74 MM	74 mm	5 PC	1	724750
HOLE SAW UNI-CUTTER HM 78 MM	78 mm	5 PC	1	121891
Universal Hole Saw Cutter	80 mm	5 PC	1	724769

INTERNAL/Approved (2019-03-22 20:00:38)

Title	Ø	Number Of Carbide Tooth	PU Piece	Article No.
HOLE SAW UNI-CUTTER HM 85 MM	85 mm	5 PC	1	121892
HOLE SAW UNI-CUTTER HM 90 MM	90 mm	5 PC	1	121893
Universal Hole Saw Cutter	105 mm	6 PC	1	724777

AGR: 10.033

Deburrer

- Long service life thanks to special carbide teeth
- Precise drilling with a center drill
- New pick-up system for quick tool change and to avoid damage when the beater is accidentally switched on

Application Area

- Drilling in solid wood, plywood, chipboard, acrylic glass, plastic, tiles (to scratch hardness 6), gypsum boards, gas concrete, eter-nite, solid brick, bricks, sand-lime brick

Characteristics

- Different diameters are available for all common applications, special hole edge countersinks for exact restoration of hollow wall sockets, 2 adapters available: hexagonal for mounting in the drill or SDS-plus for mounting in the drill hammer

Processing Information

- Insert universal cutter only rotating and without impact
- Maximum drilling depth of universal cutter: 60 mm
- Required machine power <Ø 50 mm - min. 400 W,> Ø 50 mm min. 600 W
- Machine speed: min. 600 rpm for soft materials, min 400 rpm for hard materials

Title	Ø	PU Piece	Article No.
Deburrer	68 mm	1	724785

AGR: 10.033



INTERNAL/Approved (2019-03-22 20:00:45)

Core bits

Hexagon Adapter for Multi-Purpose Hole Saw

- New quick change system for quick tool change without additional tools

Processing Information

- Only use an adapter with an A/F of 9.5 mm for wood processing



Title	Thread	Length	Drill shank	PU Piece	Article No.
Mounting U-Cut. f. wood	M 16	118 mm	6KT SW 11	1	010644

AGR: 10.035

Adapter SDS-Plus for Multi-Purpose Hole Saw

- Long service life thanks to special carbide teeth
- Precise drilling with a center drill
- New pick-up system for quick tool change and to avoid damage when the beater is accidentally switched on

Application Area

- Drilling in solid wood, plywood, chipboard, acrylic glass, plastic, tiles (to scratch hardness 6), gypsum boards, gas concrete, eter-nite, solid brick, bricks, sand-lime brick

Characteristics

- Different diameters are available for all common applications, special hole edge countersinks for exact restoration of hollow wall sockets, 2 adapters available: hexagonal for mounting in the drill or SDS-plus for mounting in the drill hammer

Processing Information

- Insert universal cutter only rotating and without impact
Maximum drilling depth of universal cutter: 60 mm
Required machine power <Ø 50 mm - min. 400 W,> Ø 50 mm min. 600 W
Machine speed: min. 600 rpm for soft materials, min 400 rpm for hard materials



Title	Thread	Length	Drill shank	PU Piece	Article No.
Collet U-Cut.	M 16	118 mm	SDS plus	1	010641
Collet U-Cut.	M 16	220 mm	SDS plus	1	010642

AGR: 10.035

INTERNAL/Approved (2019-03-22 20:01:06)

Core bits

Center Drill for Multi-Purpose Hole Saw

- Long service life thanks to special carbide teeth
- Precise drilling with a center drill
- New pick-up system for quick tool change and to avoid damage when the beater is accidentally switched on

Application Area

- Drilling in solid wood, plywood, chipboard, acrylic glass, plastic, tiles (to scratch hardness 6), gypsum boards, gas concrete, eter-nite, solid brick, bricks, sand-lime brick

Characteristics

- Different diameters are available for all common applications, special hole edge countersinks for exact restoration of hollow wall sockets, 2 adapters available: hexagonal for mounting in the drill or SDS-plus for mounting in the drill hammer

Processing Information

- Insert universal cutter only rotating and without impact
Maximum drilling depth of universal cutter: 60 mm
Required machine power <Ø 50 mm - min. 400 W,> Ø 50 mm min. 600 W
Machine speed: min. 600 rpm for soft materials, min 400 rpm for hard materials



Title	Drill shank	Ø	Total Length	PU Piece	Article No.
U-cutter center drill for wood	Round-section	7.4 mm	120 mm	1	010645
U-cutter center drill for stone	Round-section	8 mm	120 mm	1	010646

AGR: 10.035

INTERNAL/Approved (2019-03-22 20:01:14)

Chisel SDS-max

Characteristics

- Suitable for all drilling and chiseling hammers with SDS-max shank
- Flat chisel 400x25 RP with integrated reflection element for high removal rate and protection of the machine

Technical Data

Drill shankSDS Max

Title	Width	Length	PU Piece	Article No.
Pointed chisel	-	400 mm	1	260983
Pointed chisel	-	600 mm	1	273880
FLAT CHISEL SDS-MAX 400X25 MM	25 mm	400 mm	1	264172
Flat chisel	25 mm	600 mm	1	265853
Hollow chisel	26 mm	300 mm	1	265870
Chisel SDS-max	35 mm	380 mm	1	103570
Stocker chisel	50 mm	240 mm	1	149243
Spade chisel	50 mm	400 mm	1	266035
Spade chisel	80 mm	300 mm	1	921530
Spade chisel	110 mm	350 mm	1	266060

AGR: 10.041



INTERNAL/Approved (2019-03-22 20:01:17)

Chisels

PREMIUM*line***Chisel SDS-max**

- Self-sharpening due to special cutting geometry
 - High removal rate
- Visible extended work area
 - Economical work without downtime
- Special hardening with extremely hard tip, therefore extremely efficient. Maximum stability and wear-proof insertion end.
- Increased productivity and removal performance over the entire tool life
- Suitable for all drilling and chiseling hammers with SDS-max shank

Application Area

- Chiselling and demolition work in concrete and masonry

Technical Data

Drill shank				SDS Max	
Title	Width	Length	PU Piece	Article No.	
POINTED PREMIUM SDS-MAX 400	-	400 mm	1	366882	
FLAT PREMIUM SDS-MAX 400x25	25 mm	400 mm	1	366880	
SPADE PREMIUM SDS-MAX 380x50	50 mm	380 mm	1	366884	
TILE PREMIUM SDS-MAX 380X50	50 mm	380 mm	1	366914	

AGR: 10.041



Chisel SDS-plus

Characteristics

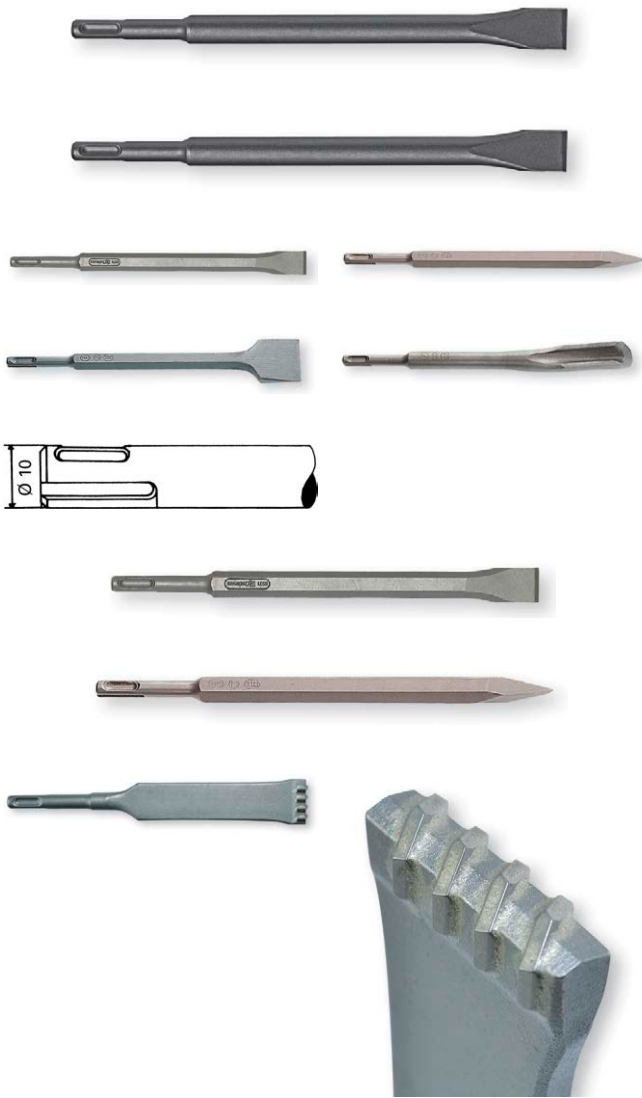
- Suitable for all drilling and chiseling hammers with SDS-plus shank

Technical Data

Drill shank SDS plus

Title	Width	Length	PU Piece	Article No.
Pointed chisel	-	250 mm	1	936733
Flat chisel	20 mm	250 mm	1	888859
Hollow chisel	22 mm	250 mm	1	936736
Spade chisel	40 mm	250 mm	1	888866
Tile chisel	40 mm	250 mm	1	921572

AGR: 10.040



Chisels

PREMIUMline Chisel SDS-plus

- Self-sharpening
 - More removal in less time
- Visible extended work area for double tool life
- Optimised performance for SDS-plus drills
- Proactive anti-jamming protection and reduced friction
- Special hardening with extremely hard tip therefore extremely efficient. Maximum stability and wear-resistant insertion end
- Suitable for all drilling and chiseling hammers with SDS-plus shank

Technical Data

Drill shank SDS plus

Title	Width	Length	PU Piece	Article No.
POINTED PREMIUM SDS-PLUS 250	-	250 mm	1	366881
FLAT PREMIUM SDS-PLUS 250x20	20 mm	250 mm	1	366879
SPADE PREMIUM SDS-PLUS 250x40	40 mm	250 mm	1	366883
TILE PREMIUM SDS-PLUS 250X50	50 mm	250 mm	1	366913

AGR: 10.040





6

PREMIUMlineChisel SDS-plus Set

- Special hardening with extremely hard tip therefore extremely efficient
- Maximum stability and wear-resistant insertion end

Hints

- Suitable for all drilling and chipping hammers with SDS-plus shank

Title	PU Piece	Article No.
SET PREMIUM SDS-PLUS 3PC	1	366886
AGR: 10.040		
Scope Of Supply	Piece	Article No.
FLAT PREMIUM SDS-PLUS 250x20	1	366879
POINTED PREMIUM SDS-PLUS 250	1	366881
SPADE PREMIUM SDS-PLUS 250x40	1	366883

PREMIUMlineChisel SDS-max Set

- Special hardening with extremely hard tip, therefore extremely efficient
- Maximum stability and wear-proof insertion end

Hints

- Suitable for all drilling and chipping hammers with SDS-max shank

Title	PU Piece	Article No.
SET PREMIUM SDS-MAX 3PC	1	366885
AGR: 10.041		
Scope Of Supply	Piece	Article No.
POINTED PREMIUM SDS-MAX 400	1	366882
FLAT PREMIUM SDS-MAX 400x25	1	366880
SPADE PREMIUM SDS-MAX 380x50	1	366884

INTERNAL/Approved (2019-03-22 20:01:58)

Chisels

Point + Flat Chisel for Hilti Tools

- Optimal distribution of the impct energy by 6-square shank form

Hints

- Especially for Hilti tools TE805, TE905

Technical Data

Drill shank6KT SW 11

Title	Width	Length	PU Piece	Article No.
POINTCHISEL HEX22 500 MM	-	500 mm	1	336058
Flat Chisel	11 mm	500 mm	1	027444
FLATCHISEL HEX22 500X25 MM	25 mm	500 mm	1	336059

AGR: 10.042 / 10.045



Twist Drill Bit DIN 338 STANDARDline

- Rolled, high-strength design
- Entire working length can be reground several times
- Narrow outer Ø prevents seizure in the workpiece
- Core Ø increases towards the shank to offer high stability and high resistance to impacts and side forces
- Material: HSS
- Ground with conical shell point at an angle of: 118°

Application Area

- Handheld drills and box column drills

Processing Information

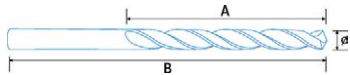
- Tool life can be increased with cooling and lubrication

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	118 °



Title	Ø	Working Length	Length	PU Piece	Article No.
Twist Drill Bit DIN 338 STANDARDline HSS	1 mm	12 mm	34 mm	10	008321
Twist Drill Bit DIN 338 STANDARDline HSS	1.5 mm	18 mm	40 mm	10	008322
STANDARDline HSS spiral drill bit DIN 338	2 mm	24 mm	49 mm	10	008323
STANDARDline HSS spiral drill bit DIN 338	2.5 mm	30 mm	57 mm	10	008324
STANDARDline HSS spiral drill bit DIN 338	3 mm	33 mm	61 mm	10	008325
STANDARDline HSS spiral drill bit DIN 338	3.2 mm	36 mm	65 mm	10	008326
STANDARDline HSS spiral drill bit DIN 338	3.5 mm	39 mm	70 mm	10	008327
STANDARDline HSS spiral drill bit DIN 338	4 mm	43 mm	75 mm	10	008328
Twist Drill Bit DIN 338 STANDARDline HSS	4.1 mm	43 mm	75 mm	10	011723
STANDARDline HSS spiral drill bit DIN 338	4.2 mm	43 mm	75 mm	10	008329
STANDARDline HSS spiral drill bit DIN 338	4.5 mm	47 mm	80 mm	10	008330
STANDARDline HSS spiral drill bit DIN 338	5 mm	52 mm	86 mm	10	008332
STANDARDline HSS spiral drill bit DIN 338	5.5 mm	57 mm	93 mm	10	008333

INTERNAL/Approved (2019-03-22 20:02:19)

Metal drills

Title	Ø	Working Length	Length	PU Piece	Article No.
STANDARDline HSS spiral drill bit DIN 338	6 mm	57 mm	93 mm	10	008334
STANDARDline HSS spiral drill bit DIN 338	6.5 mm	63 mm	101 mm	10	008336
STANDARDline HSS spiral drill bit DIN 338	7 mm	69 mm	109 mm	10	008337
STANDARDline HSS spiral drill bit DIN 338	7.5 mm	69 mm	109 mm	10	008339
STANDARDline HSS spiral drill bit DIN 338	8 mm	75 mm	117 mm	5	008340
STANDARDline HSS spiral drill bit DIN 338	8.5 mm	75 mm	117 mm	5	008341
STANDARDline HSS spiral drill bit DIN 338	9 mm	81 mm	125 mm	5	008342
Twist Drill Bit DIN 338 STANDARDline HSS	9.5 mm	81 mm	125 mm	5	008343
STANDARDline HSS spiral drill bit DIN 338	10 mm	87 mm	133 mm	5	008344
Twist Drill Bit DIN 338 STANDARDline HSS	10.5 mm	87 mm	133 mm	1	008345
Twist Drill Bit DIN 338 STANDARDline HSS	11 mm	94 mm	142 mm	1	008347
Twist Drill Bit DIN 338 STANDARDline HSS	11.5 mm	94 mm	142 mm	1	008348
Twist Drill Bit DIN 338 STANDARDline HSS	12 mm	101 mm	151 mm	1	008349
Twist Drill Bit DIN 338 STANDARDline HSS	12.5 mm	101 mm	151 mm	1	008350
Twist Drill Bit DIN 338 STANDARDline HSS	13 mm	101 mm	151 mm	1	008351

AGR: 10.100

Metal drills

Twist Drill Bit Box DIN 338 - 19pcs
STANDARDline

Scope Of Delivery

- 19 twist drill bits 1.0 – 10.0 in 0.5 mm increments
- Set is supplied in a metal box

Title	Content	PU Assortment	Article No.
Twist Drill STANDARDline Bit Box 1-10	19 PC	1	008368

AGR: 10.101

Scope Of Supply	Piece	Article No.
Twist Drill Bit DIN 338 STANDARDline DIN 338 HSS RF 1 mm	1	008321
Twist Drill Bit DIN 338 STANDARDline DIN 338 HSS RF 1,5 mm	1	008322
Twist drill bit DIN 338 STANDARDline HSS	1	008323
Twist drill bit DIN 338 STANDARDline HSS	1	008324
Twist drill bit DIN 338 STANDARDline HSS	1	008325
Twist drill bit DIN 338 STANDARDline HSS	1	008327
Twist drill bit DIN 338 STANDARDline HSS	1	008328
Twist drill bit DIN 338 STANDARDline HSS	1	008330
Twist drill bit DIN 338 STANDARDline HSS	1	008332
Twist drill bit DIN 338 STANDARDline HSS	1	008333
Twist drill bit DIN 338 STANDARDline HSS	1	008334
Twist drill bit DIN 338 STANDARDline HSS	1	008336
Twist drill bit DIN 338 STANDARDline HSS	1	008337
Twist drill bit DIN 338 STANDARDline HSS	1	008339
Twist Drill DIN 338 STANDARDline HSS	1	008340
Twist drill bit DIN 338 STANDARDline HSS	1	008341
Twist drill bit DIN 338 STANDARDline HSS	1	008342
Twist drill bit Standardline DIN 338 HSS RF 9,5 mm	1	008343
Twist drill bit Standardline DIN 338 HSS RF 10 mm	1	008344



INTERNAL/Approved (2019-03-22 20:03:07)



Twist Drill Bit Box DIN 338 - 25pcs
STANDARDline

Scope Of Delivery

- 25 twist drill bits 1.0 – 13.0 in 0.5 mm increments
- Set is supplied in a metal box

Title	Content	PU Assortment	Article No.
Twist Drill STANDARDline Bit Box 1-13	25 PC	1	008367

AGR: 10.101

Scope Of Supply

	Piece	Article No.
Twist Drill Bit DIN 338 STANDARDline DIN 338 HSS RF 1 mm	1	008321
Twist Drill Bit DIN 338 STANDARDline DIN 338 HSS RF 1,5 mm	1	008322
Twist drill bit DIN 338 STANDARDline HSS	1	008323
Twist drill bit DIN 338 STANDARDline HSS	1	008324
Twist drill bit DIN 338 STANDARDline HSS	1	008325
Twist drill bit DIN 338 STANDARDline HSS	1	008327
Twist drill bit DIN 338 STANDARDline HSS	1	008328
Twist drill bit DIN 338 STANDARDline HSS	1	008330
Twist drill bit DIN 338 STANDARDline HSS	1	008332
Twist drill bit DIN 338 STANDARDline HSS	1	008333
Twist drill bit DIN 338 STANDARDline HSS	1	008334
Twist drill bit DIN 338 STANDARDline HSS	1	008336
Twist drill bit DIN 338 STANDARDline HSS	1	008337
Twist drill bit DIN 338 STANDARDline HSS	1	008339
Twist Drill DIN 338 STANDARDline HSS	1	008340
Twist drill bit DIN 338 STANDARDline HSS	1	008341
Twist drill bit DIN 338 STANDARDline HSS	1	008342
Twist drill bit Standardline DIN 338 HSS RF 9,5 mm	1	008343
Twist drill bit Standardline DIN 338 HSS RF 10 mm	1	008344
Twist drill bit Standardline DIN338 HSS RF 10,5 mm	1	008345



INTERNAL/Approved (2019-03-22 20:03:15)

Metal drills

Scope Of Supply	Piece	Article No.
Twist drill bit Standardline DIN338 HSS RF 11 mm	1	008347
Twist drill bit Standardline DIN338 HSS RF 11,5 mm	1	008348
Twist drill bit Standardline DIN338 HSS RF 12 mm	1	008349
Twist drill bit Standardline DIN338 HSS RF 12,5 mm	1	008350
Twist drill bit Standardline DIN338 HSS RF 13 mm	1	008351

Twist Drill BERA CLIC + Size 1 DIN 338 HSS Rolled



Title	PU Assortment	Article No.
BC+1 HSS DIN 338 ROLLER	1	102978

AGR: 07.210

Scope Of Supply	Piece	Article No.
Twist drill bit DIN 338 STANDARDline HSS	10	008323
Twist drill bit DIN 338 STANDARDline HSS	10	008324
Twist drill bit DIN 338 STANDARDline HSS	10	008325
Twist drill bit DIN 338 STANDARDline HSS	10	008327
Twist drill bit DIN 338 STANDARDline HSS	5	008328
Twist drill bit DIN 338 STANDARDline HSS	5	008330
Twist drill bit DIN 338 STANDARDline HSS	5	008332
Twist drill bit DIN 338 STANDARDline HSS	5	008333
Twist drill bit DIN 338 STANDARDline HSS	5	008334
Twist drill bit DIN 338 STANDARDline HSS	3	008336
Twist drill bit DIN 338 STANDARDline HSS	3	008337
Twist drill bit DIN 338 STANDARDline HSS	3	008339
Twist Drill DIN 338 STANDARDline HSS	3	008340

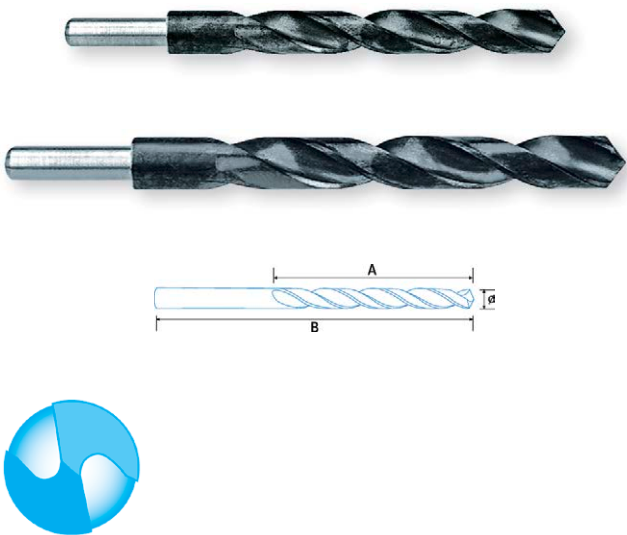
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Scope Of Supply

	Piece	Article No.
Twist drill bit DIN 338 STANDARDline HSS	2	008341
Twist drill bit DIN 338 STANDARDline HSS	2	008342
Twist drill bit Standardline DIN 338 HSS RF 9,5 mm	2	008343
Twist drill bit Standardline DIN 338 HSS RF 10 mm	2	008344
Twist drill bit Standardline DIN338 HSS RF 10,5 mm	2	008345
BC+ system case sz. 1	1	102544
BERA CLIC+ Cushion Lids	1	104057
BERA CLIC+ Inlet for Drills	1	102584

Twist Drill Bit DIN 338 - Reduced Shaft
STANDARDline

- Material: HSS
- Rolled high-strength design
- Narrow outer Ø prevents seizure in the workpiece
- Core Ø increases towards the shank to offer high stability and high resistance to impacts and side forces
- Entire working length can be re-ground several times
- Ground with conical shell point at an angle of: 118°
- Large drill Ø for 10 mm and 13 mm drill chucks
- Drill diameter 10.5 mm to 13 mm shaft diameter = 10 mm
- From drill diameter = 13.5 mm shaft diameter 13 mm



Application Area

- Handheld drills and box pillar drills

Processing Information

- Tool life can be increased with cooling and lubrication

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	118 °

INTERNAL/Approved (2019-03-22 20:03:50)

Metal drills

Title	Ø	Working Length	Length	PU Piece	Article No.
Twist Drill Bit Reduced Shaft DIN 338 HSS	10.5 mm	85 mm	133 mm	1	011726
Twist Drill Bit Reduced Shaft DIN 338 HSS	11 mm	94 mm	142 mm	1	011727
Twist Drill Bit Reduced Shaft DIN 338 HSS	12 mm	100 mm	151 mm	1	011728
Twist Drill Bit Reduced Shaft DIN 338 HSS	13 mm	100 mm	151 mm	1	011731
Twist Drill Bit Reduced Shaft DIN 338 HSS	13.5 mm	108 mm	160 mm	1	008353
Twist Drill Bit Reduced Shaft DIN 338 HSS	14 mm	108 mm	160 mm	1	008355
Twist Drill Bit Reduced Shaft DIN 338 HSS	14.5 mm	114 mm	169 mm	1	008356
Twist Drill Bit Reduced Shaft DIN 338 HSS	15 mm	114 mm	169 mm	1	008357
Twist Drill Bit Reduced Shaft DIN 338 HSS	15.5 mm	120 mm	178 mm	1	008358
Twist Drill Bit Reduced Shaft DIN 338 HSS	16 mm	120 mm	178 mm	1	008359
Twist Drill Bit Red.Shaft DIN 338 HSS	16.5 mm	125 mm	184 mm	1	008360
Twist Drill Bit Reduced Shaft DIN 338 HSS	17 mm	125 mm	184 mm	1	008361
Twist Drill Bit Reduced Shaft DIN 338 HSS	17.5 mm	130 mm	191 mm	1	008362
Twist Drill Bit Reduced Shaft DIN 338 HSS	18 mm	130 mm	191 mm	1	008363
Twist Drill Bit Reduced Shaft DIN 338 HSS	18.5 mm	135 mm	198 mm	1	008364
Twist Drill Bit Reduced Shaft DIN 338 HSS	19 mm	135 mm	198 mm	1	008365
Twist Drill Bit Reduced Shaft DIN 338 HSS	20 mm	140 mm	205 mm	1	008366

AGR: 10.100

Twist Drill Bit DIN 345 with Morse Taper

- Material: HSS
- Ground with conical shell point at an angle of: 118°
- Rolled high-strength design
- Morse taper holder for optimal transmission of energy
- Entire working length can be re-ground several times
- Tapered outer-Ø prevents seizure in the workpiece
- Core-Ø increases towards the shank to offer high stability
- and high resistance against impacts and side force



INTERNAL/Approved (2019-03-22 20:04:02)

Application Area

- Pillar column drill, turning machine, automated turning machine
(Adaptation of MK sizes with a morse taper adapter)

Processing Information

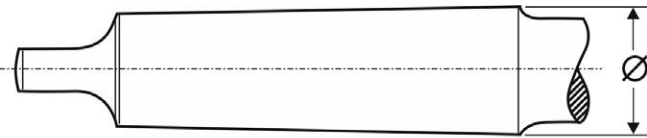
- Tool life can be increased with cooling and lubrication

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material HSS
Point Angle 118 °



Morsekonus	Ø
MK 1	ca. 12,2 mm
MK 2	ca. 18,0 mm
MK 3	ca. 24,1 mm
MK 4	ca. 31,6 mm



Title	Ø	Working Length	Length	Morse Taper Exterior	PU Piece	Article No.
Twist Drill Bit DIN 345 with Morse Taper	13 mm	101 mm	182 mm	1	1	011747
Twist Drill Bit DIN 345 with Morse Taper	14 mm	108 mm	189 mm	1	1	008604
Twist Drill Bit DIN 345 with Morse Taper	14.5 mm	114 mm	212 mm	2	1	008605
Twist Drill Bit DIN 345 with Morse Taper	15 mm	114 mm	212 mm	2	1	008606
Twist Drill Bit DIN 345 with Morse Taper	15.5 mm	120 mm	218 mm	2	1	008607
Twist Drill Bit DIN 345 with Morse Taper	16 mm	120 mm	218 mm	2	1	008608
Twist Drill Bit DIN 345 with Morse Taper	16.5 mm	125 mm	223 mm	2	1	008609
Twist Drill Bit DIN 345 with Morse Taper	17 mm	125 mm	223 mm	2	1	008610
Twist Drill Bit DIN 345 with Morse Taper	17.5 mm	130 mm	228 mm	2	1	008611
Twist Drill Bit DIN 345 with Morse Taper	18 mm	130 mm	228 mm	2	1	008612
Twist Drill Bit DIN 345 with Morse Taper	18.5 mm	135 mm	233 mm	2	1	008613
Twist Drill Bit DIN 345 with Morse Taper	19 mm	135 mm	233 mm	2	1	008614
Twist Drill Bit DIN 345 with Morse Taper	19.5 mm	140 mm	238 mm	2	1	008615
Twist Drill Bit DIN 345 with Morse Taper	20 mm	140 mm	238 mm	2	1	008616
Twist Drill Bit DIN 345 with Morse Taper	20.5 mm	145 mm	243 mm	2	1	008617
Twist Drill Bit DIN 345 with Morse Taper	21 mm	145 mm	243 mm	2	1	008618
Twist Drill Bit with Morse Tapper DIN 345	21.5 mm	150 mm	248 mm	2	1	008625
Twist Drill Bit DIN 345 with Morse Taper	22 mm	150 mm	248 mm	2	1	008626
Twist Drill Bit DIN 345 with Morse Taper	22.5 mm	155 mm	253 mm	2	1	008627
Twist Drill Bit DIN 345 with Morse Taper	23 mm	155 mm	253 mm	2	1	008628
Twist Drill Bit with Morse Tapper DIN 345	23.5 mm	155 mm	276 mm	3	1	008629

INTERNAL/Approved (2019-03-22 20:04:12)

Metal drills

Title	Ø	Working Length	Length	Morse Taper Exterior	PU Piece	Article No.
Twist Drill Bit DIN 345 with Morse Taper	24 mm	160 mm	281 mm	3	1	008630
Twist Drill Bit with Morse Tapper DIN 345	24.5 mm	160 mm	281 mm	3	1	008631
Twist Drill Bit DIN 345 with Morse Taper	25 mm	160 mm	281 mm	3	1	008632
Twist Drill Bit with Morse Tapper DIN 345	25.5 mm	165 mm	286 mm	3	1	008634
Twist Drill Bit DIN 345 with Morse Taper	26 mm	165 mm	286 mm	3	1	008635
Twist Drill Bit DIN 345 with Morse Taper	27 mm	170 mm	291 mm	3	1	008636
Twist Drill Bit DIN 345 with Morse Taper	28 mm	170 mm	291 mm	3	1	008637
Twist Drill Bit DIN 345 with Morse Taper	29 mm	175 mm	296 mm	3	1	008638
Twist Drill Bit DIN 345 with Morse Taper	30 mm	175 mm	296 mm	3	1	008639

AGR: 10.112

Taper Ejector

Application Area

- To drive Mores taper drills and Mores taper adapters out

Title	Morse Taper Exterior	PU Piece	Article No.
Taper Ejector	1	1	008646
Taper Ejector	2	1	008647
Taper Ejector	3	1	008648

AGR: 10.112

Reducing Sleeve DIN 2185

Title	Morse Taper Interior	Morse Taper Exterior	PU Piece	Article No.
Reducing Sleeve	1	2	1	008649
Reducing Sleeve	2	3	1	008650
Reducing Sleeve	3	4	1	008651

AGR: 10.112

Rivet Drill Bit DIN 1897

- Material: HSS
- Ground with conical shell point at an angle of: 118°
- A short chip flute guarantees high stability



INTERNAL/Approved (2019-03-22 20:04:23)

- Extra short series, rolled out high-strength design
- High stability and fracture resistance
- Special shape is pre-centering grinding, and one need not be necessary to carry out when it is switched on the workpiece less force on the drill
- Economic as the entire working length of the drill can be re-sharpened



Application Area

- Drilling of thin-walled materials
- Rivet core drilling and reboring of rivets
- Ideal for hand drilling machines

Processing Information

- Tool life can be increased with cooling and lubrication

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	118 °

Title	Ø	Working Length	Length	PU Piece	Article No.
Rivet Drill Bit DIN 1897	3 mm	18 mm	49 mm	1/10	008652
Rivet Drill Bit DIN 1897	3.2 mm	18 mm	49 mm	1/10	008654
Rivet Drill Bit DIN 1897 STANDARDline HSS	4.1 mm	22 mm	55 mm	1/10	008656
Rivet Drill Bit DIN 1897 STANDARDline HSS	5 mm	26 mm	62 mm	1/10	008659
Rivet Drill Bit DIN 1897 STANDARDline HSS	5.1 mm	26 mm	62 mm	1/5	008660

AGR: 10.130

INTERNAL/Approved (2019-03-22 20:04:58)

Drill Bits Assortment 107 part DIN 338 TOPline

Hints

- Also available as a refill assortment without case

Scope Of Delivery

- 107 twist drill bits
- Each 10 piece 1.0 – 3.5 mm in gradients of 0.5 mm
- Each 5 piece 4.0 – 6.0 mm in gradients of 0.5 mm
- Each 3 piece 6.5 – 8.0 mm in gradients of 0.5 mm
- Each 2 piece 8.5 – 10.5 mm in gradients of 0.5 mm
- 20-fold in the BS-metal box

Title	PU Assortment	Article No.
BS 3044 TWIST D. 338 HSS GS	1	232556

AGR: 07.910

Scope Of Supply

	Piece	Article No.
Twist Drill Bit TOPline DIN 338 HSS 1.0 mm silver	10	131238
Twist Drill Bit TOPline DIN 338 HSS 1.5 mm silver	10	131244
Twist Drill Bit TOPline DIN 338 HSS 2.0 mm silver	10	131249
Twist Drill Bit TOPline DIN 338 HSS 2.5 mm silver	10	131254
Twist Drill Bit TOPline DIN 338 HSS 3.0 mm silver	10	131259
Twist Drill Bit TOPline DIN 338 HSS 3.5 mm silver	10	131264
Twist Drill Bit TOPline DIN 338 HSS 4.0 mm silver	5	131269
Twist Drill Bit TOPline DIN 338 HSS 4.5 mm silver	5	131274
Twist Drill Bit TOPline DIN 338 HSS 5.0 mm silver	5	131279
Twist Drill Bit TOPline DIN 338 HSS 5.5 mm silver	5	131284
Twist Drill Bit TOPline DIN 338 HSS 6.0 mm silver	5	131289
Twist Drill Bit TOPline DIN 338 HSS 6.5 mm silver	3	131294
Twist Drill Bit TOPline DIN 338 HSS 7.0 mm silver	3	131299
Twist Drill Bit TOPline DIN 338 HSS 7.5 mm silver	3	131304
Twist Drill Bit TOPline DIN 338 HSS 8.0 mm silver	3	131309



Scope Of Supply	Piece	Article No.
Twist Drill Bit TOPline DIN 338 HSS 8.5 mm silver	2	131314
Twist Drill Bit TOPline DIN 338 HSS 9.0 mm silver	2	131326
Twist Drill Bit TOPline DIN 338 HSS 9.5 mm silver	2	131331
Twist Drill Bit TOPline DIN 338 HSS 10.0 mm silver	2	131339
Twist Drill Bit TOPline DIN 338 HSS 10.5 mm silver	2	131341
Accessories Available	PU Amount	Article No.
KE 3044 DRILL DIN 338	1	040586

Twist Drill Bit DIN 338, Ground

- High stability and fracture resistance, made of HSS steel blank
- Accurate size drill holes, because the drill bit as a whole is cut out of a hardened pin
- The special “split point” diamond shape means pre-centering force does not need to be exerted on the workpiece
- The point angle is 130°. This i.c.m, the “split point” diamond shape ensures that the drill is stable and makes round holes in thin material
- The drill does not crash because the outer diameter gradually becomes smaller from the tip to the shank (rejuvenation)
- High stability and reduced vibration, because the diameter of the core is increasing in the direction of the shaft
- The entire working length of the drill is regrindable

Application Area

- Suitable for construction steel to a tensile strength of 1000 N/mm², cast iron, non-ferrous metals, in hand and pillar drills

Characteristics

- Drill in blank edition, slightly lubricated

Processing Information

- Cooling and lubricating increases the service life, you will find the appropriate products in chapter chemistry under greasing and dissolving



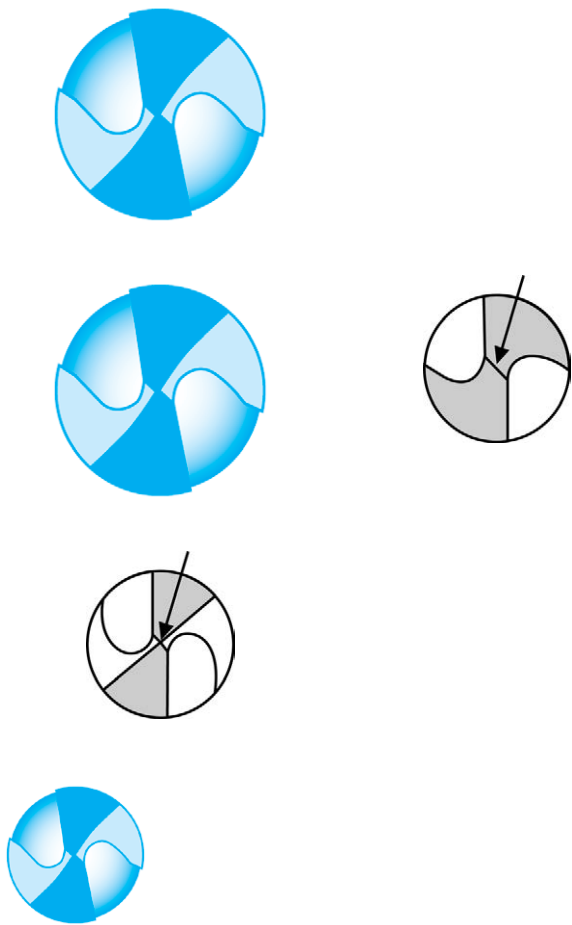
Metal drills

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	130 °



6

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 0.5 mm / L= 22 mm	10	131233
Ø 0.6 mm / L= 24 mm	10	131234
Ø 0.7 mm / L= 28 mm	10	131235
Ø 0.8 mm / L= 30 mm	10	131236
Ø 0.9 mm / L= 32 mm	10	131237
Ø 1 mm / L= 34 mm	10	131238
Ø 1.1 mm / L= 36 mm	10	131239
Ø 1.2 mm / L= 38 mm	10	131240
Ø 1.3 mm / L= 38 mm	10	131241
Ø 1.4 mm / L= 40 mm	10	131243
Ø 1.5 mm / L= 40 mm	10	131244
Ø 1.6 mm / L= 43 mm	10	131245
Ø 1.7 mm / L= 43 mm	10	131246

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 1.8 mm / L= 46 mm	10	131247
Ø 1.9 mm / L= 46 mm	10	131248
Ø 2 mm / L= 49 mm	10	131249
Ø 2.1 mm / L= 49 mm	10	131250
Ø 2.2 mm / L= 53 mm	10	131251
Ø 2.3 mm / L= 53 mm	10	131252
Ø 2.4 mm / L= 57 mm	10	131253
Ø 2.5 mm / L= 57 mm	10	131254
Ø 2.6 mm / L= 57 mm	10	131255
Ø 2.7 mm / L= 61 mm	10	131256
Ø 2.8 mm / L= 61 mm	10	131257
Ø 2.9 mm / L= 61 mm	10	131258
Ø 3 mm / L= 61 mm	1/10	131259

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 3.1 mm / L= 65 mm	10	131260
Ø 3.2 mm / L= 65 mm	10	131261
Ø 3.3 mm / L= 65 mm	10	131262
Ø 3.4 mm / L= 70 mm	10	131263
Ø 3.5 mm / L= 70 mm	1/10	131264
Ø 3.6 mm / L= 70 mm	10	131265
Ø 3.7 mm / L= 70 mm	10	131266
Ø 3.8 mm / L= 75 mm	10	131267
Ø 3.9 mm / L= 75 mm	10	131268
Ø 4 mm / L= 75 mm	1/10	131269
Ø 4.1 mm / L= 75 mm	10	131270
Ø 4.2 mm / L= 75 mm	1/10	131271
Ø 4.3 mm / L= 80 mm	10	131272

INTERNAL/Approved (2019-03-22 20:06:10)

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 4.4 mm / L= 80 mm	10	131273
Ø 4.5 mm / L= 80 mm	1/10	131274
Ø 4.6 mm / L= 80 mm	10	131275
Ø 4.7 mm / L= 80 mm	10	131276
Ø 4.8 mm / L= 86 mm	1/10	131277
Ø 4.9 mm / L= 86 mm	10	131278
Ø 5 mm / L= 86 mm	1/10	131279
Ø 5.1 mm / L= 86 mm	10	131280
Ø 5.2 mm / L= 86 mm	10	131281
Ø 5.3 mm / L= 86 mm	10	131282
Ø 5.4 mm / L= 93 mm	10	131283
Ø 5.5 mm / L= 93 mm	1/10	131284
Ø 5.6 mm / L= 93 mm	10	131285
Ø 5.7 mm / L= 93 mm	10	131286
Ø 5.8 mm / L= 93 mm	10	131287
Ø 5.9 mm / L= 93 mm	10	131288
Ø 6 mm / L= 93 mm	1/10	131289
Ø 6.1 mm / L= 101 mm	10	131290
Ø 6.2 mm / L= 101 mm	10	131291
Ø 6.3 mm / L= 101 mm	10	131292
Ø 6.4 mm / L= 101 mm	1/10	131293
Ø 6.5 mm / L= 101 mm	1/10	131294
Ø 6.6 mm / L= 101 mm	10	131295

