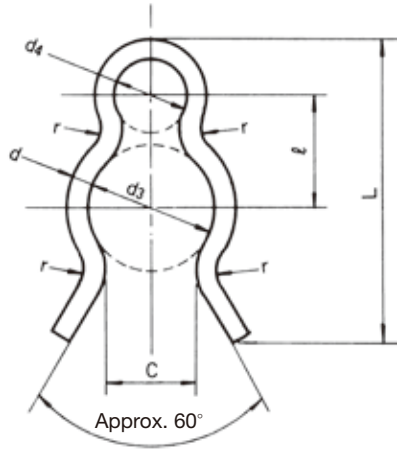
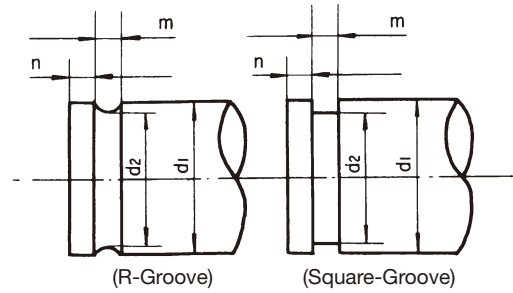


Snap Retainers



Free State

$$r \approx 2d$$



Applicable Shafts

Unit: mm

Dimensions Codes	Nominals	Snap Retainers Dimensions								Applicable Shafts (Ref.)				
		d ₃		d		d ₄	ℓ	C	L	d ₁	d ₂	m	n	
		Basic Dimension	Tolerance	Basic Dimension	Tolerance	Approx.	Approx.	Max.	Approx.				Min.	
30030	3	1.8	±0.2	0.6	±0.01	2.2	3	1	8.6	3	2.5	0.8	1.5	
30040	4	2.7	0 -0.4	0.6	±0.02	1.4	2.9	1.9	7.8	4	3.2	0.8		
30050	5	3.6		0.7		1.8	3.8	2.5	10.1	5	4.1	0.9		
30060	6	4.4	0 -0.5	0.8		2.2	4.5	3.1	12.0	6	4.9	1.0		
30070	7	5.4		0.9	2.7	5.3	3.8	14.1	7	5.9	1.1			
30080	8	6.3		0.9	3.2	6.1	4.4	16.3	8	6.8				
30090	9	7.3	0 -0.7	1	±0.03	3.7	6.8	5.1	18.2	9	7.8	1.2		
30100	10	7.7				1.2	3.9	7.3	5.4	19.5	10			8.7
30120	12	9.4		1.4		4.7	8.9	6.6	23.7	12	10.4	1.4		
30140	14	11.1	0 -1	1.8	±0.04	5.6	10.4	7.8	27.8	14	12.1	1.6		
30160	16	12.6		2.3		6.3	12.2	8.8	32.5	16	13.6	2.1		2.0
30180	18	13.4		2.6		6.7	13.5	9.4	36.0	18	14.9	2.6		2.5
30200	20	15	0 -1.5	2.9	±0.04	7.5	15.2	10.5	40.5	20	16.5	2.9		3.0
30220	22	16.6		3		8.3	16.8	11.6	44.8	22	18.1	3.2		
30250	25	18.7		3		3	9.4	18.8	13.1	50.2	25	20.7		3.7
30280	28	21.7	10.9		21.1		15.2	56.3	28	23.7				

- Remarks: 1. The tolerance of "m" shall be in accordance with the middle class of JIS B 0405 standard (general tolerances).
2. The tolerance of "d" represents the tolerance of wire diameter before forming.

Product code	130	Material code	48...SUS304-WPB (φ12 or below)		Part Number Structure (Standardized Product Code)									
			58...SWB (φ14 or above)		Product	Surface								
Surface code	01...Burnished (SUS304-WPB)	Hardness			①	③	①	○	○	○	○	○	○	○
	03...Temper Color (SWB)				Material				Dimensions code					