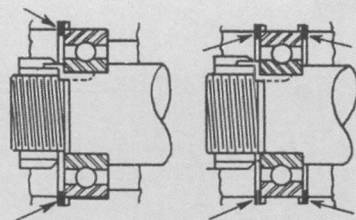
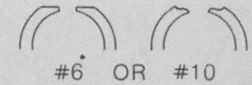
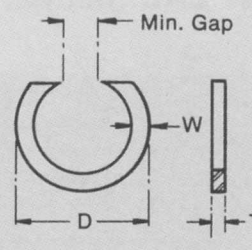
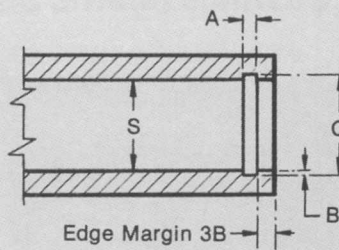


The dimensions of the below parts are envelope dimensions only.
For complete design information, please request a drawing from
the Ring Masters' Engineering Department.

Internal Retaining Rings Housing applications for SAE Standard Bearings (Metric Sizes)



Snap rings holding the outer
race of bearings against thrust.
Also application where snap
ring holds the outer race against
thrust loads in either direction.



Standard gap profiles
at manufacturers option.

See section on types and
functions for optional gaps.

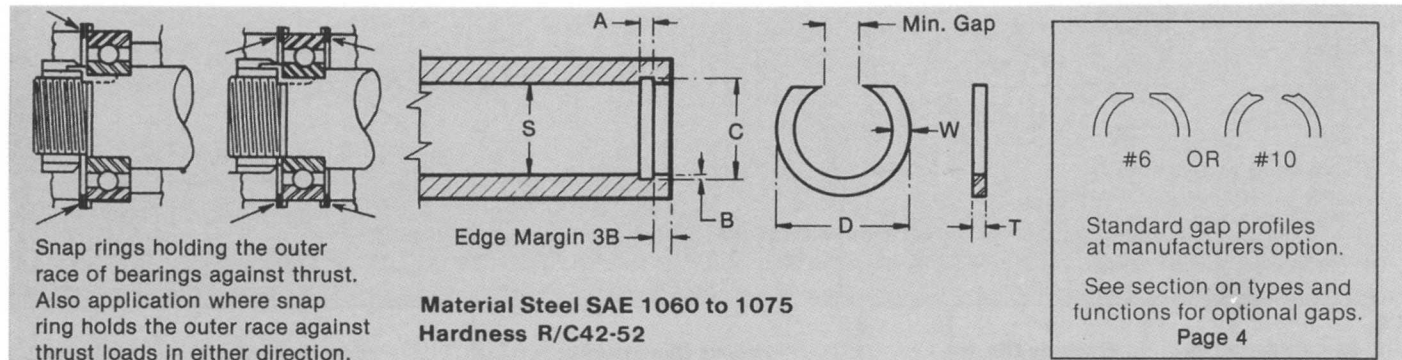
Page 4

Material Steel SAE 1060 to 1075 Hardness R/C42-52

Basic Bearing No.			S Housing Dia. or Bearing O.D.		Part No.	Groove Dimensions				Ring Dimensions				Gap at Min. Free O.D.
LT.	MED.	HVY.	Inches	MM Equiv.		Diameter		Width A + .004 - .000	Depth B Nom.	Free O.D.		Width W ± .005 * ± .003	Thick T ± .002	
						C	Tol.			D	Tol.			
200			1.1811	29.93	738-1	1.243	± .005	.035	.031	1.265	+ .031 - .000	.100*	.031	.375 + .080 - .000
			1.1811	29.93	721-1	1.253		.046	.036	1.265		.125	.042	
			1.1811	29.93	725-1R	1.251		.068	.035	1.271		.109*	.062	
201			1.2598	31.93	775	1.321		.035	.031	1.349		.100*	.031	
			1.2598	31.93	744	1.331		.046	.036	1.343		.125	.042	
			1.2598	31.93	2884-R	1.329		.068	.035	1.365		.109*	.062	
202			1.3780	34.92	837	1.440		.035	.031	1.468		.100*	.031	
	300		1.3780	34.92	801	1.450		.046	.036			.125	.042	
			1.3780	34.92	793-R	1.458		.068	.040	1.486		.140	.062	
			1.4567	36.92	866	1.518		.035	.031	1.546		.100*	.031	
	301		1.4567	36.92	846-1	1.528	.046	.036	1.564	.125	.042			
			1.4567	36.92	836-R	1.536	.068	.040		.140	.062			
203			1.5748	39.91	913-1	1.654	.046		1.687	.125	.042	.437 + .093 - .000		
			1.5748	39.91	886	1.668			.047	1.703			.156	.062
			1.5748	39.91	887		.068		1.765	.125	.042			
	302		1.6535	41.90	1880-4	1.733	.046	.040	1.781	.156	.062			
			1.6535	41.90	3068-1	1.747	.062	.047	1.968	.125	.042			
204			1.8504	46.89	1026-1	1.930	.046	.040	1.976	.156	.062			
	303		1.8504	46.89	992-1	1.944		.047		.172	.062			
			1.8504	46.89	981-R	1.951	.068	.050	2.171	.156	.042			
205			2.0472	51.88	1080-2	2.137	.046	.045		.156	.042			
	304		2.0472	51.88	1080-2	2.141		.047	2.179	.156	.062		.562 + .093 - .000	
			2.0472	51.88	1069-R	2.148		.050		2.199		.172		
206			2.4409	61.86	1208-1	2.530	.068	.045	2.562	.156	.062			
	305		2.4409	61.86	1208-1	2.544		.052		.187		.093		
		403	2.4409	61.86	1198	2.565	.103	.062	2.593	.156	.062			
207			2.8346	71.83	1343-3	2.934	± .006	.068	.050	2.968	.187	.687 + .093 - .000		
	306		2.8346	71.83	1331	2.959			.062	2.984	.187			.062
		404	2.8346	71.83	1336				.103	.062	3.000			.187
208			3.1496	79.82	1433-1	3.249		.068	.050	3.281	.156			.062
	307		3.1496	79.82	1410	3.274			.062	3.296	.187			.062
		405	3.1496	79.82	1415-R				.103	.062	3.312		.218	.093
209			3.3465	84.81	1483-1	3.446		.068	.050	3.484	.156		.062	
			3.3465	84.81	1469-2	3.471			.062	3.500	.187		.093	
			3.3465	84.81	1472-5R	3.471			.103	.050	3.687			.156
210			3.5433	89.79	1526-1	3.643			.062	3.703	.187		.687 + .093 - .000	
	308		3.5433	89.79	1521	3.668	.139		.085	3.750	.250	.125		
		406	3.5433	89.79	1504	3.713								

