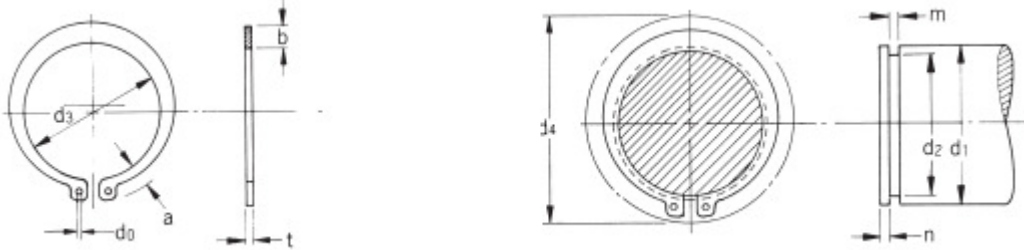




# EXTERNAL CIRCLIPS



DIMENSIONS IN MILLIMETERS - JAPANESE INDUSTRIAL STANDARD (JIS) B280

NOM. DIA.	CIRCLIP							CIRCLIP							PART NUMBER
	d3		t		b REF.	a REF.	d0 MIN	d4	d1	d2		m		n MIN	
	BASIC	TOL.	BASIC	TOL.						BASIC	TOL.	BASIC	TOL.		
10	9.3	±0.15	1.0	±0.05	1.6	3	1.2.	17	10	9.6	0 / -0.11	1.15	+0.14 / 0	1.5	S-10
11	10.2	±0.15	1.0	±0.05	1.8	3.1	1.2	18	11	10.5	0 / -0.11	1.15	+0.14 / 0	1.5	S-11
12	11.1	±0.18	1.0	±0.05	1.8	3.2	1.5..	19	12	11.5	0 / -0.11	1.15	+0.14 / 0	1.5	S-12
13	12.	±0.18	1.0	±0.05	1.8	3.3	1.5	20	13	12.4	0 / -0.11	1.15	+0.14 / 0	1.5	S-13
14	12.	±0.18	1.0	±0.05	2	3.4	1.7	22	14	13.4	0 / -0.11	1.15	+0.14 / 0	1.5	S-14
15	13.8	±0.18	1.0	±0.05	2.1	3.5	1.7	23	15	14.3	0 / -0.11	1.15	+0.14 / 0	1.5	S-15
16	14.7	±0.18	1.0	±0.05	2.2	3.6	1.7	24	16	15.2	0 / -0.11	1.15	+0.14 / 0	1.5	S-16
17	15.7	±0.18	1.0	±0.05	2.6	3.7	1.7	25	17	16.2	0 / -0.11	1.15	+0.14 / 0	1.5	S-17
18	16.5	±0.18	1.2	±0.06	2.7	3.8	1.7	26	18	17	0 / -0.11	1.35	+0.14 / 0	1.5	S-18
19	17.5	±0.18	1.2	±0.06	2.7	3.8	1.7	27	19	18	0 / -0.11	1.35	+0.14 / 0	1.5	S-19
20	18.5	±0.20	1.2	±0.06	2.7	3.9	1.7	28	20	19	0 / -0.21	1.35	+0.14 / 0	1.5	S-20
21	19.5	±0.20	1.2	±0.06	2.7	4	2.0	30	21	20	0 / -0.21	1.35	+0.14 / 0	1.5	S-21
22	20.5	±0.20	1.2	±0.06	2.7	4.1	2.0	31	22	21	0 / -0.21	1.35	+0.14 / 0	1.5	S-22
24	22.2	±0.20	1.2	±0.06	3.1	4.2	2.0	33	24	22.9	0 / -0.21	1.35	+0.14 / 0	1.5	S-24
25	23.2	±0.20	1.2	±0.06	3.1	4.3	2.0	34	25	23.9	0 / -0.21	1.35	+0.14 / 0	1.5	S-25
26	24.2	±0.20	1.2	±0.06	3.1	4.4	2.0	35	26	24.9	0 / -0.21	1.35	+0.14 / 0	1.5	S-26
28	25.9	±0.20	1.5	±0.06	3.1	4.6	2.0	38	28	26.6	0 / -0.21	1.65	+0.14 / 0	1.5	S-28
29	26.9	±0.20	1.5	±0.06	3.5	4.7	2.0	39	29	27.6	0 / -0.21	1.65	+0.14 / 0	1.5	S-29
30	27.9	±0.20	1.5	±0.06	3.5	4.8	2.0	40	30	28.6	0 / -0.21	1.65	+0.14 / 0	1.5	S-30
32	29.6	±0.20	1.5	±0.06	3.5	5	2.5	43	32	30.3	0 / -0.25	1.65	+0.14 / 0	1.5	S-32
34	31.5	±0.25	1.5	±0.06	4	5.3	2.5	45	34	32.3	0 / -0.25	1.65	+0.14 / 0	1.5	S-34
35	32.2	±0.25	1.5	±0.06	4	5.4	2.5	46	35	33	0 / -0.25	1.65	+0.14 / 0	1.5	S-35
36	33.2	±0.25	1.75	±0.07	4	5.4	2.5	47	36	34	0 / -0.25	1.9	+0.14 / 0	2	S-36
38	35.2	±0.25	1.75	±0.07	4.5	5.6	2.5	50	38	36	0 / -0.25	1.9	+0.14 / 0	2	S-38
*40	37.0	±0.4	1.75	±0.07	4.5	5.8	2.5	53	40	38	0 / -0.25	1.9	+0.14 / 0	2	S-40
*42	38.5	±0.4	1.75	±0.07	4.5	6.2	2.5	55	42	39.5	0 / -0.25	1.9	+0.14 / 0	2	S-42
*45	41.5	±0.4	1.75	±0.07	4.8	6.3	2.5	58	45	42.5	0 / -0.25	1.9	+0.14 / 0	2	S-45
*48	44.5	±0.4	1.75	±0.07	4.8	6.5	2.5	62	48	45.5	0 / -0.25	1.9	+0.14 / 0	2	S-48
50	45.8	±0.4	2.0	±0.07	5	6.7	2.5	64	50	47	0 / -0.25	2.2	+0.14 / 0	2	S-50
52	47.8	±0.4	2.0	±0.07	5	6.8	2.5	66	52	49	0 / -0.25	2.2	+0.14 / 0	2	S-52
55	50.8	±0.45	2.0	±0.07	5	7	2.5	70	55	52	0 / -0.3	2.2	+0.14 / 0	2	S-55

\* FORMER JAPANESE INDUSTRIAL STANDARD (JIS)