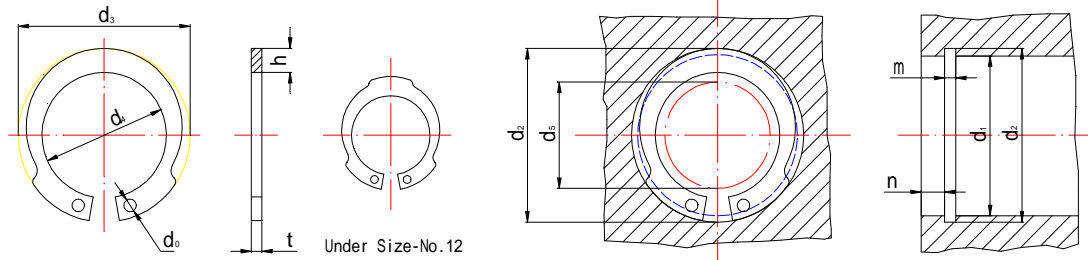




Inverted Retaining Rings (Internal)

Groove Dimension



The dimension d_5 is the minimum diameter of inner periphery when the retaining ring is set in the hole.

d_5 : CLEARANCE DIAMETER

Unit: mm

Size-No.	Ring dimension									Groove dimension					
	d_3		d_4	t		h	d_0	Gen. Tol.	d_5	d_1	d_2		m		n
	Max.	Min.		Max.	Min.						Max.	Min.	Max.	Min.	Min.
IRTW- 10	11.28	10.92	7.7	1.05	0.95	1.7	0.9	±0.3	5.9	10	10.51	10.4	1.29	1.15	1.5
11	12.38	12.02	8.6	1.05	0.95	1.8	0.9	±0.3	6.6	11	11.51	11.4	1.29	1.15	1.5
12	13.48	13.12	9.7	1.05	0.95	1.8	0.9	±0.3	7.6	12	12.61	12.5	1.29	1.15	1.5
13	14.28	13.92	10.9	1.05	0.95	1.6	0.9	±0.3	9	13	13.71	13.6	1.29	1.15	1.5
14	15.28	14.92	11.7	1.05	0.95	1.7	0.9	±0.3	9.8	14	14.71	14.6	1.29	1.15	1.5
15	16.38	16.02	12.6	1.05	0.95	1.8	0.9	±0.3	10.6	15	15.81	15.7	1.29	1.15	1.5
16	17.48	17.12	13.5	1.05	0.95	1.9	0.9	±0.3	11.4	16	16.91	16.8	1.29	1.15	1.5
17	18.5	18.1	14.3	1.05	0.95	2	0.9	±0.3	12.2	17	17.91	17.8	1.29	1.15	1.5
18	19.7	19.3	15.3	1.05	0.95	2.1	1	±0.3	13	18	19.21	19	1.29	1.15	1.5
19	20.7	20.3	16.1	1.05	0.95	2.2	1	±0.3	13.8	19	20.21	20	1.29	1.15	1.5
20	21.7	21.3	16.9	1.05	0.95	2.3	1	±0.3	14.5	20	21.21	21	1.29	1.15	1.5
21	22.7	22.3	17.7	1.05	0.95	2.4	1.2	±0.4	15	21	22.21	22	1.29	1.15	1.5
22	23.7	23.3	18.7	1.05	0.95	2.4	1.2	±0.4	16	22	23.21	23	1.29	1.15	1.5
24	26.1	25.7	20.7	1.26	1.14	2.6	1.2	±0.4	17.5	24	25.41	25.2	1.49	1.35	1.5
25	27.1	26.7	21.5	1.26	1.14	2.7	1.2	±0.4	18.5	25	26.41	26.2	1.49	1.35	1.5
26	28.1	27.7	22.3	1.26	1.14	2.8	1.2	±0.4	19	26	27.41	27.2	1.49	1.35	1.5
28	30.35	29.85	24.1	1.26	1.14	3	1.2	±0.4	20.5	28	29.61	29.4	1.49	1.35	1.5
30	32.35	31.85	25.7	1.26	1.14	3.2	1.4	±0.4	22.5	30	31.65	31.4	1.49	1.35	1.5
32	34.65	34.15	27.4	1.26	1.14	3.5	1.6	±0.4	23.5	32	33.95	33.7	1.49	1.35	1.5
34	36.75	36.25	29.1	1.56	1.44	3.7	1.6	±0.4	25	34	35.95	35.7	1.79	1.65	2
35	38.05	37.55	30	1.56	1.44	3.9	1.6	±0.4	26	35	37.25	37	1.79	1.65	2
36	39.05	38.55	30.8	1.56	1.44	4	1.6	±0.4	26.5	36	38.25	38	1.79	1.65	2
37	40.05	39.55	31.6	1.56	1.44	4.1	1.6	±0.4	27.5	37	39.25	39	1.79	1.65	2
38	41.05	40.55	32.4	1.56	1.44	4.2	1.6	±0.4	28	38	40.25	40	1.79	1.65	2