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 6.7 mm / L= 101 mm	10	131296
Ø 6.8 mm / L= 109 mm	10	131297
Ø 6.9 mm / L= 109 mm	10	131298
Ø 7 mm / L= 109 mm	1/10	131299
Ø 7.1 mm / L= 109 mm	10	131300
Ø 7.2 mm / L= 109 mm	10	131301
Ø 7.3 mm / L= 109 mm	10	131302
Ø 7.4 mm / L= 109 mm	10	131303
Ø 7.5 mm / L= 109 mm	1/10	131304
Ø 7.6 mm / L= 117 mm	10	131305
Ø 7.7 mm / L= 117 mm	10	131306
Ø 7.8 mm / L= 117 mm	10	131307
Ø 7.9 mm / L= 117 mm	10	131308
Ø 8 mm / L= 117 mm	1/5	131309
Ø 8.1 mm / L= 117 mm	5	131310
Ø 8.2 mm / L= 117 mm	5	131311
Ø 8.3 mm / L= 117 mm	5	131312
Ø 8.4 mm / L= 117 mm	5	131313
Ø 8.5 mm / L= 117 mm	1/5	131314
Ø 8.6 mm / L= 125 mm	5	131315
Ø 8.7 mm / L= 125 mm	5	131316
Ø 8.8 mm / L= 125 mm	5	131318
Ø 8.9 mm / L= 125 mm	5	131321

Twist Drill Bit DIN 338, Ground		
Dimensions	PU Piece	Article No.
Ø 9 mm / L= 125 mm	1/5	131326
Ø 9.1 mm / L= 125 mm	5	131327
Ø 9.2 mm / L= 125 mm	5	131328
Ø 9.3 mm / L= 125 mm	5	131329
Ø 9.4 mm / L= 125 mm	5	131330
Ø 9.5 mm / L= 125 mm	1/5	131331
Ø 9.6 mm / L= 133 mm	5	131334
Ø 9.7 mm / L= 133 mm	5	131336
Ø 9.8 mm / L= 133 mm	5	131337
Ø 9.9 mm / L= 133 mm	5	131338
Ø 10 mm / L= 133 mm	1/5	131339
Ø 10.2 mm / L= 133 mm	1	131340
Ø 10.5 mm / L= 133 mm	1	131341
Ø 11 mm / L= 142 mm	1	131342
Ø 11.2 mm / L= 142 mm	1	134963
Ø 11.5 mm / L= 142 mm	1	131343
Ø 12 mm / L= 151 mm	1	131344
Ø 12.5 mm / L= 151 mm	1	131345
Ø 13 mm / L= 151 mm	1	131346

AGR: 10.102

Metal drills

Twist Drill-Cassete 19-Pieces

Scope Of Delivery

- 19 twist drills DIN 338 TOPline silver from 1.0 to 10.0 0.5 mm increments in plastic box



Title	Content	PU Assortment	Article No.
SET TOP SILVER338 SP 19PC 1-10	19 PC	1	130747

AGR: 10.103

Scope Of Supply

	Piece	Article No.
Twist Drill Bit TOPline DIN 338 HSS 1.0 mm silver	1	131238
Twist Drill Bit TOPline DIN 338 HSS 1.5 mm silver	1	131244
Twist Drill Bit TOPline DIN 338 HSS 2.0 mm silver	1	131249
Twist Drill Bit TOPline DIN 338 HSS 2.5 mm silver	1	131254
Twist Drill Bit TOPline DIN 338 HSS 3.0 mm silver	1	131259
Twist Drill Bit TOPline DIN 338 HSS 3.5 mm silver	1	131264
Twist Drill Bit TOPline DIN 338 HSS 4.0 mm silver	1	131269
Twist Drill Bit TOPline DIN 338 HSS 4.5 mm silver	1	131274
Twist Drill Bit TOPline DIN 338 HSS 5.0 mm silver	1	131279
Twist Drill Bit TOPline DIN 338 HSS 5.5 mm silver	1	131284
Twist Drill Bit TOPline DIN 338 HSS 6.0 mm silver	1	131289
Twist Drill Bit TOPline DIN 338 HSS 6.5 mm silver	1	131294
Twist Drill Bit TOPline DIN 338 HSS 7.0 mm silver	1	131299
Twist Drill Bit TOPline DIN 338 HSS 7.5 mm silver	1	131304
Twist Drill Bit TOPline DIN 338 HSS 8.0 mm silver	1	131309
Twist Drill Bit TOPline DIN 338 HSS 8.5 mm silver	1	131314
Twist Drill Bit TOPline DIN 338 HSS 9.0 mm silver	1	131326
Twist Drill Bit TOPline DIN 338 HSS 9.5 mm silver	1	131331
Twist Drill Bit TOPline DIN 338 HSS 10.0 mm silver	1	131339

Assorted Silver Twist Drills TOPline 25pcs

- 25 twist drills DIN 338 TOPline silver from 1.0 - 13.0 (in 0.5 mm increments)
- Supplied in a handy plastic case

Scope Of Delivery

- 25 twist drills DIN 338 TOPline silver from 1.0 - 13.0 (in 0.5 mm increments)
- Supplied in a handy plastic case



Title	Content	PU Assortment	Article No.
Silver Twist Drill TOPline Assortment 1-13	25 PC	1	130748

AGR: 10.103

Scope Of Supply	Piece	Article No.
Twist Drill Bit TOPline DIN 338 HSS 1.0 mm silver	1	131238
Twist Drill Bit TOPline DIN 338 HSS 1.5 mm silver	1	131244
Twist Drill Bit TOPline DIN 338 HSS 2.0 mm silver	1	131249
Twist Drill Bit TOPline DIN 338 HSS 2.5 mm silver	1	131254
Twist Drill Bit TOPline DIN 338 HSS 3.0 mm silver	1	131259
Twist Drill Bit TOPline DIN 338 HSS 3.5 mm silver	1	131264
Twist Drill Bit TOPline DIN 338 HSS 4.0 mm silver	1	131269
Twist Drill Bit TOPline DIN 338 HSS 4.5 mm silver	1	131274
Twist Drill Bit TOPline DIN 338 HSS 5.0 mm silver	1	131279
Twist Drill Bit TOPline DIN 338 HSS 5.5 mm silver	1	131284
Twist Drill Bit TOPline DIN 338 HSS 6.0 mm silver	1	131289
Twist Drill Bit TOPline DIN 338 HSS 6.5 mm silver	1	131294
Twist Drill Bit TOPline DIN 338 HSS 7.0 mm silver	1	131299
Twist Drill Bit TOPline DIN 338 HSS 7.5 mm silver	1	131304
Twist Drill Bit TOPline DIN 338 HSS 8.0 mm silver	1	131309
Twist Drill Bit TOPline DIN 338 HSS 8.5 mm silver	1	131314
Twist Drill Bit TOPline DIN 338 HSS 9.0 mm silver	1	131326
Twist Drill Bit TOPline DIN 338 HSS 9.5 mm silver	1	131331
Twist Drill Bit TOPline DIN 338 HSS 10.0 mm silver	1	131339
Twist Drill Bit TOPline DIN 338 HSS 10.5 mm silver	1	131341

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Metal drills

Scope Of Supply	Piece	Article No.
DRILL SILVER TOP 338HSS SP11,0	1	131342
Twist Drill Bit TOPLine DIN 338 HSS 11.5 mm silver	1	131343
DRILL SILVER TOP 338HSS SP12,0	1	131344
Twist Drill Bit TOPLine DIN 338 HSS 12.5 mm silver	1	131345
DRILL SILVER TOP 338HSS SP13,0	1	131346

Long Twist Drill Bit DIN 340

- Large working length allows for deep drilling
- Ground finish ensures high accuracy
- Split point enables direct drilling without prior center punching, safe drilling even on curves, low feed force, faster drilling speed and excellent chip evacuation
- Split Point: 130°
- Tapered outer diameter prevents galling in the workpiece
- Towards the shaft increasing core diameter for high strength and resistance to impact and lateral forces
- High stability and fracture resistance, due to HSS steel
- Economical as the entire working length of the drill is re-grindable

Application Area

- Deep drilling and low-lying holes and profiles through different materials
- Universal use for hand and drilling machines, rotary and vending machines

Processing Information

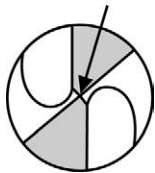
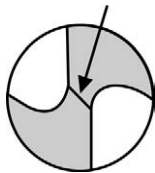
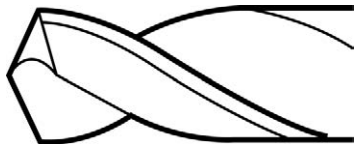
- Cooling and greasing increases the service life

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	130 °



Metal drills

Title	Ø	Working Length	Length	PU Piece	Article No.
Long Twist Drill Bit DIN 340 TOPline HSS	3.2 mm	69 mm	106 mm	1/10	008582
Long Twist Drill Bit DIN 340 TOPline HSS	8.5 mm	109 mm	165 mm	1/5	008596
Long Twist Drill Bit DIN 340 TOPline HSS	9 mm	115 mm	175 mm	1/5	008597
Long Twist Drill Bit DIN 340 TOPline HSS	9.5 mm	115 mm	175 mm	1/5	008598
Long Twist Drill Bit DIN 340 TOPline HSS	10 mm	121 mm	184 mm	1/5	008599
Long Twist Drill Bit DIN 340 TOPline HSS	10.5 mm	121 mm	184 mm	1	008600
Long Twist Drill Bit DIN 340 TOPline HSS	12 mm	134 mm	205 mm	1	008602

AGR: 10.111

Metal drills

Long Twist Drill Bit DIN 1869/2 **TOPline**

- Great working length allows deep drilling
- Polished design ensures high level of accuracy
- Split point enables direct drilling without prior center punching, safe drilling even on curves, low feed force, faster drilling rate and excellent chip evacuation
- Entire working length can be re-ground several times

Application Area

- Extendable twist drill bit for low-lying holes
- 5.0 mm for screw M 6
- 6.8 mm for screw M 8

Processing Information

- Tool life can be increased with cooling and lubrication

Technical Data

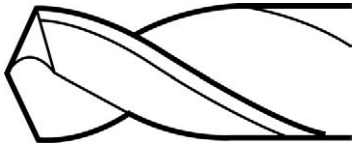
Material	HSS
Point Angle	118 °

Title	Ø	Working Length	Length	PU Piece	Article No.
TWIST DRILL HSS 1869 3,5X210	3.5 mm	145 mm	210 mm	1	339252
TWIST DRILL HSS 1869 4,2X220	4.2 mm	150 mm	220 mm	1	332104
TWIST DRILL HSS 1869 5,0X315	5 mm	210 mm	315 mm	1	339253
Long Twist Drill Bit DIN 1869/2	6 mm	140 mm	205 mm	1	243740
TWIST DRILL HSS 1869 6,0X330	6 mm	225 mm	330 mm	1	339254
TWIST DRILL HSS 1869 6.5X215	6.5 mm	150 mm	215 mm	1	117821
TWIST DRILL HSS 1869 8,0X390	8 mm	265 mm	390 mm	1	339255
TWIST DRILL HSS 1869 10,0X430	10 mm	295 mm	430 mm	1	339256

AGR: 10.130

Double-Ended Rivet Drill Bits DIN 1897 **TOPline**

- Can be used on both sides
- Split point enables direct drilling without prior punching, safe drilling even on curves, low feed force
- Short chip flute guarantees high stability



Application Area

- Drilling of thin walled materials
- Drilling in rivet core and boring rivets
- Ideal for use in hand drilling machines

Processing Information

- Cooling and greasing increases the service life

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS
Point Angle	130 °

Title	Ø	Working Length	Length	Content SB/BB	PU Piece	Article No.
Double-Sided Rivet Drill Bits, Sim. DIN 1897	3.2 mm	11.2 mm	49 mm	-	10	008665
Double-Sided Rivet Drill Bits, Sim. DIN 1897	3.3 mm	12.5 mm	49 mm	50 PC	1	011767
Double-Ended Rivet Drill Bits	3.5 mm	14 mm	55 mm	-	10	010992
Double-Sided Rivet Drill Bits, Sim. DIN 1897	5 mm	17 mm	62 mm	-	10	008670
Double-Sided Rivet Drill Bits, Sim. DIN 1897	5.5 mm	19 mm	66 mm	-	1/5	008672
Double-Sided Rivet Drill Bits, Sim DIN 1897	6.5 mm	22 mm	70 mm	-	1/5	008673

AGR: 10.131

Drill DIN 340

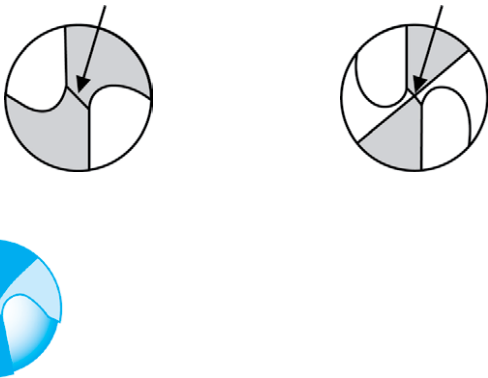
- Stable drill for deeper holes
- 118° cone, split point geometry
 - Self centering
- High precision grinded
- Tension resistant steel 1000N
- Colour: black

Application Area

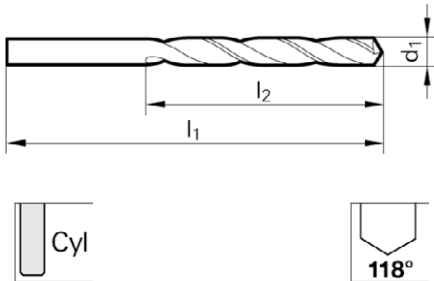
- Non ferrous metals
- Common structural steels
- Special for window and door mounting

Processing Information

- Main usage: Press drill - Power tool - CNC machine



6



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Metal drills

Technical Data

Material	HSS
Point Angle	118 °

Title	Ø	Working Length	Length	PU Piece	Article No.
Drill TOPLine 340 HSS SP	2.5 mm	62 mm	95 mm	10	367308
Drill TOPLine 340 HSS SP	3 mm	66 mm	100 mm	10	367309
Drill TOPLine 340 HSS SP	3.2 mm	69 mm	106 mm	10	367310
Drill TOPLine 340 HSS SP	3.3 mm	69 mm	106 mm	10	367311
Drill TOPLine 340 HSS SP	3.5 mm	73 mm	112 mm	10	367312
Drill TOPLine 340 HSS SP	4 mm	78 mm	119 mm	10	367313
Drill TOPLine 340 HSS SP	4.2 mm	78 mm	119 mm	10	367314
Drill TOPLine 340 HSS SP	4.5 mm	82 mm	126 mm	10	367315
Drill TOPLine 340 HSS SP	5 mm	87 mm	132 mm	10	367316
Drill TOPLine 340 HSS SP	5.2 mm	87 mm	132 mm	10	367317
Drill TOPLine 340 HSS SP	5.5 mm	91 mm	139 mm	10	367318
Drill TOPLine 340 HSS SP	6 mm	91 mm	139 mm	10	367319
Drill TOPLine 340 HSS SP	6.5 mm	97 mm	148 mm	10	367320
Drill TOPLine 340 HSS SP	7 mm	102 mm	156 mm	10	367321
Drill TOPLine 340 HSS SP	7.5 mm	102 mm	156 mm	5	367322
Drill TOPLine 340 HSS SP	8 mm	109 mm	165 mm	5	367323
Drill TOPLine 340 HSS SP	8.5 mm	109 mm	165 mm	5	367324
Drill TOPLine 340 HSS SP	9 mm	115 mm	175 mm	5	367325
Drill TOPLine 340 HSS SP	9.5 mm	115 mm	175 mm	5	367326
Drill TOPLine 340 HSS SP	10 mm	121 mm	184 mm	5	367327
Drill TOPLine 340 HSS SP	10.5 mm	121 mm	184 mm	1	367328
Drill TOPLine 340 HSS SP	11 mm	128 mm	195 mm	1	367329
Drill TOPLine 340 HSS SP	12 mm	134 mm	205 mm	1	367330
Drill TOPLine 340 HSS SP	13 mm	134 mm	205 mm	1	367331

AGR: 10.111

Drill DIN 1869 R1-2



- Stable drill for deep holes
- Centering or piloting necessary
- High precision grinded
- 118° cone relief
- Tension resistant steel 1000N
- Colour: black

Application Area

- Non ferrous metals
- Common structural steels
- Special for window and door mounting

Processing Information

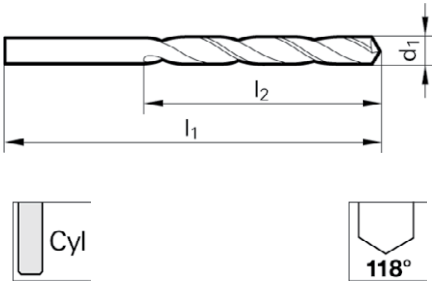
- Main usage: Press drill - CNC - Power tool

Hints

- Centering or piloting is necessary

Technical Data

Material	HSS
Point Angle	118 °



Title	Ø	Working Length	Length	PU Piece	Article No.
Drill TOP 1869 R2 HSS	3 mm	130 mm	190 mm	10	367367
Drill TOP 1869 R2 HSS	3.5 mm	130 mm	210 mm	10	367368
Drill TOP 1869 R2 HSS	4 mm	150 mm	220 mm	10	367369
Drill TOP 1869 R2 HSS	4.5 mm	160 mm	235 mm	10	367370
Drill TOP 1869 R2 HSS	5 mm	170 mm	245 mm	2	367371
Drill TOP 1869 R2 HSS	5.5 mm	180 mm	260 mm	10	367372
Drill TOP 1869 R1 HSS	6 mm	140 mm	205 mm	2	367373
Drill TOP 1869 R2 HSS	6 mm	180 mm	260 mm	10	367374
Drill TOP 1869 R1 HSS	6.5 mm	150 mm	215 mm	1	367375
Drill TOP 1869 R2 HSS	6.5 mm	190 mm	275 mm	5	367376
Drill TOP 1869 R2 HSS	6.8 mm	200 mm	290 mm	2	367377
Drill TOP 1869 R2 HSS	7 mm	200 mm	290 mm	5	367378
Drill TOP 1869 R2 HSS	8 mm	210 mm	305 mm	5	367379
Drill TOP 1869 R2 HSS	9 mm	220 mm	320 mm	3	367380
Drill TOP 1869 R2 HSS	10 mm	235 mm	340 mm	3	367381

AGR: 10.130

INTERNAL/Approved (2019-03-22 20:08:56)

Metal drills

Drill DIN 1897 BS

- Double ended drill
- 118° cone relief
 - Self centering
- High precision grinded
- Tension resistant steel 1000N
- Colour: black

Application Area

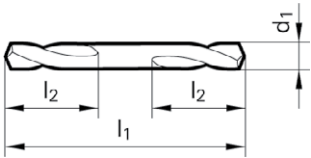
- Non ferrous metals
- Common structural steels
- Special for window and door mounting

Processing Information

- Main usage: Press drill - Power tool

Technical Data

Material	HSS
Point Angle	118 °



Title	Ø	Working Length	Length	PU Piece	Article No.
Drill TOP 1897 BS HSS SP	3 mm	10.6 mm	46 mm	10	367332
Drill TOP 1897 BS HSS SP	3.1 mm	11.2 mm	49 mm	10	367333
Drill TOP 1897 BS HSS SP	3.2 mm	11.2 mm	49 mm	10	367334
Drill TOP 1897 BS HSS SP	3.3 mm	11.2 mm	49 mm	10	367335
Drill TOP 1897 BS HSS SP	3.5 mm	12.5 mm	52 mm	10	367336
Drill TOP 1897 BS HSS SP	4 mm	14 mm	55 mm	10	367337
Drill TOP 1897 BS HSS SP	4.1 mm	14 mm	55 mm	10	367338
Drill TOP 1897 BS HSS SP	4.2 mm	14 mm	55 mm	10	367339
Drill TOP 1897 BS HSS SP	4.5 mm	15.5 mm	58 mm	10	367340
Drill TOP 1897 BS HSS SP	4.9 mm	17 mm	62 mm	10	367341
Drill TOP 1897 BS HSS SP	5 mm	17 mm	62 mm	10	367342
Drill TOP 1897 BS HSS SP	5.1 mm	17 mm	62 mm	5	367343
Drill TOP 1897 BS HSS SP	5.2 mm	17 mm	62 mm	5	367344
Drill TOP 1897 BS HSS SP	5.5 mm	19 mm	66 mm	5	367345
Drill TOP 1897 BS HSS SP	6 mm	19 mm	66 mm	5	367346
Drill TOP 1897 BS HSS SP	6.5 mm	21.2 mm	70 mm	5	367347

AGR: 10.131

INTERNAL/Approved (2019-03-22 20:09:06)

Twist Drill Bit DIN 338 C05%

- Material: HSS-E with 5 % cobalt
- Polished section: 130° split point
- Cobalt alloy guarantees high temperature strength, tool life and hardness
- Grinded finish for high level of accuracy
- Cross polished section enables direct drilling without prior center punching, safe star of drilling even on curves, low feed force, faster drilling rate and very good chip exacuation
- Entire working length can be re-ground several times
- Narrow outer Ø prevents seizure in the work piece
- Core Ø increases towards the shank to offer high stability and high resistance to impacts and side forces

Application Area

- Universal use for hand and pillar drills, turning machines and auto-
mated turning machines
- Even usable with hard and ductile materials (see application
overview)

Processing Information

- At hard and tough materials and those which are difficult to
machine, the drill has to be cooled, greased and should be used at
at small rotational speed

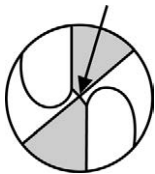
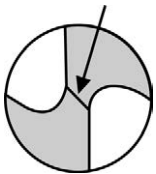
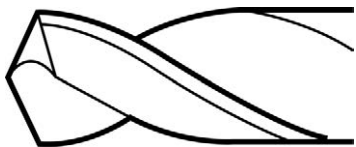
Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool
while drilling

Technical Data

Material	HSS-CO 5
Point Angle	130 °

Title	Ø	Working Length	Length	PU Piece	Article No.
Twist Drill DIN 338 C05 PREMIUMline	3.1 mm	36 mm	65 mm	5	008509
Twist Drill Bit DIN 338 C05 PREMIUMline	3.3 mm	36 mm	65 mm	5	008511
Twist Drill Bit DIN 338 C05 PREMIUMline	3.5 mm	39 mm	70 mm	5	008512
Twist Drill Bit DIN 338 C05 PREMIUMline	4 mm	43 mm	75 mm	5	008513
Twist Drill Bit DIN 338 C05 PREMIUMline	4.1 mm	43 mm	75 mm	1/5	011742



Metal drills

Title	Ø	Working Length	Length	PU Piece	Article No.
Twist Drill Bit DIN 338 C05 PREMIUMline	4.2 mm	43 mm	75 mm	5	008514
Twist Drill Bit DIN 338 C05 PREMIUMline	4.5 mm	47 mm	80 mm	5	008515
Twist Drill Bit DIN 338 C05 PREMIUMline	5.1 mm	52 mm	86 mm	3	008518
Twist Drill Bit DIN 338 C05 PREMIUMline	5.2 mm	52 mm	86 mm	3	008519
Twist Drill Bit DIN 338 C05 PREMIUMline	6.5 mm	63 mm	101 mm	1/3	008523
Twist Drill Bit DIN 338 C05 PREMIUMline	6.8 mm	69 mm	109 mm	1/3	008525
Twist Drill Bit DIN 338 C05 PREMIUMline	7.5 mm	69 mm	109 mm	3	008527
Twist Drill Bit DIN 338 C05 PREMIUMline	9.5 mm	81 mm	125 mm	1/3	008531
Twist Drill Bit DIN 338 C05 PREMIUMline	13 mm	101 mm	151 mm	1	008541

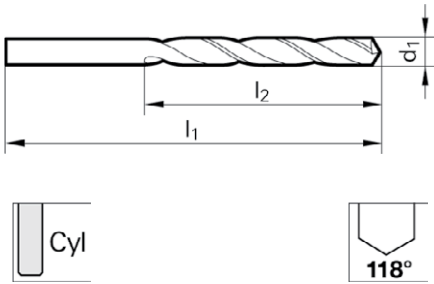
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Drill DIN 338 HSCO UNIVERSAL

- Universal cobalt drill provides extra performance and tool life above and beyond standard high speed or general purpose cobalt drills.
- Premium cobalt 5% substrate
 - Perfect for applications where rigidity and machine horsepower are limited
- High precision grinded allow for extended look life and reduced drilling time
- Flute profiles create short, manageable chips and allows for higher speed and feed rates.
- 118° 4 facet split point geometry
 - Best self-centering
 - eliminates the need for spot drilling and reduces the thrust requirement of the tool
- Rigid core design improves rigidity of the drill and provides more accurate hole locations.
- TiN coating
 - Higher quality surface finish and extended tool life
- Perfect for aluminum applications or materials with low abrasion values
- Tension resistant steel 1200N

Application Area

- Versatile drill for many materials and different type of machine:
CNC machine - Press Drill - Power tools



- Non ferrous metals
- Common structural steels
- High tensile steels
- Stainless steels
- Cast materials

Hints

- No special re-grinding required.
- Low torque necessary.
- Cutting Speed: normal steel approx. 1.350rpm - stainless steel 600rpm

Technical Data

Material	HSS-CO 5
Point Angle	118 °

Title	Ø	Working Length	Length	PU Piece	Article No.
Drill Premium 338 RN HSCO Universal	1 mm	12 mm	34 mm	5	367348
Drill Premium 338 RN HSCO Universal	1.5 mm	18 mm	40 mm	5	367349
Drill Premium 338 RN HSCO Universal	2 mm	24 mm	49 mm	5	367350
Drill Premium 338 RN HSCO Universal	2.5 mm	30 mm	57 mm	5	367351
Drill Premium 338 RN HSCO Universal	3 mm	33 mm	61 mm	5	367352
Drill Premium 338 RN HSCO Universal	3.5 mm	39 mm	70 mm	5	367353
Drill Premium 338 RN HSCO Universal	4 mm	43 mm	75 mm	5	367354
Drill Premium 338 RN HSCO Universal	4.5 mm	47 mm	80 mm	5	367355
Drill Premium 338 RN HSCO Universal	5 mm	52 mm	86 mm	5	367356
Drill Premium 338 RN HSCO Universal	5.5 mm	57 mm	93 mm	3	367357
Drill Premium 338 RN HSCO Universal	6 mm	57 mm	93 mm	3	367358
Drill Premium 338 RN HSCO Universal	6.5 mm	63 mm	101 mm	3	367359
Drill Premium 338 RN HSCO Universal	7 mm	69 mm	109 mm	3	367360
Drill Premium 338 RN HSCO Universal	7.5 mm	69 mm	109 mm	3	367361
Drill Premium 338 RN HSCO Universal	8 mm	75 mm	117 mm	3	367362
Drill Premium 338 RN HSCO Universal	8.5 mm	75 mm	117 mm	3	367363
Drill Premium 338 RN HSCO Universal	9 mm	81 mm	125 mm	3	367364
Drill Premium 338 RN HSCO Universal	9.5 mm	81 mm	125 mm	3	367365
Drill Premium 338 RN HSCO Universal	10 mm	87 mm	133 mm	3	367366

AGR: 10.109

INTERNAL/Approved (2019-03-22 20:09:59)

Metal drills

Drill DIN 338 CO5%

- Premium cobalt 5%
 - Higher hardness
- 130° cone, split point geometry
 - Self centering
- High precision grinded
- Tension resistant steel 1200N
- Colour: bright

Application Area

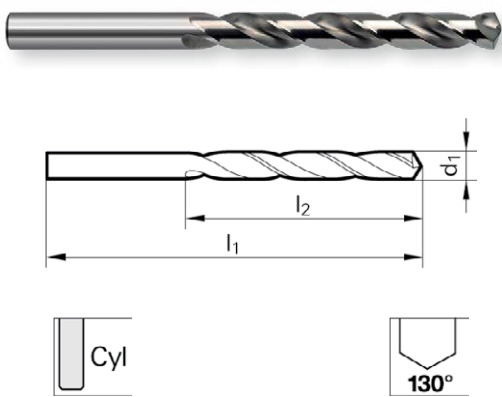
- Stainless steel and hardened steel

Processing Information

- Main usage: Press drill - Power tool - CNC Machine

Technical Data

Material	HSS-CO 5
Point Angle	130 °



Title	Ø	Working Length	Length	PU Piece	Article No.
Drill Premium 338 HSS-CO5	1 mm	12 mm	34 mm	5	367242
Drill Premium 338 HSS-CO5	1.5 mm	18 mm	40 mm	5	367243
Drill Premium 338 HSS-CO5	2 mm	24 mm	49 mm	5	367244
Drill Premium 338 HSS-CO5	2.5 mm	30 mm	57 mm	5	367245
Drill Premium 338 HSS-CO5	3 mm	33 mm	61 mm	5	367246
Drill Premium 338 HSS-CO5	3.2 mm	36 mm	65 mm	5	367247
Drill Premium 338 HSS-CO5	3.3 mm	36 mm	65 mm	5	367248
Drill Premium 338 HSS-CO5	3.5 mm	39 mm	70 mm	5	367249
Drill Premium 338 HSS-CO5	4 mm	43 mm	75 mm	5	367250
Drill Premium 338 HSS-CO5	4.1 mm	43 mm	75 mm	5	367251
Drill Premium 338 HSS-CO5	4.2 mm	43 mm	75 mm	5	367252
Drill Premium 338 HSS-CO5	4.5 mm	47 mm	80 mm	5	367253
Drill Premium 338 HSS-CO5	5 mm	52 mm	86 mm	5	367254
Drill Premium 338 HSS-CO5	5.1 mm	52 mm	86 mm	3	367255
Drill Premium 338 HSS-CO5	5.2 mm	52 mm	86 mm	3	367256
Drill Premium 338 HSS-CO5	5.5 mm	57 mm	93 mm	3	367257
Drill Premium 338 HSS-CO5	6 mm	57 mm	93 mm	3	367258

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Title	Ø	Working Length	Length	PU Piece	Article No.
Drill Premium 338 HSS-C05	6.5 mm	63 mm	101 mm	3	367259
Drill Premium 338 HSS-C05	6.8 mm	69 mm	109 mm	3	367260
Drill Premium 338 HSS-C05	7 mm	69 mm	109 mm	3	367261
Drill Premium 338 HSS-C05	7.5 mm	69 mm	109 mm	3	367262
Drill Premium 338 HSS-C05	8 mm	75 mm	117 mm	3	367263
Drill Premium 338 HSS-C05	8.5 mm	75 mm	117 mm	3	367264
Drill Premium 338 HSS-C05	9 mm	81 mm	125 mm	3	367265
Drill Premium 338 HSS-C05	9.5 mm	81 mm	125 mm	3	367266
Drill Premium 338 HSS-C05	10 mm	87 mm	133 mm	3	367267
Drill Premium 338 HSS-C05	10.2 mm	87 mm	133 mm	1	367268
Drill Premium 338 HSS-C05	10.5 mm	87 mm	133 mm	1	367269
Drill Premium 338 HSS-C05	11 mm	94 mm	142 mm	1	367270
Drill Premium 338 HSS-C05	11.5 mm	94 mm	142 mm	1	367271
Drill Premium 338 HSS-C05	12 mm	101 mm	151 mm	1	367272
Drill Premium 338 HSS-C05	12.5 mm	101 mm	151 mm	1	367273
Drill Premium 338 HSS-C05	13 mm	101 mm	151 mm	1	367274
Drill Premium 338 HSS-C05 RS 13 Ø14	14 mm	108 mm	160 mm	1	367275
Drill Premium 338 HSS-C05 RS 13 Ø15	15 mm	114 mm	169 mm	1	367276

AGR: 10.106

Set Drill DIN 338 CO5% 19 pcs Ø1-10 mm

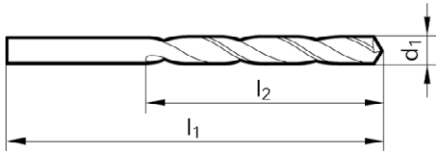
- Premium cobalt 5%
 - Higher hardness
- 130° cone, split point geometry
 - Self centering
- High precision grinded
- Tension resistant steel 1200N
- Colour: bright

Application Area

- Cast materials and hardened steel

Processing Information

- Main usage: Press drill - Power tool - CNC machine



INTERNAL/Approved (2019-03-22 20:11:07)

Metal drills

Technical Data

Material	HSS-CO 5
Point Angle	130 °



Title	Content	PU Piece	Article No.
Set Premium drill 338 HSS-CO5% Ø1-10	19 PC	1	367277

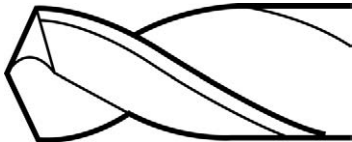
AGR: 10.107

Scope Of Supply

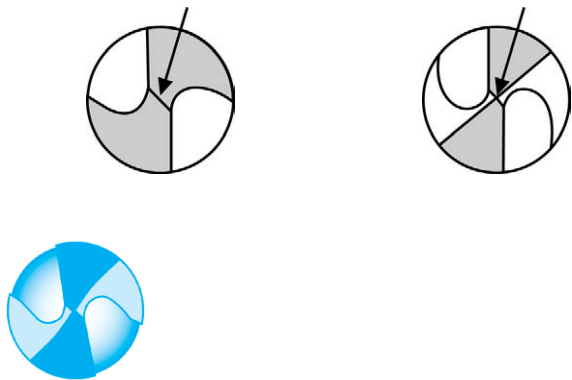
	Piece	Article No.
Drill Premium 338 HSS-CO5 1 mm	1	367242
Punta Premium 338 CO5 1.5 mm	1	367243
Drill Premium 338 HSS-CO5 2 mm	1	367244
Drill Premium 338 HSS-CO5 2.5 mm	1	367245
Drill Premium 338 CO5 3 mm	1	367246
Drill Premium 338 HSS-CO5 3.5 mm	1	367249
Drill Premium 338 HSS-CO5 4 mm	1	367250
Drill Premium 338 HSS-CO5 4.5 mm	1	367253
Drill Premium 338 HSS-CO5 5 mm	1	367254
Drill Premium 338 HSS-CO5 5.5 mm	1	367257
Drill Premium 338 CO5 6 mm	1	367258
Drill Premium 338 CO5 6.5 mm	1	367259
Drill Premium 338 CO5 7 mm	1	367261
Drill Premium 338 CO5 7.5 mm	1	367262
Drill Premium 338 CO5 8 mm	1	367263
Drill Premium 338 CO5 8.5 mm	1	367264
Drill Premium 338 CO5 9 mm	1	367265
Drill Premium 338 CO5 9.5 mm	1	367266
Drill Premium 338 HSS-CO5 10 mm	1	367267

Twist Drill DIN 338 Cobalt CO8%

- Material: HSS-E with 8 % Cobalt share
- Polished section: 130° split point
- Cobalt alloy guarantees high temperature strength, tool life and hardness
- Grinded finish for high level of accuracy



- Cross polished section enables direct drilling without prior center punching, even on curves, low feed force, faster drilling rate and very good chip evacuation
- Entire working length can be re-ground several times
- Narrow outer Ø prevents seizure in the work piece
- Core Ø increases towards the shank to offer high stability and high resistance to impacts and side forces



Application Area

- Universal use for hand and box column drilling machines, turning machines and automated turning machines
- Even use hard and ductile materials (see application overview)

Processing Information

- At hard and tough materials and those which are difficult to machine, the drill has to be cooled, greased and should be used at small rotational speed

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling

Technical Data

Material	HSS-CO 8
Point Angle	130 °

Title	Ø	Working Length	Length	PU Piece	Article No.
Twist Drill Bit DIN 338 CO8 PREMIUMline	3.3 mm	36 mm	65 mm	1/5	008551
Twist Drill Bit DIN 338 CO8 PREMIUMline	3.5 mm	39 mm	70 mm	1/5	008552
Twist Drill Bit DIN 338 CO8 PREMIUMline	4.2 mm	43 mm	75 mm	1/5	008554
Twist Drill Bit DIN 338 CO8 PREMIUMline	4.5 mm	47 mm	80 mm	1/5	008555
Twist Drill Bit DIN 338 CO8 PREMIUMline	6.5 mm	63 mm	101 mm	1/3	008562
Twist Drill Bit DIN 338 CO8 PREMIUMline	9 mm	81 mm	125 mm	1/3	008568
Twist Drill Bit DIN 338 CO8 PREMIUMline	9.5 mm	81 mm	125 mm	1/3	008570
Twist Drill Bit DIN 338 CO8 PREMIUMline	10 mm	87 mm	133 mm	1/3	008572
Twist Drill Bit DIN 338 CO8 PREMIUMline	10.2 mm	87 mm	133 mm	1	008573
Twist Drill Bit DIN 338 CO8 PREMIUMline	11 mm	94 mm	142 mm	1	008574

AGR: 10.106

INTERNAL/Approved (2019-03-22 20:11:33)

Metal drills

Drill DIN 338 CO8%

- Robust drill due to the very hard material of the head
- Premium cobalt 8%
 - Higher hardness
- 135° cone, split point geometry
 - Self centering
- High precision grinded
- Tension resistant steel 1400N
- Colour: bronze

Application Area

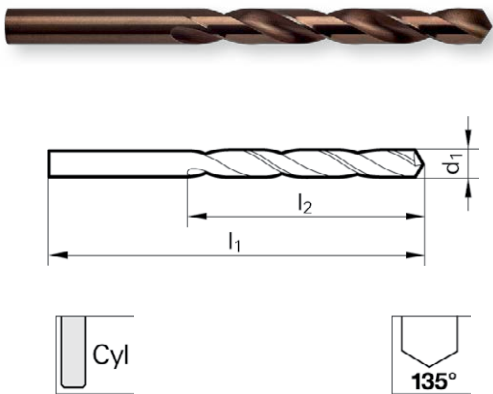
- Cast materials and hardened steel

Processing Information

- Main usage: Press drill - Power tool - CNC machine

Technical Data

Material	HSS-CO 8
Point Angle	135 °



Title	Ø	Working Length	Length	PU Piece	Article No.
Drill Premium 338 HSS-CO8	1 mm	12 mm	34 mm	5	367278
Drill Premium 338 HSS-CO8	1.5 mm	18 mm	40 mm	5	367279
Drill Premium 338 HSS-CO8	2 mm	24 mm	49 mm	5	367280
Drill Premium 338 HSS-CO8	2.5 mm	30 mm	57 mm	5	367281
Drill Premium 338 HSS-CO8	3 mm	33 mm	61 mm	5	367282
Drill Premium 338 HSS-CO8	3.3 mm	36 mm	65 mm	5	367283
Drill Premium 338 HSS-CO8	3.5 mm	39 mm	70 mm	5	367284
Drill Premium 338 HSS-CO8	4 mm	43 mm	75 mm	5	367285
Drill Premium 338 HSS-CO8	4.2 mm	43 mm	75 mm	5	367286
Drill Premium 338 HSS-CO8	4.5 mm	47 mm	80 mm	5	367287
Drill Premium 338 HSS-CO8	5 mm	52 mm	86 mm	5	367288
Drill Premium 338 HSS-CO8	5.2 mm	52 mm	86 mm	3	367289
Drill Premium 338 HSS-CO8	5.5 mm	57 mm	93 mm	3	367290
Drill Premium 338 HSS-CO8	6 mm	57 mm	93 mm	3	367291
Drill Premium 338 HSS-CO8	6.5 mm	63 mm	101 mm	3	367292
Drill Premium 338 HSS-CO8	7 mm	69 mm	109 mm	3	367293
Drill Premium 338 HSS-CO8	7.5 mm	69 mm	109 mm	3	367294

INTERNAL/Approved (2019-03-22 20:12:15)

Title	Ø	Working Length	Length	PU Piece	Article No.
Drill Premium 338 HSS-C08	8 mm	75 mm	117 mm	3	367295
Drill Premium 338 HSS-C08	8.5 mm	75 mm	117 mm	3	367296
Drill Premium 338 HSS-C08	9 mm	81 mm	125 mm	3	367297
Drill Premium 338 HSS-C08	9.5 mm	81 mm	125 mm	3	367298
Drill Premium 338 HSS-C08	10 mm	87 mm	133 mm	3	367299
Drill Premium 338 HSS-C08	10.2 mm	87 mm	133 mm	1	367300
Drill Premium 338 HSS-C08	10.5 mm	87 mm	133 mm	1	367301
Drill Premium 338 HSS-C08	11 mm	94 mm	142 mm	1	367302
Drill Premium 338 HSS-C08	11.5 mm	94 mm	142 mm	1	367303
Drill Premium 338 HSS-C08	12 mm	101 mm	151 mm	1	367304
Drill Premium 338 HSS-C08	12.5 mm	101 mm	151 mm	1	367305
Drill Premium 338 HSS-C08	13 mm	101 mm	151 mm	1	367306

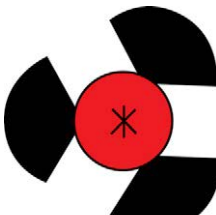
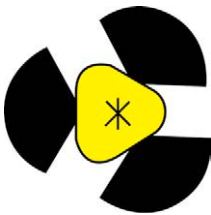
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Bullet Drill Bit DIN 338 PREMIUMline

