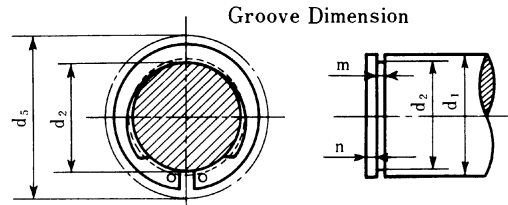
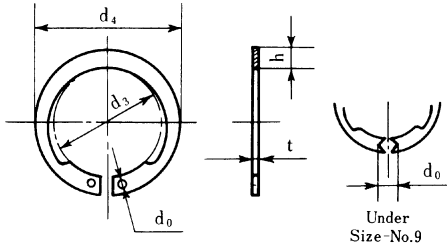


# Inverted Retaining Rings (External)



The dimension  $d_5$  is the maximum diameter of outer periphery when the retaining ring is set on the shaft.  
 $d_5$ : CLEARANCE DIAMETER

Unit : mm

Size-No.	Ring dimension								Groove dimension							
	$d_3$		$d_4$	$t$		$h$	$d_0$	Gen. Tol.	$d_5$	$d_1$	$d_2$		Basic	m	n	
	Basic	Tol.		Basic	Tol.						Basic	Tol.				Basic
ISTW-6	5.6	+0.1	8	0.5	±0.03	1.2	※2.2	±0.2	8.9	6	5.7	-0.04	0.6	+0.1	1.5	
7	6.5	-0.2	9.3	0.6	±0.04	1.4	※2.6	±0.2	10.3	7	6.7	0	0.7	0		
8	7.4		10.6	0.7		1.6	※3		11.7	8	7.6	-0.06	0.8			
9	8.4		12	0.8		1.8	※3.4		13.1	9	8.6		0.95	+0.14		
10	9.3	±0.15	13.3	1	±0.05	2	1.2	±0.3	14.5	10	9.6	-0.09	1.15	0		
11	10.2		14.4			2.1			16	11	10.5	0				
12	11.1	±0.18	15.5			2.2			17.2	12	11.5	-0.11				
13	12		16.6			2.3			18.4	13	12.4					
14	12.9		17.5			2.3			19.4	14	13.4					
15	13.8		18.6			2.4			20.6	15	14.3					
16	14.7		19.7			2.5			21.8	16	15.2					
17	15.7		20.9			2.6			23	17	16.2					
18	16.5		21.9	1.2	±0.06	2.7	1.5		24.2	18	17		1.35			
19	17.5		23.1			2.8			25.4	19	18					
20	18.5	±0.2	24.3			2.9			27	20	19	0				
21	19.5		25.5			3		±0.4	28	21	20	-0.21				
22	20.5		26.5			3			29	22	21					
24	22.2		28.6			3.2			31.5	24	22.9					
25	23.2		29.8			3.3			33	25	23.9					
26	24.2		31			3.4			34	26	24.9					
28	25.9		33.1	1.5		3.6	1.8		36.5	28	26.6		1.65			
• 29	26.9		34.1			3.6			37.5	29	27.6					
30	27.9		35.3			3.7			38.5	30	28.6					
32	29.6		37.4			3.9			41	32	30.3	0				
34	31.5	±0.25	39.7			4.1			43.5	34	32.3	-0.25				
35	32.2		40.6			4.2			45	35	33					
36	33.2		41.6	1.75	±0.07	4.2	2		46	36	34		1.9			
38	35.2		44			4.4			48	38	36					
40	37	±0.4	46.2			4.6			51	40	38					
42	38.5		48.1			4.8		±0.5	54	42	39.5					
45	41.5		51.3			4.9			57	45	42.5					
48	44.5		55.1			5.3			61	48	45.5					
50	45.8		56.8	2		5.5	2.5		63	50	47		2.2			
52	47.8		59			5.6			65	52	49					
55	50.8	±0.45	62.6			5.9			69	55	52	0				
• 56	51.8		63.8			6			70	56	53	-0.3				
58	53.8		66			6.1			72	58	55					
60	55.8		68.4			6.3			75	60	57					
62	57.8		70.8			6.5			77	62	59					
63	58.8		72			6.6			78	63	60					
65	60.8		74.4	2.5	±0.08	6.8	3		81	65	62		2.7			
• 68	63.5		77.5			7			84	68	65					
70	65.5		79.9			7.2			87	70	67					
• 72	67.5		82.1			7.3		±0.7	89	72	69					
75	70.5		85.7			7.6			92	75	72					
• 78	73.5		89.3			7.9			96	78	75					
• 80	74.5		90.5			8			98	80	76.5					
• 82	76.5		92.9			8.2			101	82	78.5					
• 85	79.5		96.5	3	±0.09	8.5	3.5		104	85	81.5	0	3.2	+0.18		
• 88	82.5	±0.55	99.9			8.7			108	88	84.5	-0.35	0	0		
• 90	84.5		102.3			8.9			110	90	86.5					
• 95	89.5		108.1			9.3			116	95	91.5					
• 100	94.5		113.9			9.7			122	100	96.5					

●Material=Carbon spring steel. Hardness=HRC44~52. Finish=Phosphate coating, Zinc plate plus Chromate.

Note; Enquire these sizes of '•' mark before you formally order it.

※mark shows approximate dimension.