

220.

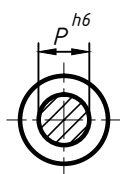
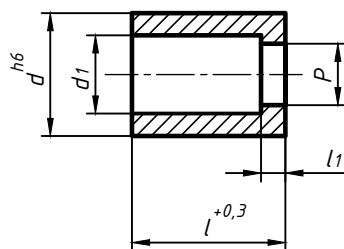
221.

222.

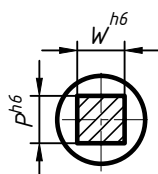
223.

224.

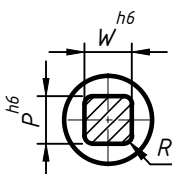
225.



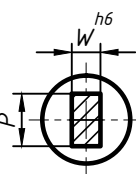
220.



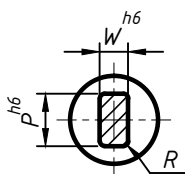
221.



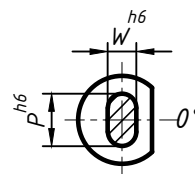
222.



223.



224.



225.

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			

220. 221. 222. 223. 224. 225.

d	l1			l									P		P / W		d1	R
	S	A	B	16	20	22	25	28	30	32	35	40	Min. Max.	Min. Max.				
8	4	8		●	●	●	●	●	●	●	●		1,0 - 4,0	1,0 - 4,0	4,4	Different sizes are available upon request.		
10	4	8		●	●	●	●	●	●	●	●	●	2,0 - 6,0	1,2 - 6,0	6,4			
13	5	8		●	●	●	●	●	●	●	●	●	3,0 - 8,0	1,5 - 8,0	8,4			
16	5	8		●	●	●	●	●	●	●	●	●	5,0 - 10,0	2,0 - 10,0	10,6			
20	5	12	20	●	●	●	●	●	●	●	●	●	7,0 - 12,0	3,0 - 12,0	12,6			
22	6	12	20	●	●	●	●	●	●	●	●	●	8,0 - 14,0	3,0 - 14,0	14,6			
25	6	12	20	●	●	●	●	●	●	●	●	●	10,0 - 16,0	3,0 - 16,0	16,6			
32	6	12	20	●	●	●	●	●	●	●	●		15,0 - 20,0	4,0 - 20,0	20,6			
38	8	12	20	●	●	●	●		●		●		19,0 - 36,0	5,0 - 26,0	26,6			
45	8	12	20		●	●	●		●		●		25,0 - 35,0	6,0 - 35,0	36,0			
50	8	12	20		●	●	●		●		●		33,0 - 40,0	7,0 - 40,0	41,0			
56	8	12	20		●	●	●		●		●		38,0 - 45,0	8,0 - 45,0	46,0			

ORDER EXAMPLE

ORDER EXAMPLE

Punch Code	: 220.	Punch Code	: 224.
Diameter (d=10,0)	: 1000.	Diameter (d=13,0)	: 1300.
Length (l=25)	: 025.	Length (l=30)	: 030.
Diameter (P=4,0)	: 0400.	Diameter (P=6,0 / W=3,0)	: 0600.0300.
Length (l1=4,0)	: 4.	Length (l1=5,0)	: 5.
		R (R=2,0)	: R2.0.
Material Code	: M2	Material Code	: A2
Order Code	: 220.1000.025.0400.4.M2	Order Code	: 224.1300.030.0600.0300.5.R2.0.A2