- Material: HSS
- Polished section: 135° split point
- Built-in center drill in the bullet-pointed drill from Ø 5.0 mm prevents from running during drilling, offers 30% faster drilling rate (in comparison with conventional drills) at reduced effort, creates more drillings per charge produces precise, burr free drillings without center punching
- 3-flank-shank diameter from 5.0 mm enables optimum power transfer due to frictional and postive tightening of the drill bit and prevents slipping on the drill shaft
- Strong reinforced drill core from Ø 3.3 mm for higher bending stress and 30-50% higher tensile strength
- The lettering applied can also be read outside the clamping range in a tensioned condition

Application Area

- Network and cordless drills operated by hand, not suitable for pillar drills



Metal drills

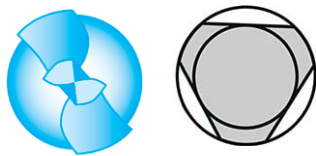
- Ideal for drilling sheet metal materials and thin-walled profiles

Processing Information

- Cooling and greasing increases the service life

Hints

- Apply Berner's Drilling and Cutting Oil (Art.No. 911371) to cool while drilling
- The drills less than 5 mm do not have a bullet shape grinding



Technical Data

MaterialHSS

Title	Ø	Working Length	Length	PU Piece	Article No.
Bullet Drill Bit similar to DIN 338	3 mm	33 mm	61 mm	5	008476
Bullet Drill Bit sim. DIN 338	3.3 mm	36 mm	65 mm	5	008477
Bullet Drill Bit similar to DIN 338	3.5 mm	39 mm	70 mm	5	008479
Bullet Drill Bit similar to DIN 338	4 mm	43 mm	75 mm	5	008480
Bullet Drill Bit similar to DIN 338	4.2 mm	43 mm	75 mm	5	008481
Bullet Drill Bit similar to DIN 338	4.5 mm	46 mm	80 mm	5	008482
Bullet Drill Bit similar to DIN 338	5 mm	46 mm	86 mm	5	008483
Bullet Drill Bit similar to DIN 338	5.5 mm	57 mm	93 mm	3	008484
Bullet Drill Bit similar DIN 338	6 mm	57 mm	93 mm	3	008485
Bullet Drill Bit similar to DIN 338	6.5 mm	58 mm	101 mm	3	008486
Bullet Drill Bit similar to DIN 338	6.8 mm	66 mm	109 mm	3	008487
Bullet Drill Bit similar to DIN 338	7 mm	66 mm	109 mm	3	008488
Bullet Drill Bit similar to DIN 338	7.5 mm	66 mm	109 mm	3	008489
Bullet Drill Bit similar to DIN 338	8 mm	72 mm	117 mm	3	008490
Bullet Drill Bit similar to DIN 338	8.5 mm	72 mm	117 mm	3	008491
Bullet Drill Bit similar to DIN 338	9 mm	78 mm	125 mm	3	008492
Bullet Drill Bit sim. to DIN 338	9.5 mm	78 mm	125 mm	3	008493
Bullet Drill Bit similar to DIN 338	10 mm	84 mm	133 mm	3	008494
Bullet Drill Bit similar to DIN 338	10.5 mm	84 mm	133 mm	1	008495
Bullet Drill Bit similar to DIN 338	11 mm	91 mm	142 mm	1	008496
Bullet Drill Bit similar to DIN 338	11.5 mm	91 mm	142 mm	1	008497
Bullet Drill Bit sim. to DIN 338	12 mm	98 mm	151 mm	1	008498
Bullet Drill Bit similar to DIN 338	12.5 mm	98 mm	151 mm	1	008499

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Title	Ø	Working Length	Length	PU Piece	Article No.
Bullet Drill Bit similar to DIN 338	13 mm	98 mm	151 mm	1	008500

AGR: 10.104

Assorted Bullet Drill Bits DIN 338 15pcs
PREMIUMline

Scope Of Delivery

- 15 bullet drill bits ranging in size from 3.0 – 10.0 mm in 0.5 mm increments
- Supplied in a handy metal case

Title	Content	PU Assortment	Article No.
Asstd Bullet Drill Bits PREMIUMline 3-10mm	15 PC	1	008501

AGR: 10.105

Scope Of Supply

	Piece	Article No.
Bullet Drill Bit similar to DIN 338 PREMIUMline 3 mm	1	008476
Bullet Drill Bit similar to DIN 338 PREMIUMline 3,5 mm	1	008479
Bullet Drill Bit similar to DIN 338 PREMIUMline 4 mm	1	008480
Bullet Drill Bit similar to DIN 338 PREMIUMline 4,5 mm	1	008482
Bullet Drill Bit similar to DIN 338 PREMIUMline 5 mm	1	008483
Bullet Drill Bit similar to DIN 338 PREMIUMline 5,5 mm	1	008484
Bullet Drill Bit similar to DIN 338 PREMIUMline 6 mm	1	008485
Bullet Drill Bit similar to DIN 338 PREMIUMline 6,5 mm	1	008486
Bullet Drill Bit similar to DIN 338 PREMIUMline 7 mm	1	008488
Bullet Drill Bit similar to DIN 338 PREMIUMline 7,5 mm	1	008489
Bullet Drill Bit similar to DIN 338 PREMIUMline 8 mm	1	008490
Bullet Drill Bit similar to DIN 338 PREMIUMline 8,5 mm	1	008491
Bullet Drill Bit similar to DIN 338 PREMIUMline 9 mm	1	008492
Bullet Drill Bit similar to DIN 338 PREMIUMline 9,5 mm	1	008493
Bullet Drill Bit similar to DIN 338 PREMIUMline 10 mm	1	008494



INTERNAL/Approved (2019-03-22 20:12:57)

Left-Handed Drill TIN Similar to DIN 1897
CO6,5 PREMIUMline



Metal drills

- TIN (titanium nitride) coating ensures long life, improved sliding properties, excellent heat dissipation and low tendency to cold welding
- Cobalt alloy guarantees high temperature strength, tool life and hardness
- Grinded finish for high level of accuracy
- Cross polished section enables direct drilling without prior center punching, safe star of drilling even on curves, low feed force, faster drilling rate



Application Area

- Hand and stand drill machines with anti-clockwise rotation
- Especially for counterboring of broken screws and studs to quality 10.9

Processing Information

- Tool life can be increased with cooling and lubrication
- For fitness quality 10.9 cool with oil and lubricate
- Run on machine to the left

Technical Data

Material	HSS-E
Point Angle	130 °

Title	Ø	Working Length	Length	PU Piece	Article No.
DRILL PREMIUM 338 TIN LE. 3,0	3 mm	18 mm	46 mm	1	167411
DRILL PREMIUM 338 TIN LE. 4,0	4 mm	18 mm	51 mm	1	167412
DRILL PREMIUM 338 TIN LE. 6,0	6 mm	28 mm	65 mm	1	167413
DRILL PREMIUM 338 TIN LE. 7,0	7 mm	36 mm	73 mm	1	167414

AGR: 10.106

INTERNAL/Approved (2019-03-22 20:13:05)

Left-Handed Drill TIN Bits 4 part set Similar to DIN 1897 **PREMIU**line

Characteristics

- Delivered in practical wooden case

Title	PU Assortment	Article No.
DRILL SET PREMIUM 338 TIN 4PC.	1	165389

AGR: 10.106

Scope Of Supply	Piece	Article No.
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 3 mm	1	167411
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 4 mm	1	167412
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 6 mm	1	167413
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 7 mm	1	167414



Set Drill DIN 338 CO8% 19 pcs Ø1-10 mm

- Robust drill due to a very strong web thickness
- Premium cobalt 8%
 - Higher hardness
- 135° cone, split point geometry
 - Self centering
- Tension resistant steel 1400N
- Colour: bronze

Application Area

- Cast materials and hardened steel

Processing Information

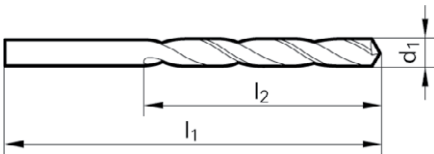
- Main usage: Press drill - Power tool - CNC machine

Hints

- No special re-grinding required
- Low torque necessary

Technical Data

Material	HSS-CO 8
Point Angle	135 °



Metal drills

Title	Content	PU Assortment	Article No.
SET PREMIUM 338 CO8 19 PC 1-10	19 PC	1	367307

AGR: 10.107

Scope Of Supply

	Piece	Article No.
Drill Premium 338 HSS-CO8 1 mm	1	367278
Drill Premium 338 HSS-CO8 1.5 mm	1	367279
Drill Premium 338 HSS-CO8 2 mm	1	367280
Drill Premium 338 HSS-CO8 2.5 mm	1	367281
Drill Premium 338 HSS-CO8 3 mm	1	367282
Drill Premium 338 HSS-CO8 3.5 mm	1	367284
Drill Premium 338 HSS-CO8 4 mm	1	367285
Drill Premium 338 HSS-CO8 4.5 mm	1	367287
Drill Premium 338 HSS-CO8 5 mm	1	367288
Drill Premium 338 HSS-CO8 5.5 mm	1	367290
Drill Premium 338 HSS-CO8 6 mm	1	367291
Drill Premium 338 HSS-CO8 6.5 mm	1	367292
Drill Premium 338 HSS-CO8 7 mm	1	367293
Drill Premium 338 HSS-CO8 7.5 mm	1	367294
Drill Premium 338 HSS-CO8 8 mm	1	367295
Drill Premium 338 HSS-CO8 8.5 mm	1	367296
Drill Premium 338 HSS-CO8 9 mm	1	367297
Drill Premium 338 HSS-CO8 9.5 mm	1	367298
Drill Premium 338 HSS-CO8 10 mm	1	367299

Step Drill HSS Uncoated

- Chamfer zone enables drilling and mutual burring to the next diameter without changing tools
- Spiral chip flute guarantees very small effort, clean cut and quick chip flow (little skid marks on varnished sheets)
- Automatic chamfering and burring beca

Application Area

- Suitable for sheel metal forming
- For drilling of cylindrical holes in material up to 4 mm strength without rattling

Processing Information

- Cooling and lubricating increases the service life



Edge breaker



Title	Drilling range	Length	Shaft Ø	Number Of Hole Diameter	PU Piece	Article No.
Step drill HSS uncoated	4 - 12 mm	54 mm	6 mm	9 PC	1	631930
Step drill HSS uncoated	4 - 20 mm	67 mm	8 mm	9 PC	1	881163
Step drill HSS uncoated	6 - 30 mm	96 mm	10 mm	13 PC	1	881180
Step drill HSS uncoated	6 - 36 mm	81 mm	12 mm	11 PC	1	881198

AGR: 10.192

Metal drills

HSS-Step-Drill 7-32,5 mm

- Drill bit with split point
- Edge breaker
- Variable helical groove

Application Area

- HSS step drill with helical groove and edge breaker zone (DBGM) cover the whole spectrum of housing apertures of the new norm M 12 to M 32
- The step drills have in each case a short (3 mm) drill setting for cable passages in thin-walled housings (wall thickness max. 2 mm) as well as a long (6 mm) drill setting for tapping drill holes in distribution cabinets (wall thickness max. 3-5.5 mm)

Hints

- Step drill for cable screws



Title	Drilling range	Length	Shaft Ø	Number Of Hole Diameter	PU Piece	Article No.
HSS Step-Drill cable glands	7 - 32.5 mm	96 mm	12 mm	11 PC	1	219315

AGR: 10.192

6

Stepped Drill HSS Box Set 3pcs

- Chamfer zone enables drilling and mutual burring without changing tools
- Spiral chip flute guarantees very small effort, clean cut and quick chip flow (little skid marks on varnished sheets)
- Automatic chamfering and burring
- No dimensional check necessary because of readable bore diameters in the chip flute
- Due to split point, there is no punch-marking and pre-drilling necessary (even at curves)



INTERNAL/Approved (2019-03-22 20:13:40)

- With trihedral shaft

Application Area

- Suitable for sheel metal forming
- For drilling of cylindrical holes in material up to 4 mm strength without rattling

Processing Information

- Cooling and lubricating increases the service life

Scope Of Delivery

- Sizes in the set: 4-12 mm, 4-20 mm and 6-30 mm

Title	PU Set	Article No.
Stepped Drill HSS Set 3pcs	1	219314
AGR: 10.192		
Scope Of Supply	Piece	Article No.
Step drill HSS uncoated 4-12 mm size 9	1	631930
Step drill HSS uncoated 4-20 mm size 1	1	881163
Step drill HSS uncoated 4-30 mm size 2	1	881180



Edge Breaker

Step Drills HSS TiAlN-Coated

- Edge breaker zone makes drilling and mutual deburring possible without tool changes
- TiAlN (titanium nitride aluminium) coating ensures long life and high surface hardness and enables dry processing due to low friction
- ROTASTOP[®] shank prevents slipping in the chuck and provides optimal power transfer
- Spiral chip-groove guarantees a low force, clean cut and fast chip removal (barely any scratch marks on painted sheets)
- Automatic chamfering and deburring by the phase to the next larger diameter
- No need to re-measure due to readable drilling diameter in the chip-groove
- Lasered speed recommendations for steel and stainless steel
- Split point with no center punching and no drilling required (even on curves)



ROTASTOP



Metal drills

Application Area

- Drilling of sheet, profiles and pipes up to 5 mm material thickness of structural steel, nonferrous metal, stainless steel or plastics
- Double-sided sheet deburring at up to 1.5 mm material thickness
- For core holes and through holes of cable tube fittings M 12 x 1.5 / M 16 x 1.5 / M 20 x 1.5 / M 25 x 1.5 / M 32 x 1.5 (size 7 - 32.5)

Processing Information

- Do not use coolants and lubricants (the TiAlN coating is not necessary, it would destroy the coating)
- Speed: Steel 200 - 500 1/min, Stainless steel 100-250 1/min



Title	Drilling range	Length	Shaft Ø	Number Of Hole Diameter	PU Piece	Article No.
Step Drills TiAlN	4 - 12 mm	80 mm	6 mm	9 PC	1	171318
Step Drills TiAlN	4 - 20 mm	67 mm	8 mm	9 PC	1	171319
Step Drills TiAlN	6 - 30 mm	98 mm	10 mm	13 PC	1	171320
Step Drills TiAlN for cable glands	7 - 32.5 mm	96 mm	12 mm	11 PC	1	171321

AGR: 10.192

Blue Box

- Practical tool assortment for the professional user in industry and trade

Application Area

- Stepped drill
- Countersink
- Hand taps



INTERNAL/Approved (2019-03-22 20:13:46)

Hints

- Content:
- 1x Art. 219314 Stepped drill assortment 4-12, 4-20, 6-30 mm 3-piece
- 1x Art. 218883 Countersink set 90° 6,3, 8,3, 10,4, 12,4, 16,5, 20,5 mm, 6-piece
- 1x Art. 932491 Hand taps set M3-M12, 15-piece

Scope Of Delivery

- Step drill set 4-12, 4-20, 6-30 mm, 3 pieces (Art.-No. 219314)
- Countersink set 90° 6,3, 8,3, 10,4, 12,4, 16,5, 20,5 mm, 6 pieces (Art.-No. 218883)
- Hand taps set M3-M12, 15 pieces (Art.-No. 932491)

Title	PU Box	Article No.
Blue Box	1	249525

AGR: 10.192

Scope Of Supply	Amount	Article No.
Stepped Drill HSS Box Set 3pcs	1	219314
Countersink DIN 335 HSS-E Cassette	1	218883
Thread Tapping Assortment	1	932491



Conical Drill Bits Unidrill

- Large drill-Ø range with only one tool possible
- High-performance drill with cross-joint guarantees centering, drilling and burr-free drilling without deformation with thin-walled material
- Hard surface of over 1000 HV by Tenifer coating
- Low wear, improved service life and a significant reduction in the number of superstructures
- Straight, smooth and infinitely precise cutting allow precise drilling
- Ø marking on the drill for drilling Ø detection during the drilling process

Application Area

- All common forms of thin-walled metals and plastics
- Hand drills and box column drills and automatic drills

Characteristics

- Normal length with graduated top

Processing Information

- Cooling and lubricating increases the service life



Title	Drilling range	Shaft Ø	Length	PU Piece	Article No.
Conical Drill Bits	3 - 14 mm	6 mm	58 mm	1	046809
Conical Drill Bits	4 - 20 mm	8 mm	71 mm	1	046817
Conical Drill Bits	16 - 30.5 mm	9 mm	76 mm	1	046825
Conical Drill Bits	24 - 40 mm	10 mm	89 mm	1	110035
Conical Drill Bits	36 - 50 mm	12 mm	97 mm	1	146250

AGR: 10.191

Conical Drill Bits Long Unidrill

- Even a larger drilling diameter range is possible with only one tool
- High-performance drill bit with cross grinding guarantees centering, drilling and burr-free drilling without deformation of thin-walled material
- Hard surface of over 1,000 HV
- Low wear, improved tool life and a significant reduction in built-up edges
- Straight, smooth and stepless precise cutting edges allow dimensionally accurate boring
- Ø mark on the drill for drilling Ø detection during the drilling process
- Long special size without level

Characteristics

- Long special size without step



Title	Drilling range	Shaft Ø	Length	PU Piece	Article No.
Conical Drill Bits Long Unidrill	4 - 31 mm	10 mm	104.6 mm	1	046841

AGR: 10.191

Conical drill bit set

- Large drill-Ø range with only one tool
- High-performance drill with cross-joint guarantees centering, drilling and burr-free drilling without deformation with thin-walled material
- Hard surface of over 1000 HV
- Low wear, improved service life and a significant reduction in the number of superstructures
- Straight, smooth and infinitely precise cutting allows precise drilling



INTERNAL/Approved (2019-03-22 20:14:02)

Metal drills

- Ø marking on the drill for drilling Ø detection during the drilling process
- Practical complete set of drill Ø 3 - 30.5 mm
- Cutting material: HSS, tenifer treated
- Lowering angle: 20 °
- Number of blades: 2

Application Area

- All current, thin-walled metals and plastics
- Hand and stand boring machines and vending machines

Processing Information

1. Plate Drill
2. Insert drill and drill plate
3. Apply Berner's drilling and cutting paste

Hints

- Cooling and lubrication increases the service life considerably



Metal drills



Title	PU Set	Article No.
Conical Drill Bit Set	1	113859
AGR: 10.191		
Scope Of Supply	Piece	Article No.
Conical Drill Bits 8 mm	1	046817
Conical Drill Bits 6 mm	1	046809
Conical Drill Bits 9 mm	1	046825

Screw Puncher

- Quick, clean and burr-free perforation
- No clamping of the stamping part
- Only small deformation at the punched sheet metal part because of a 3-point cutting geometry
- No bending of the traction bold due to a improved overlay
- Precise adjustment of the punched hole because of a cross hair notch on the sheet hole template
- Quick, easy, clean and burr-free punching of thin-walled materials
- Improved overlay because of a 3-point first cut, therefore less deformation of the punched-out parts

Application Area

- Die-cuts stainless steel, iron, aluminium, copper and brass sheets as well as plastic, hard masonite, rubber, leather, VA sinks, fuse boxes, body parts, control cabinets, distribution boxes, dashboards
- Suitable for steel sheets , stainless steel sheets, non-ferrous metals and light metals, plastics

Processing Information

- (1) Drill hole with Ø 11 mm
- (2) Place the punch below the sheet, set the perforating die on the sheet and pre-install it with the attached clamp screw
- (3) Tighten the clamp screw with wrench SW 17 mm, until the complete plate punching machine can be removed from the material which should be perforated
- (4) Clean and burr-free hole
- Cooling and lubricating increases the service life substantially



Title	Hole Ø	Ø dilling hole	Wrench Width	PU Piece	Article No.
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Metal drills

SCR.HOLES 22.5 MM 2.1869	22.5 mm	11 mm	17 mm	1	138158
SCR.HOLES 32 MM 2.1832	32 mm	13 mm	19 mm	1	188395
SCR.HOLES 35 MM 2.1835	35 mm	13 mm	19 mm	1	138163
SCR.HOLES 40 MM	40 mm	13 mm	19 mm	1	084320

AGR: 10.196





Hand Hole Cutter PG

Title	Hole Ø	PU Piece	Article No.
HAND HOLE CUTTER Ø 35	-	1	207057
HAND HOLE CUTTER PG9 15.2	15.2 mm	1	207116
HAND HOLE CUTTER ISO16 16.5	16.5 mm	1	207111
HAND HOLE CUTTER PG11 18.6	18.6 mm	1	207115
HAND HOLE CUTTER PG13 20.4	20.4 mm	1	207114
HAND HOLE CUTTER ISO 20 20.5	20.5 mm	1	207110
HAND HOLE CUTTER PG116 22.5	22.5 mm	1	207113
HAND HOLE CUTTER ISO 25 25.5	25.5 mm	1	207109
HAND HOLE CUTTER PG21 28.3	28.3 mm	1	207112
HAND HOLE CUTTER ISO 32 32.5	32.5 mm	1	207058

AGR: 03.500

Set 3 Hand Hole Cuter Electrician

Title	PU Set	Article No.
SET 3HAND HOLE CUT ELECTRICIAN	1	207056

AGR: 03.500



INTERNAL/Approved (2019-03-22 20:14:25)

Metal drills

Set 2 Hand Hole Cut Plumbers

Title	PU Set	Article No.
SET 2HAND HOLE CUT PLUMBERS AGR: 03.500	1	207055



Universal Milling Drill Bit HSS

- Drilling and milling possible with one tool
- Can be used for Ø from 6.0 mm, slots, free form shapes, etc.
- Split point ensures drilling without center punching

Application Area

- For thin sheets of metal or plastic (up to max. 1.2 mm in thickness)
- Hand drill machines

Processing Information

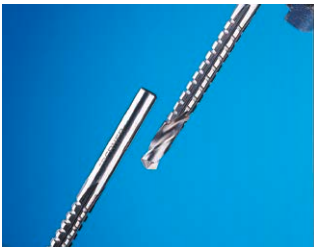
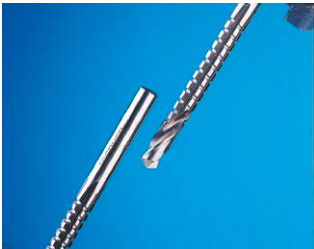
- First drill the workpiece with the drillbit, afterwards mill the workpiece with sideward movements
- Optimal rotational speed 1200 1/min

Hints

- Firstly drill using the drill bit piece, then mil through lateral movement

Technical Data

Material	Steel
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6

Title	Ø	Working Length	Length	PU Piece	Article No.
Universal-Milling Drill Bit	6.35 mm	50 mm	88 mm	1	047236

AGR: 10.190

INTERNAL/Approved (2019-03-22 20:14:37)

Welding Spot Drill Bit

- Tapered core thickness guarantees higher stability

Application Area

- Reboring of welding spots on a car body with conventional sheet steel
- For use in a three-jaw-chuck drilling machine

Technical Data

Material HSS-E



Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Drill Bit	6 mm	66 mm	28 mm	1/10	631922
Welding Spot Drill Bit	8 mm	79 mm	37 mm	1/10	232777

AGR: 10.193

Welding Spot Drill Bit "Plus"

- Graded drill bit head able to recognize the drilling depth at 1.1mm (Mark of the large Ø) and prevents accidental drilling through and angled drilling

Application Area

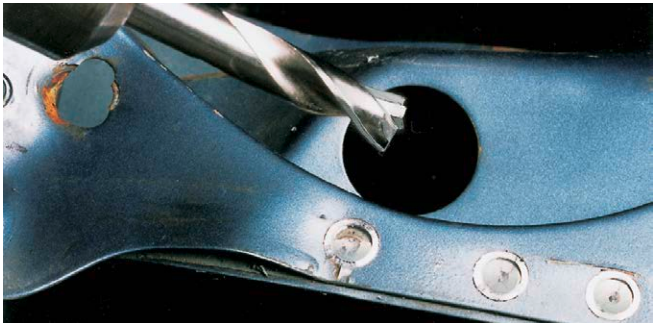
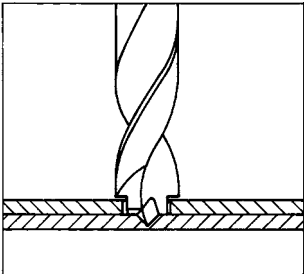
- Reboring of welding spots on a car body with conventional sheet steel
- For use in a three-jaw-chuck drilling machine

Hints

- Rotation speed 800 – 1000 1/min

Technical Data

Material HSS



Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Drill Bit "Plus"	10 mm	85 mm	42 mm	1	724270

AGR: 10.193

Metal drills

Welding Spot Drill Co5-TiCN

- Extremely high precision
- Burr-free drilling without marking

Application Area

- In order to bore out welding spots and to drill thin-walled workpieces

Processing Information

- Spot weld drill Co5-TiCN 44 mm (Art.-No. 088637) suitable for air compressed devices
- Weld point drill Co5-TiCN 80 mm (Item No. 088638) suitable for hand drills



6

Title	Ø	Length	Working Length	PU Piece	Article No.
WELD.SPT.DRILL 8X44 CO5-TICN	8 mm	44 mm	21 mm	1	088637
WELD.SPT.DRILL 8X80 CO5-TICN	8 mm	80 mm	40 mm	1	088638

AGR: 10.193

INTERNAL/Approved (2019-03-22 20:14:53)

Welding Spot Drill "Double Drill"

- Can be used on both sides
- Grinded driving plane prevents slipping in the three-jaw-chuck

Application Area

- Reboring of welding spots on a car body with conventional sheet steel
- For use in a three-jaw-chuck drilling machine

Hints

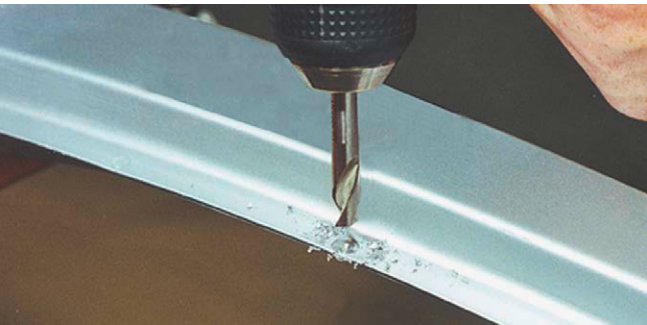
- Rotation speed 800 - 1000 1/min

Technical Data

Material	HSS-E
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Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Drill "Double Drill"	8 mm	70 mm	45 mm	1	162814

AGR: 10.193

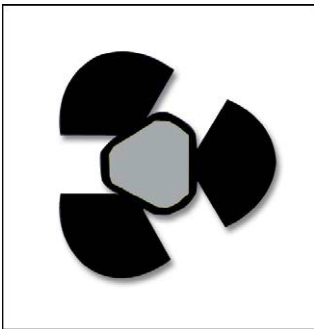


Welding Spot Drill Bit "Solid Carbide"

- 3-blade geometry in solid carbide guarantees the reboring of high-strength welding spots
- Fire-coating enables a very long tool life
- Wide tip for stable and precise centering
- 3-plane shaft for universal usage in drilling machines or compressed-air devices
- No slippage in a three-jaw-chuck

Application Area

- Reboring welding spots on a car body with high-strength sheet steel i.e. with DaimlerChrysler, BMW, Opel, Porsche, Audi, Honda, Volvo, Peugeot, Citroën etc.
- Universally used in compressed air-welding spot milling machines e.g. Berner type DL5023, DL5035, Spitznagel drill machines, Wieländer and Schill drill machines or all other machines with a three-jaw-chuck drilling machines



INTERNAL/Approved (2019-03-22 20:15:00)

Metal drills

Processing Information

- Please note the solid carbide is due to its high strength very brittle and can become unservicable if used incorrectly.
- Set drill bit precisely and at a right angle.
- Firstly center the drill bit set, then drill (Do not implement a spinning drill bit in a pre-drilled welding spot) .
- Uniform contact pressure
- Uniform speed to max. 1800 1 / min, Attention: When you reduce 10mm drill speed to 800 1 / min
- 10 mm drill bit cool all 3 hole with drilling and cutting oil
- Avoid interrupted cut
- Avoid knock down
- Do not poke drill laterally and do not drop

Technical Data

Material				HW/CT	
Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Drill Bit	8 mm	45 mm	25 mm	1	001316
AGR: 10.193					

6

Welding Spot Drill Bit Set for Compressed Air Machines

- Matching drill bit for conventional, and high-strength sheet steel
- Wood box to protect from damage and for careful storage of the drill bits

Application Area

- Specially for use in compressed air-welding spot milling
- machines e.g. Berner DL5023, DL5035, Spitznagel-drill machines, Wieländer and Schill Vario drill machines



Title	PU Piece	Article No.
WELDINGSPOTDRILLERSET AIRTOOL	1	001552
AGR: 10.193		
Scope Of Supply	Piece	Article No.
Welding Spot Miller DL 5023/1 45 mm long	1	724262
Welding Spot Drill Bit "Solid Carbide" 8 mm	1	001316

INTERNAL/Approved (2019-03-22 20:15:03)

Welding Spot Drill Bit Set for Drilling Machines

- Matching drill bit for conventional, and high-strength sheet steel. Wood box to protect from damage and for careful storage of the drill bits

Application Area

- For all three-jaw-chuck drilling machines

Title	PU Piece	Article No.
WELDINGSPOTDRILLERSET DRILL	1	001553
AGR: 10.193		
Scope Of Supply	Piece	Article No.
Welding Spot Drill Bit "Solid Carbide" 8 mm	1	001316
(512222_12_1_AT01_SchweipunktbohrerDouble)	1	-

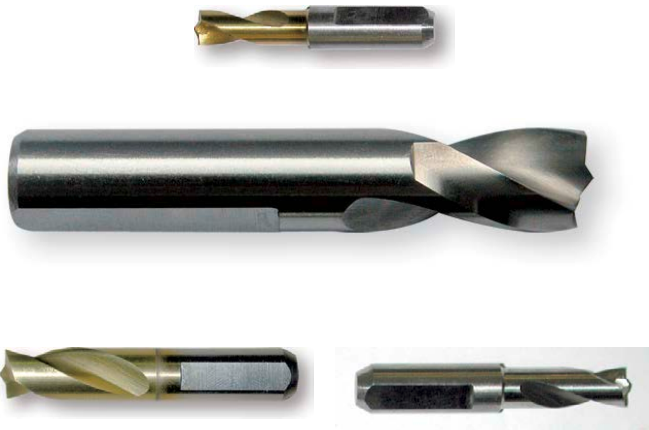


Spot Welding Drill

- Holding fixture: Round shaft with clamping surface
- 2 blades

Application Area

- Milling of welding spots on vehicle bodies at common steel sheets
- Especially for the use in compressed air spot weld cutters Berner DL5023, DL5035, point nail drill machines and the Wieländer & Schill Vario-Drill



Technical Data

Technical Data

Material: HSS-E

Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Miller DL 5023/1	8 mm	79 mm	37 mm	1	724262

AGR: 10.190

INTERNAL/Approved (2019-03-22 20:15:09)

Metal drills

Welding Spot Miller

Application Area

- Reaming of spot welds on the vehicle body in the conventional steel sheets
- DL 5011/1: Specially designed for use in compressed air-Spot weld cutter Berner DL5011 and various other devices
- RD 215/1: Specially designed for use in compressed air-spot weld cutters of Pneutec, RD 215/1

Technical Data

Material	Steel
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Title	Ø	Length	Working Length	PU Piece	Article No.
Welding Spot Miller RD 215/1	8 mm	34 mm	20 mm	1	349186
Welding Spot Miller DL5011/1	8 mm	50 mm	30 mm	1	413488

AGR: 10.190

6 Welding Spot Milling Drill Bit

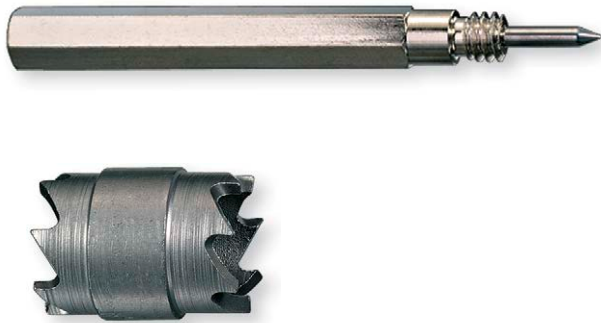
- Separate drilling tip guarantees reliable centering on uneven welds
- Double sided crown bit
- Interchangeable centering bit and crown

Application Area

- Milling welding spots on panels and structures of vehicle bodies
- Suitable for use in 3 jaw chuck drills

Processing Information

- Speed approx. 800 Rpm



Title	Ø	Length	Working Length	PU Piece	Article No.
Centering Pin	2.5 mm	30 mm	13 mm	1	047279
Point Milling Shank with Tip	8 mm	72 mm	60 mm	1	113921
Point Milling Crown	10 mm	13 mm	3 mm	1	129666
POINT MILL CUTT.COMPL.2.1600	10 mm	72 mm	3 mm	1	129674

AGR: 10.193

INTERNAL/Approved (2019-03-22 20:15:14)

Core drill HSS STANDARDline

- Quality drill made from HSS steel

Application Area

- For drilling of through holes in steel up to 900 N / mm ²

Hints

- Continuous cooling during the entire drilling process is recommended and increases the service life of the drilling tool enormously.
- For drilling Ø 12 - 15 mm, punching is necessary.



Title	Ø	Working Length	Length	PU Piece	Article No.
Core Drill Standardline	12 mm	30 mm	63 mm	1	053762
Core Drill Standardline	14 mm	30 mm	63 mm	1	053764
Core Drill Standardline	16 mm	30 mm	63 mm	1	053766
Core Drill Standardline	18 mm	30 mm	63 mm	1	053768
Core Drill Standardline	20 mm	30 mm	63 mm	1	053770
Core Drill Standardline	22 mm	30 mm	63 mm	1	053772
Core Drill Standardline	24 mm	30 mm	63 mm	1	053774
Core Drill Standardline	26 mm	30 mm	63 mm	1	053777
Core Drill Standardline	28 mm	30 mm	63 mm	1	053779
Core Drill Standardline	30 mm	30 mm	63 mm	1	053781
Core Drill Standardline	32 mm	30 mm	63 mm	1	053783

AGR: 10.197

INTERNAL/Approved (2019-03-22 20:15:23)

Metal drills

Core Drill HSS TiAlN

- TiAlN coating for the highest service life, also with insufficient greasing e. g. overhead application
- Diameter optimised cutting edge geometries enable an immediant centring, calm run and quick cut at optimal chip flow
- Shaft for all machines with Weldon holding fixtures



Application Area

- For the drilling of through holes in steel and stainless steel up to 1200 N/mm²

Title	Ø	Working Length	Length	PU Piece	Article No.
COREDRILL HSS TIALN 12X30MM	12 mm	30 mm	63 mm	1	056188
COREDRILL HSS TIALN 14X30MM	14 mm	30 mm	63 mm	1	056189
COREDRILL HSS TIALN 16X30MM	16 mm	30 mm	63 mm	1	056190
COREDRILL HSS TIALN 18X30MM	18 mm	30 mm	63 mm	1	056191
COREDRILL HSS TIALN 20X30MM	20 mm	30 mm	63 mm	1	056192
COREDRILL HSS TIALN 22X30MM	22 mm	30 mm	63 mm	1	056193
COREDRILL HSS TIALN 24X30MM	24 mm	30 mm	63 mm	1	056194
COREDRILL HSS TIALN 26X30MM	26 mm	30 mm	63 mm	1	056195
COREDRILL HSS TIALN 28X30MM	28 mm	30 mm	63 mm	1	056196
COREDRILL HSS TIALN 30X30MM	30 mm	30 mm	63 mm	1	056197
COREDRILL HSS TIALN 32X30MM	32 mm	30 mm	63 mm	1	056198

AGR: 10.197

Guide Pin



Title	Ø	Length	PU Piece	Article No.
EJECTOR PIN 6,35X123	6.35 mm	123 mm	1	056201
EJECTOR PIN 6,35X77	6.35 mm	77 mm	1	056200

AGR: 02.003

INTERNAL/Approved (2019-03-22 20:15:29)

Adapter Quick-IN/Weldon

- Adapter with Quick-IN for core drills with Weldon-shaft

Application Area

- Magnetic drills

Hints

- For the insert of the adapter Quick-IN/Weldon, a long guide pin (123 mm) should be used



Title	PU Piece	Article No.
ADAPTER QUICK-IN/WELDON SHANK	1	056203

AGR: 02.003

Drill chuck with taper fitting

Application Area

- Magnetic drills and box column drills

Hints

- Taper mandrel with MK2-shaft for drill chuck (Art.-No. 056206)



Title	PU Piece	Article No.
TOOLHOLDER MK2 FOR DRILL CHUCK	1	056205

AGR: 02.003

INTERNAL/Approved (2019-03-22 20:15:38)

Drill Chuck

No.	Title	PU Piece	Article No.
01	DRILL CHUCK MK2 Ø 3,0-16,0MM	1	056206

AGR: 02.003



Quick clamp adapter Easy Lock

- Enables a very quick exchange of drills without tools

Application Area

- Magnetic drills and box column drills

Characteristics

- Easy lock with MK2-shaft and internal cooling

Hints

- For core drills with Weldon-shaft



Title	PU Piece	Article No.
EASYLOCK COOL MORSE TAP MK 2	1	056199

AGR: 02.003

WBC (AT01) Cooling Bottle

Title	PU Piece	Article No.
COOLING BOTTLE 500ML	1	056207

AGR: 02.003



Hand Tap Set DIN 352

- 3pcs set (front, center precutting and finishing)
- For metric ISO - thread DIN 13

Application Area

- To cut internal threads for through holes and blind holes

Characteristics

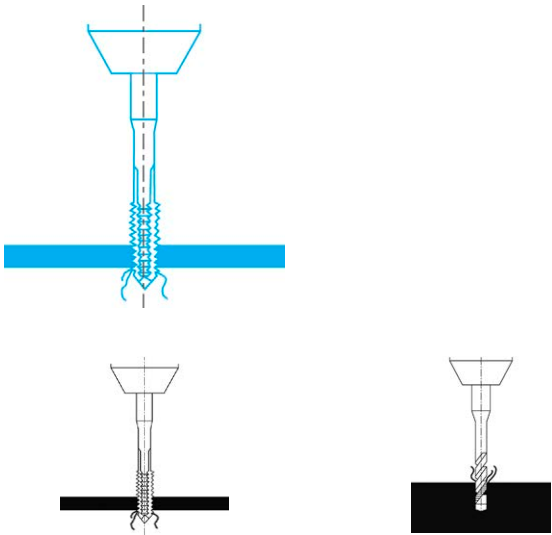
- Metric standard thread, material HSS

Hints

- M3-M12 in toolmaker design

Scope Of Delivery

- Consisting of roughing tap, second tap and last tap



Title	Nominal dimension	Pitch	Length	Core Hole	PU Amount	Article No.
Hand Tap Set	M 3	0.5 mm	40 mm	2.5 mm	1	045730
Hand Tap Set	M 4	0.7 mm	45 mm	3.3 mm	1	045748
Hand Tap Set	M 5	0.8 mm	50 mm	4.2 mm	1	045756
Hand Tap Set	M 6	1 mm	50 mm	5 mm	1	045764
Hand Tap Set	M 7	1 mm	50 mm	6 mm	1	045772
Hand Tap Set	M 8	1.25 mm	56 mm	6.8 mm	1	045780
Hand Tap Set	M 9	1.25 mm	63 mm	7.75 mm	1	006170
Hand Tap Set	M 10	1.5 mm	70 mm	8.5 mm	1	045802
Hand Tap Set	M 12	1.75 mm	75 mm	10.2 mm	1	045810
Hand Tap Set	M 14	2 mm	80 mm	12 mm	1	045829

INTERNAL/Approved (2019-03-22 20:15:56)

Title	Nominal dimension	Pitch	Length	Core Hole	PU Amount	Article No.
Hand Tap Set	M 16	2 mm	80 mm	14 mm	1	045837
Hand Tap Set	M 18	2.5 mm	95 mm	15.5 mm	1	223212
Hand Tap Set	M 20	2.5 mm	95 mm	17.5 mm	1	223743
DIN 352 SET HSS M 22	M 22	2.5 mm	100 mm	19.5 mm	1	223751
DIN 352 SET HSS M 24	M 24	3 mm	110 mm	21 mm	1	223760
TAP HLE-SET 352 HSS M 27	M 27	3 mm	110 mm	24 mm	1	186921
TAP HLE-SET 352 HSS M 30	M 30	3.5 mm	125 mm	26.5 mm	1	186922

AGR: 10.140

Hand tap set DIN 352 vaporized

Application Area

- To cut internal threads for through holes and blind holes
- VA materials and stainless steels

