



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

E-TYPE CIRCLIPS



MATERIAL- STAINLESS STEEL

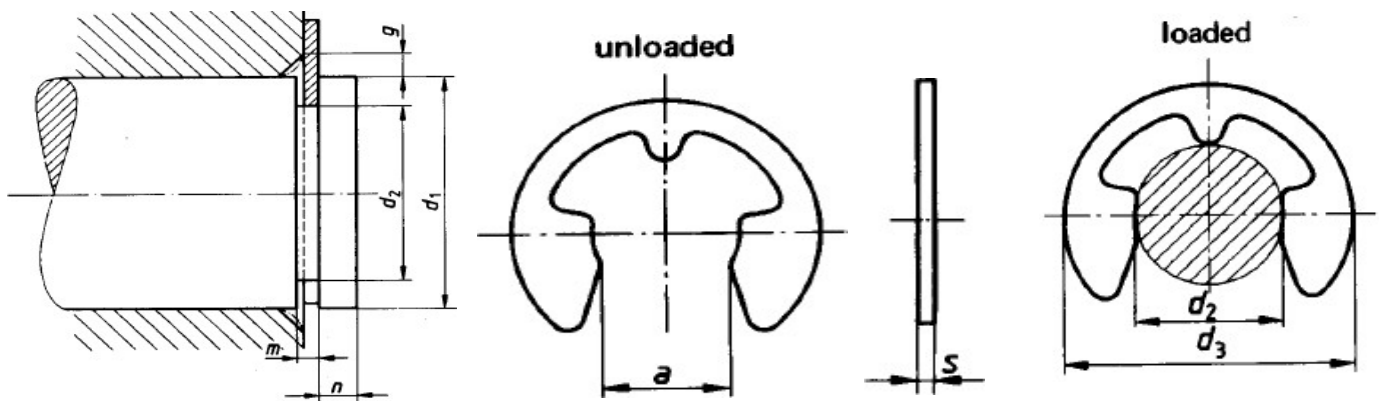
GRADE-SS304 (A2)

AS PER- DIN-6799

CATALOGUE NO. R4G59E

INSTALLATION GUIDE

- VERIFY THE E TYPE CIRCLIP SIZE MATCHES THE SHAFT DIAMETER AND GROOVE SPECIFICATION.
- INSPECT THE CIRCLIP FOR CRACKS, DEFORMATION, CORROSION, OR LOSS OF SPRING TENSION BEFORE INSTALLATION.
- ENSURE THE SHAFT GROOVE IS CLEAN, UNDAMAGED, AND FREE FROM BURRS OR CONTAMINATION.
- CONFIRM THAT THE GROOVE DIMENSIONS MEET THE REQUIRED SPECIFICATIONS FOR THE CIRCLIP.
- POSITION THE E TYPE CIRCLIP WITH ITS OPENING ALIGNED TOWARD THE SHAFT GROOVE.
- PLACE THE CENTER LEG OF THE CIRCLIP AGAINST THE SHAFT AT THE GROOVE LOCATION.
- USE E CLIP PLIERS OR A SUITABLE INSTALLATION TOOL TO PRESS THE CIRCLIP ONTO THE SHAFT.
- APPLY EVEN PRESSURE UNTIL THE CIRCLIP SNAPS SECURELY INTO THE GROOVE.
- ENSURE THE CIRCLIP IS FULLY SEATED AND EVENLY ENGAGED AROUND THE GROOVE.
- AVOID EXCESSIVE FORCE DURING INSTALLATION TO PREVENT DEFORMATION OF THE CIRCLIP.
- CHECK THAT THE CIRCLIP CANNOT BE EASILY DISLODGED FROM THE GROOVE.
- VERIFY THAT THE RETAINED COMPONENT IS POSITIONED CORRECTLY AGAINST THE CIRCLIP.
- ROTATE THE RETAINED COMPONENT IF REQUIRED TO ENSURE FREE MOVEMENT WITHOUT INTERFERENCE.
- INSPECT THE FINAL ASSEMBLY FOR PROPER RETENTION, ALIGNMENT, AND SECURE INSTALLATION.
- REPLACE THE CIRCLIP IF ANY DAMAGE OR LOSS OF RETENTION FORCE IS OBSERVED DURING INSTALLATION.



Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in mm

Part Number	Groove diameter	Shaft Diameter d1		Circlip Dimensions					Groove Dimensions				
		From	To	s	Tol	a	Tol	d3	d2	Tol	M1	Tol	n min
R4G59E00800	0.8	1.0	1.4	0.2		0.58		2.25	0.8	+0.00 -0.04	0.24		0.4
R4G59E10200	1.2	1.4	2.0	0.3		1.01		3.25	1.2		0.34	+0.04 -0.00	0.6
R4G59E10500	1.5	2.0	2.5	0.4		1.28		4.25	1.5		0.44		0.8
R4G59E10900	1.9	2.5	3.0	0.5		1.61		4.80	1.9	+0.00 -0.06	0.54		1.0
R4G59E20300	2.3	3.0	4.0	0.6		1.94	±0.04	6.30	2.3		0.64		1.0
R4G59E30200	3.2	4.0	5.0	0.6		2.70		7.30	3.2		0.64		1.0
R4G59E04000	4	5.0	7.0	0.7	±0.03	3.34		9.30	4.0		0.74		1.2
R4G59E05000	5	6.0	8.0	0.7		4.11		11.30	5.0	+0.00 -0.08	0.74	+0.05 -0.00	1.2
R4G59E06000	6	7.0	9.0	0.7		5.26	±0.05	12.30	6.0		0.74		1.2
R4G59E07000	7	8.0	11.0	0.9		5.84		14.30	7.0		0.94		1.5
R4G59E08000	8	9.0	12.0	1.0		6.52		16.30	8.0		1.05		1.8
R4G59E09000	9	10.0	14.0	1.1		7.63	±0.06	18.80	9.0	+0.00 -0.09	1.15		2.0
R4G59E10000	10	11.0	15.0	1.2		8.32		20.40	10.0		1.25		2.0
R4G59E12000	12	13.0	18.0	1.3		10.45		23.40	12.0		1.35		2.5
R4G59E15000	15	16.0	24.0	1.5		12.61	±0.07	29.40	15.0	+0.00 -0.11	1.55		3.0
R4G59E19000	19	20.0	31.0	1.75	±0.04	15.92		37.60	19.0		1.8	+0.08 -0.00	3.5
R4G59E24000	24	25.0	38.0	2.0		21.88		44.60	24.0	+0.00 -0.13	2.05		4.0
R4G59E30000	30	32.00	42.00	2.5		25.80	±0.09	52.6	30.0		2.55		4.5

Sizes in BLUE are non-preferred. Availability is limited and MOQ is applied Data is strictly informative

Note: All Austenitic Stainless-Steel Fasteners may exhibit some Magnetic Properties due to the Manufacturing Process.
Refer: ISO 3506-2 Annex F