

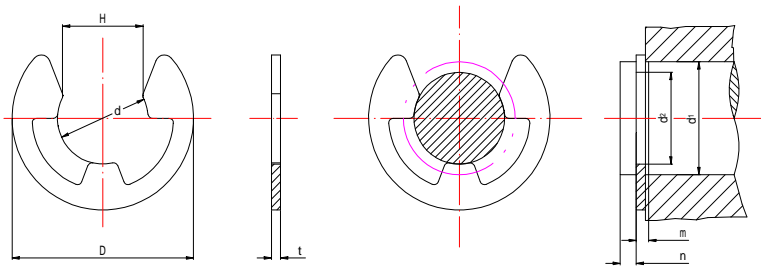


E-RINGS

(JIS B 2805)

(JAPANESE INDUSTRIAL STANDARD)

Groove Dimension



E-rings can be supplied in rail stacked or tape wrapped.
 Size No.ES-0.6 through ES-1: Rail Stackek
 Size No.ES-1.2 through ES-12: Tape wrapped

Unit: mm

Size-No.	Ring dimension								Applicable shaft							
	d		D		H		t		d1		d2		m		n	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Over	Under	Max.	Min.	Max.	Min.	Min.	
ETW-	0.6	0.64	0.56	1.6	1.4	0.47	0.43	0.22	0.18	0.8	1	0.7	0.65	0.35	0.3	0.4
	0.7	0.67	0.59	2.1	1.9	0.55	0.45	0.22	0.18	0.9	1.2	0.75	0.7	0.35	0.3	0.4
	0.8	0.8	0.72	2.1	1.9	0.7	0.45	0.22	0.18	1	1.4	0.87	0.82	0.35	0.3	0.4
	1	0.98	0.89	2.9	2.7	0.88	0.63	0.22	0.18	1.3	1.7	1.05	1	0.35	0.3	0.5
	1.2	1.2	1.11	3.1	2.9	1	0.75	0.325	0.275	1.4	2	1.29	1.23	0.45	0.4	0.6
	1.5	1.5	1.41	4.2	3.8	1.3	1.05	0.43	0.37	2	2.5	1.59	1.53	0.55	0.5	0.8
	1.9	1.9	1.81	4.7	4.3	1.7	1.45	0.43	0.37	2.5	3	1.99	1.93	0.55	0.5	1
	2	2	1.91	5.2	4.8	1.7	1.45	0.43	0.37	2.5	3.2	2.11	2.05	0.55	0.5	1
	2.3	2.3	2.21	6.2	5.8	2	1.75	0.43	0.37	3	4	2.41	2.35	0.55	0.5	1
	2.5	2.5	2.41	6.2	5.8	2.1	1.85	0.43	0.37	3.2	4	2.61	2.55	0.55	0.5	1
	3	3	2.91	7.2	6.8	2.6	2.35	0.64	0.56	4	5	3.11	3.05	0.8	0.7	1
	3.2	3.2	3.08	7.2	6.8	2.8	2.5	0.64	0.56	4	5	3.325	3.25	0.8	0.7	1.2
	4	4	3.88	9.2	8.8	3.5	3.2	0.64	0.56	5	7	4.125	4.05	0.8	0.7	1.2
	5	5	4.88	11.2	10.8	4.3	4.0	0.64	0.56	6	8	5.125	5.05	0.8	0.7	1.2
	6	6	5.88	12.2	11.8	5.2	4.9	0.84	0.76	7	9	6.125	6.05	1.0	0.9	1.2
	7	7	6.85	14.2	13.8	6.1	5.75	0.84	0.76	8	11	7.19	7.1	1.0	0.9	1.5
	8	8	7.85	16.2	15.8	6.9	6.55	0.84	0.76	9	12	8.19	8.1	1.0	0.9	1.8
	9	9	8.85	18.2	17.8	7.8	7.45	0.84	0.76	10	14	9.19	9.1	1.0	0.9	2
	10	10	9.85	20.3	19.7	8.7	8.35	1.05	0.95	11	15	10.24	10.15	1.29	1.15	2
	12	12	11.82	23.3	22.7	10.4	9.95	1.05	0.95	13	18	12.26	12.15	1.29	1.15	2.5
	15	15	14.82	29.3	28.7	13	12.55	1.56	1.44	16	24	15.26	15.15	1.79	1.65	3
	19	19	18.79	37.3	36.7	16.5	16.05	1.56	1.44	20	31	19.28	19.15	1.79	1.65	3.5
	24	24	23.79	44.3	43.7	20.8	20.3	2.07	1.93	25	38	24.28	24.15	2.34	2.2	4