Characteristics

- Metric standard thread

Hints

- Roughing tap with guiding pins
- M3-M12 in toolmaker design

Scope Of Delivery

- Consisting of roughing tap, second tap and last tap



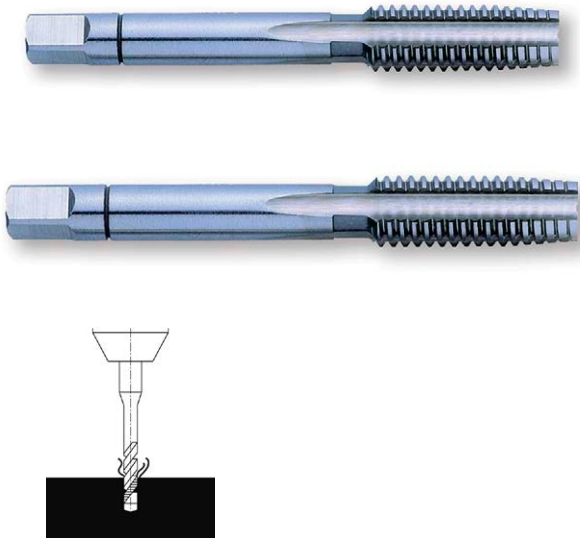
Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE-SET 352 HSS-E M 3 VA	M 3	0.5 mm	40 mm	2.5 mm	1	186923
TAP HLE-SET 352 HSS-E M 4 VA	M 4	0.7 mm	45 mm	3.3 mm	1	186924
TAP HLE-SET 352 HSS-E M 5 VA	M 5	0.8 mm	50 mm	4.2 mm	1	186925
TAP HLE-SET 352 HSS-E M 6 VA	M 6	1 mm	50 mm	5 mm	1	186926
TAP HLE-SET 352 HSS-E M 8 VA	M 8	1.25 mm	56 mm	6.75 mm	1	186927

Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE-SET 352 HSS-E M 10 VA	M 10	1.5 mm	70 mm	8.5 mm	1	186928
TAP HLE-SET 352 HSS-E M 12 VA	M 12	1.75 mm	75 mm	10.25 mm	1	186929
TAP HLE-SET 352 HSS-E M 14 VA	M 14	2 mm	80 mm	12 mm	1	186930
TAP HLE-SET 352 HSS-E M 16 VA	M 16	2 mm	80 mm	14 mm	1	186931
TAP HLE-SET 352 HSS-E M 18 VA	M 18	2.5 mm	95 mm	15.5 mm	1	186932
TAP HLE-SET 352 HSS-E M 20 VA	M 20	2.5 mm	95 mm	17.5 mm	1	186933

AGR: 10.140

Hand Tap - Roughing Tap DIN 352



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Roughing Tap	M 3	0.5 mm	40 mm	2.5 mm	1	045365
Roughing Tap	M 4	0.7 mm	45 mm	3.3 mm	1	045373
Roughing Tap	M 5	0.8 mm	50 mm	4.2 mm	1	045381
Roughing Tap	M 6	1 mm	50 mm	5 mm	1	045390
Roughing Tap	M 8	1.25 mm	56 mm	6.75 mm	1	045411
DRILL PRE-CUTTER 352 HSS M 9	M 9	1.25 mm	63 mm	7.75 mm	1	045420
Roughing Tap	M 10	1.5 mm	70 mm	8.5 mm	1	045438
Roughing Tap	M 12	1.75 mm	75 mm	10.25 mm	1	045446
Roughing Tap	M 14	2 mm	80 mm	12 mm	1	045454
Roughing Tap	M 16	2 mm	80 mm	14 mm	1	045462
Roughing Tap	M 18	2.5 mm	95 mm	15.5 mm	1	223778
Roughing Tap	M 20	2.5 mm	95 mm	17.5 mm	1	223786
DIN 352 PRE-CUTTER HSS M22	M 22	2.5 mm	100 mm	19.5 mm	1	223794
DIN 352 PRE-CUTTER HSS M24	M 24	3 mm	110 mm	21 mm	1	223808

AGR: 10.140

INTERNAL/Approved (2019-03-22 20:16:22)

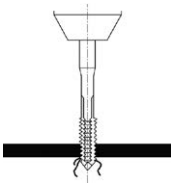
Hand Tap - Second Tap DIN 352

Application Area

- through holes
- Non-ferrous metals and steels up to 700 N / mm²

Characteristics

- Metric control thread, HSS material



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Second Tap	M 3	0.5 mm	40 mm	2.5 mm	1	045470
Second Tap	M 4	0.7 mm	45 mm	3.3 mm	1	045489
Second Tap	M 5	0.8 mm	50 mm	4.2 mm	1	045497
Second Tap	M 6	1 mm	50 mm	5 mm	1	045500
Second Tap	M 7	1 mm	50 mm	6 mm	1	045519
Second Tap	M 8	1.25 mm	56 mm	6.75 mm	1	045527
Second Tap	M 9	1.25 mm	63 mm	7.75 mm	1	045535
Second Tap	M 10	1.5 mm	70 mm	8.5 mm	1	045543
Second Tap	M 12	1.75 mm	75 mm	10.25 mm	1	045551
Second Tap	M 14	2 mm	80 mm	12 mm	1	045560
Second Tap	M 16	2 mm	80 mm	12 mm	1	045578
Second Tap	M 18	2.5 mm	95 mm	15.5 mm	1	223816
Second Tap	M 20	2.5 mm	95 mm	17.5 mm	1	223824
Second Tap	M 22	2.5 mm	100 mm	19.5 mm	1	223832
Second Tap	M 24	3 mm	110 mm	21 mm	1	223956

AGR: 10.140

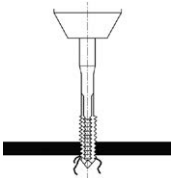
Hand Tap - Last Tap DIN 352

Application Area

- through holes
- Non-ferrous metals and steels up to 700 N / mm²

Characteristics

- Metric control thread, HSS material



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Last Tap	M 3	0.5 mm	40 mm	2.5 mm	1	045586
Last Tap	M 4	0.7 mm	45 mm	3.3 mm	1	045594
Last Tap	M 5	0.8 mm	50 mm	4.2 mm	1	045608
Last Tap	M 6	1 mm	50 mm	5 mm	1	045616
DRILL FIN CUT 352 HSS M 7	M 7	1 mm	50 mm	6 mm	1	045624
Last Tap	M 8	1.25 mm	56 mm	6.75 mm	1	045632
DRILL FIN CUT 352 HSS M 9	M 9	1.25 mm	63 mm	7.75 mm	1	045640
Last Tap	M 10	1.5 mm	70 mm	8.5 mm	1	045659
Last Tap	M 12	1.75 mm	75 mm	10.25 mm	1	045667
Last Tap	M 14	2 mm	80 mm	12 mm	1	045675
Last Tap	M 16	2 mm	80 mm	14 mm	1	045683
DIN 352 FINISH CUT HSS M18	M 18	2.5 mm	95 mm	15.5 mm	1	224006
Last Tap	M 20	2.5 mm	95 mm	17.5 mm	1	224022
DIN 352 FINISH CUT HSS M22	M 22	2.5 mm	100 mm	19.5 mm	1	224030
DIN 352 FINISH CUT HSS M24	M 24	3 mm	110 mm	21 mm	1	224170

AGR: 10.140

Hand Tap - Set DIN 2181

Application Area

- For cutting internal threads for through and blind holes



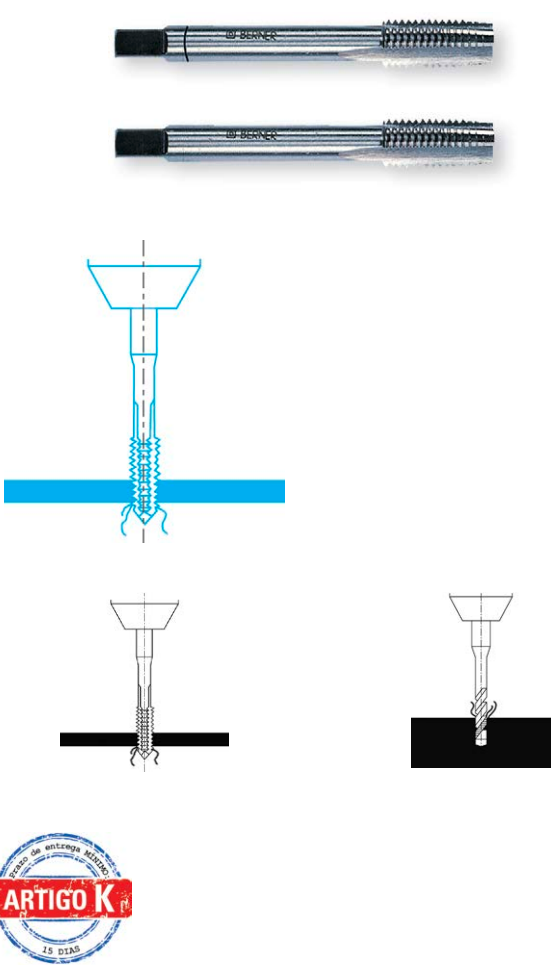
Thread taps / threading dies

Characteristics

- Standard metric threads, material HSS

Scope Of Delivery

- Consisting of roughing and last tap



6

Title	Nominal dimension	Pitch	Length	Core Hole	PU Amount	Article No.
Hand Tap Set	MF 6	0.75 mm	50 mm	5.35 mm	1	224189
TAP HLE-SET 2181 HSS M 8*0.75	MF 8	0.75 mm	50 mm	7.25 mm	1	224286
Hand Tap Set	MF 8	1 mm	56 mm	7 mm	1	045870
Hand Tap Set	MF 10	1 mm	63 mm	9 mm	1	045845
Hand Tap Set	MF 10	1.25 mm	70 mm	8.8 mm	1	540676
Hand Tap Set	MF 12	1 mm	70 mm	11 mm	1	224294
Hand Tap Set	MF 12	1.25 mm	70 mm	10.8 mm	1	540684
Hand Tap Set	MF 12	1.5 mm	70 mm	10.5 mm	1	045861
Hand Tap Set	MF 14	1.25 mm	70 mm	12.8 mm	1	224340
Hand Tap Set	MF 14	1.5 mm	70 mm	12.5 mm	1	045888
Hand Tap Set	MF 16	1.5 mm	70 mm	14.5 mm	1	045853
Hand Tap Set	MF 18	1.5 mm	80 mm	16.5 mm	1	224359
Hand Tap Set	MF 20	1.5 mm	80 mm	18.5 mm	1	193712
Hand Tap Set	MF 22	1.5 mm	80 mm	20.5 mm	1	224367

INTERNAL/Approved (2019-03-22 20:16:46)

Title	Nominal dimension	Pitch	Length	Core Hole	PU Amount	Article No.
Hand Tap Set	MF 24	1.5 mm	90 mm	22.5 mm	1	224383

AGR: 10.140

Hand tap set DIN 5157 BSP Whitworth thread (G)

Application Area

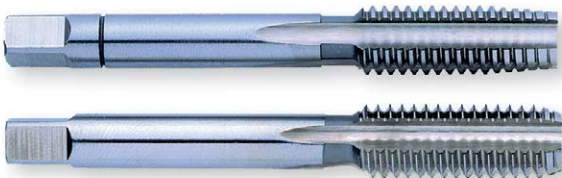
- To cut internal threads for through holes and blind holes

Characteristics

- BSP Whitworth pipe thread (G)

Scope Of Delivery

- Consisting of roughing and last tap



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE-SET 5157 HSS 1"X11"	BSP 1 "	11 mm	100 mm	30.5 mm	1	186950
TAP HLE-SET 5157 HSS 1/2"X14	BSP 1/2 "	14 mm	80 mm	19 mm	1	186948
TAP HLE-SET 5157 HSS 3/4"X14	BSP 3/4 "	14 mm	90 mm	24.5 mm	1	186949
TAP HLE-SET 5157 HSS 1/4"X19	BSP 1/4 "	19 mm	70 mm	11.8 mm	1	186946
TAP HLE-SET 5157 HSS 3/8"X19	BSP 3/8 "	19 mm	70 mm	15.3 mm	1	186947
TAP HLE-SET 5157 HSS 1/8"X28	BSP 1/8 "	28 mm	63 mm	8.8 mm	1	186945

AGR: 10.140

Hand tap set DIN 2184 BSW Whitworth thread

Application Area

- To cut internal threads for through holes and blind holes

Characteristics

- BSW Whitworth thread

Scope Of Delivery

- Consisting of roughing tap, second tap and last tap



INTERNAL/Approved (2019-03-22 20:16:48)

Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
"TAP HLE-SET 2184 HSS 1"" x 8"	BSW 1 "	8 mm	110 mm	22 mm	1	186944
"TAP HLE-SET 2184 HSS 7/8"" x	BSW 7/8 "	9 mm	100 mm	19.5 mm	1	186943
"TAP HLE-SET 2184 HSS 3/4"" x	BSW 3/4 "	10 mm	95 mm	16.5 mm	1	186942
"TAP HLE-SET 2184 HSS 5/8"" x	BSW 5/8 "	11 mm	80 mm	13.5 mm	1	186941
"TAP HLE-SET 2184 HSS 1,2"" x	BSW 1/2 "	12 mm	75 mm	10.5 mm	1	186939
"TAP HLE-SET 2184 HSS 9/16"" x	BSW 9/16 "	12 mm	80 mm	12 mm	1	186940
"TAP HLE-SET 2184 HSS 7/16"" x	BSW 7/16 "	14 mm	75 mm	9.3 mm	1	186938
"TAP HLE-SET 2184 HSS 3/8"" x	BSW 3/8 "	16 mm	70 mm	7.9 mm	1	186937
"TAP HLE-SET 2184 HSS 5/16"" x	BSW 5/16 "	18 mm	56 mm	6.5 mm	1	186936
"TAP HLE-SET 2184 HSS 1/4"" x	BSW 1/4 "	20 mm	56 mm	5.1 mm	1	186935
"TAP HLE-SET 2184 HSS 1/8""	BSW 1/8 "	40 mm	40 mm	2.6 mm	1	186934

AGR: 10.140

Hand tap set DIN 352 UNC coarse thread

Application Area

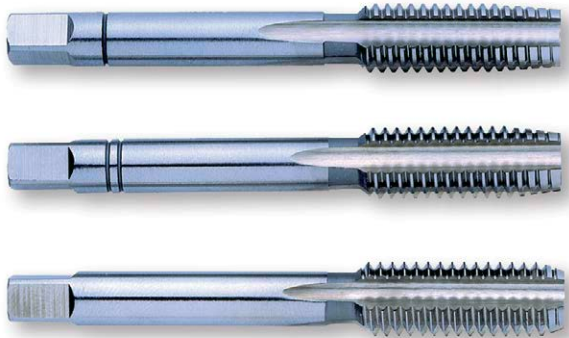
- To cut internal threads for through holes and blind holes

Characteristics

- UNC coarse thread

Scope Of Delivery

- Consisting of roughing tap, second tap and last tap



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE-SET 352 HSS UNC1"x8"	UNC 1 "	8 mm	110 mm	22.3 mm	1	186960
TAP HLE-SET 352 HSS UNC7/8"x9	UNC 7/8 "	9 mm	100 mm	19.5 mm	1	186959
TAP HLE-SET 352 HSS UNC3/4"x10	UNC 3/4 "	10 mm	95 mm	16.5 mm	1	186958
TAP HLE-SET 352 HSS UNC5/8"x11	UNC 5/8 "	11 mm	80 mm	13.5 mm	1	186957
TAP HLE-SET352 HSS UNC9/12"x12	UNC 9/16 "	12 mm	80 mm	12.3 mm	1	186956
TAP HLE-SET352 HSS UNC1/2"x13	UNC 1/2 "	13 mm	75 mm	10.8 mm	1	186955
TAP HLE-SET 352HSS UNC7/16"x14	UNC 7/16 "	14 mm	75 mm	9.4 mm	1	186954
TAPHLE-SET 352 HSS UNC3/8"x16	UNC 3/8 "	16 mm	70 mm	8 mm	1	186953
TAP HLE-SET352 HSS UNC5/16"x18	UNC 5/16 "	18 mm	56 mm	6.6 mm	1	186952
TAP HLE-SET 352 HSS UNC1/4"x20	UNC 1/4 "	20 mm	56 mm	5.2 mm	1	186951

AGR: 10.140

Thread taps / threading dies

Hand tap set DIN 2181 UNF fine thread

Application Area

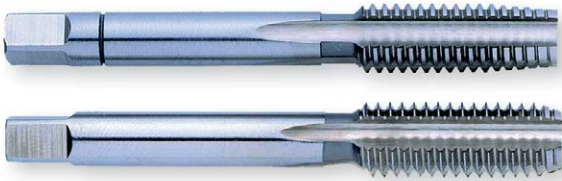
- To cut internal threads for through holes and blind holes

Characteristics

- For UNF fine thread

Scope Of Delivery

- Consisting of roughing and last tap



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
"TAP HLE-SET2181 HSS UNF1""X12	UNF 1 "	12 mm	100 mm	23.5 mm	1	186970
"TAP HLE-SET2181HSS UNF7/8"X14	UNF 7/8 "	14 mm	90 mm	20.5 mm	1	186969
"TAP HLE-SET2181HSS UNF3/4"X16	UNF 3/4 "	16 mm	80 mm	17.5 mm	1	186968
"TAP HLE-SET2181HSS UNF5/8"X18	UNF 5/8 "	18 mm	70 mm	14.6 mm	1	186967
TAP HLE-SET2181HSSUNF9/12"X18	UNF 9/16 "	18 mm	70 mm	13 mm	1	186966
TAP HLE-SET2181HSS UNF7/16"X20	UNF 7/16 "	20 mm	63 mm	9.9 mm	1	186964
TAP HLE-SET2181HSS UNF1/2"X20	UNF 1/2 "	20 mm	70 mm	11.5 mm	1	186965
TAP HLE-SET2181HSS UNF3/8"X24	UNF 3/8 "	24 mm	56 mm	8.5 mm	1	186963
TAP HLE-SET 2181 HSS UNF5/16""	UNF 5/16 "	24 mm	56 mm	6.9 mm	1	186962
TAP HLE-SET 2181HSS UNF1/4"X28	UNF 1/4 "	28 mm	50 mm	5.5 mm	1	186961

AGR: 10.140

Single Cut Tap DIN 352 Type B

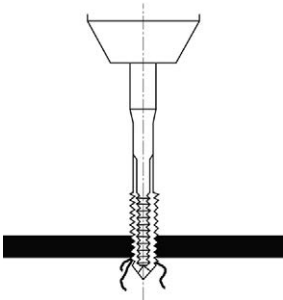
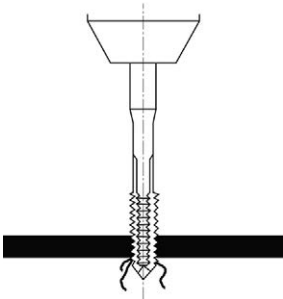
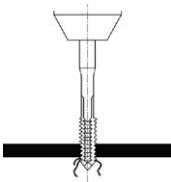
- A transitional hand / machine tap short, form B
- For metric ISO - thread DIN 13
- With continuous shaft
- 5-course spiral point

Application Area

- To drill through holes
- Non-ferrous metals and steels up to 700 N/mm²

Characteristics

- Metric standard thread, material HSS



INTERNAL/Approved (2019-03-22 20:17:20)

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 352 Type B	M 3	0.5 mm	40 mm	2.5 mm	1/10	046850

Thread taps / threading dies

Single Cut Screw Tap DIN 352 Type C

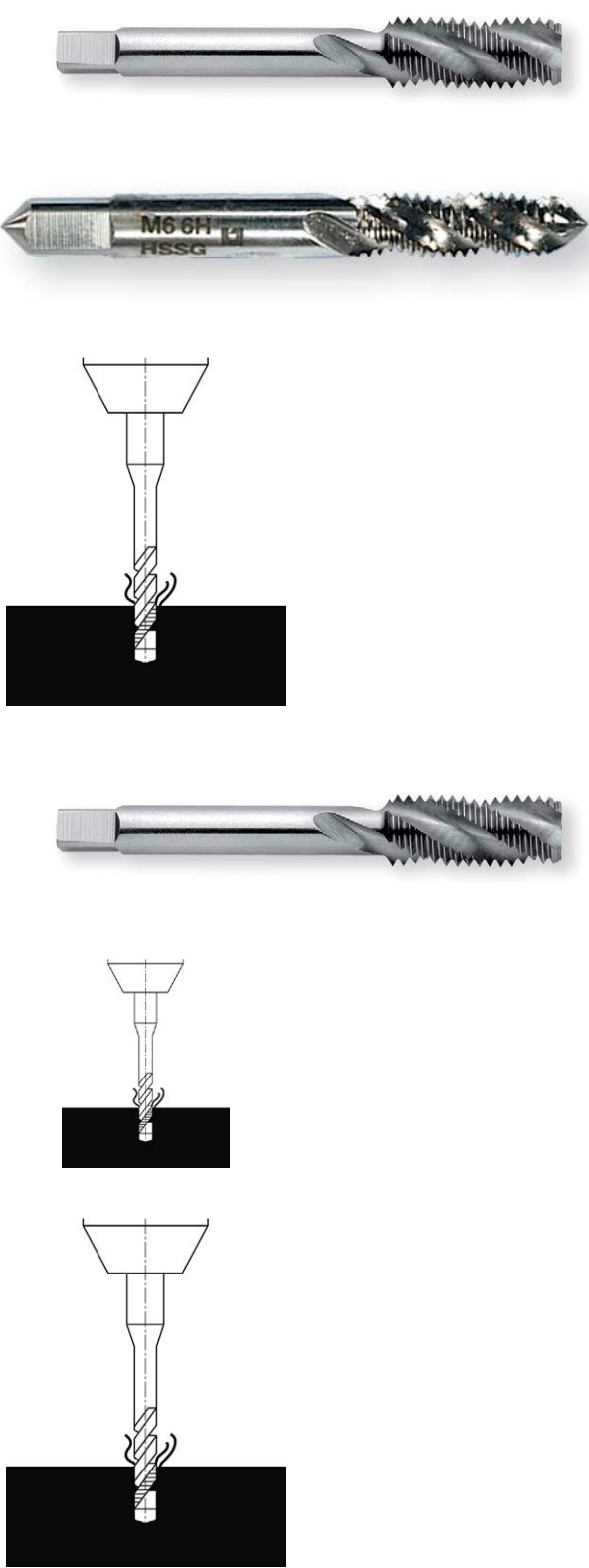
- 2-speed gate for blind holes
- short version

Application Area

- Blind holes
- Nonferrous metals and steel up to 700 N/mm²

Characteristics

- Metric coarse thread, material HSS, right-hand laid chip flute 35 °



6

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
SGLE CUT TAP HLE 352C HSS M 3	M 3	0.5 mm	40 mm	2.5 mm	1	224413

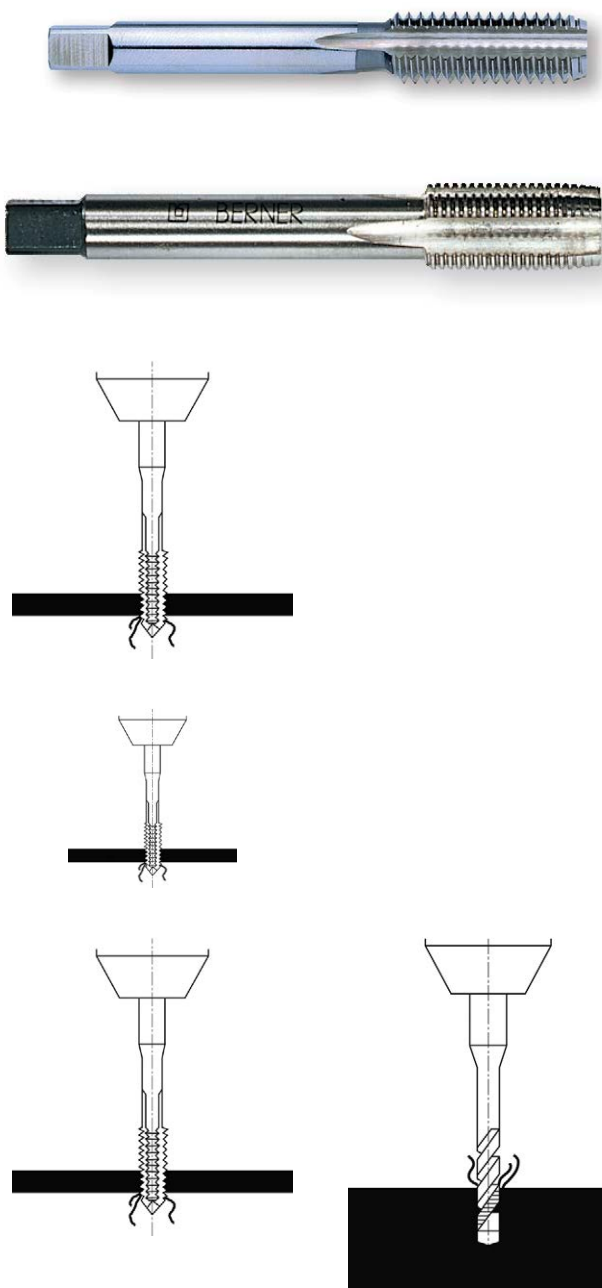
Single Cut Screw Tap DIN 352 Type B

Application Area

- Through hole operations
- Nonferrous metals and steel up to 700 N / mm²

Characteristics

- Metric coarse thread, material HSS-E



6

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Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Screw Tap DIN 352 Type B	G 1 "	11 mm	100 mm	30.5 mm	1	224677
Single Cut Screw Tap DIN 352 Type B	G 1/2 "	14 mm	80 mm	19 mm	1	224642
Single Cut Screw Tap DIN 352 Type B	G 3/4 "	14 mm	90 mm	24.5 mm	1	224650
Single Cut Screw Tap DIN 352 Type B	G 1/4 "	19 mm	70 mm	11.8 mm	1	224553
Single Cut Screw Tap DIN 352 Type B	G 3/8 "	19 mm	70 mm	15.3 mm	1	224626
Single Cut Screw Tap DIN 352 Type B	G 1/8 "	28 mm	63 mm	8.8 mm	1	224545

AGR: 10.141

Thread taps / threading dies

Thread tapping assortments DIN 352 HSS

- Metric, for through and blind holes
- M3 - M12, Complete, 15pcs
- For metric ISO - thread DIN 13
- One-piece hand tap
- Corresponding core hole drilling
- In plastic case
- Spiral point

Application Area

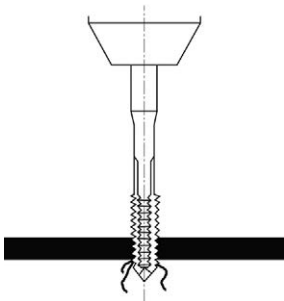
- Through bores

Characteristics

- Metric standard thread

Scope Of Delivery

- 1 cutting tap DIN 352 M3-M12
- 1 twist drill DIN 338 HSS Ø 2,5
- 3,3
- 4,2
- 5,0
- 6,8
- 8,5
- 10,2
- tap wrench size 1 1/2
- In a solid cassette



6

Title	PU Assortment	Article No.
Thread Tapping Assortment	1	932491

AGR: 10.140

Thread Cutting Assortment M3-M12 16 PCS

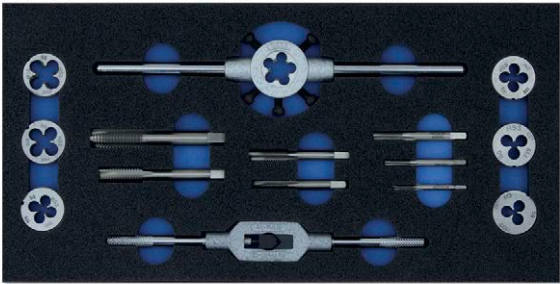
- Perfectly protected in a practical plastic case with 2-colored foam insert
- Metric rule thread

Processing Information

- Practical set for machining internal and external threads from M3 to M12

Scope Of Delivery

- Manual tap shape B DIN 352 for M3 / M4 / M5 / M6 / M8 / M10 / M12
- 1 Holder for circular dies DIN 223
- Dies for M3 / M4 / M5 / M6 / M8 / M10 / M12
- 1 Tap wrenches DIN 1814



Title	PU Piece	Article No.
TAP HLE-SET M3-M12 16-TLG	1	245415

AGR: 10.145

Thread taps / threading dies

Thread Cutting Assortment M3-M12 32 PCS

- Removable oam material inlett, for the storage in a shelve-/ garage-system
- Non-slip case and stackable

Characteristics

- Metric standard thread

Hints

- Not suitable for assortment Safe

Scope Of Delivery

- 1 hand tap DIN 352 M3-M12
- 1 adjustable tap wrench DIN 1814 size 1 and size 2
- 1 twist drill DIN 338 Ø 2.5
- 3.3
- 4.2
- 5.0
- 6.8
- 8.5
- 10.2
- Tool holder size2
- Thread gauge



6

Title	PU Assortment	Article No.
TAP HLE-SET M3-M12 32-TLG	1	187110

AGR: 10.145

Extension for Taps DIN 377

- Hardened internal and external square, both equal in size
- Suitable for taps and reamers with connecting square DIN 10

Application Area

- Extension for taps to use in hard to reach places

Characteristics

- In accordance to DIN 377, square hardened



Title	for threads	Inside Square	External Square	Length	PU Piece	Article No.
EXT.FTAP HLE 2,4	-	2.4 mm	2.4 mm	70 mm	1	187014
EXT.FTAP HLE 3/16 /4,3	BSW 3/16 "	4.3 mm	4.3 mm	105 mm	1	187017
EXT.FTAP HLE 8,0	-	8 mm	8 mm	130 mm	1	187019
EXT.FTAP HLE 10,0	-	10 mm	10 mm	140 mm	1	187021
EXT.FTAP HLE 13,0	-	13 mm	13 mm	165 mm	1	187024
EXT.FTAP HLE M 1/2,1	M 1 - M 2.6 BSW 1/16 "	2.1 mm	2.1 mm	60 mm	1	187013
Extension for taps	M 3 BSW 1/8 "	2.7 mm	2.7 mm	80 mm	1	192864
EXT.FTAP HLE M 3,5/3,0	M 3.5	3 mm	3 mm	90 mm	1	187015
Extension for taps	M 4 BSW 5/32 "	3.4 mm	3.4 mm	95 mm	1	192856
EXT.FTAP HLE M 4,5/3,8	M 4.5	3.8 mm	3.8 mm	100 mm	1	187016
Extension for taps	M 5 - M 8 BSW 7/32 " - BSW 5/16 "	4.9 mm	4.9 mm	110 mm	1	192848
Extension for taps	M 9 - M 10 G 1/8 "	5.5 mm	5.5 mm	115 mm	1	192830
EXT.FTAP HLE M 11/6,2	M 11 BSW 7/16 "	6.2 mm	6.2 mm	120 mm	1	187018
Extension for taps	M 12 BSW 1/2 "	7 mm	7 mm	125 mm	1	192821
EXT.FTAP HLE M 13-16/9,0	M 13 - M 16 G 1/4 " - G 3/8 "	9 mm	9 mm	135 mm	1	187020
EXT.FTAP HLE M 18/11,0	M 18 BSW 11/16 " - BSW 3/4 "	11 mm	11 mm	150 mm	1	187022

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Thread taps / threading dies

Title	for threads	Inside Square	External Square	Length	PU Piece	Article No.
EXT.FTAP HLE M 20/12,0	M 20 G 1/2 "	12 mm	12 mm	155 mm	1	187023
Extension for Taps DIN 377	M 22 - M 26 G 5/8 "	14.5 mm	14.5 mm	175 mm	1	187025
EXT.FTAP HLE M 27-28/16,0	M 27 - M 28 G 3/4 "	16 mm	16 mm	185 mm	1	187026
EXT.FTAP HLE M 30-32/18,0	M 30 - M 32 G 7/8 "	18 mm	18 mm	195 mm	1	187027
EXT.FTAP HLE M 33/20,0	M 33 G 1 "	20 mm	20 mm	210 mm	1	187028

AGR: 10.142

Tap Wrench DIN 1814

- For hand taps DIN 352 and 2181 with connecting square DIN 10

Application Area

- For threading in hard to reach places
With two-jaw chuck for holding square shanks

Characteristics

- In accordance to DIN 1814, adjustable, material: zinc diecasting

Hints

- The size indications refer to the use of hand taps



Title	for threads	Length	PU Piece	Article No.
Tap Wrench	M 1 - M 8 BSW 1/16 " - BSW 1/4 "	125 mm	1	245275
Tap Wrench	M 1 - M 10 BSW 1/16 " - BSW 3/8 "	180 mm	1	046680
Tap Wrench	M 1 - M 12 BSW 1/16 " - BSW 1/2 "	200 mm	1	227935
Tap Wrench	M 3.5 - M 12 BSW 5/32 " - BSW 1/2 "	280 mm	1	046698
Tap Wrench	M 5 - M 20 BSW 7/32 " - BSW 3/4 "	375 mm	1	227943
Tap Wrench	M 11 - M 27 BSW 7/16 " - BSW 1 "	500 mm	1	227960

AGR: 10.142

INTERNAL/Approved (2019-03-22 20:18:03)

Socket Wrench for Taps

Application Area

- For threading in hard to reach places
With two-jaw chuck for holding square shanks

Characteristics

- Adjustable: forward, reverse or arrest



Title	for threads	Length	PU Piece	Article No.
Socket wrench for taps	M 3 - M 10	85 mm	1	228117
Socket wrench for taps	M 5 - M 12	100 mm	1	228249
Socket wrench for taps	M 5 - M 12 G 1/8 "	300 mm	1	083330

AGR: 10.142

Screwing Die Holder

Characteristics

- According to DIN 225/EN 22568, Material: zinc die-cast



Title	Threading Die	Length	Heigth Threading Die	for threads	PU Piece	Article No.
DIE HOLDER 225 NR.0 M1-M2,6	16 mm	160 mm	5 mm	M 1 - M 2.6	1	046701
Screwing Die Holder	20 mm	200 mm	5 mm	M 3 - M 4	1	046710
Screwing Die Holder	20 mm	200 mm	7 mm	M 4.5 - M 6	1	046728
Screwing Die Holder	25 mm	224 mm	9 mm	M 7 - M 9 G 1/16 "	1	046736
Screwing Die Holder	30 mm	280 mm	11 mm	M 10 - M 11 G 1/8 "	1	046744
Screwing Die Holder	38 mm	315 mm	14 mm	M 12 - M 14	1	046752
Screwing Die Holder	38 mm	315 mm	10 mm	MF 10 - MF 15 G 1/4 "	1	129348
Screwing Die Holder	45 mm	450 mm	18 mm	M 16 - M 20	1	376736
Screwing Die Holder	45 mm	450 mm	14 mm	MF 16 - MF 20 G 3/8 " - G 1/2 "	1	227900
Screwing Die Holder	55 mm	560 mm	16 mm	MF 21 - MF 26 G 5/8 " - G 3/4 "	1	227927
Screwing Die Holder	55 mm	560 mm	22 mm	M 22 - M 24	1	227919

AGR: 10.144

INTERNAL/Approved (2019-03-22 20:18:10)

Thread taps / threading dies

Screwing Dies DIN 223 HSS Metric

- Closed with slot form B
- Spiral point for clean surface
- Good chip flow and less effort

Application Area

- Can be used for machines or manually
- Suitable for steels up to 700 N/mm²

Characteristics

- In accordance to DIN 223/EN 22568 form B, material HSS



Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
Screwing Die for Standard Thread	M 3	0.5 mm	20 mm	1	046388
Screwing Die for Standard Thread	M 4	0.7 mm	20 mm	1	046396
Screwing Die for Standard Thread	M 5	0.8 mm	20 mm	1	046400
Screwing Die for Standard Thread	M 6	1 mm	20 mm	1	046418
Screwing Die for Standard Thread	M 7	1 mm	25 mm	1	046426
Screwing Die for Standard Thread	M 8	1.25 mm	25 mm	1	046434
THREAD DIES 223B HSS M 9	M 9	1.25 mm	25 mm	1	046442
Screwing Die for Standard Thread	M 10	1.5 mm	30 mm	1	046450
Screwing Die for Standard Thread	M 12	1.75 mm	38 mm	1	046469
Screwing Die for Standard Thread	M 14	2 mm	38 mm	1	046477
Screwing Die for Standard Thread	M 16	2 mm	45 mm	1	046485
Screwing Die for Standard Thread	M 18	2.5 mm	45 mm	1	046493
Screwing Die for Standard Thread	M 20	2.5 mm	45 mm	1	046507
Screwing Dies DIN 223 HSS	M 22	2.5 mm	55 mm	1	231177
Screwing Dies DIN 223 HSS	M 24	3 mm	55 mm	1	231185
THREAD DIES 223B HSS M 27	M 27	3 mm	65 mm	1	186971

INTERNAL/Approved (2019-03-22 20:18:16)

Thread taps / threading dies

Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
THREAD DIES 223B HSS M 30	M 30	3.5 mm	65 mm	1	186972

AGR: 10.143

Circular Dies HSS-E metric fine thread

- With spiral point for a clean surface
- Good chip flow and less effort

Application Area

- Can be used for machines or automats or manually
- Dies in order to cut external threads
- Suitable for VA materials and stainless steels



6

Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
Thread Dies 223 B HSS-E	M 3	0.5 mm	20 mm	1	186973
Thread Dies 223 B HSS-E	M 4	0.7 mm	20 mm	1	186974
Thread Dies 223 B HSS-E	M 5	0.8 mm	20 mm	1	186975
Thread Dies 223 B HSS-E	M 6	1 mm	20 mm	1	186976
Thread Dies 223 B HSS-E	M 8	1.25 mm	25 mm	1	186977
Thread Dies 223 B HSS-E	M 10	1.5 mm	30 mm	1	186978
Thread Dies 223 B HSS-E	M 12	1.75 mm	38 mm	1	186979
Thread Dies 223 B HSS-E	M 14	2 mm	38 mm	1	186980
Thread Dies 223 B HSS-E	M 16	2 mm	45 mm	1	186981
Thread Dies 223 B HSS-E	M 18	2.5 mm	45 mm	1	186982
THREAD DIES 223B HSS-E M 20	M 20	2.5 mm	45 mm	1	186983

AGR: 10.143

INTERNAL/Approved (2019-03-22 20:18:28)

Metric Screwing Dies

- With spiral point end for a clean surface
- Less exertion of force

Application Area

- Can be used with a machine or by hand
- Can be used for steel up to 700 N/mm

Characteristics

- According to DIN 223 / EN 22568 Form B
- Material HSS



Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
THREAD DIES 223B HSS MF 6X0.75	MF 6	0.75 mm	20 mm	1	227099
THREAD DIES 223B HSS MF 8X0.75	MF 8	0.75 mm	20 mm	1	046566
Screwing Die for Fine Thread	MF 8	1 mm	25 mm	1	046574
Screwing Die for Fine Thread	MF 10	1 mm	30 mm	1	046582
Screwing Die for Fine Thread	MF 10	1.25 mm	30 mm	1	046590
Screwing Die for Fine Thread	MF 12	1 mm	38 mm	1	227110
Screwing Die for Fine Thread	MF 12	1.25 mm	38 mm	1	046612
Screwing Die for Fine Thread	MF 12	1.5 mm	38 mm	1	046620
Screwing Die for Fine Thread	MF 14	1 mm	38 mm	1	227285
Screwing Die for Fine Thread	MF 14	1.25 mm	38 mm	1	227340
Screwing Die for Fine Thread	MF 14	1.5 mm	38 mm	1	046647
Screwing Die for Fine Thread	MF 16	1.5 mm	45 mm	1	046655
Screwing Die for Fine Thread	MF 18	1.5 mm	45 mm	1	046663
Screwing Die for Fine Thread	MF 20	1.5 mm	45 mm	1	046671
Screwing Die for Fine Thread	MF 22	1.5 mm	55 mm	1	227358
Screwing Die for Fine Thread	MF 24	1.5 mm	55 mm	1	227366

AGR: 10.143

INTERNAL/Approved (2019-03-22 20:18:32)

Thread taps / threading dies

Circular Dies HSS UNC coarse thread

- With spiral point for a clean surface
- Good chip flow and less effort

Application Area

- Can be used for machines or manually
- To cut external threads
- Suitable for steels up to 700 N/mm²



Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
"THREAD DIES 223 HSS UNC 1/4"	UNC 1/4 "	20 mm	20 mm	1	186993
"THREAD DIES 223 HSS UNC 5/16"	UNC 5/16 "	18 mm	25 mm	1	186994
"THREAD DIES 223 HSS UNC 3/8"	UNC 3/8 "	16 mm	30 mm	1	186995
"THREAD DIES 223 HSS UNC 7/16"	UNC 7/16 "	14 mm	30 mm	1	186996
"THREAD DIES 223 HSS UNC 1/2"	UNC 1/2 "	13 mm	38 mm	1	186997
"THREAD DIES 223 HSS UNC 9/12"	UNC 9/16 "	12 mm	38 mm	1	186998
"THREAD DIES 223 HSS UNC 5/8"	UNC 5/8 "	11 mm	45 mm	1	186999
"THREAD DIES 223 HSS UNC 3/4"	UNC 3/4 "	10 mm	45 mm	1	187000
"THREAD DIES 223 HSS UNC 7/8"	UNC 7/8 "	9 mm	55 mm	1	187001
"THREAD DIES 223 HSS UNC 1"X8	UNC 1 "	8 mm	55 mm	1	187002

