

161.

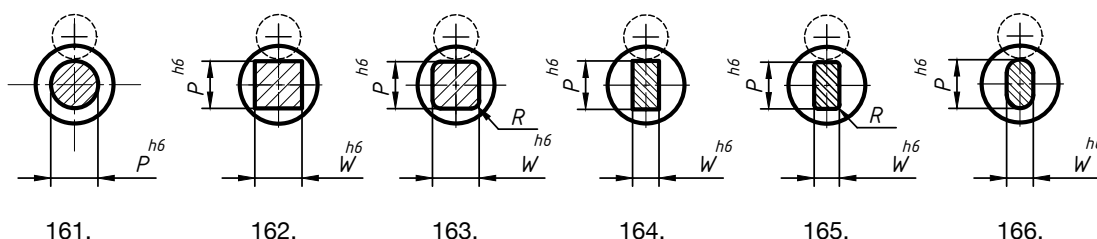
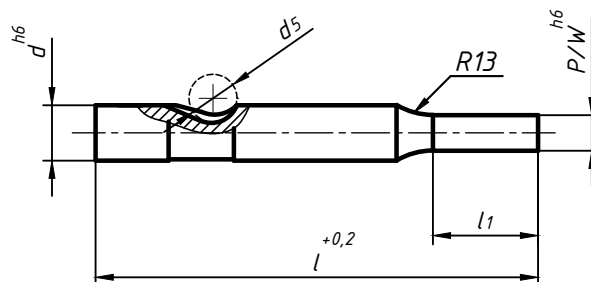
162.

163.

164.

165.

166.


MATERIAL
BODY HARDNESS
HEAD HARDNESS
MATERIAL CODE

HWS %12 Cr: 1.2379

 62 ± 2 HRC

 50 ± 3 HRC

A2 (HWS)

HSS: 1.3343

 64 ± 2 HRC

 53 ± 3 HRC

M2 (HSS)

POWDER METAL: ASP 2023

 64 ± 2 HRC

 53 ± 3 HRC

PM (PM4)

PVD COATING: TiN / TiAlN / TiCN

161. 162. 163. 164. 165. 166.

d	P	Min. Max.		l1			l							
	Min. Max.	W	P	STD.	ALT.	ALT.	63	71	80	90	100	110	125	
10	2,1 - 9,97	2,1	9,97	19	10	-	•	•	•	•	•			Different sizes are available upon request.
13	5,0 - 12,97	4,5	12,97		13	25	•	•	•	•	•	•	•	
16	8,0 - 15,97	6,0	15,97				•	•	•	•	•	•	•	
20	12,0 - 19,97	8,0	19,97				•	•	•	•	•	•	•	
25	16,0 - 24,91	10,0	24,97					•	•	•	•	•	•	
32	24,0 - 31,97	12,5	31,97					•	•	•	•	•	•	
40	30,0 - 39,97	14,0	39,97	25	19	30			•	•	•	•	•	

ORDER EXAMPLE
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Punch Code : 161.
Diameter (d=10,0) : 1000.
Length (l=80) : 080.
Diameter (P=5,0) : 0500.
Length (l1=19) : 19.

Punch Code : 165.
Diameter (d=13,0) : 1300.
Length (l=100) : 100.
Diameter (P=12,0/W=5,0) : 1200.0500.
Length (l1=19) : 19.

Material Code : M2
Order Code : 161.1000.080.0500.19.M2

R (R=2,0) : R2.0.
Material Code : A2
Order Code : 165.1300.100.1200.0500.19.R2.0.A2