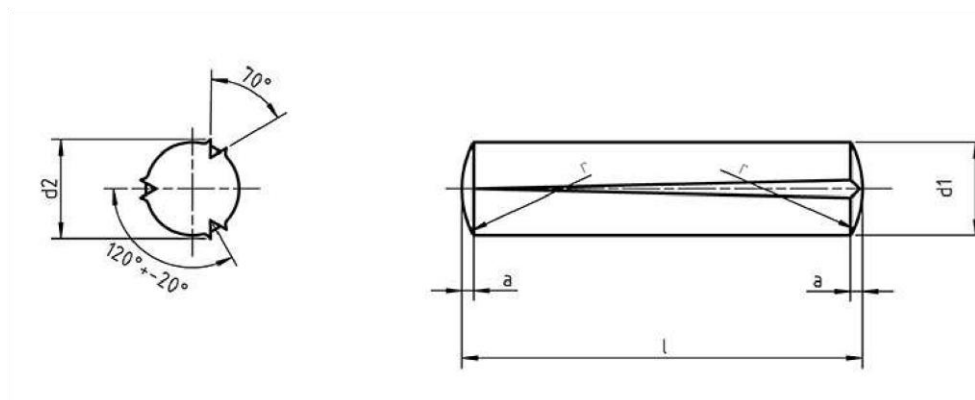




Product Dimensions, Standards and Weights

DIN 1471 / ISO 8744 Technical Specifications

Metric DIN 1471 Grooved Pins, Full Length Taper Groove



Dimensions of Metric DIN 1471 Grooved Pins, Full Length Taper Groove

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
The smallest			4.4	6.4	11.3	17.6	25.4	45.2	70.4	101.8	181	283	444	283	444
cutting force two sections kN															
l									Groove diameter						
Nominal	min.	max.	0.05					±0.05					±0.1		
8	7.75	8.25	1.63	2.15	2.7	3.25	4.3	5.3							
10	9.75	10.25	1.63	2.15	2.7	3.3	4.3	5.3	6.3						
12	11.5	12.5	1.6	2.15	2.7	3.3	4.35	5.3	6.3	8.35					
14	13.5	14.5	1.6	2.15	2.7	3.3	4.35	5.35	6.35	8.35	10.4	12.4			
16	15.5	16.5	1.6	2.15	2.7	3.3	4.35	5.35	6.35	8.35	10.4	12.4			
18	17.5	18.5	1.6	2.15	2.65	3.25	4.35	5.35	6.35	8.4	10.4	12.4			
20	19.5	20.5	1.6	2.15	2.65	3.25	4.35	5.35	6.35	8.4	10.4	12.4			
22	21.5	22.5		2.15	2.65	3.25	4.3	5.3	6.35	8.4	10.45	12.45			



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d1			Nominal		1.5	2	2.5	3	4		5	6	8		10
			tolerance					h9							h11
a	=		0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	12	16	20	25
The smallest	4.4		6.4		11.3	17.6	25.4	45.2	70.4		101.8	181	283		
cutting force two sections kN	=		0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	1.6	2	2.5	3
l			min.	max.	0.05		Groove diameter	±0.05					444	283	444
Nominal															
24			23.5		24.5		2.15	2.65	3.25		4.3	5.3	6.35		8.4
26	25.5	26.5			2.15	2.65	3.2	4.3	5.3		6.35	8.4	±0.1		
28	27.5	28.5		2.15	2.65	3.2	4.3	5.3	6.35	8.4	10.45	12.45	16.55		
30	29.5	30.5		2.15	2.65	3.2	4.3	5.3	6.35	8.4	10.45	12.45	16.6	20.6	25.6
32	31.5	32.5				3.2	4.3	5.3	6.3	8.35	10.45	12.45	16.6	20.6	25.6
35	34.5	35.5				3.2	4.3	5.3	6.3	8.35	10.45	12.45	16.6	20.6	25.6
40	39.5	40.5				3.2	4.25	5.3	6.3	8.35	10.45	12.45	16.6	20.6	25.6
45	44.5	45.5					4.25	5.25	6.3	8.35	10.45	12.45	16.6	20.6	25.6
50	49.5	50.5					4.25	5.25	6.3	8.35	10.45	12.45	16.6	20.6	25.6
55	54.25	55.75					4.25	5.25	6.25	8.35	10.4	12.4	16.6	20.6	25.6
60	59.25	60.75					4.25	5.25	6.25	8.3	10.4	12.4	16.6	20.6	25.6
65	64.25	65.75							6.25	8.3	10.4	12.4	16.55	20.6	25.6
70	69.25	70.75							6.25	8.3	10.4	12.4	16.55	20.6	25.6
75	74.25	75.75							6.25	8.3	10.35	12.4	16.55	20.6	25.6
80	79.25	80.75							6.25	8.3	10.35	12.3	16.55	20.6	25.6
85	84.25	85.75								8.25	10.35	12.3	16.55	20.6	25.6
90	89.25	90.75								8.25	10.35	12.3	16.55	20.6	25.6
95	94.25	95.75								8.25	10.35	12.3	16.55	20.6	25.6
100	99.25	100.8								8.25	10.35	12.3	16.55	20.6	25.6
120	119.3	120.8									10.35	12.3	16.5	20.6	25.6
140	139.3	140.8									10.35	12.3	16.5	20.6	25.6



160	159.3	160.8									10.3	12.3	16.5	20.6	25.6
180	179.3	180.8									10.4	12.5	16.5	20.5	25.5
200	199.3	200.8									10.4	12.5	16.5	20.5	25.5

Metric DIN 1471 grooved pins, full length taper groove (ISO 8744) have three longitudinal tapered grooves 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 1471 grooved pins, full length taper 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 1471 grooved pins, full length taper 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 8744