40	43.9	43.1	34.7	1.82	1.68	4.4	2	±0.4	30	40	42.75	42.5	2.04	1.9	2
42	45.9	45.1	36.3	1.82	1.68	4.6	2	±0.5	31	42	44.75	44.5	2.04	1.9	2
45	48.9	48.1	38.9	1.82	1.68	4.8	2	±0.5	33	45	47.75	47.5	2.04	1.9	2
47	50.95	50.05	40.7	1.82	1.68	4.9	2	±0.5	35	47	49.75	49.5	2.04	1.9	2
48	51.95	51.05	41.5	1.82	1.68	5	2	±0.5	36	48	50.8	50.5	2.04	1.9	2
50	54.65	53.75	44	2.07	1.93	5.1	2.2	±0.5	38	50	53.3	53	2.34	2.2	2
52	56.65	55.75	45.8	2.07	1.93	5.2	2.2	±0.5	40	52	55.3	55	2.34	2.2	2
55	59.65	58.75	48	2.07	1.93	5.6	2.2	±0.5	42	55	58.3	58	2.34	2.2	2
56	60.65	59.75	48.8	2.07	1.93	5.7	2.5	±0.5	43	56	59.3	59	2.34	2.2	2
58	62.65	61.75	50.4	2.07	1.93	5.9	2.5	±0.5	44	58	61.3	61	2.34	2.2	2
60	64.65	63.75	52	2.07	1.93	6.1	2.5	±0.5	46	60	63.3	63	2.34	2.2	2
62	66.65	65.75	53.6	2.07	1.93	6.3	2.8	±0.5	47	62	65.3	65	2.34	2.2	2
63	67.65	66.75	54.4	2.07	1.93	6.4	2.8	±0.5	48	63	66.3	66	2.34	2.2	2
65	69.65	68.75	55.8	2.58	2.42	6.7	3.2	±0.5	49	65	68.3	68	2.84	2.7	2.5
68	72.95	72.05	58.5	2.58	2.42	7	3.2	±0.5	52	68	71.3	71	2.84	2.7	2.5
70	74.95	74.05	60.1	2.58	2.42	7.2	3.2	±0.5	53	70	73.3	73	2.84	2.7	2.5
72	76.95	76.05	61.7	2.58	2.42	7.4	3.2	±0.7	55	72	75.3	75	2.84	2.7	2.5
75	79.95	79.05	63.9	2.58	2.42	7.8	3.2	±0.7	57	75	78.3	78	2.84	2.7	2.5
78	83.05	81.95	66.3	2.58	2.42	8.1	3.2	±0.7	59	78	81.35	81	2.84	2.7	2.5
80	86.05	84.95	68.9	2.58	2.42	8.3	3.2	±0.7	61	80	83.85	83.5	2.84	2.7	2.5
82	88.05	86.95	70.5	2.58	2.42	8.5	3.2	±0.7	62	82	85.85	85.5	2.84	2.7	2.5
85	91.05	89.95	72.7	3.09	2.91	8.9	4	±0.7	64	85	88.85	88.5	3.38	3.2	3
88	94.05	92.95	75.1	3.09	2.91	9.2	4	±0.7	67	88	91.85	91.5	3.38	3.2	3
90	96.05	94.95	76.7	3.09	2.91	9.4	4	±0.7	68	90	93.85	93.5	3.38	3.2	3
92	98.05	96.95	78.3	3.09	2.91	9.6	4	±0.7	70	92	95.85	95.5	3.38	3.2	3
95	101.05	99.95	80.5	3.09	2.91	10	4	±0.7	72	95	98.85	98.5	3.38	3.2	3
98	104.05	102.95	82.9	3.09	2.91	10.3	4	±0.7	75	98	101.85	101.5	3.38	3.2	3
100	106.05	104.95	84.5	3.09	2.91	10.5	4	±0.7	76	100	103.85	103.5	3.38	3.2	3

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

Note: Enquire these sizes of . mark before you formally order it.

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