

Spring Pins – DIN1481 / ISO8752 Heavy Duty (SPHD)



- * L= 4 ~ 10 mm, tolerance = +0.25 / -0.25 mm
- * L= 12 ~ 50 mm, tolerance = +0.5 / -0.5 mm
- * L= 55 ~ 200 mm, tolerance = +0.75 / -0.75 mm



**DIN1481/ISO8752
(Heavy Duty)**

Order Example

- SPHD1.004ZP/PC/TP
- SPHD4.550ZP/PC/TP
- SPHD50200ZP/PC/TP

* Please contact us for more details by sales@sino-bronze.com

Diameter Nominal	Before Insertion			Chamfer Length (C)		Wall Thickness (S)		Recommended Hole Size	Double Shear	Length (L)
	O.D. (D)		I.D. (B)	Min.	Max.	Min.	Max.	Min.	Carbon Steel only	
	Min.	Max.								
1.0	1.2	1.3	0.8	0.15	0.35	0.2	1	1.1	0.7	4 to 20 mm
1.5	1.7	1.8	1.1	0.25	0.45	0.3	1.5	1.6	1.58	
2.0	2.3	2.4	1.5	0.35	0.55	0.4	2	2.1	2.82	
2.5	2.8	2.9	1.8	0.4	0.6	0.5	2.5	2.6	4.38	4 to 30 mm
3.0	3.3	3.5	2.1	0.5	0.7	0.6	3	3.1	6.32	
3.5	3.8	4	2.3	0.6	0.8	0.75	3.5	3.65	9.06	
4.0	4.4	4.6	2.8	0.65	0.85	0.8	4	4.15	11.24	4 to 50 mm
4.5	4.9	5.1	2.9	0.8	1	1	4.5	4.65	15.36	5 to 50 mm
5.0	5.4	5.6	3.4	0.9	1.1	1	5	5.15	17.54	5 to 80 mm
6.0	6.4	6.7	4	1.2	1.4	1.2	6	6.15	26.04	10 to 100 mm
8.0	8.5	8.8	5.5	2	2.4	1.5	8	8.25	42.76	10 to 120 mm
10.0	10.5	10.8	6.5	2	2.4	2	10	10.25	70.16	10 to 160 mm
12.0	12.5	12.8	7.5	2	2.4	2.5	12	12.3	104.1	10 to 180 mm
13.0	13.5	13.8	8.5	2	2.4	2.5	13	13.3	115.1	
14.0	14.5	14.8	8.5	2	2.4	3	14	14.3	144.7	
16.0	16.5	16.8	10.5	2	2.4	3	16	16.3	171	10 to 200 mm
18.0	18.5	18.9	11.5	2	2.4	3.5	18	18.3	222.5	
20.0	20.5	20.9	12.5	3	3.4	4	20	20.3	280.6	
21.0	21.5	21.9	13.5	3	3.4	4	21	21.3	298.2	14 to 200 mm
25.0	25.5	25.9	15.5	3	3.4	5	25	25.3	438.5	
28.0	28.5	28.9	17.5	3	3.4	5.5	28	28.3	542.6	
30.0	30.5	30.9	18.5	3	3.4	6	30	30.3	631.4	20 to 200 mm
32.0	32.5	32.9	20.5	3	3.6	6	32	32.3	684	
35.0	35.5	35.9	21.5	3	3.6	7	35	35.3	859	
38.0	38.5	38.9	23.5	4	4.6	7.5	38	38.3	1003	
40.0	40.5	40.9	25.5	4	4.6	7.5	40	40.3	1068	
45.0	45.5	45.9	28.5	4	4.6	8.5	45	45.3	1360	
50.0	50.5	50.9	31.5	4	4.6	9.5	50	50.3	1685	

Notes: * Standard material: spring steel C67S (DIN EN 10132-4:2003); Stainless steel AISI420 / AISI302 / AISI304.
* All sizes are in Metric " mm ". * Special dimensions and tolerances are made to customer's request.
* Surface treatment is optional: "ZP" = Zinc plating; "PC" = Phosphate coating; "TP" = Tin plating.