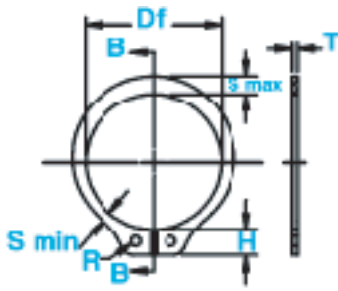




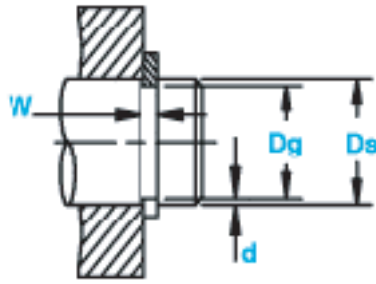
SH Shaft Rings

Axially Assembled, External

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



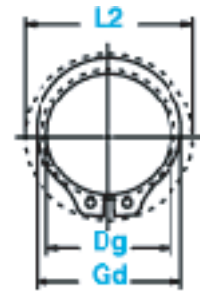
Free Diameter & Ring Measurements with Section B-B



Shaft Diameter & Groove Dimensions



Clearance Diameter Expanded Over Shaft



Clearance Diameter & Gaging Diameter Released in Groove.

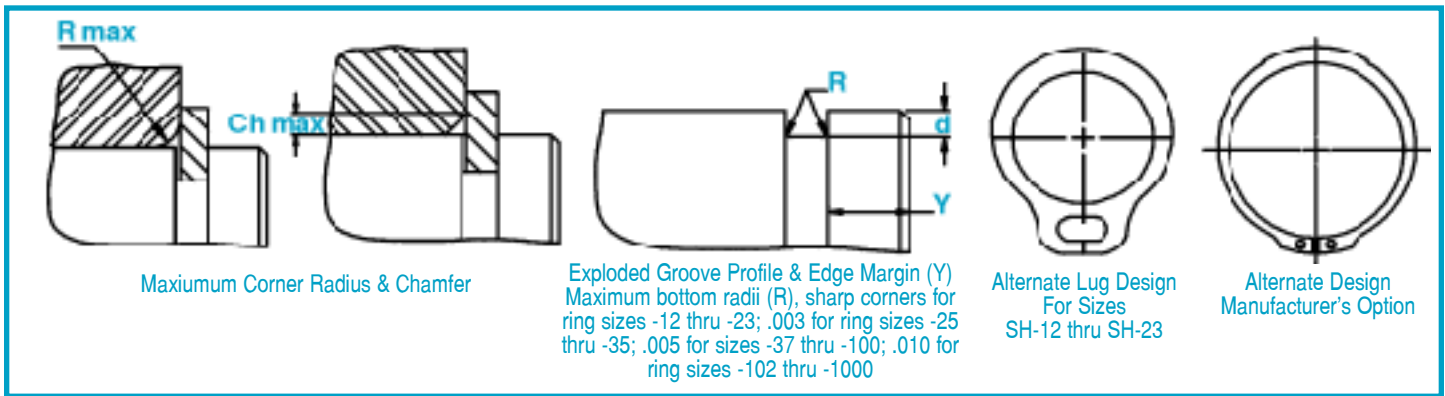
RING NO.	SHAFT DIAMETER D			GROOVE SIZE			RING SIZE & WEIGHT				CLEARANCE DIA.			THRUST LD. (lbs.)			
				DIAMETER	WIDTH		DEPTH	FREE DIAMETER		THICKNESS***		eight Per 1000 pcs.	Expanded over Shaft	Released in Groove	Sqr. Corner Abutment		
	Dg	Tol.	W		Tol.	d		Df	Tol.	T	Tol.				Lbs.	L1	L2
SH-118	1.188	1-3/16	30.2	1.118		.056		.035	1.098		.050		5.6	1.61	1.54	7105	2950
SH-125	1.250	1-1/4	31.7	1.176	±.004	.056		.037	1.156		.050	±.002	5.9	1.69	1.62	7460	3250
SH-131	1.312	1-5/16	33.3	1.232	.005*	.056		.040	1.214	+ .010	.050		6.8	1.75	1.67	7866	3700
SH-137	1.375	1-3/8	34.9	1.291		.056		.042	1.272	- .015	.050		7.2	1.80	1.72	8222	4100
SH-143	1.438	1-7/16	36.5	1.350		.056		.044	1.333		.050		8.1	1.87	1.79	8628	4500
SH-150	1.500	1-1/2	38.1	1.406		.056		.047	1.387		.050		9.0	1.99	1.90	8932	5000
SH-156	1.562	1-9/16	39.7	1.468		.068		.047	1.446		.062		12.4	2.10	2.01	11571	5200
SH-162	1.625	1-5/8	41.3	1.529		.068	+ .004	.048	1.503		.062		13.2	2.17	2.08	12028	5500
SH-168	1.688	1-11/16	42.9	1.589	±.005	.068	- .000	.049	1.560		.062		14.8	2.24	2.15	12535	5850
SH-175	1.750	1-3/4	44.4	1.650	.005*	.068		.050	1.618	+ .013	.062		15.3	2.31	2.21	12992	6200
SH-177	1.772	-	45.0	1.669		.068		.051	1.637	- .020	.062		15.4	2.33	2.23	13144	6400
SH-181	1.812	1-13/16	46.0	1.708		.068		.052	1.675		.062		15.6	2.38	2.28	13449	6650
SH-187	1.875	1-7/8	47.6	1.769		.068		.053	1.735		.062		17.3	2.44	2.34	13906	7000
SH-196	1.969	1-31/32	50.0	1.857		.068		.056	1.819		.062		18.0	2.57	2.46	14565	7800
