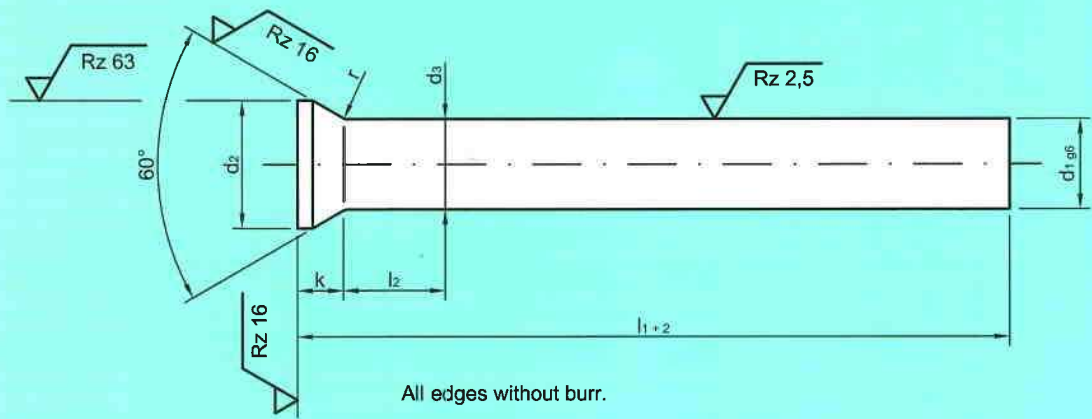




Ejector pins Type D

through-hardened
- with 60°- conical head

DIN 1530 Part 3



Application

For demoulding of parts from compression- or injection moulds. Used in plastics processing and for processing of metal alloys with low melting point.

Dimensions

Refer to chart overleaf - all dimensions are shown in "mm".

Tolerances

Shaft diameter d_1

	0,8 - 3 Ø	3,1 - 6 Ø	6,5 - 10 Ø	12 - 16 Ø
g 6	- 0,002	- 0,004	- 0,005	- 0,006
	- 0,008	- 0,012	- 0,014	- 0,017

Overall length l_{1+2}

For other tolerances please refer to drawing and chart.
Untoleranced dimensions according to DIN ISO 2768-m.

Material

Alloyed cold working steel (WS)
Material-No. 1.2516 (120 WV 4)
1.2067 (100 Cr 6)

Characteristic

Tempering properties approx 200° C / 392° F

Hardness

Shaft: HRC 60 ±2
Head: HRC 45 ±5 (1250 - 1670 MPa)

Finish

Trough-hardened, tempered, fine ground shaft,
hot forged 60°-conical head, conserved.

Remarks

Good grindability, no drop of hardness will occur if handled properly.
Due to the small head diameter, these pins offer the advantage that mounting into the mould with minimum centre-to-centre distances is possible.

Shaft-Ø d ₁ g6	Head-Ø d ₂	Head-Ø- Tol.	Head height k +0,2	Radius r	Swelling d ₃	Length of swelling l ₂	Overall length l ₁ + 2														
							40	63	80	100	125	160	200	250	315						
0,80	1,4	± 0,05	0,92	0,2 ^{+0,2}	d1 +0,02	5															
0,90	1,6		1,01																		
1,00	1,8		1,19																		
1,10			1,11																		
1,20	2,0		1,19																		
1,25			1,15																		
1,30			1,11																		
1,40	2,2		1,19																		
1,50			1,11																		
1,60			1,28																		
1,70			1,19																		
1,75	2,5		1,41																		
1,80			± 0,1				1,37	0,4 ^{+0,3}	d1 +0,03	5											
1,90							1,28														
2,00	3,0	1,37																			
2,10	3,2	1,45																			
2,20		1,37																			
2,25	3,5	1,59																			
2,30		1,54																			
2,40		1,45																			
2,50		1,37																			
2,60		4,0		1,71																	
2,70				1,63																	
2,75	1,59																				
2,80	1,54																				
2,90	4,5	1,45																			
3,00		1,80																			
3,10		1,71																			
3,20		1,63																			
3,25		1,59																			
3,50	5,0	1,80																			
3,60		1,71																			
3,75		1,59																			
4,00		1,80																			
4,10	5,5	1,71																			
4,20		1,63																			
4,25		1,59																			
4,50		1,80																			
4,60	6,0	1,71																			
5,00	6,5	1,80																			
5,10		1,71																			
5,20		1,63																			
5,25		1,59																			
5,50		7,0	1,80																		
6,00	8,0	2,23																			
6,20		2,56																			
6,50		3,17																			
7,00		9,0	2,73																		
7,50	10,0	3,17																			
8,00		2,73																			
8,20		2,56																			
8,50		3,17																			
9,00	11,0	± 0,2																			
10,00	12,0																				
11,00	13,0		2,73																		
12,00	14,0																				
14,00	16,0																				
16,00	18,0		3,23	1,5 ^{+0,5}																	

The marked squares indicate **DREI-S** standard sizes.
Other sizes on request.