

Info

10918 - 10928 boring and deburring tool set (step drill)

Type

Diameter tolerance +/- 0,13 mm.

Use

For boring holes in sheeting with a thickness of 0,4 to 3,0 mm of almost all alloys, stainless steel, grey cast iron, aluminium, brass, plastics and fibreglass.

Quality

HSS.

Note:

Spare cooling lubricant stick see cat.-no. 10937 101.



10918

Boring and Deburring Tool Set



Type

Consisting of 1 drilling tool and and 1 deburring tool MC 1M / MC 2M and MC 3M, with cooling lubricant in metal case.

Quality

HSS.

Note:

Spare cooling lubricant stick see cat.-no. 10937 101.



10918

Hole Ø mm	HSS	...
4 - 30	10918	101

10919

Step Drills (3 Cutting Blades)



Note:

Size M1 - M6 and PG 29 without clamping stem (for clamping stems see cat.-no. 10921).

- ¹⁾ especially for electricians, for use in electric hand drills.
- ²⁾ for thread size PG.



10919

Size	Number of blades	Dimension table for drill diameter mm	Inner Taper	shank Ø mm	to material thickness mm	10919	...
M1	3	5,5 / 8,5 / 11,5 / 14,5 / 17,5 / 20,5 / 23,5 / 26,5 / 29,5 / 32,5 / 35,5	B10	-	3	101	
M2	3	6 / 9 / 12 / 15 / 18 / 21 / 24 / 27 / 30 / 33 / 36	B10	-	3	102	
M4	3	7 / 10 / 13 / 16 / 19 / 22 / 25 / 28 / 31 / 34 / 37	B10	-	3	104	
M5	3	7,5 / 10,5 / 13,5 / 16,5 / 19,5 / 22,5 / 25,5 / 28,5 / 31,5 / 34,5 / 37,5	B10	-	3	105	
M6	3	8 / 11 / 14 / 17 / 20 / 23 / 26 / 29 / 32 / 35 / 38	B12	-	3	106	
PG21 ¹⁾	3	12,5 (PG7) / 15,2 (PG9) / 18,6 (PG11) / 20,4 (PG13,5) / 22,5 (PG16) / 25,8 / 28,3 (PG21) / 30,5	-	B12	3	140	
PG29 ¹⁾	3	12,5 (PG7) / 15,2 (PG9) / 18,6 (PG11) / 20,4 (PG13,5) / 22,5 (PG16) / 25,8 / 28,3 (PG21) / 30,5 / 33,6 / 37,0 (PG29)	B12	-	3	141	
PGT ¹⁾²⁾	3	11,4 (PG7) / 14,0 (PG9) / 17,25 (PG11) / 19,0 (PG13,5) / 21,25 (PG16) / 24,5 / 26,75 (PG21)	-	12	5	145	

10921

Clamping stems for step drills cat.-no. 10919

Use

Shank for sizes M1- M6 and PG 29 (cat.-no. 10919 101-106 and 10919 141).

Note:

MT clamping stems, see HHW catalogue volume 1 cat.-no. 21170.



10921

for Size	cylindrical Ø mm	taper	Clamping stem	...
M 1 - M 5	9,5	B 10	10921	101
M 6 + PG 29	12,5	B 12		102

10924 Step Drills (2 Cutting Blades)



HSS
10924 ...

Size	No. of cutting blades	Hole diameter mm	Shank Ø mm	for material thickness mm		
MC 1M	2	4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12	6	5		130
MC 2M	2	10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20	9	4		131
MC 3M	2	20 / 21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30	12	4		132
MC 4M	2	4 / 6 / 8 / 10 / 12	6	10		133
MC 5M	2	6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24	10	5		134
MC 7M	2	4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20	10	4		135
MC 10M	2	4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26 / 28 / 30	12	4		136

10926 Step drills



Use
For through-holes. Especially for boring holes in sheeting, e.g. -Greenlee-



HSS
10926 ...

Size	Hole diameter mm/inches	Shank Ø mm	for material thickness mm		
MC 521M	5 mm / 7 mm / 3/8 inch / 7/16 inch / 13 mm / 15 mm / 3/4 inch / 21 mm	10	4		101

10927 Step drills



Type
With 2 spiral flutes (DBGM) and -edge breaker- (DBGM) deburring zone, as well as ROTASTOP (DBGM) comfort shank. Both steps (6 mm for core-hole and 3 mm for through-hole) on one tool.

