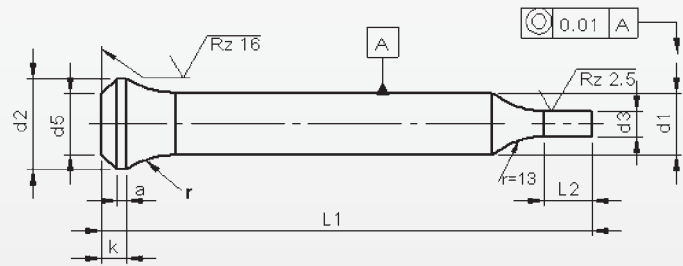
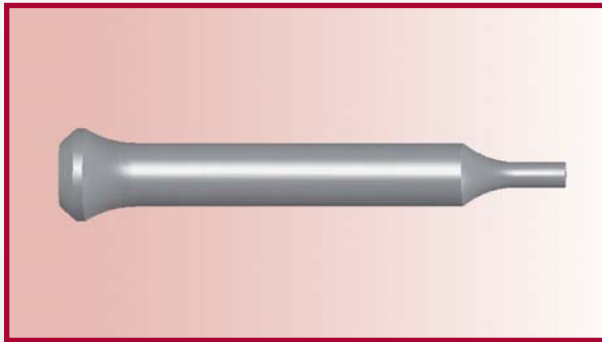


Punches with bottle neck type PP

With reduced shaft 'Round'



Material: HSS (1.3343)

Hardness: Shaft: 64 ±2 HRC

Head: 50 ±5 HRC

d ₁	d ₂	k	a	d ₅	r	^{+0.5} ₀ l ₁				
						71	80	90	100	120
h6		h6		^{+0.5} _{+0.0}		Price by piece in EUROS				
15,0	19,0	4.0	1.5	15.0	15.0	18,25	19,65	20,85	22,25	25,30
15.5	20.0					18,85	20,20	21,45	22,90	25,90
16,0	20,0					21,15	22,55	24,15	25,85	28,85
16.5	21.0					24,25	25,70	27,15	29,15	32,15
17,0	21,0					24,65	26,15	27,65	29,65	32,65
17.5	22.0					25,05	26,60	28,15	30,15	33,15
18,0	22,0					25,45	27,00	28,60	30,60	33,60
18.5	23.0					25,85	27,45	29,10	31,10	34,10
19,0	23,0					26,05	27,65	29,25	31,25	34,25
19.5	25.0					26,45	28,15	29,80	31,80	34,80
20,0	25,0	26,85	28,60	30,50	32,50	35,50				

Intermediate diameters, other lengths and special materials e.g. ASP, CPM and Vanadis, are available on request.

Extra charges and discounts:

- 1 Pieces per dimension + 50%
- 2-3 Pieces per dimension + 25%
- 25 Pieces per dimension - 5%
- 50 Pieces per dimension - 7%
- 100 Pieces per dimension - 10%