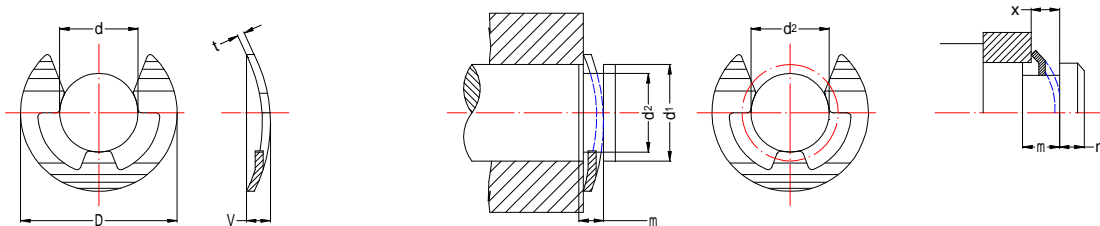
Material=Carbon spring steel. Hardness=HRC44~52. Finish=Black phosphate coating (ACP), Zn plating, Chromate dip.

Material=Stainless spring steel.

Note; mark is not according to JIS specification. d2 is according to our company's specification.

Bowed E-Rings

Groove Dimension



Unit: mm

Size-No.	Ring dimension						Groove dimension								
	d	D	T	V		d1		d2		m		X		n	
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
BETW-	1.5	1.5	4	0.4	0.95	0.7	2.5	2	1.59	1.53	0.9	0.8	0.65	0.55	0.8
	2	2	5	0.4	0.95	0.7	3.2	2.5	2.11	2.05	0.9	0.8	0.65	0.55	1
	2.5	2.5	6	0.4	0.95	0.7	4	3.2	2.61	2.55	0.9	0.8	0.65	0.55	1
	3	3	7	0.6	1.35	1.1	5	4	3.11	3.05	1.2	1.1	1	0.85	1
	4	4	9	0.6	1.35	1.1	7	5	4.125	4.05	1.2	1.1	1	0.85	1.2
	5	5	11	0.6	1.35	1.1	8	6	5.125	5.05	1.2	1.1	1	0.85	1.2
	6	6	12	0.8	1.7	1.3	9	7	6.125	6.05	1.4	1.3	1.2	1	1.2
	7	7	14	0.8	1.7	1.3	11	8	7.19	7.1	1.4	1.3	1.2	1	1.5
	8	8	16	0.8	1.7	1.3	12	9	8.19	8.1	1.4	1.3	1.2	1	1.8
	9	9	18	0.8	1.7	1.3	14	10	9.19	9.1	1.4	1.3	1.2	1	2
	10	10	20	1	2.1	1.7	15	11	10.24	10.15	1.8	1.7	1.6	1.3	2
	12	12	23	1	2.1	1.7	18	13	12.26	12.15	1.8	1.7	1.6	1.3	2.5
	15	15	29	1.5	2.9	2.3	24	16	15.26	15.15	2.4	2.3	2.2	1.8	3

Material=Carbon spring steel. Hardness=HRC40~50. Finish=Black phosphate coating (ACP), Zn plating, Chromate dip.

ALL RIGHTS RESERVED

DONGGUAN EAGLE SANKYOU SCREWS AND FASTENERS CO.,LTD.