SH-200	2.000	2	50.8	1.886		.068		.057	1.850		.062		19.0	2.60	2.49	14819	8050
SH-206	2.062	2-1/16	52.4	1.946		.086		.058	1.906		.078		25.0	2.68	2.57	19234	8450
SH-212	2.125	2-1/8	54.0	2.003		.086		.061	1.964		.078		26.1	2.78	2.66	19793	9150
SH-215	2.156	2-5/32	54.8	2.032		.086		.062	1.993		.078		26.3	2.81	2.69	20097	9450
SH-225	2.250	2-1/4	57.1	2.120		.086		.065	2.081	+ .015	.078	±.003	27.7	2.88	2.76	21011	10350
SH-231	2.312	2-5/16	58.7	2.178		.086		.067	2.139	- .025	.078		28.0	2.94	2.81	21518	10950
SH-237	2.375	2-3/8	60.3	2.239		.086		.068	2.197		.078		29.2	3.06	2.93	22127	11400
SH-243	2.438	2-7/16	61.9	2.299	±.006	.086	+ .005	.069	2.255		.078		29.5	3.07	2.94	22736	11900
SH-250	2.500	2-1/2	63.5	2.360	.006*	.086	- .000	.070	2.313		.078		29.7	3.17	3.03	23345	12350
SH-255	2.559	-	65.0	2.419		.086		.070	2.377		.078		33.9	3.18	3.04	23853	12650
SH-262	2.625	2-5/8	66.7	2.481		.086		.072	2.428		.078		35.0	3.30	3.16	24462	13350
SH-268	2.688	2-11/16	68.3	2.541		.086		.073	2.485		.078		36.0	3.37	3.23	25071	13850
SH-275	2.750	2-3/4	69.8	2.602		.103		.074	2.543		.093		42.5	3.48	3.34	30551	14400
SH-287	2.875	2-7/8	73.0	2.721		.103		.077	2.659		.093		48.5	3.60	3.45	31973	15650
SH-293	2.938	2-15/16	74.6	2.779		.103		.079	2.717	+ .020	.093		50.0	3.66	3.51	32683	16400
SH-300	3.000	3	76.2	2.838		.103		.081	2.775	- .030	.093		52.0	3.60	3.44	33394	17200
SH-306	3.062	3-1/16	77.8	2.898		.103		.082	2.832		.093		47.5	3.74	3.58	34003	17750
SH-312	3.125	3-1/8	79.4	2.957		.103		.084	2.892		.093		58.0	3.85	3.69	34815	18550
SH-315	3.156	3-5/32	80.2	2.986		.103		.085	2.920		.093		59.0	3.88	3.71	35119	18950
SH-325	3.250	3-1/4	82.5	3.076		.103		.087	3.006		.093		62.0	3.93	3.76	36134	20000
SH-334	3.346	3-11/32	85.0	3.166		.103		.090	3.092		.093		64.0	4.02	3.85	37251	21000
SH-343	3.438	3-7/16	87.3	3.257		.103		.090	3.179		.093		66.0	4.14	3.96	38266	21900
SH-350	3.500	3-1/2	88.9	3.316		.120		.092	3.237		.109		72.0	4.16	3.98	45574	22800