AGR: 10.143

Circular Dies HSS UNF fine thread

- With spiral point for a clean surface
- Good chip flow and less effort

Application Area

- Can be used for machines or manually
- To cut external threads
- Suitable for steels up to 700 N/mm²



Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
"THREAD DIES 223 HSS UNF 1/4"	UNF 1/4 "	28 mm	20 mm	1	187003
"THREAD DIES 223 HSS UNF 5/16"	UNF 5/16 "	24 mm	25 mm	1	187004
"THREAD DIES 223 HSS UNF 3/8"	UNF 3/8 "	24 mm	30 mm	1	187005
"THREAD DIES 223 HSS UNF 7/16"	UNF 7/16 "	20 mm	30 mm	1	187006
"THREAD DIES 223 HSS UNF 1/2"	UNF 1/2 "	20 mm	38 mm	1	187007
"THREAD DIES 223 HSS UNF 9/16"	UNF 9/16 "	18 mm	38 mm	1	187008
"THREAD DIES 223 HSS UNF 5/8"	UNF 5/8 "	18 mm	45 mm	1	187009
"THREAD DIES 223 HSS UNF 3/4"	UNF 3/4 "	16 mm	45 mm	1	187010
"THREAD DIES 223 HSS UNF 7/8"	UNF 7/8 "	14 mm	55 mm	1	187011
"THREAD DIES 223 HSS UNF 1""X1	UNF 1 "	12 mm	55 mm	1	187012

AGR: 10.143

Screwing Die BSP 55°

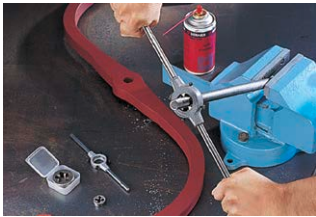
- With spiral point for a clean surface
- Less exertion of force

Application Area

- Can be used with a machine or by hand
- Can be used for steel up to 700 N/mm²

Characteristics

- For gas or pipe threads BSP 55°, according to DIN 5158/EN 24231 Form B, Material HSS



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Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
Screwing Die BSP 55°	BSP 1/8 "	28 mm	30 mm	1	227480
Screwing Die BSP 55°	BSP 1/4 "	19 mm	38 mm	1	227498
Screwing Die BSP 55°	BSP 3/8 "	19 mm	45 mm	1	227838
Screwing Die BSP 55°	BSP 1/2 "	14 mm	45 mm	1	227870
Screwing Die BSP 55°	BSP 3/4 "	14 mm	55 mm	1	227889
Screwing Die BSP 55°	BSP 1 "	11 mm	65 mm	1	227897

AGR: 10.143

INTERNAL/Approved (2019-03-22 20:18:52)

Circular Dies HSS DIN 5158 BSW Whithworth thread

- With spiral point for a clean surface
- Good chip flow and less effort

Application Area

- Can be used for machines or manually
- To cut external threads
- Suitable for steels up to 700 N/mm²



Title	Nominal dimension	Pitch	Diameter External	PU Piece	Article No.
"THREAD DIES 5158 HSS 1/8"" X	BSW 1/8 "	40 mm	20 mm	1	186984
"THREAD DIES 5158 HSS 1/4"" X	BSW 1/4 "	20 mm	20 mm	1	186985
"THREAD DIES 5158 HSS 5/16"" X	BSW 5/16 "	18 mm	25 mm	1	186986
"THREAD DIES 5158 HSS 3/8"" X	BSW 3/8 "	16 mm	30 mm	1	186987
"THREAD DIES 5158 HSS 1/2"" X	BSW 1/2 "	12 mm	38 mm	1	186988
"THREAD DIES 5158 HSS 5/8"" X	BSW 5/8 "	11 mm	45 mm	1	186989
"THREAD DIES 5158 HSS 3/4"" X	BSW 3/4 "	10 mm	45 mm	1	186990
"THREAD DIES 5158 HSS 7/8"" X	BSW 7/8 "	9 mm	55 mm	1	186991
"THREAD DIES 5158 HSS 1"" X 8"	BSW 1 "	8 mm	55 mm	1	186992

AGR: 10.143

Thread Cutting Assortment M 3 - M 12 Coarse Pitch Thread

Scope Of Delivery

- 1 single cut tap according DIN 352: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- 1 cutting die according to DIN 223 / EN 22568: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- 1 cutting die holder 20 x 5, 20 x 7, 25 x 9, 30 x 11 38 x 14
- 1 tap wrenches No. 1, No. 2
- 1 slope gauge
- 1 slotted screwdriver
- In a metal box



Title	PU Assortment	Article No.
Thread Cutting Assortment	1	041602

AGR: 10.145

Thread Cutting Assortment M 3 - M 20 Coarse Pitch Thread

Scope Of Delivery

- 1 hand screw tap set according to DIN 352: M 3, M 4, M 5, M 6, M 8, M 10, M 12, M 14, M 16, M 18, M 20
- 1 thread cutting dies according to DIN 223 / EN 22568: M 3, M 4, M 5, M 6, M 8, M 10, M 12, M 14, M 16, M 18, M 20
- 1 die holder 20 x 5, 20 x 7, 25 x 9, 30 x 11, 38 x 14, 45 x 18
- 1 Tap wrenches No. 1, No. 3
- 1 slope gauge
- 1 slotted screwdriver
- In practical metal box

Title	PU Set	Article No.
Thread Cutting Assortment	1	559580

AGR: 10.145



Thread taps / threading dies

Threadcutting Assortment 52-pcs Plastic case

- Optimized Tool concept 52 pieces
- 2 coloured Tool Control System
- Foam inlays removable
- Non slip and stackable toolboxes

Application Area

- Thread cutting assortment for cutting threads

Hints

- Hand Taps HSS M3, M4, M5, M6, M8, M10, M12
- Circular Dies HSS M3, M4, M5, M6, M8, M10, M12
- Holder for Circular Dies 20x5, 20x7, 25x9, 30x11, 38x14
- Adjustable Top Wrenches Nr. 1 + Nr. 2
- Twist Drills HSS-G 2,5, 3,3, 4,2, 5,0, 6,8, 8,5, 10,2
- Guides for Circular Dies M3, M4, M5, M6, M8, M10, M12
- Threading Manual
- Toolholder Nr. 1



Title	PU Assortment	Article No.
Threadcutting Assortment 52-pcs Plastic case	1	335573

AGR: 10.145

Thread Cutting Assortment M 3 - M 20 Finely Threaded

Scope Of Delivery

- 1 hand screw tap set according to DIN 2181: M 3 x 0.35 / M 4 x 0.35 / M 5 x 0.5 / M 6 x 0.75 / M 8 x 0.75 / M 10 x 1.0 / M 12 x 1.5 / M 14 x 1.5 / M 16 x 1.5 / M 18 x 1.5 / M 20 x 1.5
- 1 thread cutting die according to DIN 223 / EN 22568: M 3 x 0.35 / M 4 x 0.35 / M 5 x 0.5 / M 6 x 0.75 / M 8 x 0.75 / M 10 x 1.0 / M 12 x 1.5 / M 14 x 1.5 / M 16 x 1.5 / M 18 x 1.5 / M 20 x 1.5
- 1 die holder 20 x 5, 20 x 7, 25 x 9, 30 x 11, 38 x 14, 45 x 14
- 1 Tap wrenches No. 1, No. 3
- 1 Slope Teaching
- 1 slotted screwdriver
- In practical metal box

Title	PU Set	Article No.
Thread Cutting Tool Set	1	559571

AGR: 10.145



Thread taps / threading dies

Metric Quick Set -8pcs

- Dies set metric M3 - M12
- Outside diameter of the cutting disc is only 25 mm and is identical for all sizes
- Universal use for steel up to 900 N / mm²
- In small and practical steel cassette, fits in any car workshop and tool sets
- Case dimensions: L x W x H: 120 x 80 x 30 mm

Application Area

- For the general application e.g. for steel up to 900 N/mm²

Characteristics

- Metric standard thread
- Outer diameter of the threading die 25 mm

Scope Of Delivery

- 1 threading die M3-M12
- 1 die holder
- In a solid cassette



Title	PU Assortment	Article No.
Metric Quick Set	1	094162

AGR: 10.146

Thread Cutting Assortment M3-M12 64 PCS

- Romovable foam inlett, for the deposition in shelf-/workshop wagon- systems
- Non-slip case and stackable

Characteristics

- Metric standard thread

Hints

- Not suitable for assortment Safe

Scope Of Delivery

- 1 hand tap DIN 352 M3-M12, taper tap, second tap, finishing tap
- 1 machine tapDIN 371 Form B M3-M10, DIN 376 Form B M12
- 1 threading die DIN 223 M3-M12
- 1 duct DIN 223 M3-M12
- 1 die holder DIN 225, 20x5, 20x7, 25x9, 30x11, 38x14
- 1 adjustable tap wrench DIN 1814 size 1 und size 2
- Manual deburrer 12,4 mm
- 1 twist drill DIN 338 Ø 2,5
- 3,3
- 4,2
- 5,0
- 6,8
- 8,5
- 10,2
- Thread manual
- Tool holder size 2
- Drilling paste 20 g
- Screwdriver
- Thread gauge



INTERNAL/Approved (2019-03-22 20:19:30)

Title	PU Assortment	Article No.
TAP HLE M3-M12 61-PIECES	1	187040

AGR: 10.145

Thread taps / threading dies

Thread cutting nut

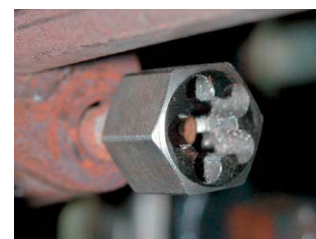
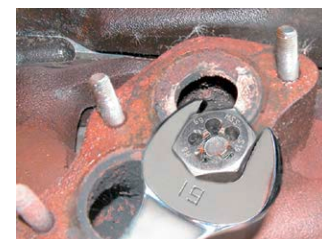
- The integrated guide enables easy insertion even in damaged thread and guarantees a straight thread
- Threads are able to be cut to even the narrowest space due to the most minimal measurements.
- The hexagon drive guarantees a safe power transmission with jaw spanner, box wrench or ratchet – so you can use existing tools
- The scalping ingate provides a optimal thread surface and a low exertion of force

Application Area

- Cutting of new outside threading
- Extending outside threading
- Recutting the damaged thread
- Cleaning dirty thread (Rust, lacquer...)

Processing Information

- Lubricate with drill and cutting oil
- For Cutting until the end of the bolt please use the head side



Thread taps / threading dies



Title	Nominal dimension	Pitch	Wrench Width	PU Piece	Article No.
Thread cutting nut for standard thread	M 5	0.8 mm	15 mm	1	032537
Cut Nut - Standard Thread	M 6	1 mm	15 mm	1	027457
Cut Nut - Standard Thread	M 8	1.25 mm	19 mm	1	027456
Cut Nut - Fine Thread	M 8	1 mm	19 mm	1	032538
Cut Nut - Standard Thread	M 10	1.5 mm	21 mm	1	027466
Thread cutting nut	M 10	1 mm	21 mm	1	032539
Cut Nut - Fine Thread	M 10	1.25 mm	21 mm	1	032536
Cut Nut - Standard Thread	M 12	1.75 mm	24 mm	1	027460
Thread cutting nut	M 12	1 mm	24 mm	1	032540
Thread cutting nut for fine thread	M 12	1.25 mm	24 mm	1	032541
Cut Nut - Fine Thread	M 12	1.5 mm	24 mm	1	032542
Thread cutting nut	M 14	2 mm	27 mm	1	032550
Thread cutting nut	M 14	1 mm	27 mm	1	032543
Thread cutting nut	M 14	1.25 mm	27 mm	1	032545
Cut Nut - Fine Thread	M 14	1.5 mm	27 mm	1	032549
Thread cutting nut for standard thread	M 16	2 mm	36 mm	1	032527
Thread cutting nut for fine thread	M 16	1.5 mm	36 mm	1	032551
Thread cutting nut	M 18	2.5 mm	36 mm	1	032529
Thread cutting nut	M 18	1.5 mm	36 mm	1	032528
Thread cutting nut	M 20	2.5 mm	41 mm	1	032531

AGR: 10.143

INTERNAL/Approved (2019-03-22 20:19:38)

Cut Nut Set, Metric

- The skiving cut ensures an optimal thread surface and a low force requirement
- The integrated guide allows easy attachment even with damaged threaded neck and guarantees a straight thread
- The smallest dimensions mean that even threads can be cut in the tightest of spaces

Application Area

- For re-cutting damaged threads

Scope Of Delivery

- Delivery in a practical plastic box



Thread taps / threading dies



Title	PU Piece	Article No.
Cut Nut Set for Standard Thread	1	018353
AGR: 10.143		
Scope Of Supply	Piece	Article No.
Cut Nut - Standard Thread M6	1	027457
Cut Nut - Standard Thread M8	1	027456
Cut Nut - Standard Thread M10	1	027466
Cut Nut - Standard Thread M12	1	027460

Cut Nut Set Metric Fine

- The skiving cut ensures an optimal thread surface and a low force requirement
- The integrated guide allows easy attachment even with damaged threaded neck and guarantees a straight thread
- The smallest dimensions mean that even threads can be cut in the tightest of spaces

Application Area

- For re-cutting damaged threads

Scope Of Delivery

- Delivery in a practical plastic box



Title	PU Assortment	Article No.
Cut Nut Set for Fine Thread	1	032535
AGR: 10.143		
Scope Of Supply	Piece	Article No.
Cut Nut - Fine Thread M8X1	1	032538
Cut Nut - Fine Thread M10X1,25	1	032536
Thread cutting nut for fine thread M12X1,5	1	032542
Thread cutting nut for fine thread M14X1,5	1	032549

INTERNAL/Approved (2019-03-22 20:19:56)

Single Cut Tap DIN 376 Type B

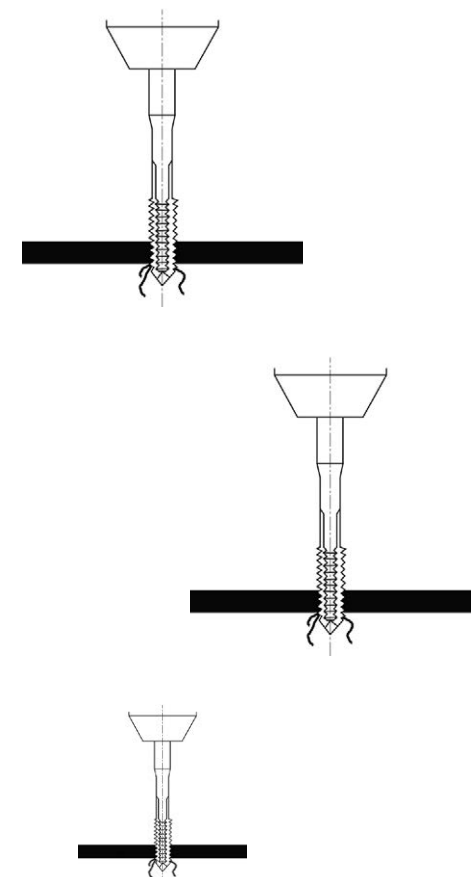
- Reinforced shank for high resistance to breakage.
- With curling cut for clean surface, good chip evacuation and reduced effort.

Application Area

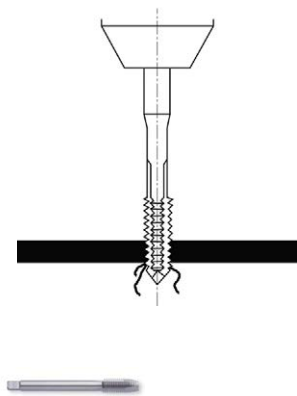
- For cutting attachments for threading through holes

Characteristics

- Metric coarse thread, material HSS-E
DIN 371: with reinforced shaft
DIN 376 with transmitted shaft



Thread taps / threading dies



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 5157	M 3	0.5 mm	56 mm	2.5 mm	1	224685
Single Cut Tap DIN 5157	M 4	0.7 mm	63 mm	3.3 mm	1	224693
Single Cut Tap DIN 5157	M 5	0.8 mm	70 mm	4.2 mm	1	224766
Single Cut Tap DIN 5157	M 6	1 mm	80 mm	5 mm	1	224774
Single Cut Tap DIN 5157	M 8	1.25 mm	90 mm	6.8 mm	1	224790
Single Cut Tap DIN 5157	M 10	1.5 mm	100 mm	8.5 mm	1	224804
Single Cut Tap DIN 376 Type B	M 12	1.75 mm	110 mm	10.2 mm	1	224855
Single Cut Tap DIN 376 Type B	M 14	2 mm	110 mm	12 mm	1	257125
Single Cut Tap DIN 376 Type B	M 16	2 mm	110 mm	14 mm	1	257150
Single Cut Tap DIN 5157	M 18	2.5 mm	125 mm	15.5 mm	1	186718
Single Cut Tap DIN 5157	M 20	2.5 mm	140 mm	17.5 mm	1	186719
TAP HLE 376B HSS-E M 22	M 22	2.5 mm	140 mm	19.5 mm	1	186720
TAP HLE 376B HSS-E M 24	M 24	3 mm	160 mm	21 mm	1	186721

AGR: 10.141

Single Cut Tap DIN 371 Type C

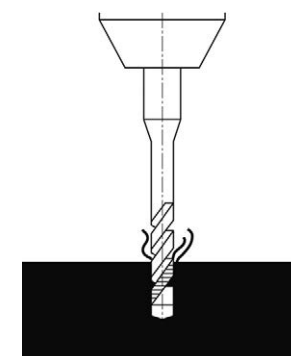
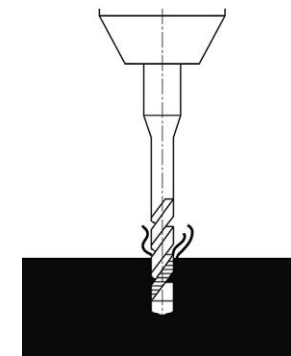
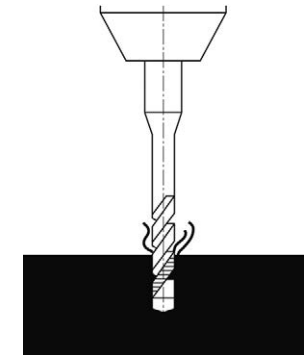
- Profile-ground and relief ground
- 2-speed gate for blind holes to breakage

Application Area

- Blind holes
- Non-ferrous metals and steels up to 700 N / mm²

Characteristics

- Metric coarse thread, material HSS-E, pretty twisted flute 35°
DIN 371: with reinforced shaft
DIN 376 with transmitted shaft



Thread taps / threading dies

Single Cut Tap DIN 371 Type B with vaporization

- Vaporization (steam tempering) prevents cold welding on the cutting edge, increases the corrosion resistance and increases tool life up to 3 times longer
- Reinforced shank for high resistance to breakage.
- With curling cut for clean surface, good chip evacuation and reduced effort.

Application Area

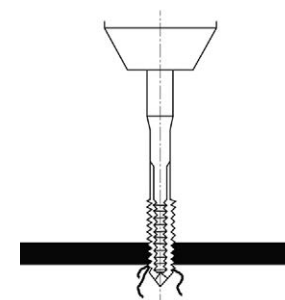
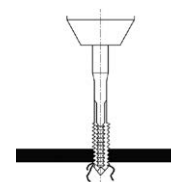
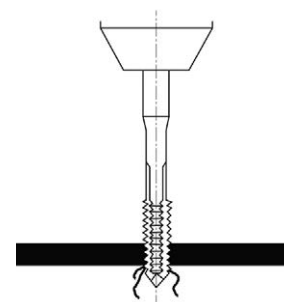
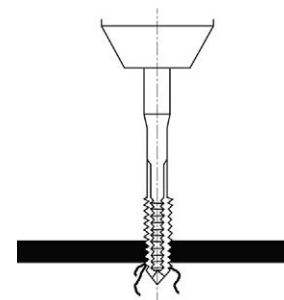
- For cutting attachments for threading through holes

Characteristics

- Metric coarse thread, material HSS-E
- DIN 371: with reinforced shaft
- DIN 376 with transmitted shaft

Processing Information

- Must be cooled.



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type B with vapor.	M 3	0.5 mm	56 mm	2.5 mm	1	225096
Single Cut Tap DIN 371 Type B vapor.	M 4	0.7 mm	63 mm	3.3 mm	1	225533
Single Cut Tap DIN 371 Type B vapor.	M 5	0.8 mm	70 mm	4.2 mm	1	225681
Single Cut Tap DIN 371 Type B with vapo.	M 6	1 mm	80 mm	5 mm	1	225711
Single Cut Tap DIN 371 Type B vapor.	M 8	1.25 mm	90 mm	6.8 mm	1	225797
Single Cut Tap DIN 371 Type B vapor.	M 10	1.5 mm	100 mm	8.5 mm	1	226289
Single Cut Tap DIN 376 Type B vaporized	M 12	1.75 mm	110 mm	10.2 mm	1	226556
TAP HLE 376B HSS-E M 14 VA	M 14	2 mm	110 mm	12 mm	1	257184
TAP HLE 376B HSS-E M 16 VA	M 16	2 mm	110 mm	14 mm	1	257192
TAP HLE 376B HSS-E M 18 VA BR	M 18	2.5 mm	125 mm	15.5 mm	1	186865
TAP HLE 376B HSS-E M 20 VA BR	M 20	2.5 mm	140 mm	17.5 mm	1	186866
TAP HLE 376B HSS-E M 22 VA BR	M 22	2.5 mm	140 mm	19.5 mm	1	186867
TAP HLE 376B HSS-E M 24 VA BR	M 24	3 mm	160 mm	21 mm	1	186868

AGR: 10.141

Single Cut Tap DIN 371 Type C with Vaporization

- Vaporization (steam tempering) prevents cold welding on the cutting edge, increases the corrosion resistance and increases the service life is up to 3 times longer
- Reinforced shank for high resistance to breakage

Application Area

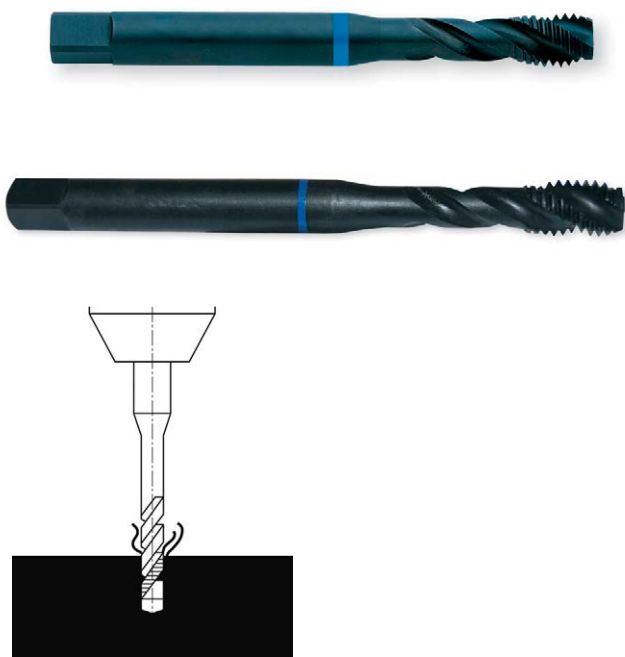
- For cutting internal threads for blind holes

Characteristics

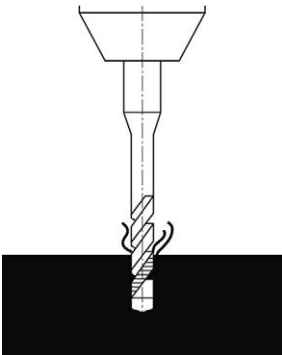
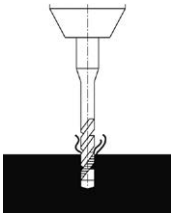
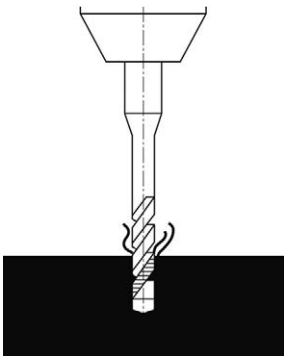
- Metric coarse thread, material HSS-E, pretty twisted flute 35 °
- DIN 371: with reinforced shank
- DIN 376 with transmitted shaft

Processing Information

- Must be cooled.



Thread taps / threading dies



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type C Vapor.	M 3	0.5 mm	56 mm	2.5 mm	1	226750
Single Cut Tap DIN 371 Type C Vapor.	M 4	0.7 mm	63 mm	3.3 mm	1	227005
Single Cut Tap DIN 371 Type C Vapor.	M 5	0.8 mm	70 mm	4.2 mm	1	445799
Single Cut Tap DIN 371 Type C Vapor.	M 6	1 mm	80 mm	5 mm	1	227021
Single Cut Tap DIN 371 Type C Vapor.	M 8	1.25 mm	90 mm	6.8 mm	1	445801
Single Cut Tap DIN 371 Type C Vapor.	M 10	1.5 mm	100 mm	8.5 mm	1	227048
Single Cut Tap DIN 376 Type 35° vaporized	M 12	1.75 mm	110 mm	10.25 mm	1	227080
TAP HLE 376C/35 HSS-E M 14 VA	M 14	2 mm	110 mm	12 mm	1	257206
TAP HLE 376C/35 HSS-E M 16 VA	M 16	2 mm	110 mm	14 mm	1	257214

INTERNAL/Approved (2019-03-22 20:20:21)

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE 376/35 HSS-E M 18 VA B	M 18	2.5 mm	125 mm	15.5 mm	1	186870
TAP HLE 376/35 HSS-E M 20 VA B	M 20	2.5 mm	140 mm	17.5 mm	1	186871
TAP HLE 376/35 HSS-E M 24 VA B	M 24	3 mm	160 mm	21 mm	1	186874

AGR: 10.141

Machine Taps DIN 371 / 376 form B yellow ring

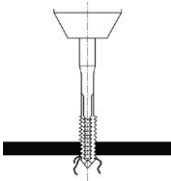
- Profile-grounded and relief-grounded
- 5-gear first cut with spiral point for blind holes

Application Area

- To cut internal threads for through holes
- High-performance machine taps for universal use
- Steels up to max. 1000 N/mm²

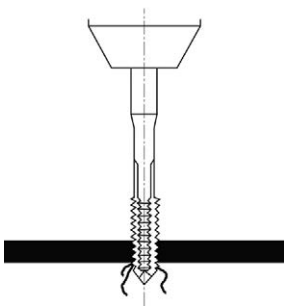
Characteristics

- Metric standard thread



INTERNAL/Approved (2019-03-22 20:20:23)

Thread taps / threading dies



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type B	M 3	0.5 mm	56 mm	2.5 mm	1	186747
Single Cut Tap DIN 371 Type B	M 4	0.7 mm	63 mm	3.3 mm	1	186748
Single Cut Tap DIN 371 Type B	M 5	0.8 mm	70 mm	4.2 mm	1	186749
Single Cut Tap DIN 371 Type B	M 6	1 mm	80 mm	5 mm	1	186750
Single Cut Tap DIN 371 Type B	M 8	1.25 mm	90 mm	6.75 mm	1	186751
Single Cut Tap DIN 371 Type B	M 10	1.5 mm	100 mm	8.5 mm	1	186752
Single Cut Tap DIN 371 Type B	M 12	1.75 mm	110 mm	10.25 mm	1	186753
TAP HLE 376B HSS-E M 14 GR	M 14	2 mm	110 mm	12 mm	1	186754
TAP HLE 376B HSS-E M 16 GR	M 16	2 mm	110 mm	14 mm	1	186755
TAP HLE 376B HSS-E M 18 GR	M 18	2.5 mm	125 mm	15.5 mm	1	186756
TAP HLE 376B HSS-E M 20 GR	M 20	2.5 mm	140 mm	17.5 mm	1	186757
TAP HLE 376B HSS-E M 22 GR	M 22	2.5 mm	140 mm	19.5 mm	1	186758
TAP HLE 376B HSS-E M 24 GR	M 24	3 mm	160 mm	21 mm	1	186760
TAP HLE 376B HSS-E M 27 GR	M 27	3 mm	160 mm	24 mm	1	186761
TAP HLE 376B HSS-E M 30 GR	M 30	3.5 mm	180 mm	3.5 mm	1	186762
TAP HLE 376B HSS-E M 36 GR	M 36	4 mm	200 mm	32 mm	1	186764

AGR: 10.141

Machine Taps DIN 371 / 376 35° yellow ring

- Profile-grounded and relief-grounded
- 2-gear first cut for blind holes



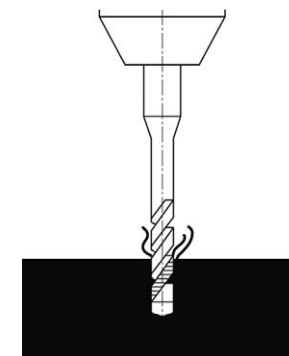
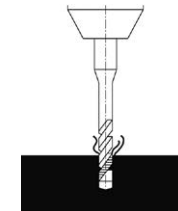
Thread taps / threading dies

Application Area

- To cut internal threads for blind holes
- High-performance machine taps for universal use
- Steels up to max. 1000 N/mm²

Characteristics

- Metric standard thread



Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type 35°	M 3	0.5 mm	56 mm	2.5 mm	1	186766
Single Cut Tap DIN 371 Type 35°	M 4	0.7 mm	63 mm	3.3 mm	1	186768
Single Cut Tap DIN 371 Type 35°	M 5	0.8 mm	70 mm	4.2 mm	1	186769
Single Cut Tap DIN 371 Type 35°	M 6	1 mm	80 mm	5 mm	1	186770
Single Cut Tap DIN 371 Type 35°	M 8	1.25 mm	90 mm	6.75 mm	1	186771
Single Cut Tap DIN 371 Type 35°	M 10	1.5 mm	100 mm	8.5 mm	1	186772
Single Cut Tap DIN 371 Type 35°	M 12	1.75 mm	110 mm	10.25 mm	1	186773
TAP HLE 376/35 HSS-E M 14 GR	M 14	2 mm	110 mm	12 mm	1	186774
TAP HLE 376/35 HSS-E M 16 GR	M 16	2 mm	110 mm	14 mm	1	186776
TAP HLE 376/35 HSS-E M 18 GR	M 18	2.5 mm	125 mm	15.5 mm	1	186777
TAP HLE 376/35 HSS-E M 20 GR	M 20	2.5 mm	140 mm	17.5 mm	1	186778
TAP HLE 376/35 HSS-E M 22 GR	M 22	2.5 mm	140 mm	19.5 mm	1	186779
TAP HLE 376/35 HSS-E M 24 GR	M 24	3 mm	160 mm	21 mm	1	186780
TAP HLE 376/35 HSS-E M 27 GR	M 27	3 mm	160 mm	24 mm	1	186781
TAP HLE 376/35 HSS-E M 30 GR	M 30	3.5 mm	180 mm	26.5 mm	1	186782
TAP HLE 376/35 HSS-E M 33 GR	M 33	3.5 mm	180 mm	29.5 mm	1	186784
TAP HLE 376/35 HSS-E M 36 GR	M 36	4 mm	200 mm	32 mm	1	186785

AGR: 10.141

Machine Taps DIN 371 / 376 form B red Ring

- Profile-grounded and relief-grounded
- 5-gear first cut with spiral point for blind holes

Application Area

- To cut internal threads for through holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

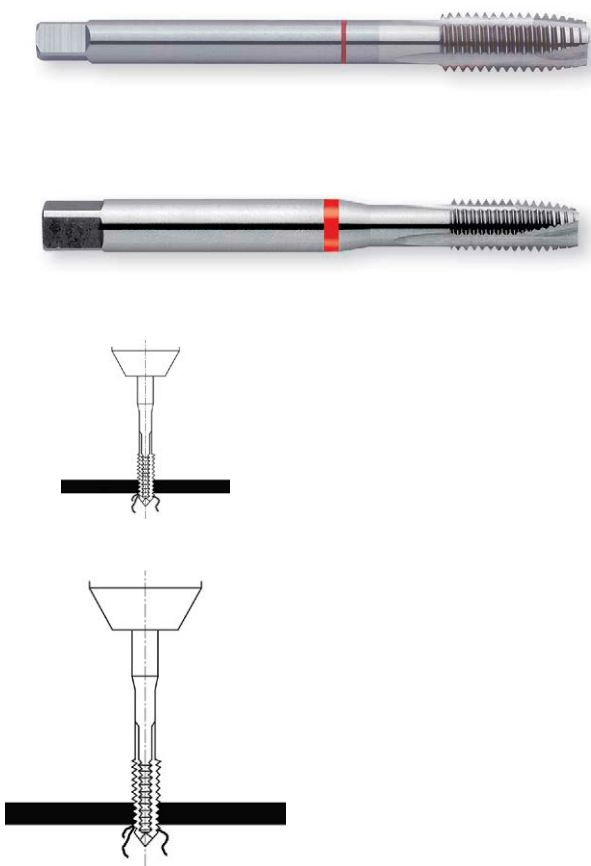
Characteristics

- Metric standard thread



INTERNAL/Approved (2019-03-22 20:20:33)

Thread taps / threading dies



INTERNAL/Approved (2019-03-22 20:20:41)

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type B	M 3	0.5 mm	56 mm	2.5 mm	1	186787
Single Cut Tap DIN 371 Type B	M 4	0.7 mm	63 mm	3.3 mm	1	186788
Single Cut Tap DIN 371 Type B	M 5	0.8 mm	70 mm	4.2 mm	1	186789
Single Cut Tap DIN 371 Type B	M 6	1 mm	80 mm	5 mm	1	186790
Single Cut Tap DIN 371 Type B	M 8	1.25 mm	90 mm	6.75 mm	1	186791
Single Cut Tap DIN 371 Type B	M 10	1.5 mm	100 mm	8.5 mm	1	186792
Single Cut Tap DIN 376 Type B	M 12	1.75 mm	110 mm	10.25 mm	1	186793
TAP HLE 376B HSS-E M 14 RR	M 14	2 mm	110 mm	12 mm	1	186794
TAP HLE 376B HSS-E M 16 RR	M 16	2 mm	110 mm	14 mm	1	186795
TAP HLE 376B HSS-E M 18 RR	M 18	2.5 mm	125 mm	15.5 mm	1	186796
TAP HLE 376B HSS-E M 20 RR	M 20	2.5 mm	140 mm	17.5 mm	1	186797
TAP HLE 376B HSS-E M 22 RR	M 22	2.5 mm	140 mm	19.5 mm	1	186798
TAP HLE 376B HSS-E M 24 RR	M 24	3 mm	160 mm	21 mm	1	186799

AGR: 10.141

Thread taps / threading dies

Machine Taps DIN 371 / 376 35° red ring

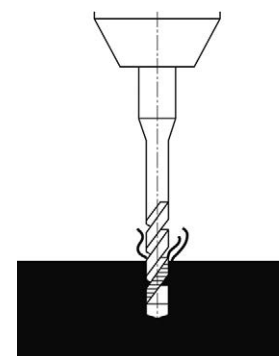
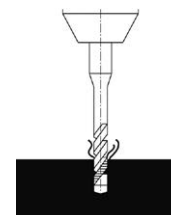
- Profile-grounded and relief-grounded
- 2-gear first cut for blind holes

Application Area

- To cut internal threads for blind holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

Characteristics

- Metric standard thread



Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type 35°	M 3	0.5 mm	56 mm	2.5 mm	1	186801
Single Cut Tap DIN 371 Type 35°	M 4	0.7 mm	63 mm	3.3 mm	1	186802
Single Cut Tap DIN 371 Type 35°	M 5	0.8 mm	70 mm	4.2 mm	1	186803
Single Cut Tap DIN 371 Type 35°	M 6	1 mm	80 mm	5 mm	1	186804
Single Cut Tap DIN 371 Type 35°	M 8	1.25 mm	90 mm	6.75 mm	1	186805
Single Cut Tap DIN 371 Type 35°	M 10	1.5 mm	100 mm	8.5 mm	1	186806
Single Cut Tap DIN 371 Type 35°	M 12	1.75 mm	110 mm	10.25 mm	1	186807
TAP HLE 376/35 HSS-E M 14 RR	M 14	2 mm	110 mm	12 mm	1	186808
TAP HLE 376/35 HSS-E M 16 RR	M 16	2 mm	110 mm	14 mm	1	186809
TAP HLE 376/35 HSS-E M 20 RR	M 20	2.5 mm	140 mm	17.5 mm	1	186811
TAP HLE 376/35 HSS-E M 22 RR	M 22	2.5 mm	140 mm	19.5 mm	1	186812
TAP HLE 376/35 HSS-E M 24 RR	M 24	3 mm	160 mm	21 mm	1	186813

AGR: 10.141

Machine Taps DIN 371 / 376 form C White Ring

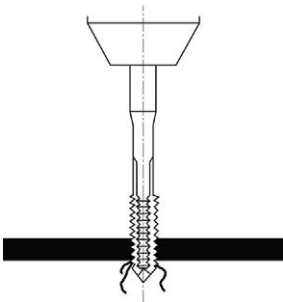
- Additional surface hardening
- Especially suitable for palmed off materials like aluminium and VA
- Increased service life
- Higher cutting speed
- 2-3-gear first cut for through holes

Application Area

- To cut internal threads for through holes
- To cut cast iron

Characteristics

- Metric standard thread



Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE 371C HSS-E M 3 TICN WR	M 3	0.5 mm	56 mm	2.5 mm	1	186876
TAP HLE 371C HSS-E M 4 TICN WR	M 4	0.7 mm	63 mm	3.3 mm	1	186877
TAP HLE 371C HSS-E M 5 TICN WR	M 5	0.8 mm	70 mm	4.2 mm	1	186878
TAP HLE 371C HSS-E M 6 TICN WR	M 6	1 mm	80 mm	5 mm	1	186879
TAP HLE 371C HSS-E M 8 TICN WR	M 8	1.25 mm	90 mm	6.75 mm	1	186881
TAP HLE 371C HSS-E M 10 TICN W	M 10	1.5 mm	100 mm	8.5 mm	1	186882
TAP HLE 376C HSS-E M 12 TICN W	M 12	1.75 mm	110 mm	10.25 mm	1	186883
TAP HLE 376C HSS-E M 14 TICN W	M 14	2 mm	110 mm	12 mm	1	186884
TAP HLE 376C HSS-E M 16 TICN W	M 16	2 mm	110 mm	14 mm	1	186885
TAP HLE 376C HSS-E M 18 TICN W	M 18	2.5 mm	125 mm	15.5 mm	1	186886
TAP HLE 376C HSS-E M 20 TICN W	M 20	2.5 mm	140 mm	17.5 mm	1	186887
TAP HLE 376C HSS-E M 22 TICN W	M 22	2.5 mm	140 mm	19.5 mm	1	186888

AGR: 10.141

Machine Taps DIN 371 / 376 form B TiALN

- Profile-grounded and relief-grounded
- 5-gear first cut with spiral point for blind holes
- Additional surface hardening
- Optimal service life
- Highest cutting speed
- Temperature resistance up to 800° - no cooler necessary
- Reduces galling

Application Area

- To cut internal threads for through holes
- For specially hard materials

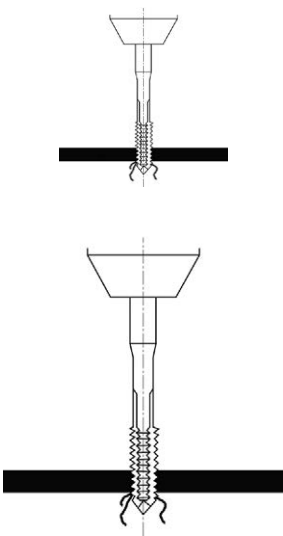
Characteristics

- Metric standard thread



INTERNAL/Approved (2019-03-22 20:21:06)

Thread taps / threading dies



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type B TiALN	M 3	0.5 mm	56 mm	2.5 mm	1	186890
Single Cut Tap DIN 371 Type B TiALN	M 4	0.7 mm	63 mm	3.3 mm	1	186891
Single Cut Tap DIN 371 Type B TiALN	M 5	0.8 mm	70 mm	4.2 mm	1	186892
Single Cut Tap DIN 371 Type B TiALN	M 6	1 mm	80 mm	5 mm	1	186893
Single Cut Tap DIN 371 Type B TiALN	M 8	1.25 mm	90 mm	6.75 mm	1	186894
Single Cut Tap DIN 371 Type B TiALN	M 10	1.5 mm	100 mm	8.5 mm	1	186895
Single Cut Tap DIN 376 Type B TiALN	M 12	1.75 mm	110 mm	10.25 mm	1	186896
TAP HLE 376B HSS-E M 14 TIALN	M 14	2 mm	110 mm	12 mm	1	186897
TAP HLE 376B HSS-E M 16 TIALN	M 16	2 mm	110 mm	14 mm	1	186898
TAP HLE 376B HSS-E M 20 TIALN	M 20	2.5 mm	140 mm	17.5 mm	1	186901
TAP HLE 376B HSS-E M 22 TIALN	M 22	2.5 mm	140 mm	19.5 mm	1	186903
TAP HLE 376B HSS-E M 24 TIALN	M 24	3 mm	160 mm	21 mm	1	186904

