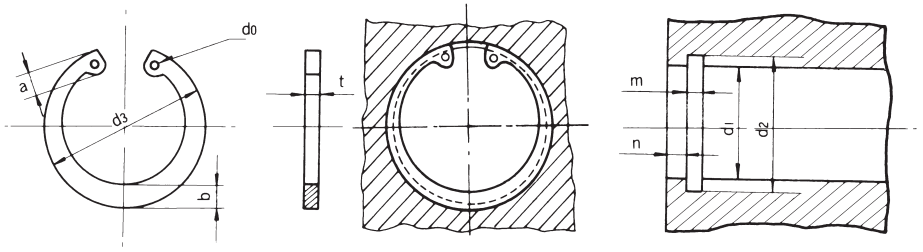
C-Type Retaining Rings For Holes （Nominals ϕ10 ～ ϕ63）

JIS B 2804 (Ref.)

TAIYO Stainless Spring Co.,Ltd.



Unit : mm

Dimensions Code	Nominals d_1	Dimensions of Retaining Rings							Thrust Loading Allowance (Ref.) kN	Groove Dimensions (Ref.)				
		d_3		t		b	a	d_0		d_2		m		n
		Basic	Tolerance	Basic	Tolerance	Approx.	Approx.	Min.		Basic	Tolerance	Basic	Tolerance	Min.
17010	10	10.7	±0.18	1	±0.05	1.8	3.1	1.2	4.71	10.4	+0.11 0	1.15	+0.14 0	1.5
17011	11	11.8					3.2		5.22	11.4				
17012	12	13					3.3	1.5	5.69	12.5				
17013	13	14.1					3.5		6.16	13.6				
17014	14	15.1				2	3.6	1.7	6.67	14.6				
17015	15	16.2					3.6		7.18	15.7				
17016	16	17.3					3.7		7.65	16.8				
17017	17	18.3	±0.2				3.8		8.08	17.8				
17018	18	19.5				2.5	4.0		8.55	19	+0.21 0			
17019	19	20.5					4.0	2	9.10	20				1.5
17020	20	21.5					4.0		9.57	21				
17021	21	22.5					4.1		10.20	22				
17022	22	23.5					4.1		12.71	23				
17024	24	25.9		1.2	±0.06		4.3		13.81	25.2		1.35		
17025	25	26.9				3	4.4		14.59	26.2				
17026	26	27.9					4.6		15.38	27.2				
17028	28	30.1	±0.25				4.6		16.24	29.4				
17030	30	32.1					4.7		17.26	31.4	+0.25 0			
17032	32	34.4				3.5	5.2		19.30	33.7				
17034	34	36.5		1.5			5.2		24.32	35.7		1.65		2
17035	35	37.8					5.2		25.11	37				
17036	36	38.8					5.2		25.89	38				
17037	37	39.8					5.2		26.83	39				
17038	38	40.8				4	5.3		27.46	40				
17040	40	43.5	±0.4	1.75	±0.07		5.7		32.01	42.5		1.90		
17042	42	45.5					5.8		35.70	44.5				
17045	45	48.5				4.5	5.9		37.78	47.5				
17047	47	50.5	±0.45				6.1	2.5	39.62	49.5				
17048	48	51.5					6.2		40.80	50.5	+0.3 0			
17050	50	54.2		2			6.5		48.05	53		2.2		
17052	52	56.2				5.1	6.5		50.21	55				
17055	55	59.2					6.5		53.35	58				
17056	56	60.2					6.6		54.52	59				
17058	58	62.2					6.8		56.09	61				
17060	60	64.2				5.5	6.8		57.66	63				
17062	62	66.2					6.9		60.41	65				
17063	63	67.2					6.9		61.98	66				

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Unit : mm

Dimensions Code	Nominals d_1	Dimensions of Retaining Rings							Thrust Loading Allowance (Ref.) kN	Groove Dimensions (Ref.)				
		d_3		t		b	a	d_0		d_2		m		n
		Basic	Tolerance	Basic	Tolerance	Approx.	Approx.	Min.		Basic	Tolerance	Basic	Tolerance	Min.
17065	65	69.2	±0.45	2.5	±0.08	5.5	7	2.5	79.24	68	+0.3 0	2.7	+0.14 0	2.5
17068	68	72.5				6	7.4		81.59	71				
17070	70	74.5					7.4		84.34	73				
17072	72	76.5				6.6	7.4		86.30	75				
17075	75	79.5					7.8		91.01	78				
17078	78	82.5	±0.55				8		94.14	81	+0.35 0			
17080	80	85.5				7	8		96.50	83.5				
17082	82	87.5					8	3	98.85	85.5				
17085	85	90.5		3	±0.09		8		122.39	88.5		3.2	+0.18 0	3
17088	88	93.5				7.6	8.2		127.09	91.5				
17090	90	95.5					8.3		130.23	93.5				
17092	92	97.5				8	8.3		131.80	95.5				
17095	95	100.5					8.5		138.86	98.5				
17098	98	103.5				8.3	8.7		141.22	101.5				
17100	100	105.5					8.8		142.00	103.5				
17102	102	108		4	±0.10	8.9	9		196.13	106	+0.54 0	4.2		4
17105	105	112					9.1		200.84	109				
17108	108	115					9.5		210.25	112				
17110	110	117					10.2		211.82	114				
17112	112	119					10.2		214.96	116				
17115	115	122	±0.65			9.5	10.2		221.24	119				
17120	120	127					10.7		231.44	124	+0.63 0			
17125	125	132				10	10.7	3.5	240.07	129				
17130	130	137	+1.26 −0.63				10.7		252.62	134			+0.2 0	6
17135	135	142				10.8	11		258.90	139				
17140	140	147					11		271.45	144				
17145	145	152					11		279.29	149				
17150	150	158				11.5	11.8		290.28	155				7.5
17155	155	164					11.8		299.69	160				
17160	160	169				12	12.5		307.54	165				
17165	165	174.5					12.7		320.09	170				
17170	170	179.5						4.0	333.43	175				
17175	175	184.5	+1.44 −0.72			12.5			337.35	180				
17180	180	189.5				13			345.19	185	+0.72 0			
17185	185	194.5				13.5			356.96	190				
17190	190	199.5							368.73	195				
17195	195	204.5							373.44	200				
17200	200	209.5				14			376.58	205				

Remarks 1. Thrust load will change according to material and Hardness of shafts.
2. Thrust load are calculated by safe factor 4.

Notes 1. Equate quality of stainless material with SUS-304CSP when thickness was not specified within JIS (JIS G 4313 Stainless Spring Steels).

Product code	117	Material code	02…SUS304-CSP
Surface code	01…Burnished	Hardness	HRC 37 ～ 46

Part Number Structure (Standardized Product Code)

Product ① ① ⑦ Surface ⓪ ② ⓪ ① — ○ ○ ○ ○ ○

Material ⓪ ② Dimensions code ○ ○ ○ ○ ○