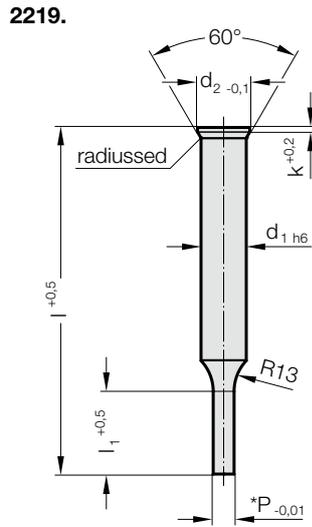


PUNCH, STEPPED, ROUND, ~DIN 9861



2219. Punch, stepped, round, ~DIN 9861

d ₁ / Order No	d ₂	P	l ₁ / Order No	k	l (Order Code character)	71 (D)	80 (E)	100 (G)	120 (J)
3 / (1)	4.5	0,8 - 2,9	8 (1) 10 (2)	0.5		●	●	●	●
4 / (2)	5.5	1 - 3,9	8 (1) 13 (3)	0.5		●	●	●	●
5 / (3)	6.5	1,5 - 4,9	13 (3) 19 (4)	0.5		●	●	●	●
6 / (4)	8	1,6 - 5,9	13 (3) 19 (4)	0.5		●	●	●	●
8 / (5)	10	2,5 - 7,9	19 (4) 25 (5)	1		●	●	●	●
10 / (6)	12	4 - 9,9	19 (4) 25 (5)	1		●	●	●	●
13 / (7)	15	5 - 12,9	19 (4) 25 (5)	1		●	●	●	●
16 / (8)	18	8 - 15,9	19 (4) 25 (5)	1.5		●	●	●	●
20 / (9)	22	12 - 19,9	19 (4) 25 (5)	1.5		●	●	●	●

Material:

HSS

Order No 2219.3□□□.

ASP 2023

Order No 2219.6□□□.

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:

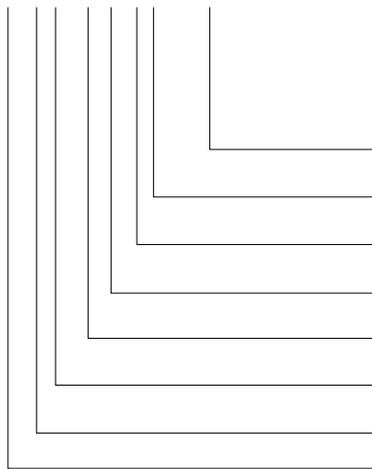
Stamp shank and punch head are precision ground after the heat compression and tempering of the punch head using the plunge process.

Note:

*P= Tolerance is different from the DIN standard (h6 tolerance according to DIN 9861)

Ordering Code (example):

2219.37G4.0720



Shape: round

P = ø 7,2 mm

Punch cutting length l₁

19 mm

Length: l

100 mm

Diameter: d₁

13 mm

Material:

HSS

Type:

DIN 9861

Execution: Order No

round

Punch:

without ejector pin

Order No

= 0720

Order No

= (4)

Order Code character

= (G)

Order No

= (7)

Order No

= (3)

Order No

= (9)

= (1)

= 22