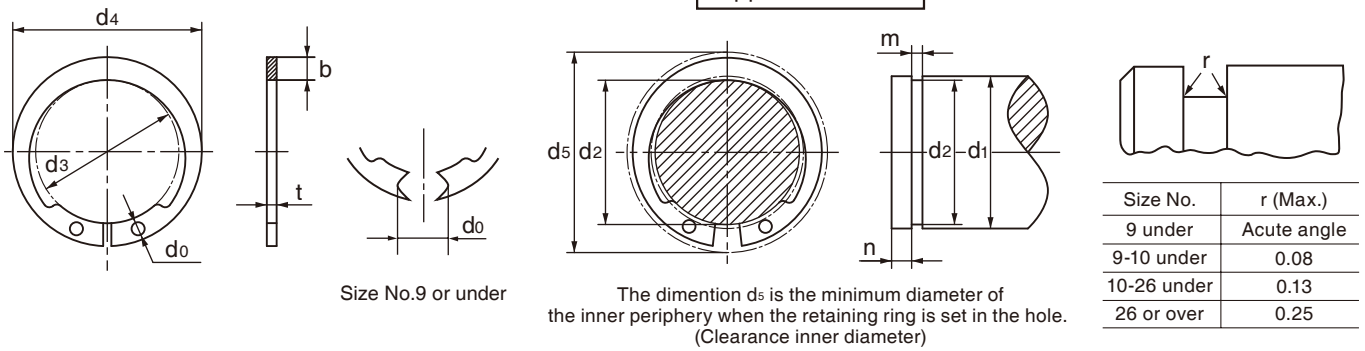


Inverted External Ring



Unit: mm

Size No.	Retaining rings								d_5	Groove dimension					
	d_3		d_4 (Ref.)	t		b	d_0	Tol.		d_1	d_2		m		n
	Basic	Tol.		Basic	Tol.						Basic	Tol.	Basic	Tol.	
ISTW- 6	5.6		8	0.5	±0.03	1.2	2.2	±0.2	8.9	6	5.7	⁰ _{-0.04}	0.6	+0.1 0	1.5
7	6.5	+0.1	9.3	0.6	±0.04	1.4	2.6		10	7	6.7	0	0.7		1.5
8	7.4	-0.2	10.6	0.7		1.6	3		12	8	7.6	⁰ _{-0.06}	0.8		1.5
9	8.4		12	0.8		1.8	3.4	13	9	8.6		0.95	1.5		
10	9.3	±0.15	13.3	1	±0.05	2	1.2	15	10	9.6	⁰ _{-0.09}	1.15	1.5		
11	10.2		14.4	1		2.1	1.2	16	11	10.5		1.15	1.5		
12	11.1		15.5	1		2.2	1.2	17	12	11.5		1.15	1.5		
13	12	±0.18	16.6	1	±0.06	2.3	1.2	18	13	12.4	0	1.15	1.5		
14	12.9		17.5	1		2.3	1.2	19	14	13.4		1.15	1.5		
15	13.8		18.6	1		2.4	1.2	21	15	14.3		⁰ _{-0.11}	1.15	1.5	
16	14.7	±0.2	19.7	1	±0.06	2.5	1.2	22	16	15.2	0	1.15	1.5		
17	15.7		20.9	1		2.6	1.2	23	17	16.2			1.15	1.5	
18	16.5		21.9	1.2		2.7	1.5	24	18	17			1.35	1.5	
19	17.5	±0.2	23.1	1.2	±0.06	2.8	1.5	25	19	18	0	1.35	1.5		
20	18.5		24.3	1.2		2.9	1.5	27	20	19			1.35	1.5	
21	19.5		25.5	1.2		3	1.5	28	21	20			1.35	1.5	
22	20.5	±0.25	26.5	1.2	±0.07	3	1.5	29	22	21	0	1.35	1.5		
24	22.2		28.6	1.2		3.2	1.5	32	24	22.9		⁰ _{-0.21}	1.35	1.7	
25	23.2		29.8	1.2		3.3	1.5	33	25	23.9			1.35	1.7	
26	24.2	±0.4	31	1.2	±0.07	3.4	1.5	34	26	24.9	0	1.35	1.7		
28	25.9		33.1	1.5		3.6	1.8	37	28	26.6			1.65	2.1	
30	27.9		35.3	1.5		3.7	1.8	39	30	28.6			1.65	2.1	
32	29.6	±0.25	37.4	1.5	±0.07	3.9	1.8	41	32	30.3	0	1.65	+0.14 0	2.6	
34	31.5		39.7	1.5		4.1	1.8	44	34	32.3			1.65	2.6	
35	32.2		40.6	1.5		4.2	1.8	45	35	33			1.65	3	
36	33.2	±0.4	41.6	1.75	±0.07	4.2	2	46	36	34	0	1.9	3		
38	35.2		44	1.75		4.4	2	48	38	36			1.9	3	
40	37		46.2	1.75		4.6	2	51	40	38		⁰ _{-0.25}	1.9	3	
42	38.5	±0.45	48.1	1.75	±0.07	4.8	2	54	42	39.5	0	1.9	3.8		
45	41.5		51.3	1.75		4.9	2	57	45	42.5			1.9	3.8	
48	44.5		55.1	1.75		5.3	2	61	48	45.5			1.9	3.8	
50	45.8	±0.45	56.8	2	±0.08	5.5	2.5	63	50	47	-0.3	2.2	4.5		
52	47.8		59	2		5.6	2.5	65	52	49			2.2	4.5	
55	50.8		62.6	2		5.9	2.5	69	55	52			2.2	4.5	
58	53.8	±0.45	66	2	±0.08	6.1	2.5	72	58	55	-0.3	2.2	4.5		
60	55.8		68.4	2		6.3	2.5	75	60	57			2.2	4.5	
62	57.8		70.8	2		6.5	2.5	77	62	59			2.2	4.5	
63	58.8	±0.45	72	2	±0.08	6.6	2.5	78	63	60	-0.3	2.2	4.5		
65	60.8		74.4	2.5		6.8	3	81	65	62			2.7	4.5	
68	63.5		77.5	2.5		7	3	84	68	65			2.7	4.5	
70	65.5	±0.45	79.9	2.5	±0.08	7.2	3	87	70	67	-0.3	2.7	4.5		
75	70.5		85.7	2.5		7.6	3	92	75	72			2.7	4.5	
80	74.5		90.5	2.5		8	3	98	80	76.5			2.7	5.3	

Material = Carbon spring steel Hardness = 40 through 50HRC, Finish = Phosphate coating (ACP)

Notes

- Size Nos. IRTW-56 or over are available on a production by order basis.
- Our products with little marketability may not be in stock. When employing our products, consult with us for their availability.