

181.

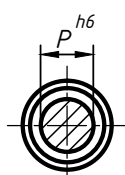
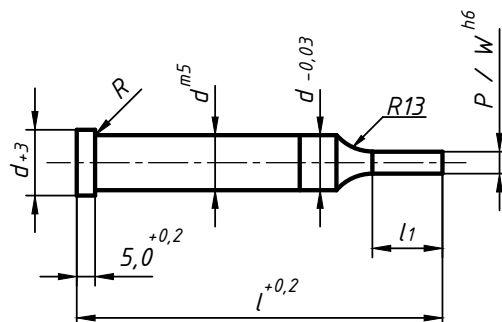
182.

183.

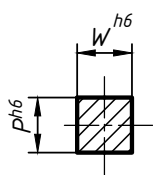
184.

185.

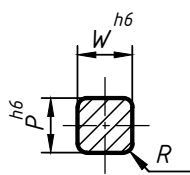
186.



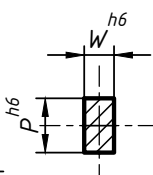
181.



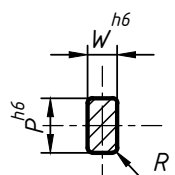
182.



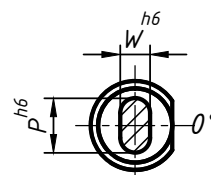
183.



184.



185.



186.

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

181. 182. 183. 184. 185. 186.

d	l1				l					Min. P	Max.	Min. W	Max. P	R
	13,0	19,0	25,0	30,0	63,0	71,0	80,0	90,0	100,0					
5,0	•				•	•	•			1,60 - 4,95		1,60	4,95	Different sizes are available upon request.
6,0	•				•	•	•	•	•	2,40 - 5,95		2,40	5,95	
8,0		•			•	•	•	•	•	3,20 - 7,95		3,20	7,95	
10,0		•			•	•	•	•	•	4,50 - 9,95		4,50	9,95	
13,0		•			•	•	•	•	•	6,00 - 12,95		6,00	12,95	
16,0		•			•	•	•	•	•	8,00 - 15,95		7,20	15,95	
20,0		•			•	•	•	•	•	10,00 - 19,95		8,00	19,95	
25,0		•			•	•	•	•	•	12,00 - 24,95		9,00	24,95	
32,0			•		•	•	•	•	•	16,00 - 31,95		10,00	31,95	
40,0			•		•	•	•	•	•	20,00 - 39,95		10,00	39,95	
45,0			•		•	•	•	•	•	25,00 - 44,95		10,00	44,95	
50,0			•		•	•	•	•	•	30,00 - 49,95		10,00	49,95	
56,0			•		•	•	•	•	•	35,00 - 55,95		11,00	55,95	
63,0			•		•	•	•	•	•	40,00 - 62,95		12,00	62,95	

ORDER EXAMPLE
ORDER EXAMPLE

 Punch Code : 181.
 Diameter (d=10,0) : 1000.
 Length (l=80) : 080.
 Diameter (P=5,0) : 0500.
 Length (l1=19) : 19.

 Punch Code : 185.
 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

R (R=2,0) : R2.0.

Order Code : 181.1000.080.0500.19.M2
Order Code : 185.1300.100.1200.0500.19.R2.0.A2