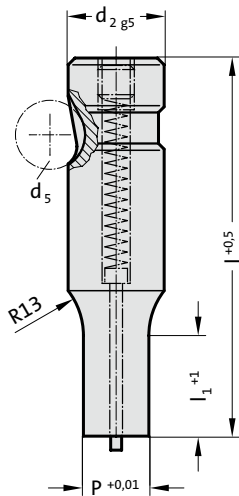


BALL-LOCK PUNCH, STEPPED, ROUND, WITH EJECTOR PIN, HEAVY DUTY



2713.



2713. Ball-Lock punch, stepped, round, with ejector pin, heavy duty

d ₂ / Order No	d ₅	P	I ₁ / Order No	I (Order Code character)	63 (C)	71 (D)	80 (E)	90 (F)	100 (G)	110 (H)	125 (J)
10 / (2)	10	5 - 9,9	13(1) 19(2)		●	●	●	●	●		
13 / (3)	12	6 - 12,9	13(1) 19(2)		●	●	●	●	●	●	●
16 / (4)	12	8 - 15,9	13(1) 19(2) 25(3)		●	●	●	●	●	●	●
20 / (5)	12	10 - 19,9	13(1) 19(2) 25(3)		●	●	●	●	●	●	●
25 / (6)	12	12 - 24,9	13(1) 19(2) 25(3)			●	●	●	●	●	●
32 / (7)	12	16 - 31,9	13(1) 19(2) 25(3)			●	●	●	●	●	●
40 / (9)	12	19 - 39,9	19(2) 25(3) 30(4)				●	●	●	●	●

*at d₂ = 16/ 20 and I = 63; I_{1 max.} = 19

Material:

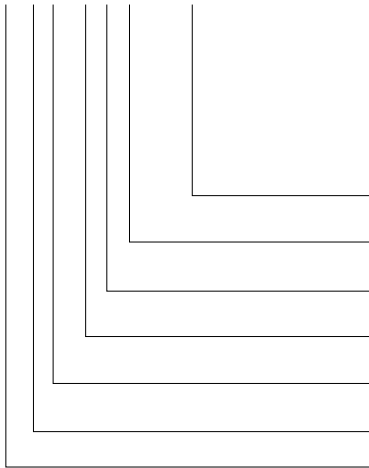
HSS
Hardness 62 ± 2 HRC

Execution:

Shaft and punch diameter fine ground.
Special dimensions on request.

Ordering Code (example):

2713.3C1.0550



Shape: round

P = Ø 5,5 mm

Punch cutting length: I₁

13 mm

Length: I

63 mm

Diameter: d₂

13 mm

Type:

heavy

Execution:

round

Punch:

with ejector pin

= 0550

Order No

= (1)

Order Code character

= (C)

Order No

= (3)

Order No

= (3)

Order No

= (1)

= 27