

GROOVE PIN : ISO 8745 Equivalent DIN 1472, EN 28745, IS 7385

Dimensions in millimetres

d1	Nominal	1.5	2	2.5	3	4	5	6	8	10	12	16	20	25				
	Tolerance	h9				h11												
a	≈	0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	1.6	2	2.5	3				
Double shear kN		1.6	2.84	4.4	6.4	11.3	17.6	25.4	45.2	70.4	101.8	181	283	444				
l ¹⁾		Expanded diameter d ₂ ^{2), 3)}																
Nominal	Tolerance	+ 0.05		± 0.05						± 0.10								
8	± 0.25	1.63	2.15	2.65	3.20													
10							4.25	5.25										
12	± 0.50	1.63	2.15	2.70	3.25				6.25									
14								4.30	5.30			8.25						
16												8.30	10.30					
18														12.30				
20												6.30						
22													10.35	12.35				
24									3.30									
26																		
28																		
30										4.35			8.35			16.50		
32	± 0.75	1.63	2.15	2.70						10.40	12.40		20.55	25.50				
35							3.25											
40															16.55			
45																		
50																		
55										4.30								
60											5.30		8.40					
65														10.45	12.45			
70																		
75												6.30						
80	± 0.75	1.63	2.15	2.70								16.60						
85																		
90													8.35			20.60	25.60	
95														10.40	12.40			
100																		
120																		
140																		
160														10.4	12.4			
180																16.55		
200																		

1) The range of commercial lengths is between the stepped lines.

2) For testing d₂, a GO/NO GO ring Gauge should be used.

3) The expanded diameter d₂ applies only to pins made from steel. For other materials, for example stainless steel, a reduction amount shall be subtracted from the given values and should be agreed between customer and supplier.

