

CIRCLIP STANDARDS

Category	Application		Name of Standard	Width (Tolerance)									
				For Shaft					For Hole				
C type circlip 	For Shaft	For Hole		0.5	+0.14 0	0.305	+0.051	1.15	+0.14 0	9	+0.14 0	0.457	+0.051
				0.7		0.457	0	1.35		1.1		0.457	0
				0.8		0.737	+0.076 0	1.75		1.3		0.737	+0.076
				0.9		0.991		1.95		1.6		0.991	0
				1.1		1.168	+0.102 0	2.2		1.85		1.168	+0.102
C type retaining ring 	For Shaft	For Hole	ANSI B27.7/27.8 (US) BS 3673 (UK) DIN 471/472 (De) NF E 22 163 (Fr) UNI 7435/7438 (It) JIS B 2804 (JP)	1.3		1.422		2.7	+0.18 0	2.15	+0.18 0	1.422	0
				1.6		1.727	0	3.2		2.65		1.727	0
				1.85		2.184	+0.127 0	4.2		3.15		2.184	+0.102
				2.15		2.616				4.15		2.616	0
				2.65		3.048	0			5.15		3.048	0
E type circlip 	For Shaft		N1*** American	3.15	+0.18 0	3.531	+0.152			6.2	+0.22 0		
				4.15			0						
				5.15	+0.22 0								
				6.2									
				0.32	+0.05	0.305	+0.051	0.3	+0.05 0				
				0.5	0	0.457	0	0.4					
				0.7	+0.10	0.584	+0.076 0	0.5	+0.10 0				
				1.0	0	0.737		0.7					
				1.2	+0.14	0.991	+0.102 0	0.9	+0.14 0				
				1.4	0	1.168		1.15					
						1.422		1.75					
						1.727		2.2					

O-RING STANDARDS

Category	Name of Standard	Width (Tolerance)											
		General				For oil pressure				For air pressure			
Static Use	DIN 3770/3771 (De)	2.54 3.18 4.32 6.1 8.0 +0.130				1.9 2.3 2.9 3.6 4.5 +0.10 +0.150 +0.20 2.3 3.1 3.7 6.4 9.0 +0.20							
		JIS B 2401 (JP) ISO 3601	3.2 4.0 7.5 11.0 +0.20 2.5 3.2 4.7 7.5 11.1 +0.140				5.5 7.0 8.6 10.7 +0.30 +0.40 +0.50 2.4 3.6 4.8 7.1 9.5 +0.250						
			SMS 1586/1588 (Se) BS 1806/4518 (UK)										
				SAE AS-568 (US)	2.39 3.58 4.78 7.14 9.58 +0.250								2.3 3.1 3.7 6.4 9.0 +0.20 2.2 3.4 4.6 6.9 9.3 +0.250

 G-class insert with MF breaker is available for single-step machining.

 Conventional GY series insert is available for single-step machining.

 Machined in multiple steps or by cross feed machining.