

» SPECIAL DRILLS



Special drills

Spot weld miller

For removing spot welds from sheet metal.
Exchangeable and double-headed milling crown.
Adjustable milling depth with setting screw.
No tearing of the sheet metal. No deformation of the sheet metal. Efficient and rapid working.

Fast Cut

Extra stable special drill for hard requirements on hand drills. Good suited for clean and burr-free milling of welding spots and thin-walled work pieces without centering. Extreme high precision. Applicable for sheet steel, sheet brass, sheet aluminium, sheet zinc, sheet copper, plastic sheets.

Spotle Drill

Special shank for the application in pneumatic machines. For clean and burr-free milling of welding spots and thin-walled work pieces without centering. Extreme high precision.
(v = vario)



1.02



Overview of symbols



High-speed steel



High-speed steel with 5 % Cobalt content, ground



Tungsten carbide



Bright surface



Bright / black surface



Black surface



TiCN coating



AlTiN coating



TiN coating



right hand cutting



Point angle e.g. 180°



Centre point



Shape N:
Helical point normal ground



Helix angle e.g. 25-30°



Tolerance e.g. h8



DIN 1897





Spot weld miller HSS



For removing spot welds from sheet metal. Exchangeable and double-headed milling crown. Adjustable milling depth with setting screw. No tearing of the sheet metal. No deformation of the sheet metal. Efficient and rapid working.

Packing unit: in plastic boxes of 1

Contents	L1 mm	Ø mm	Article no.	Cont. pcs.
Spot weld miller, complete	72,0	-	101 101	1
Milling crown	-	9,6	101 102	1
Centering pin	-	2,5	101 103	1



Spot weld miller set

Packing unit: in plastic boxes

Contents	Article no.
13-piece set of spot weld miller 1 spot weld miller, complete + 10 milling crowns + 2 centering pins	101 104



Spot weld miller special set

Packing unit: in plastic boxes

Contents	Article no.
9-piece set of spot weld miller-special set 1 spot weld miller, complete + 5 milling + 2 centering pins + 1 fast cut HSSE-Co 5 Ø 8,0 mm	101 104 M



N Fast Cut HSSE-Co 5



High-strength cutting edge since a secondary chamfer is not required. Enhanced chip evacuation due to wide chip groove and optimized chip angle. High-strength tool core and increased stiffness due to shortened chip groove. Good suited for clean and burr-free milling of welding spots and thin-walled work pieces without centering. Extreme high precision. Applicable for sheet steel, sheet brass, sheet aluminium, sheet zinc, sheet copper, plastic sheets.

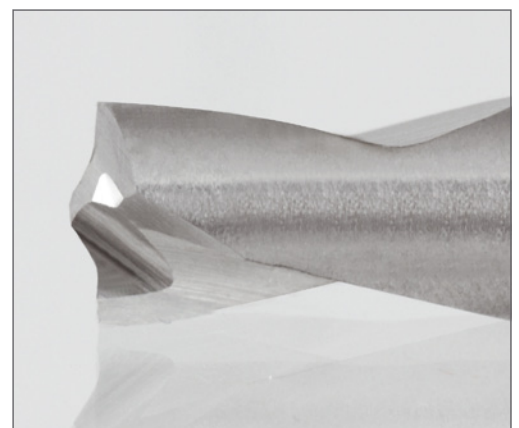


steel (N/mm ²)			stainless steel	alu	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●	○	○						

● Main application ○ Other application

Packing unit: in plastic boxes of 1

Ø mm	L ₁ mm	N		Cont. pcs.
		Article no. HSSE-Co 5	Article no. HSSE-Co 5	
6,0	66,0	101 107-1	101 107-1 VA	1
8,0	80,0	101 108-1	101 108-1 VA	1



Fast Cut HSSE-Co 5 and tungsten-carbide



Extra stable special drill for hard requirements on hand drills. Good suited for clean and burr-free milling of welding spots and thin-walled work pieces without centering. Extreme high precision. Applicable for sheet steel, sheet brass, sheet aluminium, sheet zinc, sheet copper, plastic sheets.



steel (N/mm ²)			stainless steel	alu	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●	○	○						

