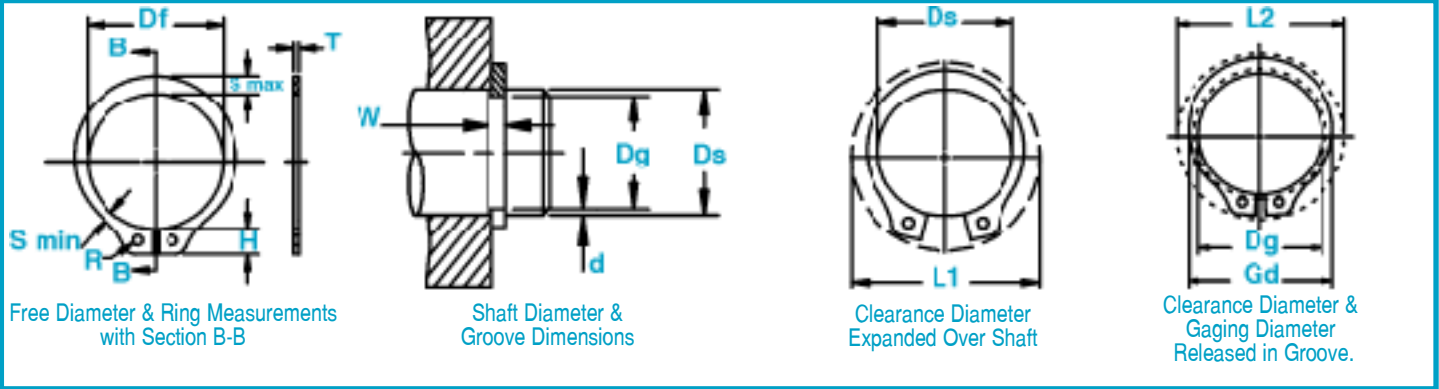




SH Shaft Rings

Axially Assembled, External

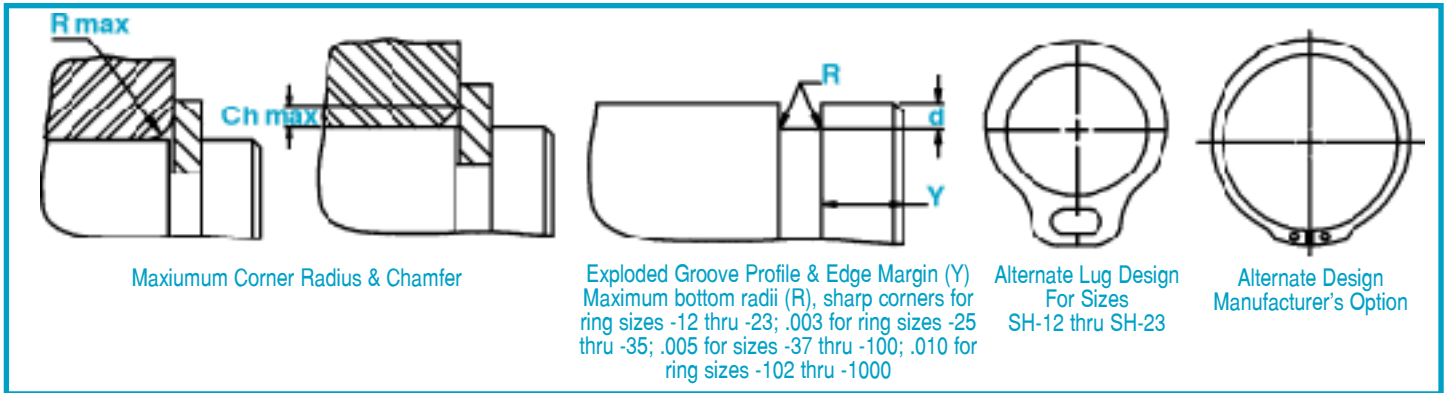
Once installed in the groove of a shaft, the shoulder holds an assembly in place.



