

**LOCKING GROOVED PIN (Half Length Centre) : ISO 8743, EN 28743**

*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																		
14	± 0.50	1.63	2.10	2.60	3.10													
16																		
18								4.15	5.15									
20						3.15												
22										6.15								
24																		
26	± 0.75		2.15	2.65		4.20	5.20											
28																		
30											6.25	8.20						
32								3.20										
35										4.25			8.25	10.20				
40																		
45	± 0.75						5.25			8.30	12.25	16.25	20.25	25.25				
50											6.30		10.30					
55									4.30					12.30	16.30	20.30	25.30	
60											5.30							
65																		
70																		
75												6.35		10.40	12.40	16.40	20.40	25.40
80																		
85													8.40					
90														10.45				
95																		
100																		
120											12.50	16.50	20.50	25.50				
140																		
160										10.40								
180																		
200																		

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

2) For testing  $d_2$ , a GO/NO GO ring Gauge should be used.

3) The expanded diameter  $d_2$  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.

