

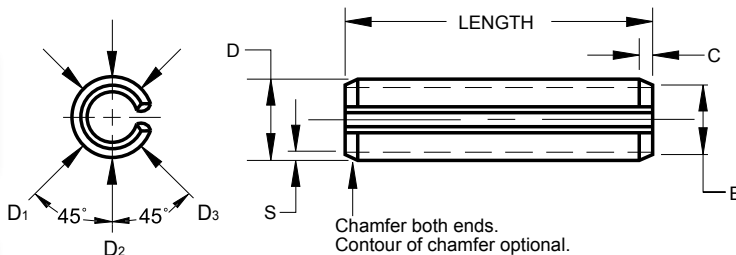
STANDARD METRIC

PIN MATERIALS AND HARDNESS

B	High Carbon Steel	HV 458-560
C	Martensitic Stainless Steel	HV 423-544
D	Austenitic Stainless Steel	Work Hardened

PIN FINISHES

K	Plain
T	Mechanical Zinc Plated



Plain carbon steel pins have a protective oil finish.

METRIC SPECIFICATIONS

NOMINAL DIAMETER		1.5	2	2.5	3	4	5	6	8	10	12
DIAMETER ØD	MAX. ¹	1.66	2.19	2.72	3.25	4.30	5.33	6.36	8.45	10.51	12.55
	MIN. ²	1.58	2.10	2.62	3.14	4.16	5.17	6.18	8.22	10.25	12.28
CHAMFER DIAMETER B	MAX.	1.4	1.9	2.4	2.9	3.9	4.8	5.8	7.8	9.7	11.7
CHAMFER LENGTH C	MAX.	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	2.4	2.8
	MIN.	0.15	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6
WALL THICKNESS S	NOMINAL	0.35	0.45	0.55	0.65	0.8	1.0	1.2	1.6	2.0	2.5
RECOMMENDED HOLE SIZE	MAX.	1.56	2.07	2.58	3.10	4.12	5.12	6.12	8.15	10.15	12.18
	MIN.	1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00	12.00
MIN. DOUBLE SHEAR STRENGTH, kN	CARBON & MARTENSITIC SST	1.8	3.5	5.5	7.8	12.3	19.6	28.5	48.8	79.1	104.1
	AUSTENITIC SST	1.0	2.0	3.2	4.5	7.2	11.4	16.6	28.4	46.1	60.7

¹ Maximum diameter measured with go-ring gage. ² Minimum diameter is the average of D1, D2 and D3.

STANDARD SIZES

NOMINAL DIAMETER		1.5	2	2.5	3	4	5	6	8	10	12
LENGTH	5										
	6										
	8										
	10										
	12										
	14										
	16										
	18										
	20										
	22										
	24										
	26										
	28										
	30										
	32										
	35										
	40										
	45										
	50										
	55										
60											
65											
70											
75											
80											

Nominal Pin Length	Length Tolerance
Up to 24mm incl.	± 0.40mm
Over 24mm to 50mm incl.	± 0.50mm
Over 50mm to 75mm incl.	± 0.60mm
Over 75mm	± 0.75mm

Straightness Gauge Specifications ³			
Nominal Pin Length	Gage Length	Gage Hole Diameter = Maximum Pin Diameter Plus:	
		MIN.	MAX.
Up to 24mm incl.	25mm ± 0.15mm	0.20mm	0.22mm
24mm – 50mm	50mm ± 0.15mm	0.40mm	0.43mm
Over 50mm	75mm ± 0.15mm	0.60mm	0.64mm

Available in high carbon and stainless steel (all)

Only available in high carbon

³ The straightness over the length of the pins shall be such that the pin will pass freely through a ring gage of the length and diameter specified. All dimensions apply prior to plating • Other sizes and materials available to order • Produced in accordance with ASME B18.8.4M TYPE B



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Lower assembly costs.**



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