AGR: 10.141

Machine Taps DIN 371 / 376 35° TiALN

- Profile-grounded and relief-grounded
- 2-3-gear first cut 35° right-hand spiral for blind holes



INTERNAL/Approved (2019-03-22 20:21:10)

Thread taps / threading dies

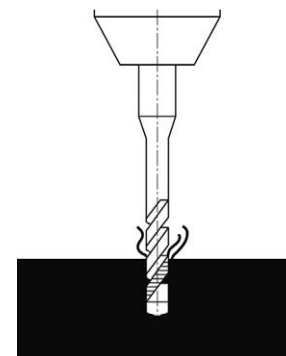
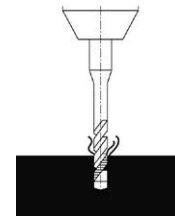
- Additional surface hardening
- Optimal service life
- Highest cutting speed
- Temperature resistance up to 800° - no cooler necessary
- Reduces galling

Application Area

- To cut internal threads for blind holes
- For specially hard materials

Characteristics

- Metric standard thread



Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 371 Type 35° TiALN	M 3	0.5 mm	56 mm	2.5 mm	1	186906
Single Cut Tap DIN 371 Type 35° TiALN	M 4	0.7 mm	63 mm	3.3 mm	1	186907
Single Cut Tap DIN 371 Type 35° TiALN	M 5	0.8 mm	70 mm	4.2 mm	1	186908
Single Cut Tap DIN 371 Type 35° TiALN	M 6	1 mm	80 mm	5 mm	1	186909
Single Cut Tap DIN 371 Type 35° TiALN	M 8	1.25 mm	90 mm	6.75 mm	1	186911
Single Cut Tap DIN 371 Type 35° TiALN	M 10	1.5 mm	100 mm	8.5 mm	1	186912
Single Cut Tap DIN 376 Type 35° TiALN	M 12	1.75 mm	110 mm	10.25 mm	1	186913
TAP HLE 376/35 HSS-E M 14 TIAL	M 14	2 mm	110 mm	12 mm	1	186914
TAP HLE 376/35 HSS-E M 16 TIAL	M 16	2 mm	110 mm	14 mm	1	186915
TAP HLE 376/35 HSS-E M 18 TIAL	M 18	2.5 mm	125 mm	15.5 mm	1	186916
TAP HLE 376/35 HSS-E M 20 TIAL	M 20	2.5 mm	140 mm	17.5 mm	1	186917
TAP HLE 376/35 HSS-E M 22 TIAL	M 22	2.5 mm	140 mm	19.5 mm	1	186918
TAP HLE 376/35 HSS-E M 24 TIAL	M 24	3 mm	160 mm	21 mm	1	186919

AGR: 10.141

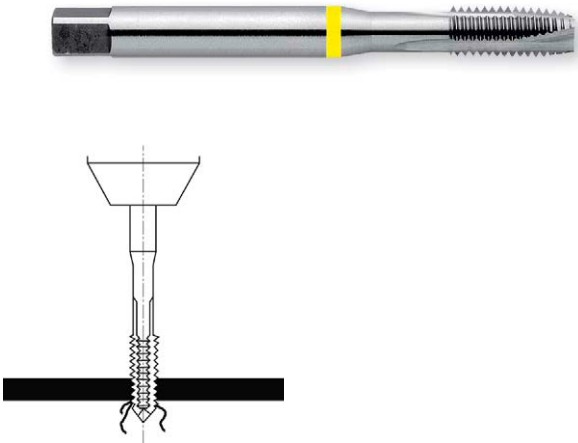
Machine Taps DIN 5156 Form B BSP
Whitworth pipe thread (G) yellow ring

- 4-5-gear first cut with spiral point for through holes

Application Area

- To cut internal threads for through holes
- High-performance machine taps for universal use
- Steels up to max. 1000 N/mm²

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
"TAP HLE 5156/35 HSS-E G 1"" G	G 1 "	11 mm	170 mm	30.5 mm	1	186746
"TAP HLE 5156B HSS-E G 1"" GR"	G 1 "	11 mm	170 mm	30.5 mm	1	186737
"TAP HLE 5156/35 HSS-E G 1/2""	G 1/2 "	14 mm	140 mm	19 mm	1	186742
"TAP HLE 5156/35 HSS-E G 3/4""	G 3/4 "	14 mm	140 mm	24.5 mm	1	186744
"TAP HLE 5156/35 HSS-E G 5/8""	G 5/8 "	14 mm	140 mm	21 mm	1	186743
"TAP HLE 5156B HSS-E G 1/2"" G	G 1/2 "	14 mm	140 mm	19 mm	1	186733
"TAP HLE 5156B HSS-E G 3/4"" G	G 3/4 "	14 mm	140 mm	24.5 mm	1	186735
"TAP HLE 5156B HSS-E G 5/8"" G	G 5/8 "	14 mm	140 mm	21 mm	1	186734



INTERNAL/Approved (2019-03-22 20:21:15)

Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
"TAP HLE 5156B HSS-E G 7/8"" G	G 7/8 "	14 mm	160 mm	28.25 mm	1	186736
TAP HLE 5156/35 HSS-E G 7/8"	G 7/8 "	14 mm	160 mm	28.25 mm	1	186745
"TAP HLE 5156/35 HSS-E G 1/4"" G	G 1/4 "	19 mm	100 mm	11.75 mm	1	186739
"TAP HLE 5156/35 HSS-E G 3/8"" G	G 3/8 "	19 mm	100 mm	15.25 mm	1	186741
"TAP HLE 5156B HSS-E G 1/4"" G	G 1/4 "	19 mm	100 mm	11.75 mm	1	186730
"TAP HLE 5156B HSS-E G 3/8"" G	G 3/8 "	19 mm	100 mm	15.25 mm	1	186731
"TAP HLE 5156/35 HSS-E G 1/8"" G	G 1/8 "	28 mm	90 mm	8.7 mm	1	186738
"TAP HLE 5156B HSS-E G 1/8"" G	G 1/8 "	28 mm	90 mm	8.7 mm	1	186729

AGR: 10.141

Machine Taps DIN 374 form B MF metric fine thread red ring

- 4-5-gear first cut with spiral point for through holes

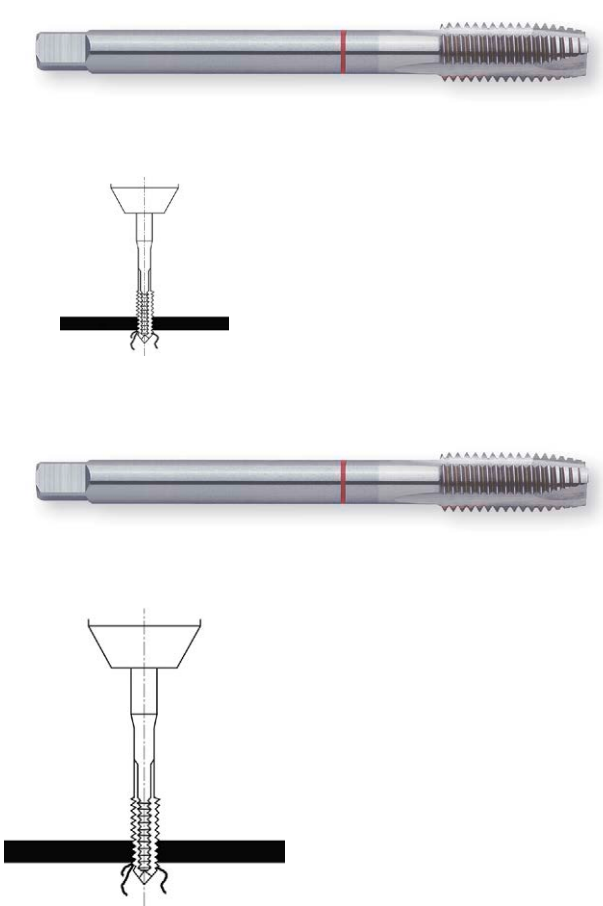
Application Area

- To cut internal threads for through holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

6

Characteristics

- MF: Metric standard thread



Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 374 Mf Type B	MF 6	0.75 mm	80 mm	5.25 mm	1	186815
TAP HLE 374B HSS-E MF 8x0,75 R	MF 8	0.75 mm	80 mm	7.25 mm	1	186816
Single Cut Tap DIN 374 Mf Type B	MF 8	1 mm	90 mm	7 mm	1	186817
Single Cut Tap DIN 374 Mf Type B	MF 10	1 mm	90 mm	9 mm	1	186818
Single Cut Tap DIN 374 Mf Type B	MF 10	1.25 mm	100 mm	8.75 mm	1	186819
TAP HLE 374B HSS-E MF 12x1,00	MF 12	1 mm	100 mm	11 mm	1	186820
Single Cut Tap DIN 374 Mf Type B	MF 12	1.25 mm	100 mm	10.75 mm	1	186821
TAP HLE 374B HSS-E MF 12x1,50	MF 12	1.5 mm	100 mm	10.5 mm	1	186822
TAP HLE 374B HSS-E MF 14x1,00	MF 14	1 mm	100 mm	13 mm	1	186823
TAP HLE 374B HSS-E MF 14x1,25	MF 14	1.25 mm	100 mm	12.75 mm	1	186824
Single Cut Tap DIN 374 Mf Type B	MF 14	1.5 mm	100 mm	12.5 mm	1	186825
TAP HLE 374B HSS-E MF 16x1,00	MF 16	1 mm	100 mm	15 mm	1	186826
Single Cut Tap DIN 374 Mf Type B	MF 16	1.5 mm	100 mm	14.5 mm	1	186827
TAP HLE 374B HSS-E MF 18x1,00	MF 18	1 mm	110 mm	17 mm	1	186828
TAP HLE 374B HSS-E MF 18x1,50	MF 18	1.5 mm	110 mm	16.5 mm	1	186829
TAP HLE 374B HSS-E MF 18x2,00	MF 18	2 mm	125 mm	16 mm	1	186830
TAP HLE 374B HSS-E MF 20x1,00	MF 20	1 mm	125 mm	19 mm	1	186831
TAP HLE 374B HSS-E MF 20x1,50	MF 20	1.5 mm	125 mm	18.5 mm	1	186832
TAP HLE 374B HSS-E MF 20x2,00	MF 20	2 mm	140 mm	18 mm	1	186833
TAP HLE 374B HSS-E MF 22x1,00	MF 22	1 mm	125 mm	21 mm	1	186834
TAP HLE 374B HSS-E MF 22x1,50	MF 22	1.5 mm	125 mm	20.5 mm	1	186835
TAP HLE 374B HSS-E MF 22x2,00	MF 22	2 mm	140 mm	20 mm	1	186836
TAP HLE 374B HSS-E MF 24x1,00	MF 24	1 mm	140 mm	23 mm	1	186837
TAP HLE 374B HSS-E MF 24x1,50	MF 24	1.5 mm	140 mm	22.5 mm	1	186838

AGR: 10.141

Machine Taps DIN 374 35° MF metric fine thread red ring

- 2-3-gear first cut 35° right-hand spiral for blind holes

Application Area

- To cut internal threads for blind holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

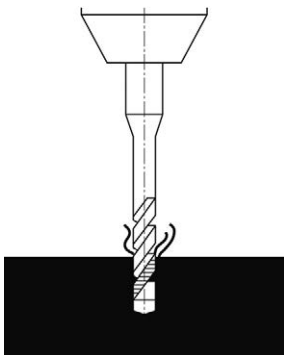
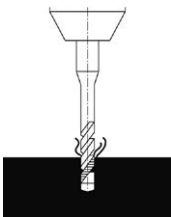
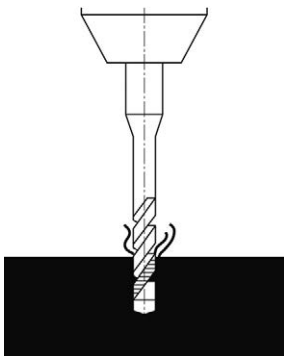


INTERNAL/Approved (2019-03-22 20:21:25)

Thread taps / threading dies

Characteristics

- MF: Metric standard thread



6

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
TAP HLE 374/35 HSS-E MF 6x0,75	MF 6	0.75 mm	80 mm	5.25 mm	1	186839
TAP HLE 374/35 HSS-E MF 8x0,75	MF 8	0.75 mm	80 mm	7.25 mm	1	186840
Single Cut Tap DIN 374 Mf Type 35°	MF 8	1 mm	90 mm	7 mm	1	186841
Single Cut Tap DIN 374 Mf Type 35°	MF 10	1 mm	90 mm	9 mm	1	186842
TAP HLE 374/35 HSS-E MF 10x1,2	MF 10	1.25 mm	100 mm	8.75 mm	1	186843
Single Cut Tap DIN 374 Mf Type 35°	MF 12	1 mm	100 mm	11 mm	1	186844
TAP HLE 374/35 HSS-E MF 12x1,2	MF 12	1.25 mm	100 mm	10.75 mm	1	186845
TAP HLE 374/35 HSS-E MF 12x1,5	MF 12	1.5 mm	100 mm	10.5 mm	1	186846
TAP HLE 374/35 HSS-E MF 14x1,0	MF 14	1 mm	100 mm	13 mm	1	186847
TAP HLE 374/35 HSS-E MF 14x1,2	MF 14	1.25 mm	100 mm	12.75 mm	1	186848
Single Cut Tap DIN 374 Mf Type 35°	MF 14	1.5 mm	100 mm	12.5 mm	1	186849
TAP HLE 374/35 HSS-E MF 16x1,0	MF 16	1 mm	100 mm	15 mm	1	186850

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Thread taps / threading dies

Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Tap DIN 374 Mf Type 35°	MF 16	1.5 mm	100 mm	14.5 mm	1	186851
TAP HLE 374/35 HSS-E MF 18x1,0	MF 18	1 mm	110 mm	17 mm	1	186852
TAP HLE 374/35 HSS-E MF 18x1,5	MF 18	1.5 mm	110 mm	16.5 mm	1	186853
TAP HLE 374/35 HSS-E MF 18x2,0	MF 18	2 mm	125 mm	16 mm	1	186854
TAP HLE 374/35 HSS-E MF 20x1,0	MF 20	1 mm	125 mm	19 mm	1	186855
TAP HLE 374/35 HSS-E MF 20x1,5	MF 20	1.5 mm	125 mm	18.5 mm	1	186857
TAP HLE 374/35 HSS-E MF 20x2,0	MF 20	2 mm	140 mm	18 mm	1	186858
TAP HLE 374/35 HSS-E MF 22x1,0	MF 22	1 mm	125 mm	21 mm	1	186859
TAP HLE 374/35 HSS-E MF 22x1,5	MF 22	1.5 mm	125 mm	20.5 mm	1	186860
TAP HLE 374/35 HSS-E MF 22x2,0	MF 22	2 mm	140 mm	20 mm	1	186861
TAP HLE 374/35 HSS-E MF 24x1,0	MF 24	1 mm	140 mm	23 mm	1	186862
TAP HLE 374/35 HSS-E MF 24x1,5	MF 24	1.5 mm	140 mm	22.5 mm	1	186863

AGR: 10.141

Thread taps / threading dies

Machine Taps DIN 371/376 form B Standard

Application Area

- For cutting internal threads for through holes

Characteristics

- Metric coarse thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with transmitted shaft

Scope Of Delivery

- Depending 1 Nick Machine Taps: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable plastic box



Title	PU Assortment	Article No.
TAP HLE SET 371 M3-M12	1	186722
AGR: 10.141		
Scope Of Supply	Piece	Article No.
Single Cut Tap DIN371/B M3	1	224685
Single Cut Tap DIN371/B M4	1	224693
Single Cut Tap DIN371/B M5	1	224766
Single Cut Tap DIN371/B M6	1	224774
Single Cut Tap DIN371/B M8	1	224790
Single Cut Tap DIN371/B M10	1	224804
Single Cut Tap DIN376/B M12	1	224855

Machine Taps DIN 371/376 35° Standard

Application Area

- For cutting internal threads for blind holes

Characteristics

- Metric coarse thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shank
- DIN 376: M12 with transmitted shaft

Scope Of Delivery

- Depending 1 Nick Machine Taps: M3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable plastic box



Title	PU Assortment	Article No.
TAP HLE SET 371/35 M3-M12	1	186728
AGR: 10.141		
Scope Of Supply	Piece	Article No.
Single Cut Tap DIN371/C M3	1	224863
Single Cut Tap DIN371/C M4	1	224871
Single Cut Tap DIN371/C M5	1	224880
Single Cut Tap DIN371/C M6	1	224910
Single Cut Tap DIN371/C M8	1	225053
Single Cut Tap DIN371/C M10	1	225070
Single Cut Tap DIN371/C M12	1	225088

INTERNAL/Approved (2019-03-22 20:22:06)

TAP HLE SET

Application Area

- To cut internal threads for through holes
- High-performance machine taps for universal use
- Steels up to max. 1000 N/mm²

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable casket



Title	PU Assortment	Article No.
DIN 371 HSS-E	1	186765

AGR: 10.141

Scope Of Supply	Piece	Article No.
TAP HLE 371B HSS-E M 3 GR	1	186747
TAP HLE 371B HSS-E M 4 GR	1	186748
TAP HLE 371B HSS-E M 5 GR	1	186749
TAP HLE 371B HSS-E M 6 GR	1	186750
TAP HLE 371B HSS-E M 8 GR	1	186751
TAP HLE 371B HSS-E M 10 GR	1	186752
TAP HLE 376B HSS-E M 12 GR	1	186753

TAP HLE SET 371/35 M3-M12 GR

Application Area

- To cut internal threads for blind holes
- High-performance machine taps for universal use
- Steels up to max. 1000 N/mm²

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable casket

Title	PU Assortment	Article No.
TAP HLE SET 371/35 M3-M12 GR	1	186786
AGR: 10.141		

TAP HLE SET 371B M3-M12 RR

Application Area

- To cut internal threads for through holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10 and M 12
- In a stable casket



Title	PU Assortment	Article No.
Machine Taps DIN 371 / 376 form B red Ring	1	186800

AGR: 10.141

Scope Of Supply	Piece	Article No.
TAP HLE 371B HSS-E M 3 RR	1	186787
TAP HLE 371B HSS-E M 4 RR	1	186788
TAP HLE 371B HSS-E M 5 RR	1	186789
TAP HLE 371B HSS-E M 6 RR	1	186790
TAP HLE 371B HSS-E M 8 RR	1	186791
TAP HLE 371B HSS-E M 10 RR	1	186792
TAP HLE 376B HSS-E M 12 RR	1	186793

TAP HLE SET 371/35 M3-M12 RR

Application Area

- To cut internal threads for blind holes
- High-performance machine taps for alloyed steel up to max. 1400 N/mm²

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10 and M 12
- In a stable casket

Title	PU Assortment	Article No.
Machine Taps DIN 371 / 376 35° red ring	1	186814
AGR: 10.141		

Thread taps / threading dies

Machine Taps DIN 371/376 form B blue ring

Application Area

- For cutting internal threads for through holes

Characteristics

- Metric coarse thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with transmitted shaft

Scope Of Delivery

- Depending 1 Nick Machine Taps: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable plastic box



Title	PU Assortment	Article No.
TAP HLE SET 371B M3-M12 BR	1	186869
AGR: 10.141		
Scope Of Supply	Piece	Article No.
Single Cut Tap DIN 371 Type B M3 with vaporization	1	225096
Single Cut Tap DIN 371 Type B M4 with vaporization	1	225533
Single Cut Tap DIN 371 Type B M5 with vaporization	1	225681
Single Cut Tap DIN 371 Type B M6 with vaporization	1	225711
Single Cut Tap DIN 371 Type B M8 with vaporization	1	225797
Single Cut Tap DIN 371 Type B M10 with vaporization	1	226289
TAP HLE 376B HSS-E M 12 VA BR	1	226556

Machine Taps DIN 371/376 35° blue ring

Application Area

- For cutting internal threads for blind holes

Characteristics

- Metric coarse thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with transmitted shaft

Scope Of Delivery

- Depending 1 Nick Machine Taps: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable plastic box



Title	PU Assortment	Article No.
TAP HLE SET 371/35 M3-M12 BR	1	186875
AGR: 10.141		
Scope Of Supply	Piece	Article No.
Single Cut Tap DIN 371 Type B M3 with vaporization	1	226750
Single Cut Tap DIN 371 Type B M4 with vaporization	1	227005
Single Cut Tap DIN 371 Type C M5 with Vaporization	1	445799
Single Cut Tap DIN 371 Type B M6 with vaporization	1	227021
Single Cut Tap DIN 371 Type C with Vaporization	1	445801
Single Cut Tap DIN 371 Type B M 10 with vaporization	1	227048
TAP HLE 376C/35 HSS-E M 12 VA	1	227080

INTERNAL/Approved (2019-03-22 20:22:48)

TAP HLE SET 371B M3-M12 TIALN

Application Area

- To cut internal threads for through holes
- For specially hard materials

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable casket

Title	PU Assortment	Article No.
TAP HLE SET 371B M3-M12 TIALN	1	186905

AGR: 10.141

TAP HLE SET

Application Area

- To cut internal threads for through holes
- For specially hard materials

Characteristics

- Metric standard thread, material HSS-E
- DIN 371: M3 to M10 with reinforced shaft
- DIN 376: M12 with failing shaft

Scope Of Delivery

- Cut machine tap, one of each: M 3, M 4, M 5, M 6, M 8, M 10, M 12
- In a stable casket



Title	PU Assortment	Article No.
TAP HLE SET 371/35 M3-M12 TIAL	1	186920

AGR: 10.141

Scope Of Supply	Piece	Article No.
TAP HLE 371/35 HSS-E M 3 TIALN	1	186906
TAP HLE 371/35 HSS-E M 4 TIALN	1	186907
TAP HLE 371/35 HSS-E M 5 TIALN	1	186908
TAP HLE 371/35 HSS-E M 6 TIALN	1	186909
TAP HLE 371/35 HSS-E M 8 TIALN	1	186911
TAP HLE 371/35 HSS-E M 10 TIAL	1	186912
TAP HLE 376/35 HSS-E M 12 TIAL	1	186913

INTERNAL/Approved (2019-03-22 20:22:57)

Thread taps / threading dies

Combi Tap Drill

- Drilling, thread cutting and deburring in one operation
- 1/4"-6-hexagon drive for safe support in 3-chucks and bit recordings
- Fast change of the workpiece on bit recordings

Application Area

- On all slow twisting drilling machines with right-hand and left-hand operation
- Construction steel and non-ferrous metals up to 600 N/mm² longitudinal strength
- Max. material thickness = 1 x nominal diameter

Processing Information

- Speeds according to the cutting speed of the single workpiece
- Cooling and greasing can considerably increase the lifetime

Technical Data

Adapter Of The Hole Saw

Hexagon



Title	Thread	Length	Pitch	Spiraldrill-Ø	Rotation Speed Maximum R/Min By Cu / Alu	Rotation Speed R/Min By Steel	PU Piece	Article No.
Combi Tap Drill Bit	M 3	36 mm	0.5 mm	2.5 mm	1900 r/min	1600 r/min	1	830305
Combi Tap Drill Bit	M 4	39 mm	0.7 mm	3.3 mm	1500 r/min	1200 r/min	1	830313
Combi Tap Drill Bit	M 5	41 mm	0.8 mm	4.2 mm	1200 r/min	950 r/min	1	830321
Combi Tap Drill Bit	M 6	44 mm	1 mm	5 mm	950 r/min	800 r/min	1	830330
Combi Tap Drill Bit	M 8	50 mm	1.25 mm	6.8 mm	700 r/min	600 r/min	1	830348
Combi Tap Drill Bit	M 10	59 mm	1.5 mm	8.5 mm	550 r/min	450 r/min	1	830356

AGR: 10.146

INTERNAL/Approved (2019-03-22 20:23:01)

Combi Tap Drill Bit Box 6pcs

- Material: HSS
- Coating: TiN = titanium nitride

Characteristics

- Drilling, tapping and deburring in one operation
- 1/4 "hex drive for secure hold in 3-jaw chucks and bitmounting
- Fast tool change for bitmaps

Scope Of Delivery

- 1 piece M 3, M 4, M 5, M 6, M 8, M 10
- In a steady brass Box



Thread taps / threading dies

Combi-tool HSS TIN

- Drilling, tapping and deburring in one operation
- 1/4"-hexagonal drive for safe support in 3-chucks and bit holdings
- Increased elasticity of bending because of a heat-treated induction zone (patented)

Application Area

- All slowly rotating drills with clockwise rotation and anti-clockwise rotation
- Structural steel and non-ferrous metals up to 600 N/mm² tensile strength
- Maximale strength oft the material = 1x nominal diameter

Characteristics

- Advantages of the TIN coating:
- High hardness, low coefficient of friction, increased service life, higher walking speed

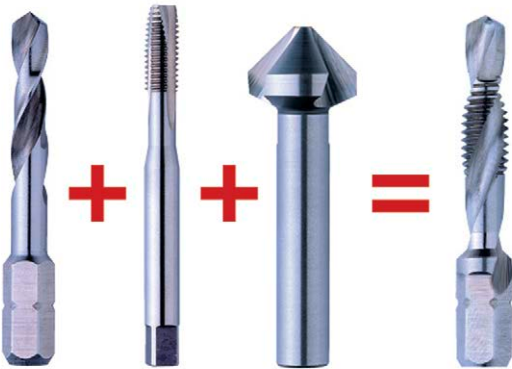
Processing Information

- Rotational speed corresponds to the walking speed of the individual tool
- Cooling and lubricating increases the service life

Technical Data

Adapter Of The Hole Saw

Hexagon



Title	Thread	Length	Pitch	Spiraldrill-Ø	Rotation Speed Maximum R/Min By Cu / Alu	Rotation Speed R/Min By Steel	PU Piece	Article No.
Combi Tap TIN	M 3	36 mm	0.5 mm	2.5 mm	1900 r/min	1600 r/min	1	187033
Combi Tap TIN	M 4	39 mm	0.7 mm	3.3 mm	1500 r/min	1200 r/min	1	187034
Combi Tap TIN	M 5	41 mm	0.8 mm	4.2 mm	1200 r/min	950 r/min	1	187035
Combi Tap TIN	M 6	44 mm	1 mm	5 mm	950 r/min	800 r/min	1	187036
Combi Tap TIN	M 8	50 mm	1.3 mm	6.8 mm	700 r/min	600 r/min	1	187037
Combi Tap TIN	M 10	59 mm	1.5 mm	8.5 mm	550 r/min	450 r/min	1	187038

AGR: 10.146

Combi-tool cassette HSS TIN

- Material: HSS
- Coating: TIN = titanium nitride

Characteristics

- Drilling, tapping and deburring in one operation
- 1/4 "hex drive for secure hold in 3-jaw chucks and bitmounting
- Fast tool change for bitmaps

Scope Of Delivery

- Combination tap, one of each: M3, M4, M5, M6, M8 und M10 + adapter
- In a stable casket



INTERNAL/Approved (2019-03-22 20:23:17)

Title	PU Assortment	Article No.
Combi tool HSS TIN	1	187039
AGR: 10.146		
Scope Of Supply	Piece	Article No.
COMBI-TAP HSSG TIN M 3	1	187033
COMBI-TAP HSSG TIN M 4	1	187034
COMBI-TAP HSSG TIN M 5	1	187035
COMBI-TAP HSSG TIN M 6	1	187036
COMBI-TAP HSSG TIN M 8	1	187037
COMBI-TAP HSSG TIN M 10	1	187038

Thread taps / threading dies

1/4" Bits-kierretappi

- 1/4"-hexagonal drive for safe support in 3-jaws and bit slots
- Fast tool change by Bit Slot

Application Area

- All slowly rotating drills with clockwise rotation and anti-clockwise rotation

Processing Information

- Cooling and lubricating increases the service life substantially



Title	Nominal dimension	Pitch	Length	Core Hole	PU Piece	Article No.
Single Cut Bit Tap	M 3	0.5 mm	33 mm	2.5 mm	1	059001
Single Cut Bit Tap	M 4	0.7 mm	35 mm	3.3 mm	1	059002
Single Cut Bit Tap	M 5	0.8 mm	36 mm	4.2 mm	1	059003
Single Cut Bit Tap	M 6	1 mm	39 mm	5 mm	1	059004
Single Cut Bit Tap	M 8	1.25 mm	40 mm	6.8 mm	1	059005
Single Cut Bit Tap	M 10	1.5 mm	41 mm	8.5 mm	1	059006

AGR: 10.146

Single Bit Screw Tap Set, Short

- 1/4" bit holder for quick-tool changes in cordless screwdrivers
- Extra short, thus ideally suited for re-cutting threads in hard to reach places in connection with a ring ratchet spanner
- Single cut tap- first, second and last tap in one operation
- Patented, magnetic bit holder in the free range provides easy chip evacuation
- Sturdy plastic case, fits in any tool box

Application Area

- For efficient thread cutting with cordless screwdrivers or trimming threads in a confined space.

Processing Information

- Suitable for steel and nonferrous metals up to 600 N/mm² tensile strength.
- Max material thickness = 1 x O (M 6 = 6 mm).



Title	PU Assortment	Article No.
Single Bit Screw Tap Set, Short	1	059000

AGR: 10.146

Scope Of Supply	Piece	Article No.
Single Cut Bit Tap M3 HSS	1	059001
Single Cut Bit Tap M4 HSS	1	059002
Single Cut Bit Tap M5 HSS	1	059003
Single Cut Bit Tap M6 HSS	1	059004
Single Cut Bit Tap M8 HSS	1	059005
Single Cut Bit Tap M10 HSS	1	059006



INTERNAL/Approved (2019-03-22 20:23:32)

Deburring Countersink

Application Area

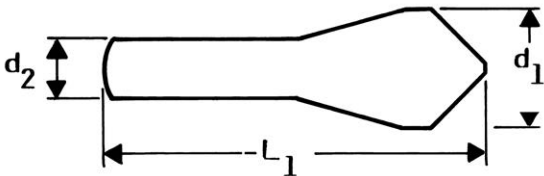
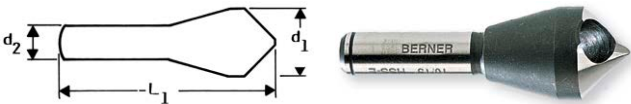
- Deburring and countersinking of drills
- Manual- and box column drill, slow rotary drilling machines

Processing Information

- Cooling and greasing can increases the lifetime

Technical Data

Material	HSS-E	
Norms	DIN 335	DIN 335



INTERNAL/Approved (2019-03-22 20:23:40)

Title	Countersunk	Diameter D1	Diameter D2	Length	PU Piece	Article No.
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Countersink DIN 335

Application Area

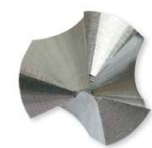
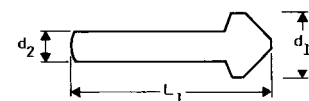
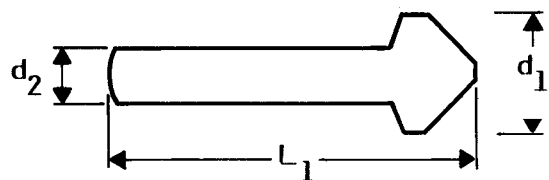
- Deburring and countersinking of holes
- For manual and box column drilling machines

Processing Information

- Cooling and greasing can increase the lifetime
- Not suitable for stainless steel and aluminium

Technical Data

Material	HSS
Norms	DIN 335



Title	Countersunk	Diameter D1	Diameter D2	Length	PU Piece	Article No.
C-SINK DIN 335C/90# 6.0	1.5 - 6 mm	6 mm	5 mm	45 mm	1	850349
Countersink DIN 335 HSS	2 - 8 mm	8 mm	6 mm	50 mm	1	310107
Countersink DIN 335 HSS	2.5 - 10 mm	10 mm	6 mm	50 mm	1	310123
Countersink DIN 335 HSS	2.8 - 11.5 mm	11.5 mm	8 mm	56 mm	1	310140
Countersink DIN 335 HSS	3.2 - 15 mm	15 mm	10 mm	60 mm	1	310166
C-SINK DIN 335C/90# 16.5	3.2 - 16.5 mm	16.5 mm	10 mm	60 mm	1	310174
Countersink DIN 335 HSS	3.5 - 19 mm	19 mm	10 mm	63 mm	1	310182
Countersink DIN 335 HSS	3.8 - 23 mm	23 mm	10 mm	67 mm	1	310204

AGR: 10.150

Countersink DIN 335 HSS-E

- For stainless steel (VA-material)

Application Area

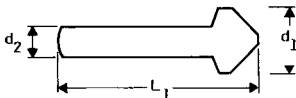
- For deburring and countersink

Characteristics

- Countersink 90°
- HSS-E=High speed steel E-class
- DIN 335 C With cylindrical shaft and 3 flutes

Hints

- Cooling and greasing increase the service-life



Title	Countersunk	Diameter D1	Diameter D2	Length	PU Piece	Article No.
COUNTERSINK HSS-E 6.3 MM	1.5 - 6.3 mm	6.3 mm	5.0 mm	45 mm	1	218884
COUNTERSINK HSS-E 8.3 MM	2.0 - 8.3 mm	8.3 mm	6.0 mm	50 mm	1	218885
COUNTERSINK HSS-E 10,4 MM	2.5 - 10.4 mm	10.4 mm	6.0 mm	50 mm	1	218886
COUNTERSINK HSS-E 12,4 MM	2.8 - 12.4 mm	12.4 mm	8.0 mm	56 mm	1	218887
COUNTERSINK HSS-E 16,5 MM	3.2 - 16.5 mm	16.5 mm	10.0 mm	60 mm	1	218888
COUNTERSINK HSS-E 20,5 MM	3.5 - 20.5 mm	20.5 mm	10.0 mm	63 mm	1	218889
COUNTERSINK HSS-E 25 MM	3.8 - 25 mm	25 mm	10 mm	67 mm	1	339285
COUNTERSINK HSS-E 31 MM	4.2 - 31 mm	31 mm	12 mm	71 mm	1	339286

AGR: 10.150

Countersinks and deburrers

Countersink DIN 335 HSS-E Cassette

- For stainless steel (VA-material)

Application Area

- For deburring and countersink

Hints

- Cooling and greasing increase the service-life



Title	PU Assortment	Article No.
Countersink DIN 335 HSS-E Cassette	1	218883
AGR: 10.150		
Scope Of Supply	Piece	Article No.
COUNTERSINK HSS-E 6.3 MM	1	218884
COUNTERSINK HSS-E 8.3 MM	1	218885
COUNTERSINK HSS-E 10,4 MM	1	218886
COUNTERSINK HSS-E 12,4 MM	1	218887
COUNTERSINK HSS-E 16,5 MM	1	218888
COUNTERSINK HSS-E 20,5 MM	1	218889

INTERNAL/Approved (2019-03-22 20:24:02)

Countersinker Bit 1/4"

- 1/4"-hexagon drive for safe support in 3-jaws and bit slot
- Fast tool change by Bit Slot

Application Area

- Deburring and countersinking of holes
- Hand- and box column drilling machines, deburrers and slow rotary nut runners

Processing Information

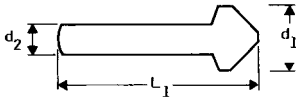
- Cooling and greasing can increase the lifetime

Technical Data

Material	HSS
Norms	DIN 335

Title	Countersunk	Diameter D1	Diameter D2	Length	PU Piece	Article No.
Countersinker Bit	1.5 - 6.3 mm	6.5 mm	5 mm	31.7 mm	1	543756
Countersinker Bit	2 - 8.3 mm	8.4 mm	6 mm	31.7 mm	1	543764
Countersinker Bit	2.5 - 10.4 mm	10.5 mm	6 mm	34.7 mm	1	543772
Countersinker Bit	2.8 - 12.4 mm	12.6 mm	8 mm	35.7 mm	1	543780
Countersinker Bit	3.2 - 16.5 mm	16.6 mm	10 mm	40.2 mm	1	543799
Countersinker Bit	3.5 - 20.5 mm	20.7 mm	10 mm	41.1 mm	1	543802

AGR: 10.150



Countersinks and deburrers

Countersink Bit Set 6 Part

- Fast tool change by Bit Slot
- Delivery in a rugged metal case

Characteristics

- Deburring and countersinking of holes
- Hand- and box column drilling machines, deburrers and slow rotary nut runners

Processing Information

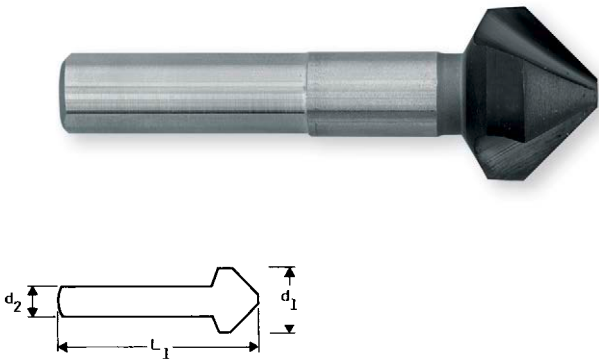
- Cooling and greasing can increase the lifetime

Title	PU Assortment	Article No.
Countersinker Bit Set	1	543748
AGR: 10.150		
Scope Of Supply	Piece	Article No.
Countersinker Bit 6.3 mm	1	543756
Countersinker Bit 8.3 mm	1	543764
Countersinker Bit 10.4 mm	1	543772
Countersinker Bit 12.4 mm	1	543780
Countersinker Bit 16.5 mm	1	543799
Countersinker Bit 20.5 mm	1	543802



Countersink DIN 335 HSS-E TiAlN

- Optimized cutting geometry through harmonic division
- Up to 50% longer service life
- Up to 25% faster sinking
- Extremely quiet running
- Patented ROTASTOP system
- No slipping in the chuck
- 100% torque transmission
- Highest cutting speed
- Ceramic surface minimizes friction
- TiAlN coating suitable for dry machining



Title	Countersunk	Diameter D1	Diameter D2	Length	PU Piece	Article No.
COUNTER SINK TIALN 6.3 MM	1.5 - 6.3 mm	6.3 mm	5.0 mm	45 mm	1	340828
COUNTER SINK TIALN 8.3 MM	2.0 - 8.3 mm	8.3 mm	6.0 mm	50 mm	1	340829
COUNTER SINK TIALN 10,4 MM	2.5 - 10.4 mm	10.4 mm	6.0 mm	50 mm	1	340830
COUNTER SINK TIALN 12,4 MM	2.8 - 12.4 mm	12.4 mm	8.0 mm	56 mm	1	340831
COUNTER SINK TIALN 16,5 MM	3.2 - 16.5 mm	16.5 mm	10.0 mm	60 mm	1	340832
COUNTER SINK TIALN 20,5 MM	3.5 - 20.5 mm	20.5 mm	10.0 mm	63 mm	1	340833
COUNTER SINK TIALN 25,0 MM	3.8 - 25.0 mm	25.0 mm	10.0 mm	67 mm	1	340834
COUNTER SINK TIALN 31,0 MM	4.2 - 31.0 mm	31.0 mm	12.0 mm	71 mm	1	340826

AGR: 10.150

Countersinks and deburrers

Countersink Assortment DIN 335 HSS-E TiAlN

- Optimized cutting geometry through harmonic division
- Up to 50% longer service life
- Up to 25% faster sinking
- Extremely quiet running
- Patented ROTASTOP system
- No slipping in the chuck
- 100% torque transmission
- Highest cutting speed
- Ceramic surface minimizes friction
- TiAlN coating suitable for dry machining

Application Area

- Universally applicable for steel, stainless steel, aluminium, hardox

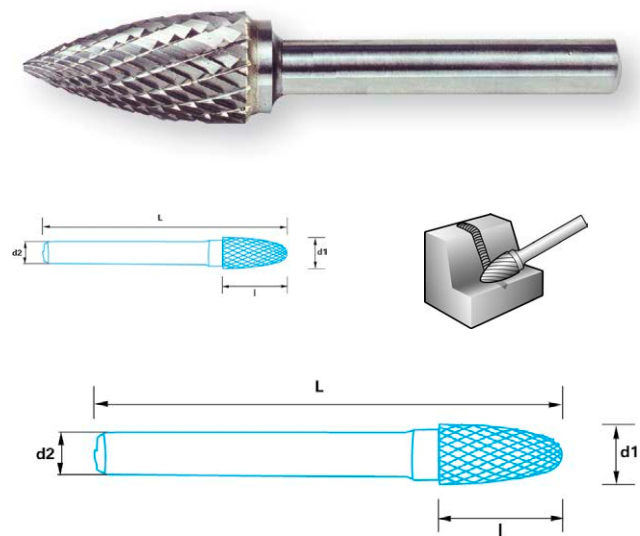


Title		PU Assortment	Article No.
COUNTER SINK CASSETTE TIALN		1	340827
AGR: 10.150			
Scope Of Supply		Amount	Article No.
COUNTER SINK TIALN 10,4 MM		1	340830
COUNTER SINK TIALN 12,4 MM		1	340831
COUNTER SINK TIALN 16,5 MM		1	340832
COUNTER SINK TIALN 20,5 MM		1	340833
COUNTER SINK TIALN 6.3 MM		1	340828
COUNTER SINK TIALN 8.3 MM		1	340829