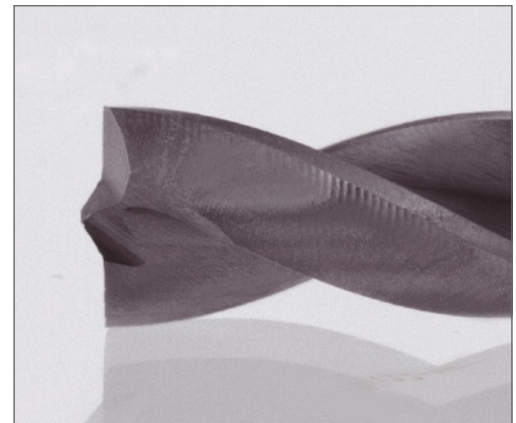


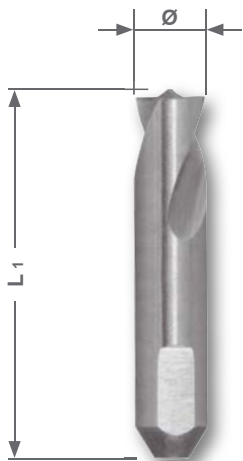
steel (N/mm ²)			stainless steel	alu	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●	●	●						●

● Main application ○ Other application

Packing unit: in plastic boxes of 1

Ø mm	L1 mm	Article no.	Article no.	Article no.	Cont. pcs.
		HSSE-Co 5	HSSE-Co 5 TiCN	tungsten-carbide AITIN	
6,0	66,0	101 107	101 107 TC	101 107 HM	1
7,0	74,0	101 111	101 111 TC	—	1
8,0	80,0	101 108	101 108 TC	101 108 HM	1
10,0	88,0	101 114	101 114 TC	—	1





Spotle Drill HSSE-Co 5 and tungsten-carbide



Special shank for the application in pneumatic machines.
For clean and burr-free milling of welding spots and thin-walled work pieces without centering.
Extreme high precision. (v = vario)



steel (N/mm ²)			stainless steel	alu	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●	○	○						

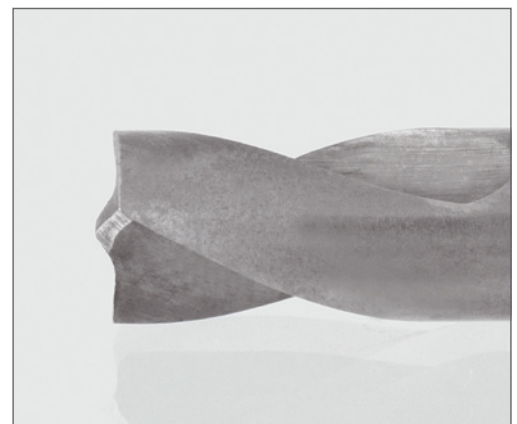


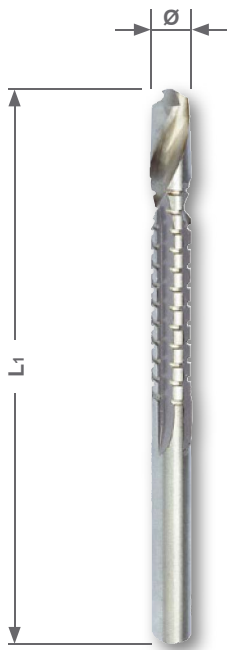
steel (N/mm ²)			stainless steel	alu	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●	●	●						●

● Main application ○ Other application

Packing unit: in plastic boxes of 1

Ø mm	L1 mm	Article no.	Article no.	Article no.	Cont. pcs.
		HSSE-Co 5	HSSE-Co 5 TiCN	tungsten-carbide AITIN	
6,5	40,0	101 065	—	—	1
6,5 (v)	44,0	—	—	—	1
8,0	40,0	101 080	101 080 TC	101 080 HM	1
8,0 (v)	44,0	101 081	101 081 TC	101 081 HM	1





Milling Drill HSS



For drilling and milling contours into wood, sheet metal, plastics and other thin-walled materials. Twist drill in front, milling cutter with chip breakers afterwards.



Packing unit: in plastic boxes of 1

Ø mm	L1 mm	Article no. HSS	Article no. HSS-TIN	Cont. pcs.
6,0	90,0	101 201	101 201 T	1
8,0	90,0	101 202	101 202 T	1



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