Use
For burr-free drilling and reaming of cable screw connections in compliance with DIN EN 60423. For machining of splice boxes, installation sockets, distributor housings, terminal boxes, control cabinets, switching devices and control devices, enclosures.

Thread core-hole (6 mm steps) Ø / thread
7,0 / -
10,5 / M 12 x 1,5
14,5 / M 16 x 1,5
18,5 / M 20 x 1,5
23,5 / M 25 x 1,5
30,5 / M 30 x 1,5

Through hole (3 mm steps) Ø / thread
12,5 / M 12 x 1,5
16,5 / M 16 x 1,5
20,5 / M 20 x 1,5
25,5 / M 25 x 1,5
32,5 / M 30 x 1,5



10927 101



10927 201



10927 301

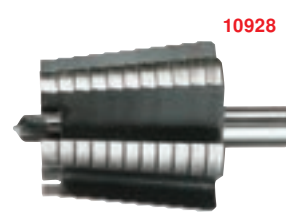
Quality	10927	...
HSS		101
TiN-coated		201
TiN-coated		301

10928 Step Drills (6 Cutting Blades)



Type
With straight shank. Boring steps in precise 1 mm increments.

Use
For drilling straight holes up to 4 mm material thickness of almost all materials such as steel, cast metal, brass, plastics and fibreglass. No pre-drilling necessary.



HSS
10928 ...

Size	No. of cutting blades	Hole diameter mm	Shank Ø mm	for material thickness mm		
TMC3040	6	30 / 31 / 32 / 33 / 34 / 35 / 36 / 37 / 38 / 39 / 40	13	4		101
TMC4050	6	40 / 41 / 42 / 43 / 44 / 45 / 46 / 47 / 48 / 49 / 50	13	4		102
TMC5060	6	50 / 51 / 52 / 53 / 54 / 55 / 56 / 57 / 58 / 59 / 60	13	4		103

10934

Slabbing Cut Drill Reamer (Sheet Metal Drills) Sets



Type
With straight shank. For drilling 3 - 30,5 mm, consisting of 1 drill in each size 1, 2 and 3, in plastic case.

Use
For drilling and reaming holes in thin material free of burrs and chatter marks in one operation. For annealed sheet steel, stainless sheet steel, car-body sheeting, non-ferrous metals, thin-walled pipes and plastics such as PVC, Plexiglas, Resopal etc., also for hardboard, plywood etc.

Quality
HSS-E.

10934 202
Quality
HSS-E/TiN-coated.

Note:
For drilling up to the edge without deformation.
Cooling lubricant stick see cat.-no. 10937 101.



Quality	10934	...
HSS-E		201
HSS-E/TiN		202

10935 - 10937

Slabbing Cut Drill Reamers (Sheet Metal Drills)



Type
With straight shank.

Use
For drilling and reaming holes in thin material free of burrs and chatter marks in one operation. For annealed sheet steel, stainless sheet steel, car-body sheeting, non-ferrous metals, thin-walled pipes and plastics such as PVC, Plexiglas, Resopal etc., also for hardboard, plywood etc.

10935
Quality
HSS-E.

10936
Quality
HSS-E/TiN-coated.

Note:
Cooling lubricant necessary!

10937
Cooling lubricant
Type
Without silicone, contents 25 ml.
Use
For lubricating all contact faces during drilling and thread cutting.



Size	Hole Ø mm	Shank Ø mm	HSS-E		HSS-E/TiN		Coolant lubricating stick	
			10935	...	10936	...	10937	...
1	3 - 14,0	6		101		101		
2	8 - 20,0	8		102		102		
3	16 - 30,5	9		103		103		
4	26 - 40,0	12		104		104		
5	36 - 50,0	12		105		105		
6	46 - 60,0	12		106		106		
7	4 - 30,5	9		107		107		
-	-	-						101

10940

Universal Drill/Milling Cutter



Type
With straight shank.

Use
For drilling and cutting out any contour required in all kinds of metal sheeting; also suitable for wood, Resopal and other plastics.

Note:
Best speed approx. 1000 - 1200 1/min.
For material that binds (zinc, aluminium etc.), occasionally dip the tool into a lubricant.
For use in power hand drills.
Cooling lubricant stick see cat.-no. 10937 101

Quality
HSS.



Ø mm	HSS	10940	...
6,35		101	

