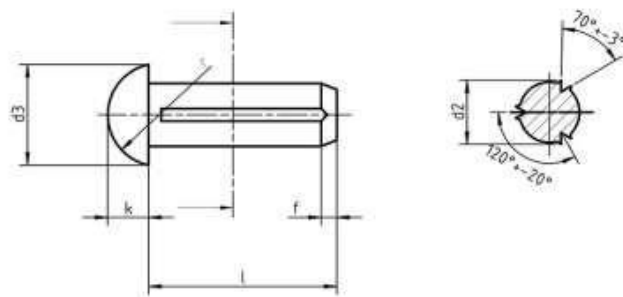




Product Dimensions, Standards and Weights

DIN 1476 / ISO 8746 Technical Specifications

Metric DIN 1476 Round Head Grooved Pins



Dimensions of Metric DIN 1476 Round Head Grooved Pins

d1		nominal	1.4	1.6	2	2.5	3	4	5	6	8	10	12	16	20
		max.	1.4	1.6	2	2.5	3	4	5	6	8	10	12	16	20
		min	1.35	1.55	1.95	2,425	2,925	3.9	4.9	5.9	7.85	9.85	11.8	15.8	19.8
dk		max.	2.6	3	3.7	4.6	5.45	7.25	9.1	10.8	14.4	16	19	25	32
		min.	2.2	2.6	3.3	4.2	4.95	6.75	8.5	10.2	13.6	14.9	17.7	23.7	30.7
k		max.	0.9	1.1	1.3	1.6	1.95	2.55	3.15	3.75	5	7.4	8.4	10.9	13.9
		min.	0.7	0.9	1.1	1.4	1.65	2.25	2.85	3.45	4.6	6.5	7.5	10	13
r		=	1.4	1.6	1.9	2.4	2.8	3.8	4.6	5.7	7.5	8	9.5	13	16.5
c			0.42	0.48	0.6	0.75	0.9	1.2	1.5	1.8	2.4	3	3.6	4.8	6
l			Groove diameter												
nominal	min.	max.	0.05			±0.05							±0.1		
			0												
3	2.8	3.2	1.5	1.7	2.15	2.7									
4	3.7	4.3	1.5	1.7	2.15	2.7	3.2								
5	4.7	5.3	1.5	1.7	2.15	2.7	3.2	4.25							
6	5.7	6.3	1.5	1.7	2.15	2.7	3.2	4.25	5.25						
8	7.7	8.3		1.7	2.15	2.7	3.2	4.25	5.25	6.3					
10	9.7	10.3			2.15	2.7	3.2	4.25	5.25	6.3	8.3				
12	11.6	12.4				2.7	3.2	4.25	5.25	6.3	8.3	10.35			
16	15.6	16.4					3.2	4.25	5.25	6.3	8.3	10.35	12.35		
20	19.5	20.5						4.25	5.25	6.3	8.3	10.35	12.35	16.4	



d1	nominal	1.4	1.6	2	2.5	3	4	5	6	8	10	12	16	20
	max.	1.4	1.6	2	2.5	3	4	5	6	8	10	12	16	20
	min	1.35	1.55	1.95	2.425	2.925	3.9	4.9	5.9	7.85	9.85	11.8	15.8	19.8
dk	max.	2.6	3	3.7	4.6	5.45	7.25	9.1	10.8	14.4	16	19	25	32
	min.	2.2	2.6	3.3	4.2	4.95	6.75	8.5	10.2	13.6	14.9	17.7	23.7	30.7
k	max.	0.9	1.1	1.3	1.6	1.95	2.55	3.15	3.75	5	7.4	8.4	10.9	13.9
	min.	0.7	0.9	1.1	1.4	1.65	2.25	2.85	3.45	4.6	6.5	7.5	10	13
r	=	1.4	1.6	1.9	2.4	2.8	3.8	4.6	5.7	7.5	8	9.5	13	16.5
c		0.42	0.48	0.6	0.75	0.9	1.2	1.5	1.8	2.4	3	3.6	4.8	6
l		Groove diameter												
nominal	min.	max.	0.05			±0.05						±0.1		
			0											
25	24.5	25.5						5.25	6.3	8.3	10.35	12.35	16.4	20.5
30	29.5	30.5							6.3	8.3	10.35	12.35	16.4	20.5
35	34.5	35.5								8.3	10.35	12.35	16.4	20.5
40	39.5	40.5								8.3	10.35	12.35	16.4	20.5

Metric DIN 1476 Round Head Grooved Pins (ISO 8746) have three equally spaced longitudinal tapered grooves that expand the pin's diameter. When inserted into the drilled hole of appropriate diameter the expanded diameter of the pin 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 1476 Round Head Grooved Pins are available for immediate shipping from stock: Diameters ranging from M2 to M5 up to 25mm long in A2 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 1476 Round Head Grooved Pins. 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 8746