Internal Retaining Rings

Housing applications for SAE Standard Bearings (Metric Sizes)



Basic Bearing No.			S Housing Dia. or Bearing O.D.		Part No.	Groove Dimensions				Ring Dimensions				Gap at Min. Free O.D.				
LT.	MED.	HVY.	Inches	MM Equiv.		Diameter		Width A + .004 - .000	Depth B Nom.	Free O.D.		Width W ± .005	Thick T ± .002					
						C	Tol.			D	Tol.							
211			3.9370	100.00	1581-5	4.062	± .006	.103	.062	4.093	+ .093 - .000	.187	.093	.687 + .093 - .000				
	309		3.9370	100.00	1573-1	4.107			.139	.085					4.140	.250	.125	
		407	3.9370	100.00	2230	4.500				.103					.062			4.500
212			4.3307	110.00	1634-3			4.455	.139			.085	4.531		.250	.125		
	310		4.3307	110.00	1626-3			4.500				.120	.080				4.937	.250
		408	4.3307	110.00	1627-2	4.884		.139	.094	4.953			.281		.125			
213			4.7244	120.00	2104	4.912			.139	.085						4.937	.250	
	311		4.7244	120.00	1661	4.894		.120		.080		5.125	.281		.109			
		409	4.7244	120.00	2103	5.081				.174		.094				5.156		.312
214			4.9213	125.00	1924	5.109	.120	.100	5.151		.250	.109						
			4.9213	125.00	1678-1	5.121		.120	.080				5.312	.281	.109			
215			5.1181	130.00	1701-1	5.278			.174	.094			5.343			.312	.156	
	312		5.1181	130.00	1699-2	5.306	.120			.100	5.355	.250	.109					
		410	5.1181	130.00	2008	5.318		.174		.080	5.703			.281	.156			
216			5.5118	140.00	1720	5.671			.120	.094	5.750					.312	.109	
	313		5.5118	140.00	1719	5.699	.174			.080	6.093	.250	.109					
		411	5.5118	140.00	3033-1	5.711		.120		.094	6.125			.312	.156			
217			5.9055	150.00	2790-1	6.065			.174	.100	6.156					.250	.109	
	314		5.9055	150.00	1739	6.093	.120			.080	6.500	.281	.156					
		412	5.9055	150.00	2013	6.105		.174		.094	6.550			.312	.109			
218			6.2992	160.00	1759-1	6.459			.139	.100	6.937					.375	.125	
	315		6.2992	160.00	1754-2	6.497	.174			.125	6.982	.312	.156					
		413	6.2992	160.00	2117-2	6.500		.139		.100	7.343			.375	.125			
219			6.6929	170.00	2656-1	6.892			.209	.125	7.380					.312	.187	
	316		6.6929	170.00	1767-2	6.942	.139			.100	7.718	.375	.125					
			6.6929	170.00	2581	6.892		.209		.125	7.781			.312	.187			
220			7.0866	180.00	1956	7.286			.139	.100	7.782					.375	.125	
	317		7.0866	180.00	3222	7.336	.209			.125	8.125	.312	.187					
		414	7.0866	180.00	4570	7.336		.139		.100	8.187			.375	.125			
221			7.4803	190.00	2331-1	7.680			.209	.125						.312	.187	
	318		7.4803	190.00	3960-2	7.730	.139			.100		.375	.125					
			7.4803	190.00	2246-2	7.730		.209		.125				.312	.187			
222			7.8740	200.00	2034-6	8.074			.139	.100						.375	.125	
	319		7.8740	200.00	1801	8.125	.209			.125		.312	.187					
		416	7.8740	200.00	2127-1	8.125		.139		.100				.375	.125			