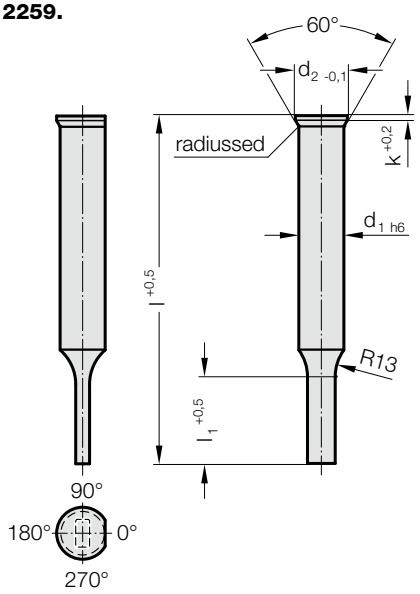
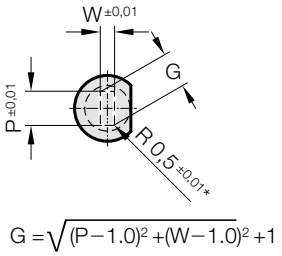
PUNCH, STEPPED, RECTANGLE WITH RADIUSED CORNERS, ~DIN 9861

2259.





2259. Punch, stepped, rectangle with radiused corners, ~DIN 9861

d_1 / Order No	d_2	W_{min}	G_{max}	l_1 / Order No	K	l (Order Code character)	71 (D)	80 (E)	100 (G)	120 (J)
3 / (1)	4.5	1.1	2.9	8 (1) 10 (2)	0.5		●	●	●	●
4 / (2)	5.5	1.1	3.9	8 (1) 13 (3)	0.5		●	●	●	●
5 / (3)	6.5	1.1	4.9	13 (3) 19 (4)	0.5		●	●	●	●
6 / (4)	8	1.6	5.9	13 (3) 19 (4)	0.5		●	●	●	●
8 / (5)	10	2	7.9	19 (4) 25 (5)	1		●	●	●	●
10 / (6)	12	3.5	9.9	19 (4) 25 (5)	1		●	●	●	●
13 / (7)	15	4.5	12.9	19 (4) 25 (5)	1		●	●	●	●
16 / (8)	18	6	15.9	19 (4) 25 (5)	1.5		●	●	●	●
20 / (9)	22	8	19.9	19 (4) 25 (5)	1.5		●	●	●	●

Material:

HSS
Order No 2259.3□□□.
ASP 2023
Order No 2259.6□□□.

Hardness:
Shaft 64 ± 2 HRC
Head 52 ± 5 HRC

☞ Description of FIBRO materials for tool and die components see at the beginning of Chapter E.

Execution:

Punch head heat compressed. Contact area, shaft and cutting form precision ground. The locating flat is designed parallel with the dimension P = 0°.

Note:

With kerf ≤ 0.04 mm, FIBRO rounds off sharp edges, if the punch and bush are ordered together. This reduces the fitting time and the risk of an edge break during operation.

Ordering Code (example):

2259.39G4.1215.1150.B

Angle: 90°	**Order Code character** = (B)
Shape: rectangle with radiused corners, Width W W = 11,5 mm	= 1150
Shape: rectangle with radiused corners, Length P P = 12,15 mm	= 1215
Punch cutting length l_1 19 mm	**Order No** = (4)
Length: l 100 mm	**Order Code character** = (G)
Diameter: d_1 20 mm	**Order No** = (9)
Material: HSS	**Order No** = (3)
Type: DIN 9861	**Order No** = (9)
Execution: rectangle with radiused corners	**Order No** = (5)
Punch: without ejector pin	= 22