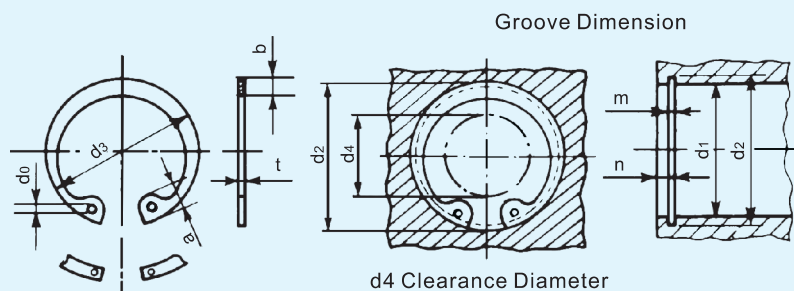




Retaining Rings (internal)

(JIS B 2804)



Above Size No.170

Unit:mm

Size-No.	Ring dimension							Ref. d4	Groove dimension								
	d3		t		b	a	d0		d1	d2		m		Ref.n			
	Basic	Tol.	Basic	Tol.	Approx.	Approx.	Min			Basic	Tol.	Basic	Tol.	Min			
RTW-*5	5.6	±0.18	0.30	±0.04	0.75	1.2	0.75	2.0	5	5.20	+0.04 0	0.50	+0.10 0	0.5			
*6	6.7		0.40		0.70	1.6	0.80	2.5	6	6.25	+0.06 0			0.70	0.6		
*7	7.7				0.80	1.7		3.0	7	7.30							
*8	8.8				0.90	1.7		3.5	8	8.40							
*9	9.8		0.60		1.10	2.2	1.20	4.0	9	9.40	+0.11 0	1.15	1.5				
*10	10.7		1.00		1.50	2.8		3.0	10	10.40				1.50	6.0	13	13.60
*11	11.8				1.50	3.0		4.0	11	11.40							
*12	13.0				1.70	3.1	5.0	12	12.50								
*13	14.1				1.70	3.1	1.70	6.0	13	13.60	+0.21 0	1.35	+0.14 0	2.0			
*14	15.1				1.90	3.6		7.0	14	14.60							
*15	16.2				1.90	3.6		8.0	15	15.70							
*16	17.3	±0.20		1.90	3.7	2.00	8.0	16	16.80	+0.25 0	1.65						
*17	18.3			1.90	3.8		9.0	17	17.80								
*18	19.5			2.40	4.0		10.0	18	19.00								
19	20.5			2.50	4.0	2.50	11.0	19	20.00	+0.30 0	1.90						
20	21.5			2.50	4.0		12.0	20	21.00								
21	22.5		2.50	4.1	12.0		21	22.00									
22	23.5		2.50	4.1	2.50	13.0	22	23.00	+0.30 0								
*23	24.5		1.20	2.50		4.1	14.0	23				24.10	+0.30 0				
24	25.9			2.50		4.3	15.0	24				25.20					
25	26.9			3.00	4.4	16.0	25	26.20									
26	27.9			3.00	4.6	16.0	26	27.20	1.35	+0.14 0							
*27	29.0	3.00		4.6	17.0	27	28.30										
28	30.1	3.00		4.6	18.0	28	29.40										
*29	31.4	3.00		4.6	19.0	29	30.40	±0.25 0	1.65								
30	32.1	±0.05		3.00	4.7	20.0	30				31.40	+0.25 0					
*31	32.9			3.25	5.0	20.5	31				32.55						
32	34.4			3.50	5.2	21.0	32	33.70									
*33	35.5			±0.25	3.80	4.2	2.00	22.0	33	34.70	+0.25 0	1.65					
34	36.5		1.50		3.50	5.2	2.50	23.0	34	35.70				+0.25 0			
35	37.8				3.50	5.2		24.0	35	37.00							
36	38.8				3.50	5.2		25.0	36	38.00							
37	39.8				3.50	5.2		26.0	37	39.00							
38	40.8				4.00	5.3		27.0	38	40.00							
*39	42.0		±0.40		4.00	5.4	2.50	27.0	39	41.20	+0.25 0						
40	43.5				4.00	5.7		28.0	40	42.50							
*41	44.5	4.00			5.7	29.0		41	43.50								
42	45.5	4.00			5.8	30.0		42	44.50								
*43	46.5	4.30			6.0	31.0		43	45.50								
*44	47.5	1.75		4.20	5.8	32.0	44	46.50	+0.30 0	1.90							
45	48.5			4.50	5.9	33.0	45	47.50									
*46	49.7			5.00	5.7	33.0	46	48.50									
47	50.5			4.50	6.1	34.0	47	49.50	+0.30 0	2.20							
48	51.5			4.50	6.2	35.0	48	50.50									
*49	52.8	4.50		6.4	36.0	49	51.7										
50	54.2	±0.45	4.50	6.5	37.0	50	53.0	+0.30 0									
52	56.2		2.00	5.10	6.5	39.0	52				55.0						