RING NO.	SHAFT DIAMETER			GROOVE SIZE			RING SIZE & WEIGHT				CLEARANCE DIA.			THRUST LD. (lbs.)			
				DIAMETER	WIDTH		DEPTH	FREE DIAMETER		THICKNESS**		Expanded over Shaft	Released in Groove	Sqr. Corner Abutment			
	Dg	Tol.	W		Tol.	d		Df	Tol.	T	Tol.			lbs.	L1	L2	Pr
SH-354	3.543	-	90.0	3.357		.120		.093	3.277		.109		73.0	4.25	4.07	46183	23300
SH-362	3.625	3-5/8	92.1	3.435		.120		.095	3.352		.109		76.0	4.33	4.14	47299	24300
SH-368	3.688	3-11/16	93.7	3.493		.120		.097	3.410		.109		80.0	4.31	4.12	48010	25300
SH-375	3.750	3-3/4	95.2	3.552	±.006	.120	+ .005	.099	3.468	+ .020	.109	±.003	83.0	4.52	4.33	48822	26200
SH-387	3.875	3-7/8	98.40	3.673	.006*	.120	-.000	.101	3.584	-.030	.109		88.0	4.62	4.42	50446	27700
SH-393	3.938	3-15/16	100.0	3.734		.120		.102	3.642		.109		95.0	4.70	4.50	51359	28400
SH-400	4.000	4	101.6	3.792		.120		.104	3.700		.109		101.0	4.76	4.56	52171	29400
SH-412	4.125	4-1/8	104.8	3.915		.120		.105	3.800		.109		101.2	5.00	4.78	53200	29800
SH-425	4.250	4-1/4	108.0	4.065		.120		.092	3.989		.109		112.0	4.98	4.80	55419	27600
SH-437	4.375	4-3/8	111.1	4.190		.120		.092	4.106		.109		115.0	5.22	5.04	57043	28400
SH-450	4.500	4-1/2	114.3	4.310		.120		.095	4.223		.109		132.0	5.37	5.18	58667	30200
SH-475	4.750	4-3/4	120.6	4.550		.120		.100	4.458		.109		113.0	5.62	5.42	61915	33600
SH-500	5.000	5	127.0	4.790		.120		.105	4.692		.109		149.0	5.77	5.56	65163	37100
SH-525	5.250	5-1/4	133.3	5.030		.139		.110	4.927		.125		190.0	6.10	5.89	78460	40800
SH-550	5.500	5-1/2	139.7	5.265	±.007	.139	+ .006	.117	5.162	+ .020	.125	±.004	202.5	6.45	6.22	82215	45500
SH-575	5.750	5-3/4	146.0	5.505	.006*	.139	-.000	.122	5.396	-.040	.125		220.0	6.69	6.45	85971	49600
SH-600	6.000	6	152.4	5.745		.139		.127	5.631		.125		210.0	6.91	6.66	89625	53800
SH-625	6.250	6-1/4	158.7	5.985		.174		.132	5.866		.156		282.0	7.26	7.00	116522	58300
SH-650	6.500	6-1/2	165.1	6.225		.174		.137	6.100	+ .020	.156		330.0	7.62	7.35	121191	62900
SH-675	6.750	6-3/4	171.4	6.465		.174		.142	6.335	-.050	.156		356.0	7.83	7.55	125860	67700
SH-700	7.000	7	177.8	6.705		.174		.147	6.570		.156		371.0	7.86	7.78	130529	72700
SH-725	7.250	7-1/4	184.2	6.942		.209		.154	6.775		.187		510.0	7.59	8.13	162096	78900
SH-750	7.500	7-1/2	190.5	7.180		.209		.160	7.009		.187		534.0	8.73	8.41	167678	84800
SH-775	7.750	7-3/4	196.9	7.420	±.008	.209	+ .008	.165	7.243	+ .050	.187	±.005	545.0	8.85	8.52	173261	90450
SH-800	8.000	8	203.2	7.660	.006*	.209	-.000	.170	7.478	-.130	.187		640.0	9.25	8.91	178843	96100
SH-825	8.250	8-1/4	209.6	7.900		.209		.175	7.712		.187		665.0	9.54	9.19	184426	102100
SH-850	8.500	8-1/2	215.9	8.140		.209		.180	7.947		.187		692.0	9.79	9.43	190008	108100
SH-875	8.750	8-3/4	222.3	8.380		.209		.185	8.181		.187		712.0	10.40	10.00	195591	114450
SH-900	9.000	9	228.6	8.620		.209		.190	8.415		.187		737.0	10.60	10.22	201173	120800
SH-925	9.250	9-1/4	234.9	8.860		.209		.195	8.650		.187		760.0	10.85	10.50	206756	128225
SH-950	9.500	9-1/2	241.3	9.100		.209		.200	8.885		.187		785.0	11.10	10.70	212338	134200
SH-975	9.750	9-3/4	247.6	9.338		.209		.206	9.120		.187		845.0	11.35	10.95	217921	142000
SH-1000	10.000	10	254.0	9.575		.209		.212	9.355		.187		910.0	11.60	11.20	223503	149800

* F.I.M. (FULL INDICATOR MOVEMENT)- MAXIMUM ALLOWABLE DEVIATION OF CONCENTRICITY BETWEEN GROOVE & SHAFT.
 † BASED ON HOUSINGS/SHAFTS MADE OF COLD ROLLED STEEL. FOR AN EXPLANATION OF FORMULAS USED TO DERIVE THRUST LOAD AND OTHER PERFORMANCE DATA CONTACT THE ROTOR CLIP ENGINEERING DEPARTMENT.
 ***FOR PLATED RINGS ADD .002" TO THE LISTED MAXIMUM THICKNESS. MAXIMUM THICKNESS WILL BE A MINIMUM OF .0002" LESS THAN THE LISTED GROOVE WIDTH (W) MINIMUM.

