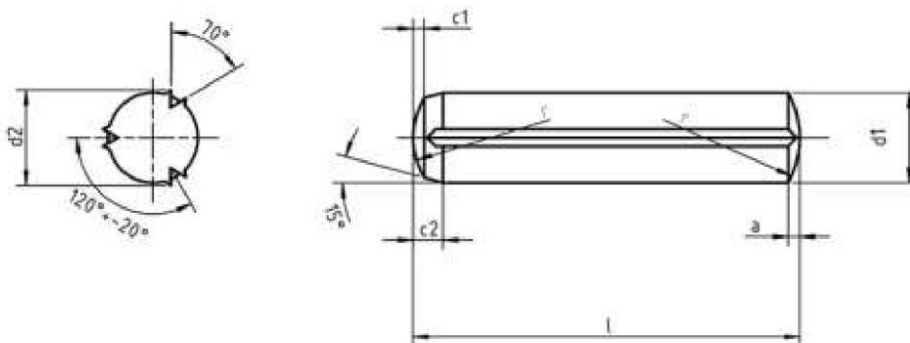




Product Dimensions, Standards and Weights

DIN 1473 / ISO 8740 Technical Specifications

Metric DIN 1473 Grooved Pins, Full Length Groove



Dimensions of Metric DIN 1473 Grooved Pins, Full Length Groove

d1	Nominal		1.5	2	2.5	3	4	5	6	8	10	12	16	20	25
	tolerance		h9				h11								
c1	=		0.12	0.18	0.25	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5
c2			0.6	0.8	1	1.2	1.4	1.7	2.1	2.6	3	3.8	4.6	6	7.5
a	=		0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	1.6	2	2.5	3
The smallest cutting force two sections kN			1.6	2.84	4.4	6.4	11.3	17.6	25	45.2	70.4	101.8	181	283	444
l			Groove diameter												
Nominal	min.	max.	0.05 0		±0.05							±0.1			
8	7.75	8.25	1.6	2.15											
10	9.75	10.25	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35				
12	11.5	12.5	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35				
14	13.5	14.5	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35				
16	15.5	16.5	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35			
18	17.5	18.5	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35			
20	19.5	20.5	1.6	2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35			



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Precision Fasteners, Built to Last
175/6 Sar Building, Sp Road, Bangalore, 560002



+91-8660813791

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d1	Nominal		1.5	2	2.5	3	4	5	6	8	10	12	16	20	25
	tolerance		h9				h11								
c1	=		0.12	0.18	0.25	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5
c2			0.6	0.8	1	1.2	1.4	1.7	2.1	2.6	3	3.8	4.6	6	7.5
a	=		0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	1.6	2	2.5	3
The smallest cutting force two sections kN			1.6	2.84	4.4	6.4	11.3	17.6	25	45.2	70.4	101.8	181	283	444
l			Groove diameter												
Nominal	min.	max.	0.05 0			±0.05						±0.1			
22	21.5	22.5		2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4		
24	23.5	24.5		2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4		
26	25.5	26.5		2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
28	27.5	28.5		2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
30	29.5	30.5		2.15	2.65	3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
32	31.5	32.5				3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
35	34.5	35.5				3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
40	39.5	40.5				3.2	4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
45	44.5	45.5					4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
50	49.5	50.5					4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
55	54.25	55.75					4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
60	59.25	60.75					4.25	5.25	6.3	8.3	10.35	12.35	16.4	20.5	25.5
65	64.25	65.75							6.3	8.3	10.35	12.35	16.4	20.5	25.5
70	69.25	70.75							6.3	8.3	10.35	12.35	16.4	20.5	25.5
75	74.25	75.75							6.3	8.3	10.35	12.35	16.4	20.5	25.5
80	79.25	80.75							6.3	8.3	10.35	12.35	16.4	20.5	25.5
85	84.25	85.75								8.3	10.35	12.35	16.4	20.5	25.5
90	89.25	90.75								8.3	10.35	12.35	16.4	20.5	25.5
95	94.25	95.75								8.3	10.35	12.35	16.4	20.5	25.5
100	99.25	100.8								8.3	10.35	12.35	16.4	20.5	25.5



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Metric DIN 1473 grooved pins full length groove (ISO 8740) have three longitudinal parallel grooves extending the full length of the pin that expand the pin's diameter. When inserted into the straight hole the expanded diameter is pressed back to the nominal diameter. As the pin tries to expand to the larger diameter the force against the hole's wall tightens the fit. This creates the holding power against shock and vibration. Unique Fasteners offers one of the most complete ranges of metric pins and other inch and metric industrial fasteners for immediate delivery from stock. The following sizes of metric DIN 1473 grooved pins full length groove are available for immediate shipping from stock: Diameters ranging from M2 to M8 up to 60mm long in 303 stainless steel.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as Metric DIN 1473 grooved pins full length groove. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization. In this case the ISO equivalency is ISO 8740