* 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			
	SH-118	.182	±.004	.132	±.006	.072	±.006	.078	+.015 -.002	1.325	.064	.0385	1950	.105
SH-125	.183	.140		.076		.078		1.396		.068	.041	1950	.111	17000
SH-131	.183	.146		.076		.078		1.458		.068	.041	1950	.120	16500
SH-137	.184	.152		.082		.078		1.529		.072	.043	1950	.126	16000
SH-143	.184	.160		.086		.078		1.600		.076	.045	1950	.132	15000
SH-150	.214	.168		.091		.120		1.668		.079	.047	1950	.141	14800
SH-156	.235	.172		.093		.125		1.740		.082	.049	3000	.141	14000
SH-162	.235	.180		.097		.125		1.812		.087	.052	3000	.144	13200
SH-168	.235	.184		.099		.125		1.877		.090	.054	3000	.148	13000
SH-175	.237	.188		.101		.125		1.945		.091	.054	3000	.150	12200
SH-177	.237	.190		.102		.125		1.967		.092	.055	3000	.154	11700
SH-181	.262	.192		.102		.125		2.010		.092	.055	3000	.156	11500
SH-187	.239	.196		.104		.125		2.076		.094	.056	3000	.159	11000
SH-196	.262	.200		.106		.125		2.170		.094	.056	3000	.168	10500
SH-200	.262	.204		.108		.125		2.205		.096	.057	3000	.171	10000
SH-206	.267	.208		.111		.125		2.275		.098	.059	5000	.174	9600
SH-212	.280	.212	.113	.125	2.337	.098	.059	5000	.183	9500				
SH-215	.280	.212	.113	.125	2.366	.097	.058	5000	.186	9400				
SH-225	.280	.220	.116	.125	2.466	.100	.060	5000	.195	9200				
SH-231	.267	.222	.118	.125	2.528	.100	.060	5000	.201	9000				
SH-237	.292	.224	.119	.125	2.591	.100	.060	5000	.204	8800				
SH-243	.268	.228	.120	.125	2.657	.102	.061	5000	.207	8600				
SH-250	.292	.232	.122	.125	2.724	.104	.062	5000	.210	8400				
SH-255	.268	.238	.125	.125	2.792	.108	.065	5000	.210	8200				
SH-262	.292	.242	.127	.125	2.860	.1095	.066	5000	.216	8000				
SH-268	.292	.246	.129	.125	2.926	.1115	.067	5000	.219	7900				
SH-275	.324	.248	.131	.125	2.992	.112	.067	7350	.222	7600				
SH-287	.324	.256	.133	.125	3.122	.115	.069	7350	.231	7300				
SH-293	.324	.260	.136	.125	3.187	.116	.070	7350	.237	7200				
SH-300	.264	.264	.138	.125	3.252	.117	.070	7350	.243	6700				
SH-306	.300	.300	.131	.125	3.294	.107	.064	7350	.246	6600				
SH-312	.324	.272	.141	.125	3.383	.120	.072	7350	.252	6600				
SH-315	.324	.274	.143	.125	3.415	.1205	.072	7350	.255	6500				
SH-325	.300	.300	.145	.125	3.515	.123	.074	7350	.261	6400				
SH-334	.300	.300	.147	.125	3.613	.126	.076	7350	.270	6000				
SH-343	.308	.292	.148	.125	3.712	.129	.077	7350	.270	5900				
SH-350	.285	.285	.148	.125	3.764	.122	.073	10500	.276	5900				

FOR HARDNESS SPECIFICATIONS, SEE END OF THIS SECTION.