Carbide Mill Ogival SPG

Technical Data

ShapeOgival



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
Carbide mill ogival SPG 0618	6 mm	16 mm	6 mm	50 mm	1	145676
Carbide mill ogival SPG 1020	10 mm	20 mm	6 mm	65 mm	1	145675
Carbide mill ogival SPG 1225	12.7 mm	25.4 mm	6 mm	70 mm	1	145673

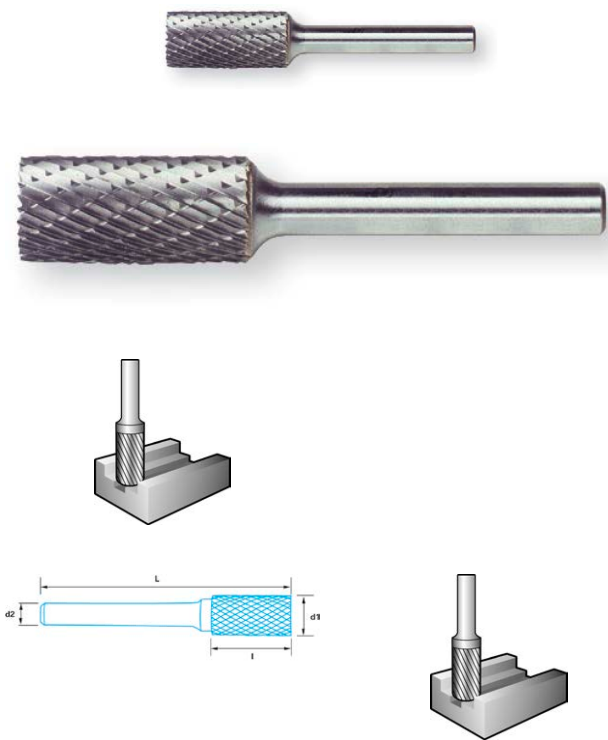
AGR: 10.383

Milling cutters

Carbide Cylindrical Ogival Mill with cylindrical gear toothing ZYAS

Technical Data

Shape Cylindrical with radial serrations



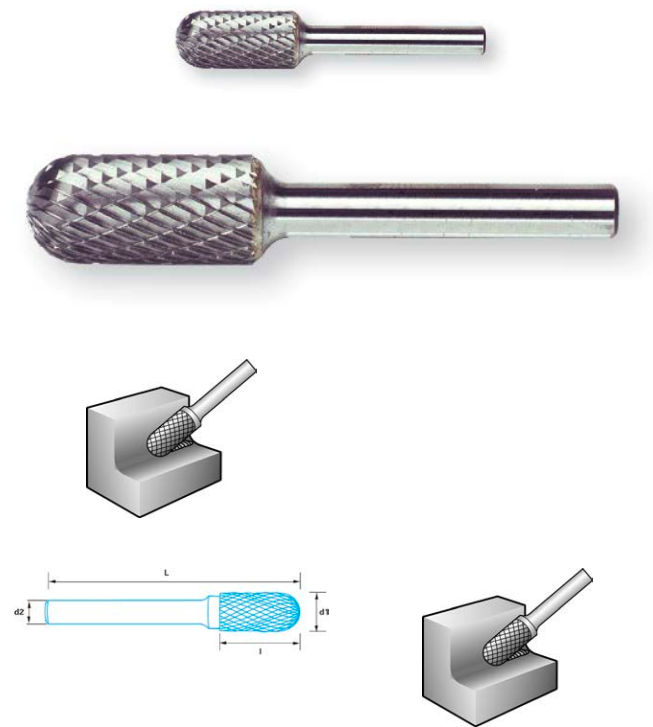
Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.CYLINDR.3X3MM	3 mm	14 mm	3 mm	38 mm	1	150508
HM MILL CUT.CYLINDR.6X6MM	6 mm	16 mm	6 mm	60 mm	1	150510
Carbide cylindrical ogival mill ZYAS 0820	8 mm	20 mm	6 mm	65 mm	1	145672
Carbide cylindrical ogival mill ZYAS 1020	10 mm	20 mm	6 mm	65 mm	1	145671
Carbide cylindrical ogival mill ZYAS 1225	12.7 mm	25.4 mm	6 mm	70 mm	1	145666

AGR: 10.383

Carbide Round Shape Mill WRC

Technical Data

Shape Roller round



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.ROLL F.6X6	6 mm	16 mm	6 mm	50 mm	1	150515
Carbide Round Shape Mill WRC 0820	8 mm	20 mm	6 mm	65 mm	1	145667
HM MILL CUT.ROLL F.10X6	10 mm	20 mm	6 mm	65 mm	1	150516
Carbide Round Shape Mill WRC 1225	12 mm	20 mm	6 mm	65 mm	1	145668
HM MILL CUT.ROUND 12X6	12 mm	25 mm	6 mm	70 mm	1	150520

AGR: 10.383

INTERNAL/Approved (2019-03-22 20:25:03)

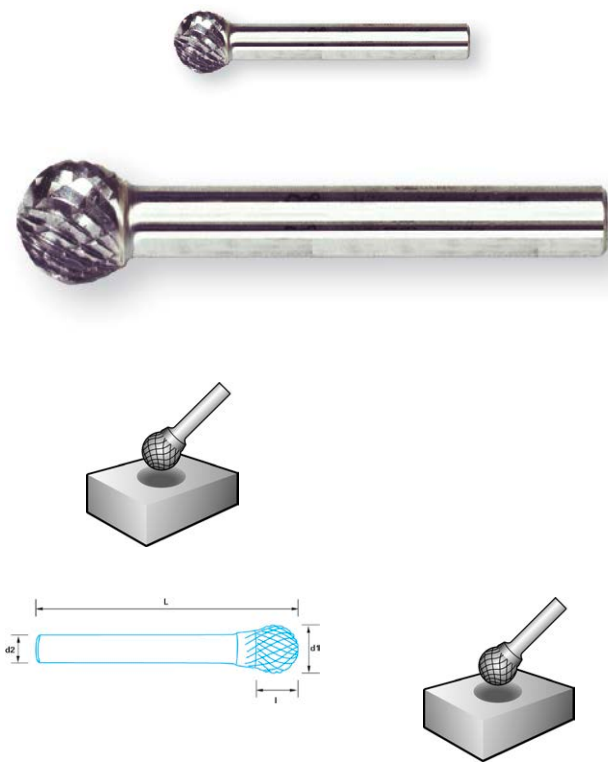
Milling cutters

Carbide Bowl Shape Mill KUD

Technical Data

Shape

Spherical



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.ROUND 3X3	3 mm	2.5 mm	3 mm	38 mm	1	150518
Carbide Metal Bowl Shape Mill KUD 0605	6 mm	5.5 mm	6 mm	50 mm	1	145669
HM MILL CUT.ROUND 8X6	8 mm	7 mm	6 mm	52 mm	1	150519
Carbide Metal Bowl Shape Mill KUD 1009	10 mm	9.5 mm	6 mm	53 mm	1	145664
Carbide Metal Bowl Shape Mill KUD 1210	12 mm	12 mm	6 mm	55 mm	1	024472

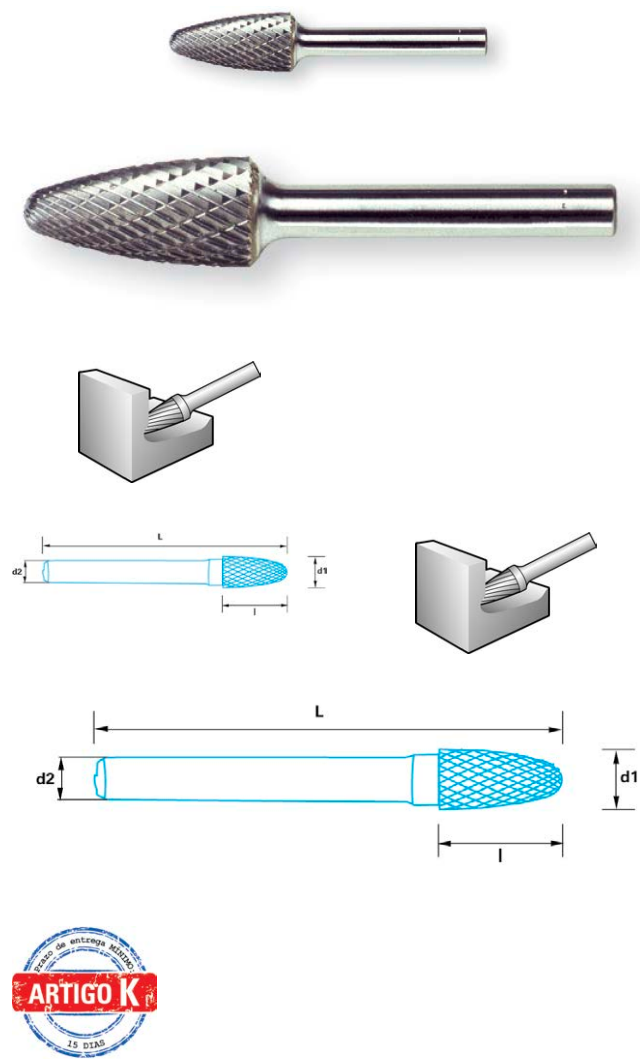
AGR: 10.383

INTERNAL/Approved (2019-03-22 20:25:10)

Carbide Round Arch Shape Mill RBF

Technical Data

Shape Semicircular arched



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.POINT.ARC.3X3	3 mm	12 mm	3 mm	38 mm	1	150521
Carbide Round Arch Shape Mill RBF	8 mm	18 mm	6 mm	63 mm	1	150522
Carbide Round Arch Shape Mill RBF 1020	9.5 mm	19 mm	6 mm	65 mm	1	145665
Carbide Round Arch Shape Mill RBF 1225	12.7 mm	25 mm	6 mm	70 mm	1	145674

AGR: 10.383

INTERNAL/Approved (2019-03-22 20:25:14)

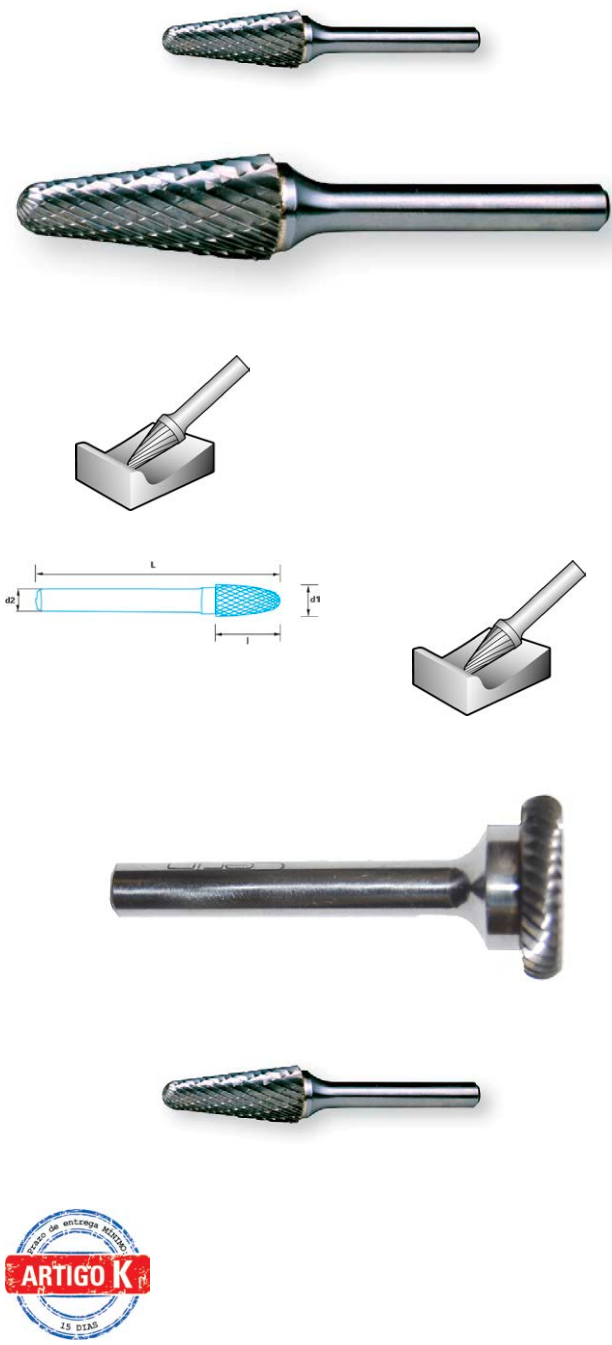
Milling cutters

Carbide Round Cone Shape KEL

Technical Data

Shape

Ogival



Title	Ø head	Head Length	Shaft Ø	Diameter External	Useable Length	Length total (mm)	PU Piece	Article No.
MILL CUTT.HM CONIC 321006/6	10 mm	28 mm	6 mm	-	-	73 mm	1	739464
Carbide Round Cone Shape KEL 1230	12.7 mm	30 mm	6 mm	12.7 mm	30 mm	75 mm	1	175742

AGR: 10.383

Carbide Milling Cutter Oval Flame Shape

Technical Data

Shape

Ogival



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
MILL CUTT.HM OVAL 371206/6	12 mm	21 mm	6 mm	66 mm	1	739502

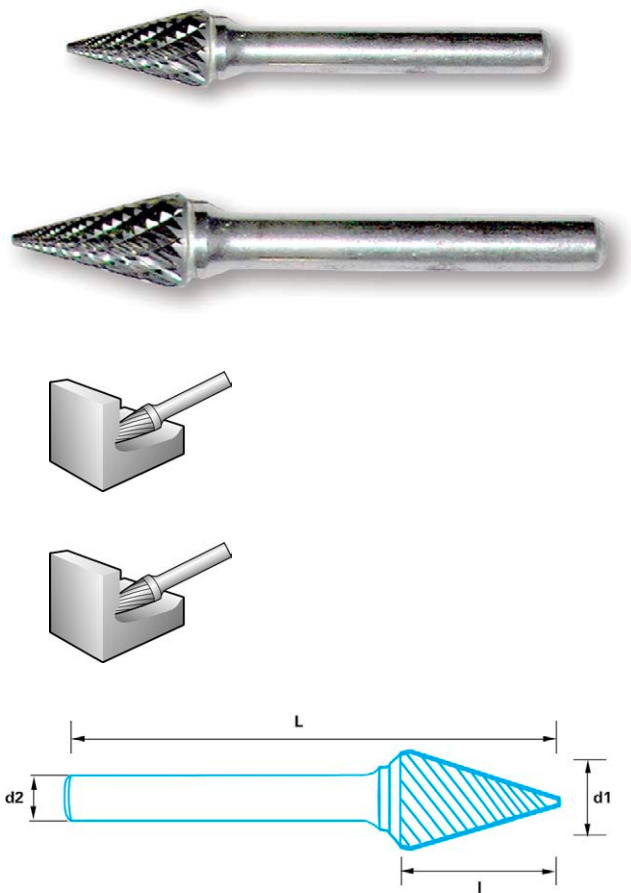
AGR: 10.383

Milling Cutter Taper Point

Technical Data

Shape

Ogival



6

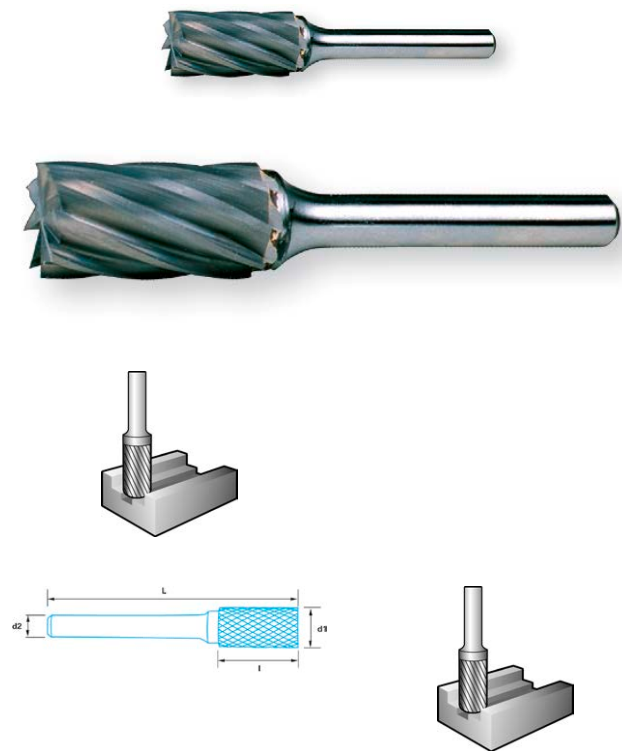
Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.CONE POINT 9.6MMX6	9.6 mm	19.2 mm	6 mm	64 mm	1	159452

AGR: 10.383

Carbide with Cylindrical Gear Toothing ZYAS

Technical Data

Shape Cylindrical with radial serrations



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
HM MILL CUT.CYAS1225 CYL ALU	12.7 mm	25.4 mm	6 mm	70 mm	1	175739
Carbide with Cylindrical Gear Toothing ZYAS	16 mm	25 mm	6 mm	70 mm	1	840742

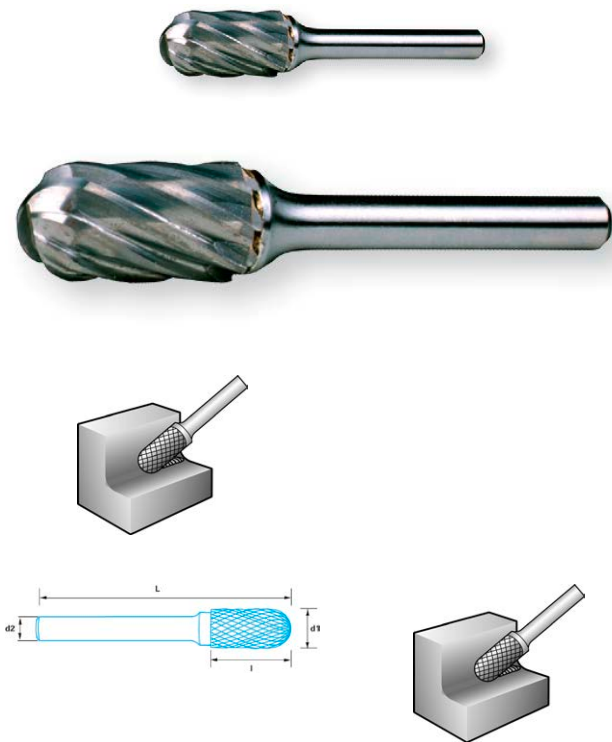
AGR: 10.383

Milling cutters

Carbide Round Shape Mill WRC

Technical Data

Shape	Roller round
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Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
Carbide Round Shape Mill Round WRC 1225	12 mm	25.4 mm	6 mm	70 mm	1	175740
Carbide Round Shape Mill WRC	16 mm	25 mm	6 mm	70 mm	1	840769

AGR: 10.383

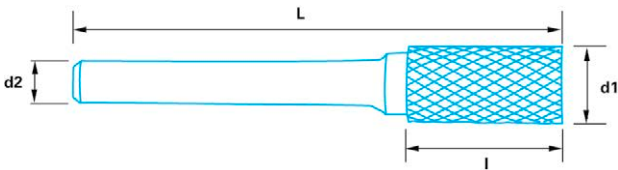
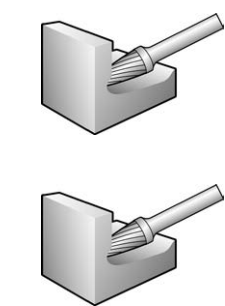
Carbide milling cutter oval shape WRC

Application Area

- Especially suitable for material aluminium

Technical Data

ShapeConical round



Title	Ø head	Head Length	Shaft Ø	Length total (mm)	PU Piece	Article No.
MILL CUTT.HM ALU CON 321006/1	10 mm	28 mm	6 mm	73 mm	1	840777
MILL CUTT.HM ALU CON 321606/1	16 mm	38 mm	6 mm	83 mm	1	840785

AGR: 10.383

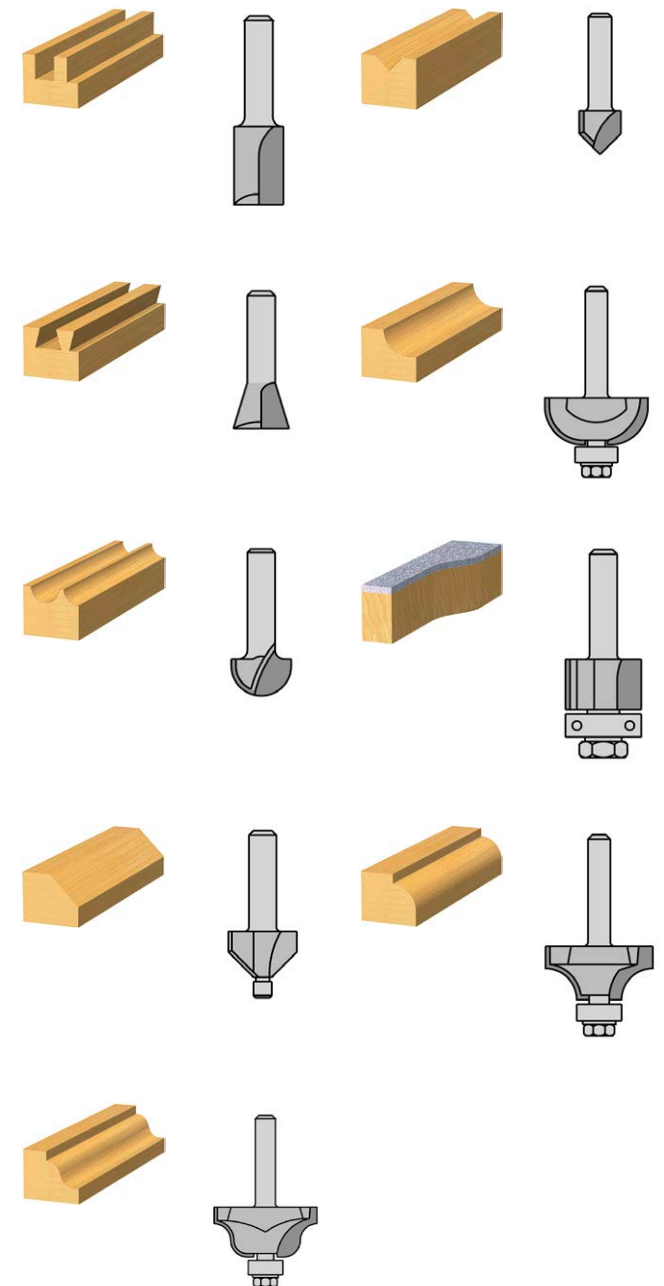
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Milling cutters

Carbide Mill Assortment 5pcs

Title	PU Piece	Article No.
Carbide Mill Assortment	1	175741
AGR: 10.381		
Scope Of Supply	Piece	Article No.
Carbide cylindrical ogival mill ZYAS 1225 12 mm	1	145666
Carbide Metal Bowl Shape Mill KUD 1210, 12 mm	1	024472
Carbide Round Cone Shape KEL 1230, 12 mm	1	175742
Carbide Round Shape Mill WRC 1225 12 mm length 55 mm	1	145668
Carbide mill ogival SPG 1225 12 mm	1	145673





Grooving cutter HW soild T2

Application Area

- Making of tongue and groove connections as well as for the attachment of finger tines and rabbets
- Ideally suitable for slotted holes and end-to-end milling edges



Milling cutters

Characteristics

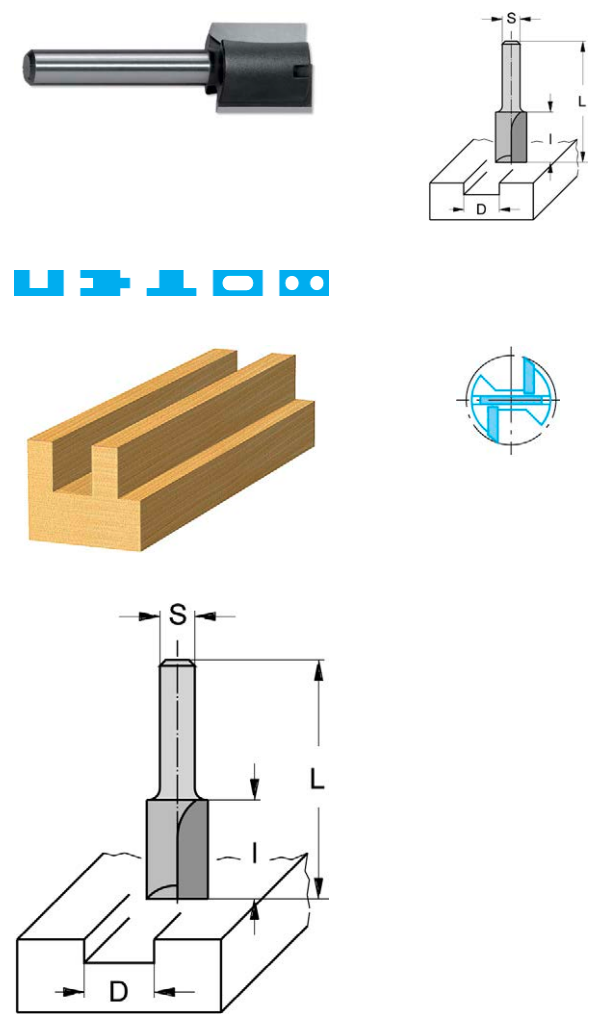
- Straight cut, ground on end or tungsten carbide tipped
- Stinging machining by equipped front cut unrestricted possible

Processing Information

- Soft and hard wood, chip and fibre materials (chipboard etc.) rough,
plastic-coated,veneered, etc., laminated wood (plywood, etc.).

Hints

- Axially parallel blades, front grinding in carbide



Title	Shaft Ø	Diameter External	Useable Length	Length total (mm)	PU Piece	Article No.
Grooving cutter HW solid T2	8 mm	5 mm	12 mm	45 mm	1	219167
Grooving cutter HW solid T2	8 mm	6 mm	14 mm	55 mm	1	219125
Grooving cutter HW solid T2	8 mm	8 mm	20 mm	55 mm	1	219127
Grooving cutter HW T2	8 mm	10 mm	20 mm	60 mm	1	219128
Grooving cutter HW T2	8 mm	12 mm	20 mm	60 mm	1	219129
Grooving cutter HW T2	8 mm	16 mm	20 mm	60 mm	1	219133
Grooving cutter HW T2	8 mm	20 mm	20 mm	60 mm	1	219135

AGR: 10.380

Edge trimming cutter HW

Application Area

- Flush milling of plastic and veneer edges as well as to copy after templates

Characteristics

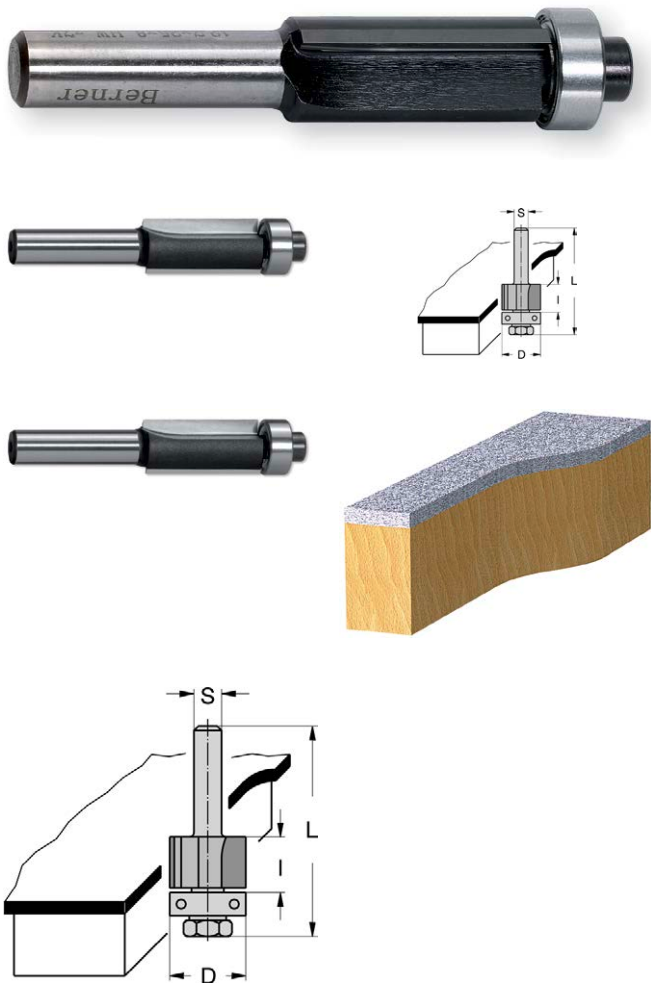
- Two-edged with replaceable ball bearing

Processing Information

- Soft and hard wood, chip and fibre materials (chipboard etc.) rough,
plastic-coated,veneered, etc., laminated wood (plywood, etc.).

Hints

- Ball bearing thrust ring which is placed at the bottom for milling with a template or with edges on the workpiece



Title	Shaft Ø	Diameter External	Useable Length	Length total (mm)	PU Piece	Article No.
Edge trimming cutter	8 mm	12.7 mm	25 mm	65 mm	1	219136

AGR: 10.380

Milling cutters

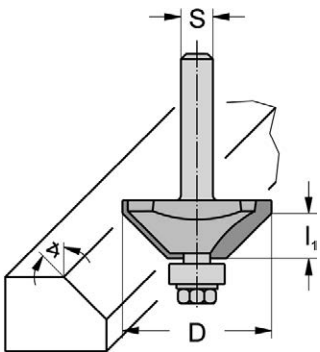
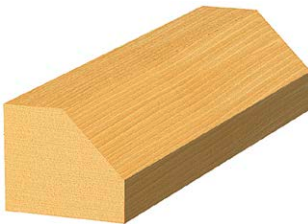
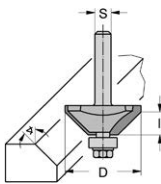
Bevel cutter HW

Application Area

- Bevelling and edge milling in different strengths

Characteristics

- Two carbide tipped cuts, peripheral cutting
- High-quality, replaceable ball bearing guarantees better guidance and higher durability



Title	Shaft Ø	Diameter External	Useable Length	Length total (mm)	Angle	PU Piece	Article No.
Bevel cutter	8 mm	26 mm	9.5 mm	47.8 mm	45 °	1	219137

AGR: 10.380

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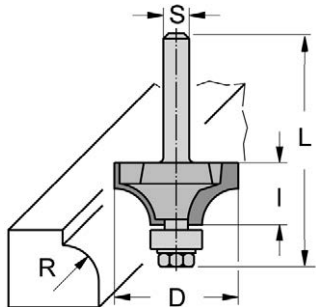
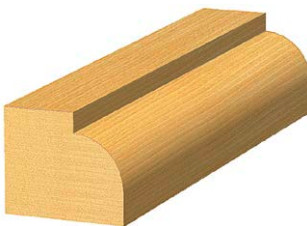
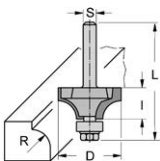
Radius cutter HW

Application Area

- Making of external radii at workpiece frameworks

Characteristics

- Two carbide tipped cuts, peripheral cutting
- High-quality, replaceable ball bearing guarantees better guidance and higher durability



Title	Shaft Ø	Diameter External	Length total (mm)	Radius R	PU Piece	Article No.
Radius cutter	8 mm	17.1 mm	49 mm	2.2 mm	1	219139
Radius cutter	8 mm	19.1 mm	50 mm	3.2 mm	1	219140
Radius cutter	8 mm	22.7 mm	52 mm	5 mm	1	219141
Radius cutter	8 mm	28.7 mm	55 mm	8 mm	1	219143
Radius cutter	8 mm	31.7 mm	56.5 mm	9.5 mm	1	219144

AGR: 10.380

Milling cutters

Wood Cutter Box HW - 10 pieces

- Higher precision and thereby precise work results
- Tighter tolerances, especially on the shank. Thus precise work results and gentler on chuck an machine
- The tighter tolerances has a positive effect for life of tool and machine
- Quality and durable ball bearing guides
- Ball bearing guide ring on bottom for use with template or guided by the workpeace edge

Application Area

- High-quality wood cutter assortment HW for making tongue and groove connections, edge trimmings, external radii, profiles as well as bevellings and roundings at the edges

Hints

- 10 pieces
- HM cutting
- Shaft Ø 8 mm
- Plastic case with foam inlay

Scope Of Delivery

- 1 x slot cutter HM Ø 10 mm
- 1 x slot cutter HM Ø 18 mm
- 1 x rounding cutter HM Ø 19 mm
- 1 x rounding cutter HM Ø 25.5 mm
- 1 x trimming cutter HM Ø 12.7 mm
- 1 x trimming cutter HM Ø 24 mm
- 1 x chamfer cutter HM Ø 24 mm
- 1 x jointing cutter HM Ø 13.8 mm
- 1 x rebating cutter HM Ø 31.7 mm
- 1 x flute cutter HM Ø 38.1 mm



6

Title	PU Assortment	Article No.
Wood Cutter Box Pro HW - 10 pieces	1	219146

AGR: 10.381

Formwork and installation drill with round shaft socket

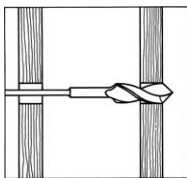
- Perfect round accuracy for precise holes
- High strength and resistance to breakage thanks to hard-wearing steel
- Corresponds to the newest safety-relevant requirements according to DIN 7490
- No jamming
 - Offset shaft with open helix runout
- Optimum chip removal in deep drill holes

Application Area

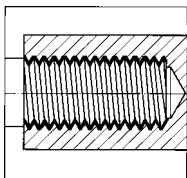
- Deep drilling through boardings, thin beams, boards, gypsum and light-weight building boards

Processing Information

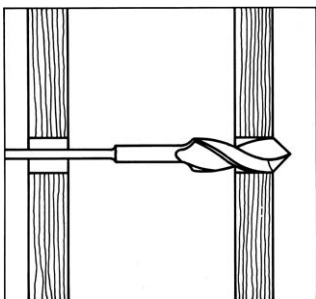
- Use only for rotary drilling!



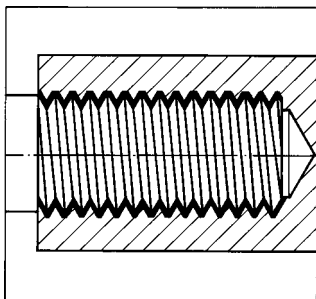
Deep drilling particularly to attach boardings



Shank screwed and glued together with the drilling blade



Deep drilling particularly to attach boardings



Shank screwed and glued together with the drilling blade



INTERNAL/Approved (2019-03-22 20:26:42)

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Formwork	8 mm	75 mm	400 mm	6 mm	Cylindric	1	116530
Formwork	8 mm	75 mm	600 mm	6 mm	Cylindric	1	032832
Formwork Drill	10 mm	87 mm	400 mm	6 mm	Cylindric	1	007730
Formwork Drill	10 mm	87 mm	600 mm	6 mm	Cylindric	1	706574
Formwork Drill	12 mm	100 mm	400 mm	9 mm	Cylindric	1	649015
Formwork Drill	12 mm	100 mm	600 mm	9 mm	Cylindric	1	706582
Formwork Drill	14 mm	100 mm	400 mm	9 mm	Cylindric	1	649023
Formwork Drill	14 mm	100 mm	600 mm	9 mm	Cylindric	1	032093
Formwork Drill	16 mm	100 mm	400 mm	9 mm	Cylindric	1	649031

Shuttering / installation drills

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Formwork Drill	16 mm	100 mm	600 mm	9 mm	Cylindric	1	032115
Formwork Drill	18 mm	100 mm	400 mm	9 mm	Cylindric	1	067482
Formwork Drill	18 mm	100 mm	600 mm	9 mm	Cylindric	1	032140
Formwork Drill	20 mm	100 mm	400 mm	9 mm	Cylindric	1	067466
Formwork Drill	20 mm	100 mm	600 mm	9 mm	Cylindric	1	032131
Formwork Drill	22 mm	100 mm	400 mm	9 mm	Cylindric	1	649040
Formwork Drill	22 mm	100 mm	600 mm	9 mm	Cylindric	1	706590
HSS BI METAL HOLE SAW 86 MM	24 mm	100 mm	600 mm	11 mm	Cylindric	1	706604
SHUTTERG DR 26X600	26 mm	100 mm	600 mm	11 mm	Cylindric	1	841463
HSS BI METAL HOLE SAW 86 MM	32 mm	100 mm	600 mm	11 mm	Cylindric	1	706612

AGR: 10.230

Form Work and Installation Drill with SDS-plus Socket

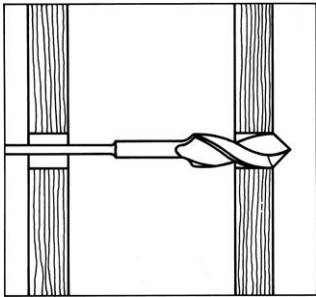
- Perfect round accuracy and minimized danger of fracture by metal glued fixed and fine thread connection of drill and shank
- High durability because the drilling point is made of high-grade steel
- Corresponds to the newest safety-relevant requirements according to DIN 7490

Application Area

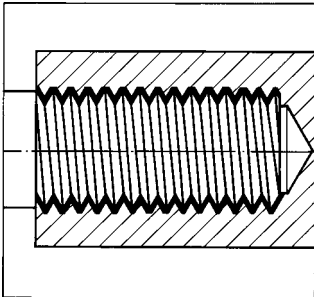
- Deep drilling through boardings, thin beams, boards, gypsum and light weight building boards

Processing Information

- Drilling without impact



Deep drilling particularly to attach boardings



Shank screwed and glued together with the drilling blade



Title	Ø	Working Length	Total Length	Drill shank	PU Piece	Article No.
Installation Drill with SDS-plus shank	10 mm	87 mm	400 mm	SDS plus	1	113577
Installation Drill with SDS-plus shank	10 mm	87 mm	600 mm	SDS plus	1	113578
Installation Drill with SDS-plus shank	12 mm	100 mm	400 mm	SDS plus	1	113580
Installation Drill with SDS-plus shank	12 mm	100 mm	600 mm	SDS plus	1	112516
Installation Drill with SDS-plus shank	14 mm	100 mm	600 mm	SDS plus	1	112517
Installation Drill with SDS-plus shank	16 mm	100 mm	600 mm	SDS plus	1	112519
Installation Drill with SDS-plus shank	18 mm	100 mm	400 mm	SDS plus	1	113585
Installation Drill with SDS-plus shank	18 mm	100 mm	600 mm	SDS plus	1	112520
Installation Drill with SDS-plus shank	20 mm	100 mm	400 mm	SDS plus	1	113586
Installation Drill with SDS-plus shank	20 mm	100 mm	600 mm	SDS plus	1	112521
Installation Drill with SDS-plus shank	22 mm	100 mm	600 mm	SDS plus	1	112522
Formwork drill	30 mm	100 mm	400 mm	SDS plus	1	115089

AGR: 10.231

INTERNAL/Approved (2019-03-22 20:27:04)

Wood Spiral Drill Bit Round Shank

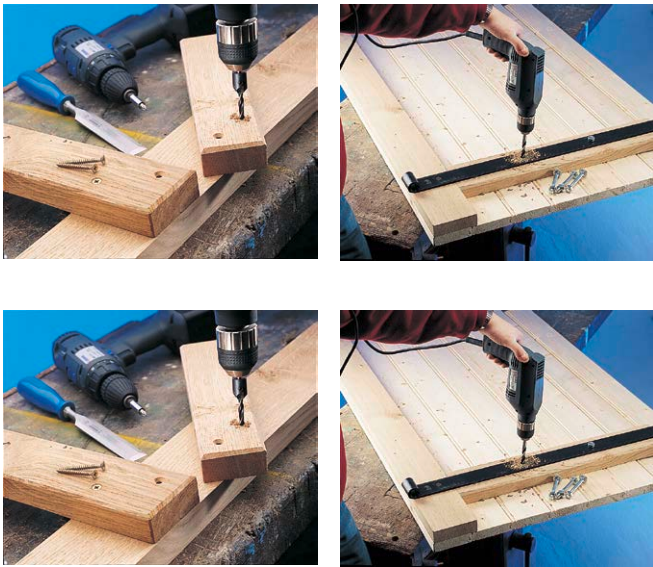
- Extra long service life due to chrome-vanadium-steel, made from one piece
- Circular boreholes due to center points and two main cutting edges which have the effect of taper taps

