

# 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 (2683-1710-50-00)	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	<b>2623-0812-20-00</b>		X	X		
12,7	<b>2623-0812-70-00</b>		X	X		
14	<b>2623-0814-00-00</b>		X	X		
15,2	<b>2623-0815-20-00</b>		X	X		
16,2	<b>2623-0816-20-00</b>		X	X		
17,3	<b>2623-0817-30-00</b>		X	X		
18,6	<b>2623-0818-60-00</b>		X	X		
19	<b>2623-0819-00-00</b>		X	X		
20,2	<b>2623-0820-20-00</b>		X	X		
20,4	<b>2623-0820-40-00</b>		X	X		
21,3	<b>2623-0821-30-00</b>		X	X		
22,5	<b>2623-0822-50-00</b>		X	X		
23,8	<b>2623-0823-80-00</b>		X	X		
24,5	<b>2623-0824-50-00</b>		X	X		
25,2	<b>2623-0825-20-00</b>		X	X		
27	<b>2623-0827-00-00</b>		X	X		
28,3		<b>2623-0828-30-00</b>			X	X
28,5	<b>2623-0828-50-00</b>		X	X		
30,5	<b>2623-0830-51-00</b>		X	X		
30,5		<b>2623-0830-50-00</b>			X	X
32		<b>2623-0832-00-00</b>			X	X
32,2		<b>2623-0832-20-00</b>			X	X
32,2	<b>2623-0832-21-00</b>		X	X		
33,3	<b>2623-0833-30-00</b>		X	X		
34,1		<b>2623-0834-10-00</b>			X	X
35	<b>2623-0835-01-00</b>		X	X		
35,1		<b>2623-0835-00-00</b>			X	X
37		<b>2623-0837-00-00</b>			X	X
38		<b>2623-0838-00-00</b>			X	X
38,1	<b>2623-0838-11-00</b>		X	X		
40,2		<b>2623-0840-20-00</b>			X	X
41,2		<b>2623-0841-20-00</b>			X	X
43,3		<b>2623-0843-30-00</b>			X	X
45,5		<b>2623-0845-50-00</b>			X	X
47		<b>2623-0847-00-00</b>			X	X
50,2		<b>2623-0850-20-00</b>			X	X
54		<b>2623-0854-00-00</b>			X	X
56,5		<b>2623-0856-50-00</b>			X	X
60		<b>2623-0860-00-00</b>			X	X
63,2		<b>2623-0863-20-00</b>			X	X
64,4		<b>2623-0864-40-00</b>			X	X
66,6		<b>2623-0866-60-00</b>			X	X
70		<b>2623-0870-00-00</b>			X	X
75,2		<b>2623-0875-20-00</b>			X	X
76,2		<b>2623-0876-20-00</b>			X	X
80		<b>2623-0880-00-00</b>			X	X
82		<b>2623-0882-00-00</b>			X	X
88,5		<b>2623-0888-50-00</b>			X	X
92		<b>2623-0892-00-00</b>			X	X
102		<b>2623-0810-20-00</b>			X	X
114,3		<b>2623-0811-43-00</b>			X	X
120		<b>2623-0812-01-00</b>			X	X

### Round Punches Plus (Stainless Steel) – Mobile Devices

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

### Round Punch Kits – Mobile Devices

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

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

Description	Dimensions	Order No.
Metr. step drill bit	M12 – M40	<b>2632-0000-10-40</b>
Step drill bit PG	PG7 – PG21	<b>2632-0312-30-00</b>
Sheet metal shell drill bit	8 – 20	<b>2631-0200-15-42</b>
	4 – 30,5	<b>2631-0305-15-43</b>
Coated sheet metal shell drill bit	8 – 20	<b>2631-0200-35-42</b>
	4 – 30,5	<b>2631-0350-35-43</b>
Sheet metal shell drill bit set		<b>2631-0350-35-43</b>
Drilling paste		<b>2631-0600-15-49</b>
High performance cutting oil		<b>2684-0700-25-00</b>



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