



Unit: mm

Dimensions Codes	Nominals	Applicable Shafts d ₁	Dimensions of Retaining Rings						Groove Dimensions (Ref.)								
			Internal Diameter d		External Diameter D	H	Thickness t		b Approx.	Groove Diameter D		Groove Width m	n Min.				
※ 11008	0.8	1~1.4	0.8	⁰ / _{-0.08}	2	±0.1	0.7	0	0.2	±0.02	0.3	0.8	^{+0.05} / ₀	0.3	+0.05	0.4	
※ 11012	1.2	1.4~2	1.2	0	3		1		0.3	±0.025	0.4		1.2	0.4			
※ 11015	1.5	2~2.5	1.5		0	4	1.3	-0.25	0.4	±0.03	0.6	1.5	0.5	+0.06	0	0.5	1
※ 11020	2	2.5~3.2	2	5		1.7	0.4		0.8		2.5	0.5	1				
※ 11025	2.5	3.2~4	2.5	0	6	2.1	0	0.4	±0.04	0.9	3	0.7	+0.075	0	0.7	+0.1	1
※ 11030	3	4~5	3		7	2.6		0.6		1.1	4	0.7		1.2			
※ 11040	4	5~7	4	0	9	3.5	-0.3	0.6	±0.04	1.2	5	0.7	+0.09	0	0.9	+0.14	1.2
※ 11050	5	6~8	5		11	4.3		0.6		1.4	6	0.9		1.5			
※ 11060	6	7~9	6	0	12	5.2	-0.35	0.8	±0.05	1.6	7	0.9	+0.11	0	0.9	+0.14	1.2
※ 11070	7	8~11	7		14	6.1		0.8		1.8	8	0.9		1.8			
※ 11080	8	9~12	8	0	16	6.9	-0.35	0.8	±0.06	2.0	9	0.9	+0.13	0	0.9	+0.14	1.8
※ 11090	9	10~14	9		18	7.8		0.8		2.2	10	1.15		2			
※ 11100	10	11~15	10	0	20	8.7	-0.45	1	±0.07	2.4	12	1.15	+0.14	0	1.15	+0.14	2
11120	12	13~18	12		23	10.4		1		2.4	12	1.15		2.5			
11150	15	16~24	15	29	13	1.5	2.8	15	1.65	3							
11190	19	20~31	19	0	37	16.5	-0.5	1.5	±0.07	4.0	19	1.65	+0.13	0	1.65	+0.14	3.5
11240	24	25~38	24		44	20.8		2		5.0	24	2.2		4			

Notes: Items marked with ※ are also available as stacked package versions (change product code to 145 and first two digits of dimensions code to 45).

Product code	111	Material code	O2...SUS304-CSP		Part Number Structure (Standardized Product Code)				
			O4...SUS316						
Surface code	O1...Burnished	Hardness	HRC37 - 46 (SUS304-CSP)		Product		Surface		
			HRC35 - 46 (SUS316)		①①①		①①①①①①①①		
					Material		Dimensions code		