For technical assistance call 1-800-55-ROTOR



RING NO.	LUG HEIGHT		MAXIMUM SECTION		MINIMUM SECTION		HOLE DIAMETER		GAGING DIA.	ALLOWABLE CORNER RADII & CHAMFERS			MAX. LOAD w/ R max or Ch max (lbs.)	EDGE MARGIN	R.P.M. LIMITS Standard Material
	H	Tol.	S max	Tol.	S min	Tol.	R	Tol.		Gd Max.	R max	Ch max			
SH-354	.310		.310		.149		.125		3.809	.123	.074	10500	.279	5800	
SH-362	.310		.310		.153		.125		3.898	.127	.076	10500	.285	5700	
SH-368	.310		.310		.156		.125	+.015	3.966	.130	.078	10500	.291	5600	
SH-375	.342	±.005	.342	±.008	.160	±.008	.125	-.002	4.037	.133	.080	10500	.297	5500	
SH-387	.342		.342		.163		.125		4.169	.137	.082	10500	.303	5100	
SH-393	.342		.342		.163		.125		4.230	.137	.082	10500	.306	5200	
SH-400	.342		.342		.163		.125		4.288	.135	.081	10500	.312	5000	
SH-412	.380		.318		.165		.125		4.410	.135	.081	10500	.315	4900	
SH-425	.342		.342		.176		.125		4.558	.146	.088	10500	.276	4800	
SH-437	.342		.342		.181		.125		4.683	.146	.088	10500	.276	4700	
SH-450	.405		.405		.185		.125		4.860	.102	.061	10500	.285	4500	
SH-475	.405		.405		.136		.125		4.996	.115	.069	10500	.300	4200	
SH-500	.405	±.008	.405	±.010	.194	±.010	.156		5.346	.165	.099	10500	.315	4000	
SH-525	.435		.435		.211		.156		5.605	.169	.101	13500	.330	3900	
SH-550	.435		.435		.209		.156		5.867	.175	.105	13500	.351	3700	
SH-575	.435		.435		.220		.156		6.134	.184	.110	13500	.366	3500	
SH-600	.435		.435		.171		.156		6.302	.143	.086	13500	.381	3400	
SH-625	.485		.485		.176		.156		6.568	.148	.089	21000	.396	3100	
SH-650	.485		.485		.236		.156		6.905	.191	.114	21000	.411	3000	
SH-675	.515		.515		.246		.187	+.020	7.172	.200	.120	21000	.426	3000	
SH-700	.515		.515		.256		.187	-.005	7.439	.208	.125	21000	.441	2900	
SH-725	.545		.545		.267		.187		7.700	.214	.128	30000	.460	2800	
SH-750	.545		.545		.277		.187		7.963	.220	.132	30000	.480	2700	
SH-775	.560	±.012	.560	±.015	.285	±.015	.187		8.228	.227	.136	30000	.495	2600	
SH-800	.560		.560		.294		.187		8.493	.235	.141	30000	.510	2500	
SH-825	.580		.580		.304		.187		8.758	.242	.146	30000	.525	2400	
SH-850	.580		.580		.314		.187		9.023	.250	.150	30000	.540	2300	
SH-875	.735		.591		.322		.187		9.280	.258	.155	30000	.555	2200	
SH-900	.735		.609		.333		.187		9.557	.267	.160	30000	.570	2200	
SH-925	.735		.625		.341		.187		9.830	.274	.164	30000	.585	2100	
SH-950	.735		.642		.350		.187		10.086	.281	.168	30000	.600	2100	
SH-975	.735		.658		.358		.187		10.340	.287	.172	30000	.618	2000	
SH-1000	.735		.675		.367		.187		10.610	.294	.176	30000	.636	2000	

LARGER SIZES MAY BE AVAILABLE UPON REQUEST.

HARDNESS RANGES: STAINLESS STEEL RINGS (PH 15-7MO)

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
SH	25-81	30N	63-69.5
	87+	C	44-51

HARDNESS RANGES: CARBON STEEL RINGS (SAE 1060-1090)

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
SH	25-46	30N	69.5-73
	50-81	30N	66-71
	84-102	C	47-53
	106-343	C	47-52
	350-700	C	44-51
	725-1000	C	40-47

HARDNESS RANGES: BERYLLIUM COPPER RINGS

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
SH	12-23	15N	77-82*
	25-102	30N	56.5-62
	106+	C	37-43

*HARDNESS CAN NOT BE CHECKED WITH ANY DEGREE OF ACCURACY DIRECTLY ON THESE RINGS.