Unit:mm

Size-No.	Ring dimension							Ref. d4	Groove dimension					
	d3		t		b	a	d0		d1	d2		m		Ref.n
	Basic	Tol.	Basic	Tol.	Approx.	Approx.	Min			Basic	Tol.	Basic	Tol.	Min
RTW-*54	58.2	±0.45	2.0	±0.06	1.5	6.5	2.5	40	54	57.0	+0.30 0	2.2	+0.14 0	2.0
55	59.2				5.1	6.5		41	55	58.0				
56	60.2				5.1	6.6		42	56	59.0				
58	62.2				5.1	6.8		44	58	61.0				
60	64.2				5.5	6.8		46	60	63.0				
62	66.2				5.5	6.9		48	62	65.0				
63	67.2				5.5	6.9		49	63	66.0				
65	69.2				5.5	7.0		50	65	68.0				
68	72.5				6.0	7.4		53	68	71.0				
70	74.5				6.0	7.4		55	70	73.0				
72	76.5	6.6	7.4	57	72	75.0	2.7	2.5						
75	79.5	6.6	7.8	60	75	78.0								
78	82.5	6.6	8.0	62	78	81.0			+0.35 0	3.2	3.0			
80	85.5	7.0	8.0	64	80	83.5								
82	87.5	7.0	8.0	66	82	85.5								
85	90.5	7.0	8.0	69	85	88.5								
88	93.5	7.6	8.2	71	88	91.5								
90	95.5	7.6	8.3	73	90	93.5								
92	97.5	8.0	8.3	74	92	95.5								
95	100.5	8.0	8.5	77	95	98.5								
98	103.5	8.3	8.7	80	98	101.5	+0.54 0	4.0						
100	105.5	8.3	8.8	82	100	103.5								
102	108.0	8.9	9.0	83	102	106.0								
105	112.0	8.9	9.1	86	105	109.0								
108	115.0	8.9	9.5	87	108	112.0								
110	117.0	8.9	10.2	89	110	114.0								
112	119.0	8.9	10.2	90	112	116.0								
115	122.0	9.5	10.2	94	115	119.0								
120	127.0	9.5	10.7	98	120	124.0			+0.63 0	4.2	6.0			
125	132.0	10.0	10.7	103	125	129.0								
130	137.0	10.0	10.7	108	130	134.0								
135	142.0	10.8	11.0	113	135	139.0								
140	147.0	10.8	11.0	118	140	144.0								
145	152.0	10.8	11.0	123	145	149.0								
150	158.0	11.5	11.8	126	150	155.0								
155	164.0	11.5	11.8	130	155	160.0								
160	169.0	12.0	12.5	134	160	165.0								
165	174.5	12.0	12.7	139	165	170.0	+0.72 0	5.2				7.5		
170	179.5	12.0	—	145	170	175.0								
175	184.5	12.5	—	149	175	180.0								
180	189.5	13.0	—	153	180	185.0								
185	194.5	13.5	—	157	185	190.0								
190	199.5	13.5	—	162	190	195.0								
195	204.5	13.5	—	167	195	200.0								
200	209.5	14.0	—	171	200	205.0								
210	222.0	14.0	—	181	210	216.0								
220	232.0	14.0	—	191	220	226.0			+0.81 0	5.2	9.0			
230	242.0	14.0	—	201	230	236.0								
240	252.0	14.0	—	211	240	246.0								
250	262.0	14.0	—	221	250	256.0								
260	275.0	16.0	—	227	260	268.0								
270	285.0	16.0	—	237	270	278.0								
280	295.0	16.0	—	247	280	288.0								
290	305.0	16.0	—	257	290	298.0								
300	315.0	16.0	—	267	300	308.0								

Material = Carbon spring steel / Stainless spring steel (SUS#420)
 Hardness = HRC 44~52
 Finish = Black oxide / phosphate (ACP)

材質 = 碳鋼 / 不銹鋼 (SUS#420)
 硬度 = HRC44~52
 表面處理 = 染黑 / 磷酸鹽