

Spring Tension Pin
ISO 8752 (DIN 1481)

Std Material: Carbon Spring Steel
Standard Finish: Self / Plain
Stainless parts as metric dimensions

Chamfer angle: 15~30 Degrees
Hardness: 44~53 Rockwell C

Nominal Dia mm	Diameter (D) Min	Max	Wall Thickness (T)	Recommended Hole Size Min	Max	Minimum Double shear KN	KG	Chamfer Length (C) Min	Max
1	1.2	1.3	0.2	1.00	1.10	7	71	0.15	0.35
1.5	1.7	1.8	0.3	1.50	1.60	16	161	0.25	0.45
2	2.3	2.4	0.4	2.00	2.10	29	288	0.35	0.55
2.5	2.8	2.9	0.5	2.50	2.60	46	447	0.40	0.60
3	3.3	3.5	0.6	3.00	3.10	66	644	0.50	0.70
3.5	3.8	4.0	0.7	3.50	3.62	94	924	0.50	0.80
4	4.4	4.6	0.8	4.00	4.12	117	1146	0.65	0.85
4.5	4.9	5.1	1.0	4.50	4.62	160	1567	0.80	1.00
5	5.4	5.6	1.0	5.00	5.12	182	1789	0.90	1.10
6	6.4	6.7	1.2	6.00	6.12	271	2655	1.20	1.40
8	8.5	8.8	1.5	8.00	8.15	445	4360	1.40	1.80
10	10.5	10.8	2.0	10.00	10.15	729	7154	2.00	2.40
12	12.5	12.8	2.5	12.00	12.17	1082	10615	2.00	2.40
13	13.5	13.8	2.5	13.00	13.17	1196	11732	2.00	2.40
14	14.5	14.8	3.0	14.00	14.17	1505	14755	2.00	2.40
16	16.5	16.8	3.0	16.00	16.17	1779	17447	2.00	2.40

Part Numbers

Nominal Diameter mm

Pin Length	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	8.0	10.0	12.0	13.0	14.0	16.0
4.0	STP-4	STP15-4	STP2-4	STP25-4	STP3-4											
5.0	STP-5	STP15-5	STP2-5	STP25-5	STP3-5											
6.0	STP-6	STP15-6	STP2-6	STP25-6	STP3-6	STP35-6	STP4-6									
8.0	STP-8	STP15-8	STP2-8	STP25-8	STP3-8	STP35-8	STP4-8	STP5-8	STP5-8							
10.0	STP-10	STP15-10	STP2-10	STP25-10	STP3-10	STP35-10	STP4-10	STP4.5-10	STP5-10	STP6-10	STP8-10					
12.0	STP-12	STP15-12	STP2-12	STP25-12	STP3-12	STP35-12	STP4-12	STP4.5-12	STP5-12	STP6-12	STP8-12					
14.0	STP-14	STP15-14	STP2-14	STP25-14	STP3-14	STP35-14	STP4-14	STP4.5-14	STP5-14	STP6-14	STP8-14					
16.0	STP-16	STP15-16	STP2-16	STP25-16	STP3-16	STP35-16	STP4-16	STP4.5-16	STP5-16	STP6-16	STP8-16	STP10-16	STP12-16			
18.0	STP-18	STP15-18	STP2-18	STP25-18	STP3-18	STP35-18	STP4-18	STP4.5-18	STP5-18	STP6-18	STP8-18	STP10-18	STP12-18			
20.0	STP-20	STP15-20	STP2-20	STP25-20	STP3-20	STP35-20	STP4-20	STP4.5-20	STP5-20	STP6-20	STP8-20	STP10-20	STP12-20			
22.0			STP2-22	STP25-22	STP3-22	STP35-22	STP4-22	STP4.5-22	STP5-22	STP6-22	STP8-22	STP10-22	STP12-22			
24.0		STP15-24	STP2-24	STP25-24	STP3-24	STP35-24	STP4-24	STP4.5-24	STP5-24	STP6-24	STP8-24	STP10-24	STP12-24			
26.0			STP2-26	STP25-26	STP3-26	STP35-26	STP4-26	STP4.5-26	STP5-26	STP6-26	STP8-26	STP10-26	STP12-26			
28.0			STP2-28	STP25-28	STP3-28	STP35-28	STP4-28	STP4.5-28	STP5-28	STP6-28	STP8-28	STP10-28	STP12-28			
30.0			STP2-30	STP25-30	STP3-30	STP35-30	STP4-30	STP4.5-30	STP5-30	STP6-30	STP8-30	STP10-30	STP12-30	STP13-30	STP14-30	STP16-30
32.0					STP3-32	STP35-32	STP4-32	STP4.5-32	STP5-32	STP6-32	STP8-32	STP10-32	STP12-32			
35.0					STP3-35	STP35-35	STP4-35	STP4.5-35	STP5-35	STP6-35	STP8-35	STP10-35	STP12-35			
36.0					STP3-36	STP35-36	STP4-36	STP4.5-36	STP5-36	STP6-36	STP8-36	STP10-36	STP12-36			
40.0			STP2-40	STP25-40	STP3-40	STP35-40	STP4-40	STP4.5-40	STP5-40	STP6-40	STP8-40	STP10-40	STP12-40	STP13-40	STP14-40	STP16-40
45.0							STP4-45	STP4.5-45	STP5-45	STP6-45	STP8-45	STP10-45	STP12-45		STP14-45	STP16-45
50.0					STP3-50	STP35-50	STP4-50	STP4.5-50	STP5-50	STP6-50	STP8-50	STP10-50	STP12-50	STP13-50	STP14-50	STP16-50
55.0									STP5-55	STP6-55	STP8-55	STP10-55	STP12-55		STP14-55	STP16-55
60.0							STP4-60	STP4.5-60	STP5-60	STP6-60	STP8-60	STP10-60	STP12-60	STP13-60	STP14-60	STP16-60
65.0									STP5-65	STP6-65	STP8-65	STP10-65	STP12-65		STP14-65	STP16-65
70.0									STP5-70	STP6-70	STP8-70	STP10-70	STP12-70	STP13-70	STP14-70	STP16-70
75.0									STP5-75	STP6-75	STP8-75	STP10-75	STP12-75		STP14-75	STP16-75
80.0									STP5-80	STP6-80	STP8-80	STP10-80	STP12-80	STP13-80	STP14-80	STP16-80
85.0										STP6-85	STP8-85	STP10-85	STP12-85		STP14-85	STP16-85
90.0										STP6-90	STP8-90	STP10-90	STP12-90	STP13-90	STP14-90	STP16-90
95.0										STP6-95	STP8-95	STP10-95	STP12-95		STP14-95	STP16-95
100.0										STP6-100	STP8-100	STP10-100	STP12-100	STP13-100	STP14-100	STP16-100
120.0															STP14-120	STP16-120
140.0															STP14-140	STP16-140

Length Tolerance:									
	Up to 10mm	+/-	0.25	} ISO 8752		Up to 10mm	+	0.5	} DIN 1481
	12 to 50mm	+/-	0.5			12 to 50mm	+	1	
	Over 50mm	+/-	0.75			Over 50mm	+	1.5	