Application Area

- For accurate drillings in soft wood and hard wood, coated plates, chip boards, hard fiber boards. Optimally for plug hole drillings in massive wood

Processing Information

- Recommended rotational speed: 1500 - 3000 rpm



6

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Drill Bit	3 mm	33 mm	61 mm	3 mm	Cylindric	1	331961
Wood Drill Bit	4 mm	43 mm	75 mm	4 mm	Cylindric	1	332046
Wood Drill Bit	5 mm	52 mm	86 mm	5 mm	Cylindric	1	193496
Wood Drill Bit	6 mm	57 mm	93 mm	6 mm	Cylindric	1	193500
Wood Drill Bit	7 mm	69 mm	109 mm	7 mm	Cylindric	1	108994
Wood Drill Bit	8 mm	75 mm	117 mm	8 mm	Cylindric	1	193518
Wood Drill Bit	9 mm	81 mm	125 mm	8 mm	Cylindric	1	108997
Wood Drill Bit	10 mm	87 mm	133 mm	8 mm	Cylindric	1	193526
WOOD TW DRILLS 11X142 2 VS.	11 mm	90 mm	142 mm	8 mm	Cylindric	1	911106
Wood Drill Bit	12 mm	96 mm	151 mm	8 mm	Cylindric	1	311006
WOOD TW DRILLS 13X151 2 VS.	13 mm	96 mm	151 mm	10 mm	Cylindric	1	109000
WOOD TW DRILLS 14X160/108	14 mm	96 mm	151 mm	10 mm	Cylindric	1	311014
WOOD TW DRILLS 15X161	15 mm	120 mm	160 mm	10 mm	Cylindric	1	092204
WOOD TW DRILLS 16X161	16 mm	120 mm	161 mm	10 mm	Cylindric	1	090492

AGR: 10.200

INTERNAL/Approved (2019-03-22 20:27:08)

Wood Spiral Drill Bit Assortment

- Extra long service life due to chrome-vanadium-steel, made from one piece
- Circular boreholes due to center points and two main cutting edges which have the effect of taper taps

Application Area

- For accurate drillings in soft wood and hard wood, coated plates, chip boards, hard fiber boards. Optimally for plug hole drillings in massive wood

Characteristics

- Delivery in plastic case

Scope Of Delivery

- Content: 1 unit with Ø 3, 4, 5, 6, 7, 8, 9 and 10 mm

Title	PU Piece	Article No.
Wood Drill Bit 8 units content: Ø 3-10 mm	1	103404
AGR: 10.205		
Scope Of Supply	Piece	Article No.
Wood Drill Bit 3x61 mm	1	331961
Wood Drill Bit 4x75 mm	1	332046
Wood Drill Bit 5x86 mm	1	193496
Wood Drill Bit 6x93 mm	1	193500
Wood Drill Bit 7x109 mm	1	108994
Wood Drill Bit 8x117 mm	1	193518
Wood Drill Bit 9x125 mm	1	108997
Wood Drill Bit 10x133 mm	1	193526



Wood twist drill bit Premium

- Very precise starting due to the center point
- Drawn taper taps enable the pulling and severing of the wood fibre
- Made from high-qualtiy special steel

INTERNAL/Approved (2019-03-22 20:27:22)

Wood drills

Processing Information

- Recommended rotational speed: 1500 - 3000 rpm

Hints

- Suitable for the drilling of holes in all kinds of wood, glued laminated wood, MDF or acrylic glass



Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
WOOD TW DRILLS PREM 4X75 2VS.	4 mm	43 mm	75 mm	4 mm	Cylindric	1	084143
WOOD TW DRILLS PREM 5X85 2VS.	5 mm	52 mm	85 mm	5 mm	Cylindric	1	084144
WOOD TW DRILLS PREM 6X95 2VS.	6 mm	57 mm	95 mm	6 mm	Cylindric	1	084145
WOOD TW DRILLS PREM 7X110 2VS.	7 mm	70 mm	110 mm	7 mm	Cylindric	1	084146
WOOD TW DRILLS PREM 8X110 2VS.	8 mm	70 mm	110 mm	8 mm	Cylindric	1	084147
WOOD TW DRILLS PREM 9X110 2VS.	9 mm	70 mm	110 mm	8 mm	Cylindric	1	084148
WOOD TW DRILLS PREM 10X140 2VS	10 mm	100 mm	140 mm	8 mm	Cylindric	1	084149
WOOD TW DRILLS PREM 11X140 2VS	11 mm	100 mm	140 mm	8 mm	Cylindric	1	084150
WOOD TW DRILLS PREM 12X140 2VS	12 mm	100 mm	140 mm	8 mm	Cylindric	1	084151
WOOD TW DRILLS PREM 13X140 2VS	13 mm	100 mm	140 mm	8 mm	Cylindric	1	084152
WOOD TW DRILLS PREM 14X140 2VS	14 mm	100 mm	140 mm	8 mm	Cylindric	1	084153
WOOD TW DRILLS PREM 15X140 2VS	15 mm	100 mm	140 mm	8 mm	Cylindric	1	084154
WOOD TW DRILLS PREM 16X140 2VS	16 mm	100 mm	140 mm	8 mm	Cylindric	1	084155

AGR: 10.200

HSS - Step drill bit

- Extra long service life thanks to chrome-vanadium steel, made from one piece
- Circular boreholes through center point and 2 prong-like main cutting edges

Application Area

- Creation of precisely fitting step drillings in wooden furniture for the use of furniture compound screws

Processing Information

- Step 1: Ø 5 mm/Length 45 mm
- Step 2: Ø 7 mm/Length 18 mm
- Step 3: Ø 10 mm/Length 20 mm



Title	Drilling range	Shaft Ø	Number Of Hole Diameter	PU Piece	Article No.
HSS 3-Step Drill Bit	5 - 10 mm	8 mm	3 PC	1	447869

AGR: 10.229

INTERNAL/Approved (2019-03-22 20:27:38)

Wood Auger Bit with Hexagonal Shank

- Fast and fiberless space through special filament
- Precise drilling and good guidance due to extra long centering point
- Optimal chip removal prevents clogging of the filament, even with damp wood or deep holes

Application Area

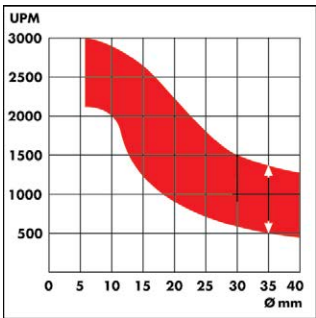
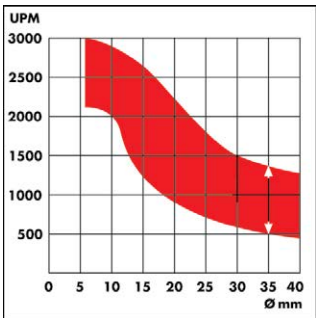
- Universal applications for drilling in soft wood and hard wood, e.g. throughholes for rafter nails, tenon holes, building screws and bar dowel drillings according to DIN 1052

Processing Information

- Rotate only, turn off the strike!
The speed must be adjusted to the respective drilling diameter (see Infotabelle)

Hints

- Diameter 6 is cylindric shank



Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Auger Bit	6 mm	165 mm	235 mm	6 mm	Cylindric	1	107897
Wood Auger Bit	6 mm	250 mm	320 mm	6 mm	Cylindric	1	046302
Wood Auger Bit	7 mm	165 mm	235 mm	6.35 mm	Hex	1	039370
Wood Auger Bit	7 mm	250 mm	320 mm	6.35 mm	Hex	1	107900
Wood Auger Bit	8 mm	165 mm	235 mm	6.35 mm	Hex	1	107902
Wood Auger Bit	8 mm	250 mm	320 mm	6.35 mm	Hex	1	046604
Wood Auger Bit	10 mm	165 mm	235 mm	9 mm	Hex	1	318760
Wood Auger Bit	10 mm	250 mm	320 mm	9 mm	Hex	1	107910
Wood Auger Bit	10 mm	390 mm	460 mm	9 mm	Hex	1	046914
Wood Auger Bit	12 mm	165 mm	235 mm	12 mm	Hex	1	039371
Wood Auger Bit	12 mm	250 mm	320 mm	12 mm	Hex	1	107918

INTERNAL/Approved (2019-03-22 20:27:41)

Wood drills

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Auger Bit	12 mm	390 mm	460 mm	12 mm	Hex	1	050172
WOOD HSE D.12 X 580/650	12 mm	580 mm	650 mm	12 mm	Hex	1	178497
Wood Auger Bit	13 mm	250 mm	320 mm	12 mm	Hex	1	107923
Wood Auger Bit	13 mm	350 mm	460 mm	12 mm	Hex	1	107924
Wood Auger Bit	14 mm	165 mm	235 mm	12 mm	Hex	1	053910
Wood Auger Bit	14 mm	250 mm	320 mm	12 mm	Hex	1	107927
Wood Auger Bit	14 mm	390 mm	460 mm	12 mm	Hex	1	053953
WOOD HSE D.14 X 580/650	14 mm	580 mm	650 mm	12 mm	Hex	1	178519
Wood Auger Bit	16 mm	165 mm	235 mm	12 mm	Hex	1	054070
Wood Auger Bit	16 mm	250 mm	320 mm	12 mm	Hex	1	107934
Wood Auger Bit	16 mm	390 mm	460 mm	12 mm	Hex	1	054127
Wood Auger Bit	16 mm	580 mm	650 mm	12 mm	Hex	1	178705
WOOD-DRILL 16X810/880	16 mm	810 mm	880 mm	12 mm	Hex	1	008142
WOOD HSE DRILL16X1010/1080	16 mm	1010 mm	1080 mm	12 mm	Hex	1	054143
WOOD HSE D.17 X 250/320	17 mm	250 mm	320 mm	12 mm	Hex	1	107938
WOOD HSE D.17 X 390/460	17 mm	390 mm	460 mm	12 mm	Hex	1	107939
Wood Auger Bit	18 mm	250 mm	320 mm	12 mm	Hex	1	107942
Wood Auger Bit	18 mm	390 mm	460 mm	12 mm	Hex	1	054208
Wood Auger Bit	18 mm	580 mm	650 mm	12 mm	Hex	1	178721
WOOD-DRILL 18X810/880	18 mm	810 mm	880 mm	12 mm	Hex	1	008140
Wood Auger Bit	20 mm	250 mm	320 mm	12 mm	Hex	1	107946
Wood Auger Bit	20 mm	390 mm	460 mm	12 mm	Hex	1	054240
WOOD HSE D.20 X 580/650	20 mm	580 mm	650 mm	12 mm	Hex	1	178888
WOOD-DRILL 20X810/880	20 mm	810 mm	880 mm	12 mm	Hex	1	008139
Wood Auger Bit	22 mm	250 mm	320 mm	12 mm	Hex	1	107951
Wood Auger Bit	22 mm	390 mm	460 mm	12 mm	Hex	1	054305
Wood Auger Bit	22 mm	580 mm	650 mm	12 mm	Hex	1	179000
WOOD-DRILL 22X810/880	22 mm	810 mm	880 mm	12 mm	Hex	1	008138
Wood Auger Bit	24 mm	250 mm	320 mm	12 mm	Hex	1	107955
Wood Auger Bit	24 mm	390 mm	460 mm	12 mm	Hex	1	054348
WOOD HSE D.24 X 580/650	24 mm	580 mm	650 mm	12 mm	Hex	1	107958
Wood Auger Bit	26 mm	250 mm	320 mm	12 mm	Hex	1	107962

INTERNAL/Approved (2019-03-22 20:27:56)

Wood drills

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Auger Bit	26 mm	390 mm	460 mm	12 mm	Hex	1	054402
WOOD HSE D.26 X 460/650	26 mm	460 mm	650 mm	12 mm	Hex	1	107965
Wood Auger Bit	28 mm	390 mm	460 mm	12 mm	Hex	1	107968
Wood Auger Bit	30 mm	250 mm	320 mm	12 mm	Hex	1	107970
Wood Auger Bit	30 mm	390 mm	460 mm	12 mm	Hex	1	054470
WOOD HSE D.30 X 580/650	30 mm	580 mm	650 mm	12 mm	Hex	1	107973
WOOD-DRILL 32X390/460	32 mm	390 mm	460 mm	12 mm	Hex	1	008135
Wood Auger Bit	36 mm	350 mm	460 mm	12 mm	Hex	1	054550

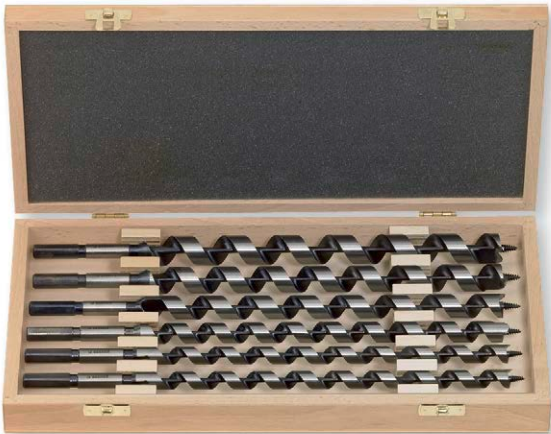
AGR: 10.200

Wood Auger Bit Case 6 Part Set

- Fast and fiberless space through special filament
- Precise drilling and good guidance due to extra long centering point
- Optimal chip removal prevents clogging of the filament, even with damp wood or deep holes

Application Area

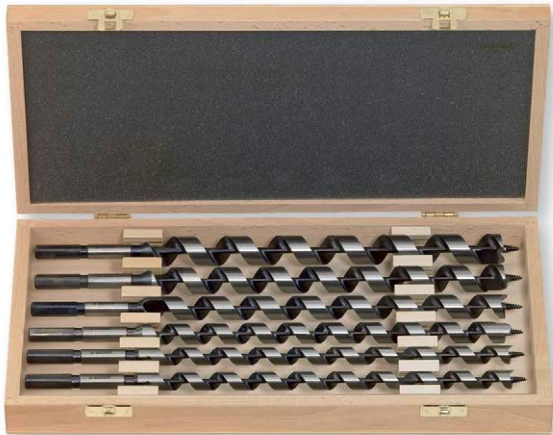
- Universal applications for drilling in soft wood and hard wood, e.g. throughholes for rafter nails, tenon holes, building screws and bar dowel drillings according to DIN 1052



Processing Information

- Rotate only, turn off the strike!
The speed must be adjusted to the respective drilling diameter (see Info chart)

Title	PU Assortment	Article No.
WOOD AUGER BIT 235MM 6 PCS	1	039588
AGR: 10.202		
Scope Of Supply	Piece	Article No.
Wood Auger Bit 6x180/230 mm	1	107897
Wood Auger Bit 8x180/230 mm	1	107902
Wood Auger Bit 10x250/200 mm	1	318760
Wood Auger Bit	1	039371
Wood Auger Bit 14x130/200 mm	1	053910
Wood Auger Bit 16x130/200 mm	1	054070
Wood Auger Bit 16x250/320 mm	1	107934



Wood Auger Bit Case 5 Part Set

- Fast and fiberless space through special filament
- Precise drilling and good guidance due to extra long centering point
- Optimal chip removal prevents clogging of the filament, even with damp wood or deep holes

Application Area

- Universal applications for drilling in soft wood and hard wood, e.g. throughholes for rafter nails, tenon holes, building screws and bar dowel drillings according to DIN 1052

Processing Information

- Rotate only, turn off the strike!
The speed must be adjusted to the respective drilling diameter (see Infotabelle)

INTERNAL/Approved (2019-03-22 20:28:08)

Wood drills

Title	PU Assortment	Article No.
Wood Auger Bit Set 320 mm, 5 units 320 mm	1	107792

AGR: 10.202

Scope Of Supply	Piece	Article No.
Wood Auger Bit 12x250/320 mm	1	107918
Wood Auger Bit 14x250/320 mm	1	107927
Wood Auger Bit 16x250/320 mm	1	107934
Wood Auger Bit 18x250/320 mm	1	107942
Wood Auger Bit 20x250/320 mm	1	107946

Wood Auger Bit Case 5 Part Set

- Fast and fiberless space through special filament
- Precise drilling and good guidance due to extra long centering point
- Optimal chip removal prevents clogging of the filament, even with damp wood or deep holes



Application Area

- Universal applications for drilling in soft wood and hard wood, e.g. throughholes for rafter nails, tenon holes, building screws and bar dowel drillings according to DIN 1052

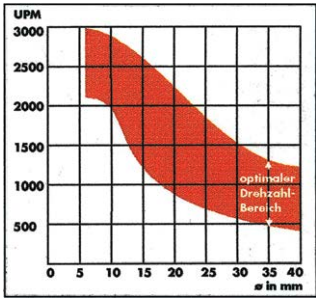
Processing Information

- Rotate only, turn off the strike!
The speed must be adjusted to the respective drilling diameter (see Info chart)

Title	PU Assortment	Article No.
Wood Auger Bit Set 460 mm, 5 units content	1	107793

AGR: 10.202

Scope Of Supply	Piece	Article No.
Wood Auger Bit 12x250/320 mm	1	107918
Wood Auger Bit 12x350/460 mm	1	050172
Wood Auger Bit 14x250/320 mm	1	107927
Wood Auger Bit 14x350/460 mm	1	053953
Wood Auger Bit 16x350/460 mm	1	054127
Wood Auger Bit 18x350/460 mm	1	054208
Wood Auger Bit 20x250/320 mm	1	107946
Wood Auger Bit 20x350/460 mm	1	054240
Wood Auger Bit 22x350/460 mm	1	054305



Wood drills

Extensions for Turbo Wood Drilling Crowns

Application Area

- Extension of wood drilling crowns with extremely low through-holes or blind holes

Characteristics

- Hex shank, several extensions can be coupled together

Scope Of Delivery

- 1 allen screw M 6, allen key AF 3



Title	Total Length	PU Piece	Article No.
Extension for Self Feeding Bit 150 mm	150 mm	1	080519
Extension for Wood Drilling Crown 300 mm	300 mm	1	080888
EXTENSION F.HBK 450 MM	450 mm	1	082210

AGR: 10.211

Wood Auger Bit 1/4" bit hex shank

- Optimized handling and prevents slipping in drill chuck by hex shank with 1/4" bit quick changing system
- High accuracy and extremely long tool life, because the drill bit is not glued but manufactured of one piece
- Less friction and heat by centerless, round-grinded drill bit, which make deep boring possible
- Better hole finish by high spur, which cuts the wood fibers smoothly
- Point-exact setting and drilling because of long center point
- Suitable for all common power tools because of the high alloyed shank



Application Area

- Universal applications for drilling in soft wood and hard wood, e.g. throughholes for rafter nails, tenon holes, building screws and bar dowel drillings according to DIN 1052

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Auger Bit	6 mm	165 mm	235 mm	6.35 mm	1/4" Bit 6KT	1	039387
Wood Auger Bit	8 mm	165 mm	235 mm	6.35 mm	1/4" Bit 6KT	1	039388
Wood Auger Bit	10 mm	250 mm	320 mm	6.35 mm	1/4" Bit 6KT	1	039390
Wood Auger Bit	14 mm	250 mm	320 mm	6.35 mm	1/4" Bit 6KT	1	039392
Wood Auger Bit	16 mm	250 mm	320 mm	6.35 mm	1/4" Bit 6KT	1	039393

AGR: 10.204

INTERNAL/Approved (2019-03-22 20:28:36)

Countersink for Auger Bit

Application Area

- Countersink for Auger Bit

Hints

- Ø 62 mm



Title	Ø	Working Length	Total Length	PU Piece	Article No.
COUNTERSINK FOR AUGER BIT Ø 62 AGR: 10.210	62 mm	20 mm	40 mm	1	339231

Turbo Wood Drilling Crowns

- Chip ejection countersinks, therefore no sticking of the drilling crown in the material
- Special drilling crown texture enables a shearing of smaller nails and wire grids
- Problem-free attachment to inclined surfaces and outer edges through projecting centering point
- Interchangeable centering points on individual and optimal adaptation to the material being processed (hard or soft wood)
- 3 flank receptacle ensures optimum fit in the chuck and smooth operation

Application Area

- Fast and accurate drilling of through and blind holes in wood beams, glue-laminated wood, planks, timber boards, plasterboard and plastic, e.g. for electrical and heating installation in post and beam constructions
- Countersinks in wood for the flush sinking of heavy washers or timber windows and GEKA discs

Characteristics

- Shank-Ø 1/2" (12.7 mm)

Processing Information

- When using Turbo wood drilling crowns it is recommended to coordinate the performance of the machine to the respective Ø

Scope Of Delivery

- Centering point fine and coarse, 1 allen screw M 6, Allen key AF 3

Technical Data

Working Length	65 mm
Total Length	152 mm
Shaft Ø	12.7 mm
Speed, recommended	500 - 1400 r/min



Wood drills

Title	Ø	Diameter N Inch	PU Piece	Article No.
Turbo Wood Drilling Crown	25 mm	1 "	1	091545
Turbo Self-Feeding Bit	29 mm	1 1/8 "	1	091537
Turbo Wood Drilling Crown	32 mm	1 1/4 "	1	091529
Turbo Wood Drilling Crown	35 mm	1 3/8 "	1	091502
TURBO-WOOD DRILL BIT 38 MM	38 mm	1 1/2 "	1	091375
Turbo Wood Drilling Crown	44 mm	1 3/4 "	1	091170
Turbo Wood Drilling Crown	51 mm	2 "	1	091138
Turbo Self-Feeding Bit	57 mm	2 1/4 "	1	091090
Turbo Wood Drilling Crown	65 mm	2 9/16 "	1	091030
Turbo Wood Drilling Crown	68 mm	2 2/3 "	1	090920

AGR: 10.210

Centering Points for Turbo Wood Drill Bits

Application Area

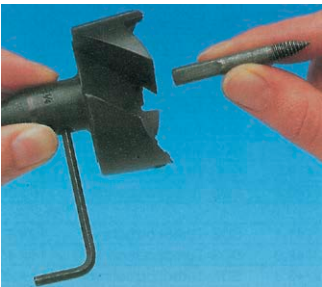
- Coarse: for fast drilling in soft wood

Characteristics

- Shank-Ø 6.3 mm

Title	Version	PU Piece	Article No.
Coarse Centering Point	Coarse	1	207381
Screw Point for Self Feeding Bit fine	Fine	1	210986

AGR: 10.211



Centering Cylinder for Turbo Wood Drill Bits

Application Area

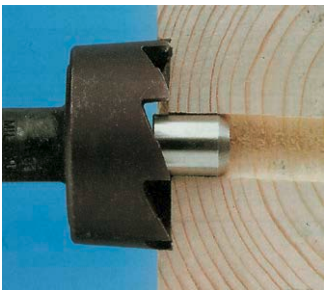
- Specially designed for countersinking holes for heavy washers, timber washers or GEKA washers

Characteristics

- Shank-Ø 6.3 mm

Title	Ø	PU Piece	Article No.
Centering Cylinder	12 mm	1	107768
Centering Cylinder	16 mm	1	107770

AGR: 10.211



Extensions for Turbo Wood Drilling Crowns

Application Area

- Extension of wood drilling crowns with extremely low through-holes or blind holes

Characteristics

- Hex shank, several extensions can be coupled together

Scope Of Delivery

- 1 allen screw M 6, allen key AF 3

Title	Total Length	PU Piece	Article No.
Extension for Self Feeding Bit 150 mm	150 mm	1	080519
Extension for Wood Drilling Crown 300 mm	300 mm	1	080888
EXTENSION F.HBK 450 MM	450 mm	1	082210

AGR: 10.211



INTERNAL/Approved (2019-03-22 20:29:00)

Forstner bit cylindric shank

- Good center point drilling quality
 - Small, peripheral, and 2 major cutting blades
- Optimal service life
 - New type of serrated edge reduces friction and temperature
- High drilling speed
 - Extra wide chip spaces

Application Area

- Drilling of clean, tear-free and dimensionally accurate blind holes for edge boreholes and for boreholes obliquely placed in soft and hard wood

Hints

- Stepped cylindrical shank



Title	Ø	Total Length	Shank-Ø x length	PU Piece	Article No.
Forstner Bit Cylindrical Shank	15 mm	90 mm	8 x 30 mm	1	039595
Forstner Bit Cylindrical Shank	18 mm	90 mm	8 x 30 mm	1	102189
Forstner Bit Cylindrical Shank	20 mm	90 mm	8 x 30 mm	1	039596
Forstner Bit Cylindrical Shank	25 mm	90 mm	8 x 30 mm	1	039597
Forstner Bit Cylindrical Shank	30 mm	90 mm	8 x 30 mm	1	039598
Forstner Bit Cylindrical Shank	35 mm	90 mm	10 x 30 mm	1	039599
Forstner Bit Cylindrical Shank	40 mm	90 mm	10 x 30 mm	1	039374
Forstner Bit cylindric shank	45 mm	90 mm	10 x 30 mm	1	039372
Forstner Bit cylindric shank	50 mm	90 mm	10 x 30 mm	1	039373
Forstner Bit cylindric shank	55 mm	90 mm	10 x 30 mm	1	039629
Forstner Bit cylindric shank	60 mm	90 mm	10 x 30 mm	1	039375
Forstner Bit cylindric shank	68 mm	130 mm	13 x 50 mm	1	039631
Forstner Bit Cylindrical Shank	80 mm	160 mm	13 x 100 mm	1	362775

AGR: 10.222

Forstner Bit Set cylindric shank

- Good center point drilling quality through small, peripheral, and 2 major cutting blades
- New type of serrated edge reduces friction and temperature and thus increases the service life
- Extra wide chip spaces ensure high drilling speed
- Optimal service life through drilling head

Application Area

- Drilling of clean, tear-free and dimensionally accurate blind holes for edge boreholes and for boreholes obliquely placed in soft and hard wood



Title	PU Assortment	Article No.
Forstner Bit Set cylindric shank	1	039376

AGR: 10.222

Scope Of Supply	Piece	Article No.
Forstner Bit Cylindrical Shank 15x90 mm	1	039595
Forstner Bit Cylindrical Shank 20x90 mm	1	039596
Forstner Bit Cylindrical Shank 25x90 mm	1	039597
Forstner Bit Cylindrical Shank 30x90 mm	1	039598
Forstner Bit Cylindrical Shank 35x90 mm	1	039599

Forstner Bit 1/4" bit hex shank

- Optimized handling and prevents slipping in drill chuck thanks to the hex shank 1/4" bit quick changing system
- Smooth hole finish also in the boundary region because of the center point, 2 peripheral cutting edges as well as two lifters in premium quality
- Extra-long tool life because of the special wavy cutting shape which reduce friction and heat
- Fast drilling because of wide chip chambers for better chip removal
- Easy drilling because of an optimal geometry of the blades
- Suitable for all common power tools because of the high alloyed shank

Application Area

- For the drilling of tear-resistant and dimensionally stable blind holes, for round bores as well as angled bores in soft and hard wood



Title	Ø	Total Length	Shank-Ø x length	PU Piece	Article No.
Forstner Bit 1/4" bit hex shank	15 mm	80 mm	6.35 x 25 mm	1	039377
Forstner Bit 1/4" bit hex shank	20 mm	80 mm	6.35 x 25 mm	1	039378
Forstner Bit 1/4" bit hex shank	25 mm	80 mm	6.35 x 25 mm	1	039379
Forstner Bit 1/4" bit hex shank	30 mm	80 mm	6.35 x 25 mm	1	039380
Forstner Bit 1/4" bit hex shank	35 mm	80 mm	6.35 x 25 mm	1	039381

AGR: 10.222

INTERNAL/Approved (2019-03-22 20:29:22)

Forstner Bit Set 1/4" bit hex shank

- Optimized handling and prevents slipping in drill chuck thanks to the hex shank 1/4" bit quick changing system
- Smooth hole finish also in the boundary region because of the center point, 2 peripheral cutting edges as well as two lifters in premium quality
- Extra-long tool life because of the special wavy cutting shape which reduce friction and heat
- Fast drilling because of wide chip chambers for better chip removal
- Easy drilling because of an optimal geometry of the blades
- Suitable for all common power tools because of the high alloyed shank



Title	PU Assortment	Article No.
FORSTNER BIT WAVE 1/4"SET 5PCS	1	039632
AGR: 10.222		
Scope Of Supply	Piece	Article No.
FORSTNER BIT WAVE 1/4"15x80 MM	1	039377
FORSTNER BIT WAVE 1/4"20x80 MM	1	039378
FORSTNER BIT WAVE 1/4"25x80 MM	1	039379
FORSTNER BIT WAVE 1/4"30x80 MM	1	039380
FORSTNER BIT WAVE 1/4"35x80 MM	1	039381

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Carbide cylinder boring bit

- Extremely high service life
 - Carbide design
- Maximum drilling quality
 - Small carbide centering point, 2 pre-cutters and 2 main cutters

Application Area

- Drilling of clean, dimensionally accurate holes in hardwood, exotic wood, laminated wood, pressed and chip boards plastic-coated plates and boreholes in the marginal area

Hints

- Starting from Ø 35 mm with stepped cylindrical shank



Title	Ø	Total Length	Shank-Ø x length	PU Piece	Article No.
Carbide Cylinder Boring Bit	15 mm	90 mm	10 x 30 mm	1	280542
Carbide Cylinder Boring Bit	20 mm	90 mm	10 x 30 mm	1	280550
HM PL.DR 22 MM	22 mm	90 mm	10 x 30 mm	1	872643
Carbide Cylinder Boring Bit	25 mm	90 mm	10 x 30 mm	1	280569
Carbide Cylinder Boring Bit	30 mm	90 mm	10 x 30 mm	1	280739
Carbide Cylinder Boring Bit	35 mm	90 mm	10 x 30 mm	1	280755

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Carbide cylinder boring bit

- 5 carbide cylinder boring bits in a stable and practical beech wood case

Title	PU Piece	Article No.
CT -Universal Bit Set 5 pcs	1	278874

AGR: 10.224

Scope Of Supply	Piece	Article No.
Carbide Cylinder Boring Bit HM 15x90 mm	1	280542
Carbide Cylinder Boring Bit HM 20x90 mm	1	280550
Carbide Cylinder Boring Bit HM 25x90 mm	1	280569
Carbide Cylinder Boring Bit HM 30x90 mm	1	280739
Carbide Cylinder Boring Bit HM 35x90 mm	1	280755



Wood drills

Mortise bit

- Clean cutting performance due to shoulder blades and double-edged tool steel
- Drilling and slitting without tearing due to the chip breaker and the slim notches



Application Area

- For the drilling of lock cases in doors as well as all kinds of slots and openings in hardwood and softwood

Characteristics

- Cylindric shaft

Hints

- The milling of deep elongated holes at intervals of 10 - 15 mm spares the tool

Title	Ø	Total Length	Drill shank	PU Piece	Article No.
SLOT DRILL 6 MM	6 mm	120 mm	Cylindric	1	122224
SLOT DRILL 8 MM	8 mm	130 mm	Cylindric	1	122225
SLOT DRILL 10 MM	10 mm	140 mm	Cylindric	1	122226
SLOT DRILL 12 MM	12 mm	150 mm	Cylindric	1	122227
SLOT DRILL 14 MM	14 mm	160 mm	Cylindric	1	122228
SLOT DRILL 16 MM	16 mm	170 mm	Cylindric	1	122229

AGR: 10.221

Slot Drill Cassette

Title	PU Assortment	Article No.
SLOT DRILL-CASSETTE 5 PCS	1	122223
AGR: 10.221		
Scope Of Supply	Piece	Article No.
SLOT DRILL 8 MM	1	122225
SLOT DRILL 10 MM	1	122226
SLOT DRILL 12 MM	1	122227
SLOT DRILL 14 MM	1	122228
SLOT DRILL 16 MM	1	122229



Wood drills

Tenon plug cutter

- Precise drilling
- Optimal tool life by use of high quality stainless steel
- Exact holes because of 4-6 cutting edges (depending on the diameter)
- With cylindrical connection

Application Area

- For cutting wooden plugs

Hints

- Tenon cutter has an oversize of 0,2 mm, therefore the dowel connection and tenon connection fits perfect



Title	Ø	External-Ø	Total Length	Shank-Ø x length	PU Piece	Article No.
Tenon plug cutter	15 mm	25 mm	140 mm	13 x 50 mm	1	278890
Tenon plug cutter	20 mm	32 mm	140 mm	13 x 50 mm	1	278939
Tenon plug cutter	25 mm	37 mm	140 mm	13 x 50 mm	1	278955
Tenon plug cutter	30 mm	43 mm	140 mm	13 x 50 mm	1	278963
Tenon plug cutter	35 mm	48 mm	160 mm	16 x 50 mm	1	278971

AGR: 10.225

Tenon Cutter Cassette

Title	PU Assortment	Article No.
TENON CUTCASS 5 PCS	1	120633
AGR: 10.225		
Scope Of Supply	Piece	Article No.
Tenon plug cutter, Ø 25 mm, 13 x 50 mm	1	278890
Tenon plug cutter, Ø 32 mm, 13 x 50 mm	1	278939
Tenon plug cutter, Ø 37 mm, 13 x 50 mm	1	278955
Tenon plug cutter Ø 43 mm, 13 x 50 mm	1	278963
Tenon plug cutter Ø 48 mm, 16 x 50 mm	1	278971



Wood drills

Cross Head Drill TS

- Exact countersink in wood because of 5 precision-grounded countersink angles
- Made from high-quality tool steel

Application Area

- Suitable for the sinking of screw heads in softwood



Title	Ø	Total Length	Shank-Ø x length	PU Piece	Article No.
CROSS HD DR.BIT 10 MM	10 mm	90 mm	6 x 30 mm	1	107833
CROSS HD DR.BIT 13 MM	13 mm	90 mm	6 x 30 mm	1	107834
CROSS HD DR.BIT 16 MM	16 mm	90 mm	6 x 30 mm	1	107835

AGR: 10.220

6

Wood Flat Bit hex shank

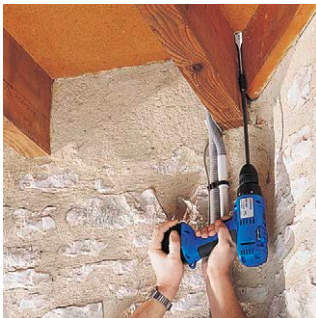
- Centering point for precise drilling
- Regrinding possible
- When used in drill chucks, the hexagonal shank also prevents rotation

Application Area

- Holes in soft and hard wood, such as for cable glands

Processing Information

- Recommended speed: 500 - 1500 1 / min



Wood drills

Title	Ø	Working Length	Total Length	Shaft Ø	Drill shank	PU Piece	Article No.
Wood Flat Bit	10 mm	105 mm	150 mm	6 mm	Hex	1	040958
Wood Flat Bit	12 mm	105 mm	150 mm	6 mm	Hex	1	920103
Wood Flat Bit	14 mm	105 mm	150 mm	6 mm	Hex	1	040961
Wood Flat Bit	16 mm	105 mm	150 mm	7 mm	Hex	1	920106
Wood Flat Bit	18 mm	105 mm	150 mm	7 mm	Hex	1	920107
Wood Flat Bit	20 mm	105 mm	150 mm	7 mm	Hex	1	920109
Wood Flat Bit	22 mm	105 mm	150 mm	7 mm	Hex	1	920110
Wood Flat Bit	24 mm	105 mm	150 mm	7 mm	Hex	1	920111
Wood Flat Bit	25 mm	105 mm	150 mm	7 mm	Hex	1	920112
Wood Flat Bit	26 mm	105 mm	150 mm	7 mm	Hex	1	040969
Wood Flat Bit	28 mm	105 mm	150 mm	7 mm	Hex	1	920113
Wood Flat Bit	30 mm	105 mm	150 mm	7 mm	Hex	1	920114
Wood Flat Bit	32 mm	105 mm	150 mm	7 mm	Hex	1	920115

AGR: 10.227

Accessories Available

	PU Amount	Article No.
Extension for Wood Flat Bit 270 mm	1	033504

Extension for Flat wood bit



Title	Total Length	PU Piece	Article No.
Extension for Wood Flat Bit 270 mm	270 mm	1	033504

AGR: 10.227

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Shell Drill 90°

- Countersink made of hardened tool steel for long service life
- Large chip spaces ensure fast chip removal

Application Area

- Countersinking and deburring of soft or hardwoods, solid wood and coated boards with wood spiral drills

Characteristics

- 90° countersinking angle, 5- cutting edges

Processing Information

- Ideally suitable case of reverse mounting on wood twist drill as a depth gauge for drilling blind holes or dowels

Scope Of Delivery

- Delivery is carried out with L key

Title	Drill-Ø	Countersunk -Ø	Working Length	PU Piece	Article No.
Shell Drill	3 mm	16 mm	7 mm	1	188824
Shell Drill	4 mm	16 mm	6 mm	1	188913
Shell Drill	5 mm	16 mm	5 mm	1	189111
Shell Drill	6 mm	16 mm	5 mm	1	189138
Shell Drill	8 mm	20 mm	6.5 mm	1	189529
Shell Drill	10 mm	20 mm	6 mm	1	189596

AGR: 10.226



Shell Drill Set 90°

- Countersink made of hardened tool steel for long service life
- Large chip spaces ensure fast chip removal

Application Area

- Countersinking and deburring of soft or hardwoods, solid wood and coated boards with wood spiral drills

Characteristics

- Shell drills and wood spiral drills are in stable and practical wooden box, 14 part set

Scope Of Delivery

- Each containing 1 shell drill, 1 wood spiral drills and right angled screwdriver

Title	PU Assortment	Article No.
SHELL DRILL TOOL-CASS 14 PCS	1	122201
AGR: 10.226		
Scope Of Supply	Piece	Article No.
Wood Drill Bit 3x61 mm	1	331961
Wood Drill Bit 4x75 mm	1	332046
Wood Drill Bit 5x86 mm	1	193496
Wood Drill Bit 6x93 mm	1	193500
Wood Drill Bit 8x117 mm	1	193518
Wood Drill Bit 10x133 mm	1	193526
Wood Drill Bit 12x151 mm	1	311006
Shell Drill 3mm	1	188824
Shell Drill 4 mm	1	188913
Shell Drill 5 mm	1	189111
Shell Drill 6 mm	1	189138
Shell Drill 8 mm	1	189529
Shell Drill 10 mm	1	189596



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Wood drills

Hand Countersink

- Stable, ergonomically formed 2K-handle
- Countersink-Ø 18 mm out of hardened tool steel

Application Area

- Universal chamfering and deburring of drillies in a soft or hart wood, solid wood, coated plates as well as non-ferrous metals

Characteristics

- 5 cutters
- 90° countersink angle



Title	PU Piece	Article No.
MAN.COUNTERSINK 18 MM	1	823263
AGR: 03.990		

Wood drill box 4-12mm

- Perfect adaptation to the type of screw to be laid
 - Adjustment of the milling cutter and depth stop

Application Area

- Milling of any type of wood for the installation of flush screws (manufacture of furniture, staircase, laying of terrace boards...)

Processing Information

- In order to optimize the longevity of the drill - countersink - stop assembly, it is imperative to respect during the drilling a 90° angle with respect to the support in order to limit the breakage of the drill during the contact of the depth stop with the material
- Maximum rotation speed: 1500 rpm

Title	PU Assortment	Article No.
WOOD DRILL BOX 4-12 MM	1	208976

AGR: 10.226



Adjust the mill according to the length of the screw



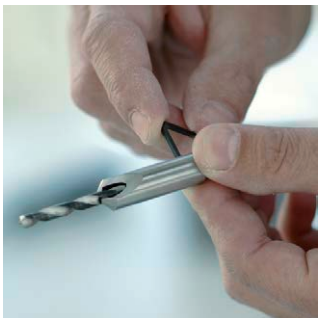
Adjust the depth stop



Perform the drilling / milling operation



Tighten the screw



Glass drill bit CERAMICdrill



Title	Drill shank	Ø	Total Length	PU Piece	Article No.
GLASSDRILL BIT 4,0X90 MM	Cylindric	4 mm	90 mm	1	004245
GLASSDRILL BIT 5,0X91 MM	Cylindric	5 mm	91 mm	1	004246
GLASSDRILL BIT 6,0X92 MM	Cylindric	6 mm	92 mm	1	004247
GLASSDRILL BIT 8,0X95 MM	Cylindric	8 mm	95 mm	1	004248
GLASSDRILL BIT 10,0X98 MM	Cylindric	10 mm	98 mm	1	004249
GLASSDRILL BIT 12,0X101MM	Cylindric	12 mm	101 mm	1	004250

AGR: 10.053

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Further drilling

Drilling paste evercool

- Universal drilling, cutting and cooling paste
- Excellent separation and cooling effect
- Long service life

Application Area

- Grease for use in drilling and tapping, and similar work.

Characteristics

- Content: 50g

Title	PU Piece	Article No.
Cutting Paste	1	047244
AGR: 04.022		

