

## ISO 8752

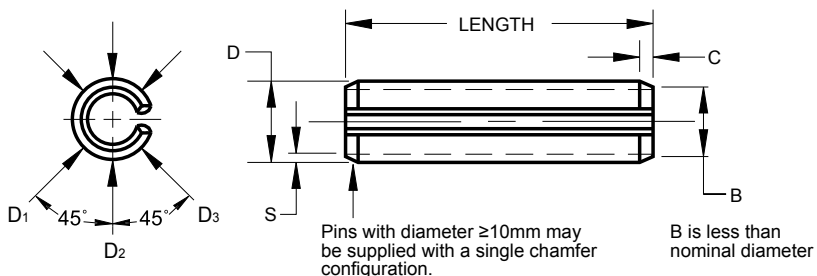
### PIN MATERIALS AND HARDNESS

<b>B</b>	High Carbon Steel	HV 420-520
<b>D</b>	Austenitic Stainless Steel	Work Hardened

### PIN FINISHES

<b>K</b>	Plain
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Plain carbon steel pins have a protective oil finish.



### METRIC SPECIFICATIONS

NOMINAL DIAMETER		1.5	2	2.5	3	3.5	4	5	6	8	10	12
DIAMETER ØD	MAX. <sup>1</sup>	1.8	2.4	2.9	3.5	4.0	4.6	5.6	6.7	8.8	10.8	12.8
	MIN. <sup>2</sup>	1.7	2.3	2.8	3.3	3.8	4.4	5.4	6.4	8.5	10.5	12.5
CHAMFER LENGTH C	MAX.	0.45	0.55	0.60	0.70	0.80	0.85	1.10	1.40	2.00	2.40	2.40
	MIN.	0.25	0.35	0.40	0.50	0.60	0.65	0.90	1.20	1.60	2.00	2.00
WALL THICKNESS S	NOMINAL	0.3	0.4	0.5	0.6	0.75	0.8	1.0	1.2	1.5	2.0	2.5
RECOMMENDED HOLE SIZE	MAX.	1.60	2.10	2.60	3.10	3.62	4.12	5.12	6.12	8.15	10.15	12.18
	MIN.	1.50	2.00	2.50	3.00	3.50	4.00	5.00	6.00	8.00	10.00	12.00
MIN. DOUBLE SHEAR STRENGTH HIGH CARBON STEEL, kN <sup>3</sup>		1.58	2.82	4.38	6.32	9.06	11.24	17.54	26.04	42.76	70.16	104.1

<sup>1</sup> Maximum diameter measured with go-ring gage.

<sup>2</sup> Minimum diameter is the average of D1, D2 and D3.

<sup>3</sup> Shear strength for austenitic stainless steel is not specified.

### STANDARD SIZES

NOMINAL DIAMETER		1.5	2	2.5	3	3.5	4	5	6	8	10	12
LENGTH	5											
	6											
	8											
	10											
	12											
	14											
	16											
	18											
	20											
	22											
	24											
	26											
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	30											
	32											
	35											
	40											
	45											
	50											
	55											
60												
65												
70												
75												
80												

Nominal Pin Length	Length Tolerance
<b>Length Tolerance - ISO 8752</b>	
4mm to 10mm	± 0.25mm
12mm to 50mm	± 0.50mm
55mm to 100mm	± 0.75mm
<b>Length Tolerance - DIN 1481 (Ref)</b>	
4mm to 10mm	+ 0.5mm
12mm to 50mm	+ 1.0mm
55mm to 100mm	+ 1.5mm

<span style="display: inline-block; width: 20px; height: 10px; background-color: #ADD8E6; border: 1px solid black;"></span> Only available in high carbon and austenitic stainless steel
<span style="display: inline-block; width: 20px; height: 10px; background-color: #0070C0; border: 1px solid black;"></span> Only available in high carbon



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