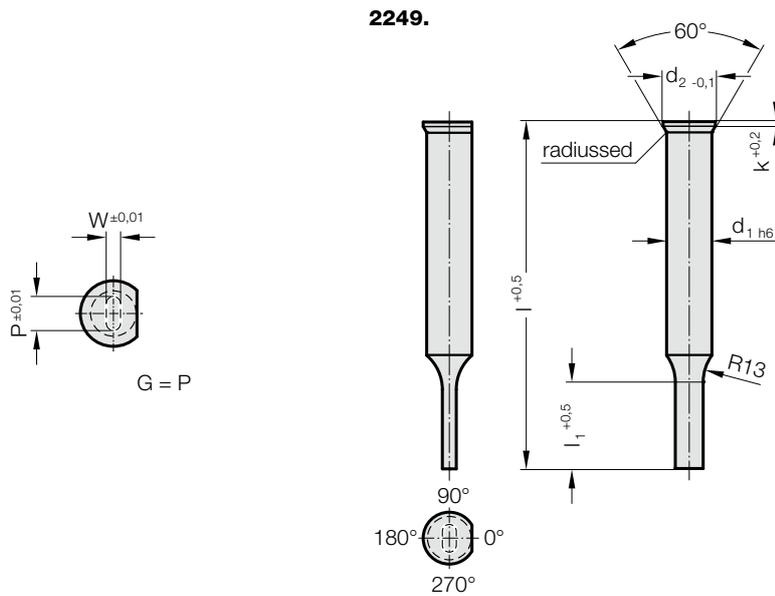


# PUNCH, STEPPED, SLOT, ~ DIN 9861

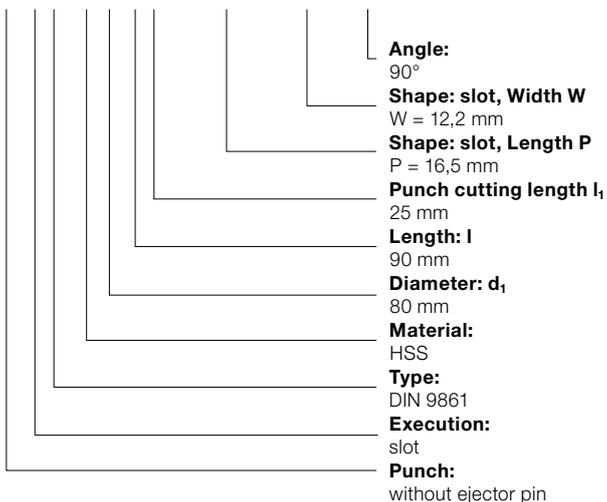


## 2249. Punch, stepped, slot, ~ DIN 9861

d <sub>1</sub> / Order No	d <sub>2</sub>	W <sub>min</sub>	G <sub>max</sub>	l <sub>1</sub> / Order No	k	l (Order Code character)	71 (D)	80 (E)	100 (G)	120 (J)
3 / (1)	4.5	0.5	2.9	8 (1) 10 (2)	0.5		●	●	●	●
4 / (2)	5.5	0.8	3.9	8 (1) 13 (3)	0.5		●	●	●	●
5 / (3)	6.5	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		●	●	●	●

### Ordering Code (example):

**2249.39G5.1650.1220.B**



**Order Code character**  
= (B)

= 1220

= 1650

**Order No**  
= (5)

**Order Code character**  
= (G)

**Order No**  
= (9)

**Order No**  
= (3)

**Order No**  
= (9)

**Order No**  
= (4)

= 22

### Material:

HSS

Order No 2249.3□□□.

ASP 2023

Order No 2249.6□□□.

### 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.