

LOCKING GROOVED PIN (Third Length Centre) : ISO 8742 Equivalent DIN 1475, EN 28742, IS 7383															
														Dimensions in millimetres	
d ₁	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	1.60													
10															
12	± 0.50	1.63	2.10	2.60	3.10										
14															
16															
18							4.15	5.15							
20															
22						3.15									
24															
26			2.15												
28							4.20	5.20							
30															
32	± 0.75				3.20					6.25					
35															
40							4.25								
45								5.25							
50									6.30			10.30			
55							4.30						12.25		
60								5.30			8.35			16.25	20.25 25.25
65															
70															
75									6.35			10.40			
80															
85									8.40						
90	± 0.75														
95											10.45				
100															
120															
140												12.50	16.50		
160											10.40				20.50 25.50
180															
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.

