

Note for Tools – Draw Bolts for Manual Operation



Round Punches – Mobile Devices

Dimensions ø in mm	Order No.		Draw bolt ø 9.5 without ball bearing (2683-0710-50-00)	Draw bolt ø 9.5 with ball bearing (2683-1710-62-00)	Draw bolt ø 19 without ball bearing (2683-0719-75-00)	Draw bolt ø 19 with ball bearing (2683-1719-75-00)
	Punch draw bolt thread					
	9,5	19				
12,2	2623-0812-20-00		X	X		
12,7	2623-0812-70-00		X	X		
14	2623-0814-00-00		X	X		
15,2	2623-0815-20-00		X	X		
16,2	2623-0816-20-00		X	X		
17,3	2623-0817-30-00		X	X		
18,6	2623-0818-60-00		X	X		
19	2623-0819-00-00		X	X		
20,2	2623-0820-20-00		X	X		
20,4	2623-0820-40-00		X	X		
21,3	2623-0821-30-00		X	X		
22,5	2623-0822-50-00		X	X		
23,8	2623-0823-80-00		X	X		
24,5	2623-0824-50-00		X	X		
25,2	2623-0825-20-00		X	X		
27	2623-0827-00-00		X	X		
28,3		2623-0828-30-00			X	X
28,5	2623-0828-50-00		X	X		
30,5	2623-0830-51-00		X	X		
30,5		2623-0830-50-00			X	X
32		2623-0832-00-00			X	X
32,2		2623-0832-20-00			X	X
32,2	2623-0832-21-00		X	X		
33,3	2623-0833-30-00		X	X		
34,1		2623-0834-10-00			X	X
35	2623-0835-01-00		X	X		
35,1		2623-0835-00-00			X	X
37		2623-0837-00-00			X	X
38		2623-0838-00-00			X	X
38,1	2623-0838-11-00		X	X		
40,2		2623-0840-20-00			X	X
41,2		2623-0841-20-00			X	X
43,3		2623-0843-30-00			X	X
45,5		2623-0845-50-00			X	X
47		2623-0847-00-00			X	X
50,2		2623-0850-20-00			X	X
54		2623-0854-00-00			X	X
56,5		2623-0856-50-00			X	X
60		2623-0860-00-00			X	X
63,2		2623-0863-20-00			X	X
64,4		2623-0864-40-00			X	X
66,6		2623-0866-60-00			X	X
70		2623-0870-00-00			X	X
75,2		2623-0875-20-00			X	X
76,2		2623-0876-20-00			X	X
80		2623-0880-00-00			X	X
82		2623-0882-00-00			X	X
88,5		2623-0888-50-00			X	X
92		2623-0892-00-00			X	X
102		2623-0810-20-00			X	X
114,3		2623-0811-43-00			X	X
120		2623-0812-01-00			X	X

Round Punches Plus (Stainless Steel) – Mobile Devices

Dimensions ϕ in mm	Punch draw bolt thread	Order No.	Draw bolt ϕ 9.5 without ball bearing (2683-0710-50-00)	Draw bolt ϕ 9.5 with ball bearing (2683-1710-62-00)	Draw bolt ϕ 11,1 with ball bearing (2683-1711-50-00)	Draw bolt ϕ 19 without ball bearing (2683-0719-75-00)	Draw bolt ϕ 19 with ball bearing (2683-1719-75-00)
15,2	9,5	2682-0815-20-25	x	x			
16,2	9,5	2682-0816-20-25	x	x			
18,6	11,1	2682-0818-60-25				x	
20,2	11,1	2682-0820-20-25				x	
20,4	11,1	2682-0820-40-25				x	
22,5	11,1	2682-0822-50-25				x	
25,2	11,1	2682-0825-20-25				x	
28,5	19	2682-0828-50-25				x	x
30,5	19	2682-0830-50-25				x	x
32,2	19	2682-0832-20-25				x	x
37	19	2682-0837-00-25				x	x
40,2	19	2682-0840-20-25				x	x
47	19	2682-0847-00-25					
50,2	19	2682-0850-20-25					
54	19	2682-0854-00-25					
60	19	2682-0860-00-25					
63,2	19	2682-0863-20-25					

Round Punch Kits – Mobile Devices

Description	Draw bolt thread	Order No.	Draw bolt ϕ 9.5 without ball bearing (2683-0710-50-00)	Draw bolt ϕ 9.5 with ball bearing (2683-1710-62-00)	Draw bolt ϕ 11,1 with ball bearing (2683-1711-50-00)	Draw bolt ϕ 19 without ball bearing (2683-0719-75-00)	Draw bolt ϕ 19 with ball bearing (2683-1719-75-00)
Round punch kit Plus	9,5/11,1/19	2682-7816-50-26		x	x		x
Metric round punch kit	9,5/19	2623-7812-50-00	x	x		x	x
		2683-7812-50-20	x	x		x	x
Round punch kit PG1	9,5	2623-7812-30-00	x	x			
		2683-7812-30-20	x	x			
Round punch kit PG2	9,5/19	2623-7812-60-00	x	x		x	x
		2683-7812-60-30	x	x		x	x

Sheet Metal Shell Drill Bit/Step Drill Bit/Accessories – Mobile Devices

Description	Dimensions	Order No.
Step Drill	ϕ 6; 8; 10; 11,5; 12,5; 14,5; 17; 21 mm ϕ 0,24"; 0,31"; 0,39"; 0,45"; 0,49"; 0,57"; 0,67"; 0,83"	2632-0000-08-21
Combined step drill metric	for fine threads M12; M16; M20; M25; M32; M40	2632-0000-10-40
Combined step drill PG	for PG7; PG11; PG13,5; PG16; PG21	2632-0312-30-00
Sheet metal shell drill bit	8 – 20	2631-0200-15-42
	4 – 30,5	2631-0305-15-43
Coated sheet metal shell drill bit	8 – 20	2631-0200-35-42
	4 – 30,5	2631-0350-35-43
Sheet metal shell drill bit set		2631-0350-35-43
Drilling paste		2631-0600-15-49
High performance cutting oil		2684-0700-25-00



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-  CABINET SYSTEMS
-  X-FRAME
-  ENCLOSURES
-  ACCESSORIES
-  CLIMATE CONTROL
-  CABLE DUCTS
-  CUSTOMIZED SOLUTIONS
-  TOOLS