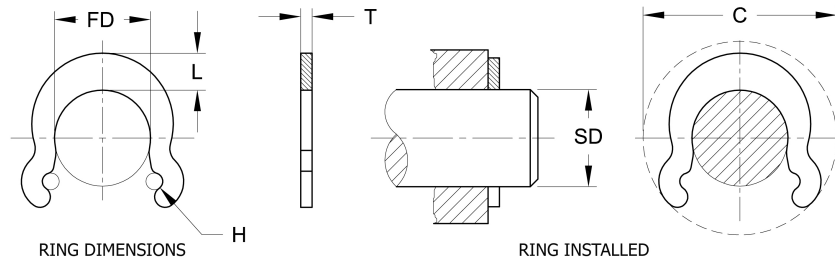


S&M Series XRG External Radial Grip Ring	SHAFT DIAMETER			RING DIMENSIONS					
	DEC. EQUIV. INCH		FRAC. EQUIV. INCH	FREE DIAMETER		THICKNESS		NOTCH DIA.	LARGE SEC.
	FROM	TO	SD	FD	TOL.	T	TOL.	N	L
XRG0009	.092	.096	3/32	.089	+ .002 - .003	.025	+/- .002	.040	.045
XRG0012	.123	.127	1/8	.119	+ .002 - .003	.025	+/- .002	.040	.054
XRG0015	.154	.158	5/32	.149	+ .002 - .004	.025	+/- .002	.040	.078
XRG0018	.185	.189	3/16	.179	+ .002 - .004	.035	+/- .002	.048	.085
XRG0025	.248	.252	1/4	.238	+ .002 - .004	.035	+/- .002	.048	.100
XRG0031	.310	.316	5/16	.298	+ .003 - .005	.042	+/- .002	.052	.114
XRG0037	.373	.379	3/8	.356	+ .003 - .005	.042	+/- .002	.052	.130

Installation: rings should not be over-expanded during installation. If groove has been machined to recommended diameter, play between the ring and groove after installation indicates the ring has been expanded excessively; this may lead to application failure. *C=Ring clearance diameter after ring is applied into groove.
 For plated, phosphate-coated, and stainless steel rings , the maximum ring thickness will not exceed the minimum groove width (GW) minus .0002".



THRUST LOAD ALLOWABLE LOAD (LBS)	APPROX. WT. PER 1000 RINGS (Lbs.)	ROCKWELL HARDNESS (CARBON STEEL W/O PLATING)	RING CLEARANCE	CALC. RPM LIMITS	S&M Series XRG External Radial Grip Ring
			*C		RING NUMBER
**TR					
8	.135	30N 65.8-70.2	.30	Over 80,000	XRG0009
10	.188	30N 65.8-70.2	.34	Over 80,000	XRG0012
13	.272	30N 65.8-70.2	.38	Over 80,000	XRG0015
18	.45	C 47-52	.44	Over 80,000	XRG0018
22	.74	C 47-52	.54	Over 80,000	XRG0025
32	1.1	C 47-52	.66	Over 80,000	XRG0031
42	1.5	C 47-52	.76	Over 80,000	XRG0037

TG **=Groove wall thrust loads shown are for grooves machined in cold-rolled steel with a tensile yield strength of 45,000 psi.
 For shaft material with greater or lesser yield strength, groove wall thrust load increases or decreases proportionally.
 Standard Material= is Carbon Spring Steel (SAE 1060-1090)
 Standard finish= Oil-dipped