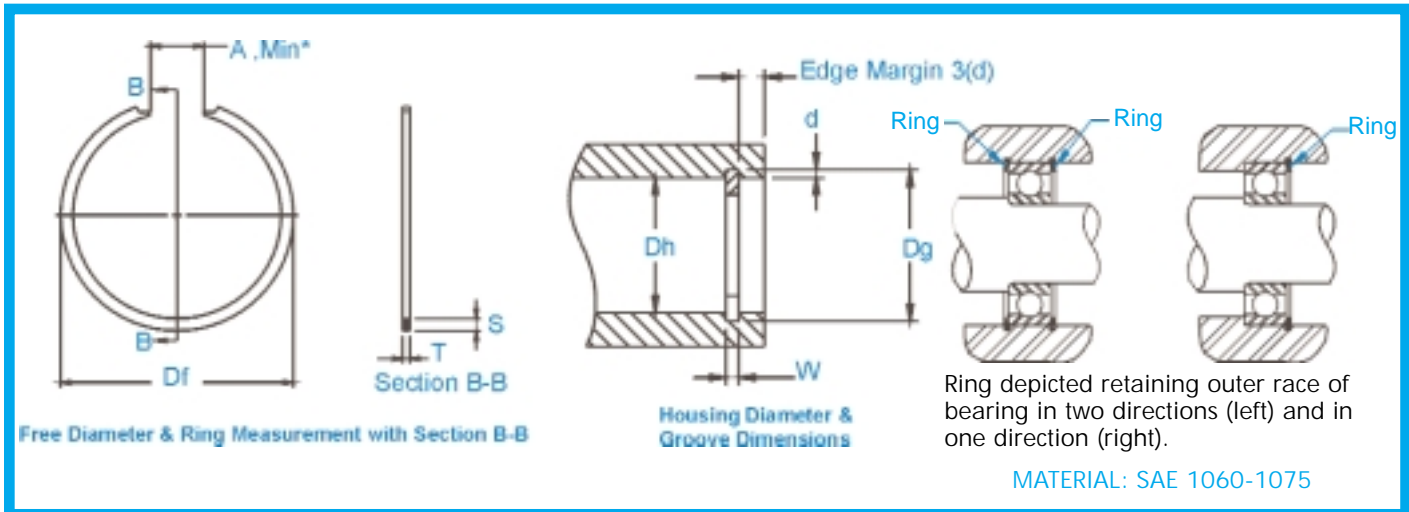


HBL/HBM/HBH Internal CS Rings

for SAE Standard Bearings (Metric Sizes)



RING NUMBER	BEARING NUMBER			HOUSING DIAMETER		GROOVE SIZE					RING DIMENSIONS						
	LIGHT	MED.	HEAVY	Dh DEC	Dh mm	DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS	SECTION		FREE GAP	
						Dg	TOL.	W	TOL.		d	Df		TOL.	T		S
HBL-30	200			1.1811	29.93	1.243	± .005	.035	± .004	-0.000	.031	1.265	+ .031 -0.000	± .002	.100	± .003	.375 + .080 -0.000
HBM-30			1.1811	29.93	1.253	.046		.036			1.265	.042		.125	± .005		
HBH-30			1.1811	29.93	1.251	.068		.035			1.271	.062		.109	± .003		
HBL-32	201			1.2598	31.93	1.321		.035			.031	1.349		.031	.100	± .003	
HBM-32			1.2598	31.93	1.331	.046		.036			1.343	.042		.125	± .005		
HBH-32			1.2598	31.93	1.329	.068		.035			1.365	.062		.109	± .003		
HBL-35	202			1.3780	34.92	1.440		.035			.031	1.468		.031	.100	± .003	
HBM-35		300	1.3780	34.92	1.450	.046		.036			1.468	.042		.125	± .005		
HBH-35			1.3780	34.92	1.458	.068		.040			1.486	.062		.140	± .005		
HBL-37			1.4567	36.92	1.518	.035		.031			1.546	.031		.100	± .003		
HBM-37		301	1.4567	36.92	1.528	.046		.036			1.546	.042		.125	± .005		
HBH-37			1.4567	36.92	1.536	.068		.040			1.564	.062		.140	± .005		
HBL-40	203			1.5748	39.91	1.654	.046	.040	1.687	.042	.125	+ .046 -0.000	.437 + .093 -0.000				
HBM-40			1.5748	39.91	1.668	.046	.047	1.703	.042	.156	± .005						
HBH-40			1.5748	39.91	1.668	.068	.047	1.703	.062	.156	± .005						
HBL-42			1.6535	41.90	1.733	.046	.040	1.765	.042	.125	± .005						
HBM-42		302	1.6535	41.90	1.747	.046	.047	1.781	.042	.156	± .005						
HBH-42			1.6535	41.90	1.747	.062	.047	1.781	.062	.156	± .005						
HBL-47	204			1.8504	46.89	1.930	.046	.040	1.968	.042	.125			± .005			
HBM-47		303	1.8504	46.89	1.944	.046	.047	1.968	.042	.156	± .005						
HBH-47			1.8504	46.89	1.951	.068	.050	1.976	.062	.172	± .005						
HBL-52	205			2.0472	51.88	2.137	.046	.045	2.171	.042	.156			+ .062 -0.000	.562 + .093 -0.000		
HBM-52		304	2.0472	51.88	2.141	.046	.047	2.171	.042	.156	± .005						
HBH-52			2.0472	51.88	2.148	.068	.050	2.179	.062	.172	± .005						
HBL-62	206			2.4409	61.86	2.530	.068	.045	2.562	.062	.156	± .005					
HBM-62		305	2.4409	61.86	2.544	.068	.052	2.562	.062	.156	± .005						
HBH-62			2.4409	61.86	2.565	.103	.062	2.593	.093	.187	± .005						
HBL-72	207			2.8346	71.83	2.934	.068	.050	2.968	.062	.156	± .005					
HBM-72		306	2.8346	71.83	2.959	.068	.062	2.984	.062	.187	± .005						
HBH-72			2.8346	71.83	2.959	.103	.062	3.000	.093	.187	± .005						
HBL-80	208			3.1496	79.82	3.249	.068	.050	3.281	.062	.156	± .005					
HBM-80		307	3.1496	79.82	3.274	.068	.062	3.296	.062	.187	± .005						
HBH-80			3.1496	79.82	3.274	.103	.062	3.312	.093	.218	± .005						
HBL-85	209			3.3465	84.81	3.446	.068	.050	3.484	.062	.156	± .005					
HBM-85			3.3465	84.81	3.471	.068	.062	3.500	.062	.187	± .005						
HBH-85			3.3465	84.81	3.471	.103	.062	3.500	.093	.218	± .005						

For alternate cutoff styles, contact Rotor Clip Technical Sales at 1-800-557-6867 (E-mail: tech@rotorclip.com)

HBL, HBM, HBH

RING NUMBER	BEARING NUMBER			HOUSING DIAMETER		GROOVE SIZE						RING DIMENSIONS					
	LIGHT	MED.	HEAVY	Dh DEC	Dh mm	DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS		SECTION		FREE GAP
						D _g	TOL.	W	TOL.	d	D _f	TOL.	T	S	TOL.	A m i.	
HBL-90	210			3.5433	89.79	3.643		.103		.050	3.687		.093	.156			
HBM-90		308		3.5433	89.79	3.668		.103		.062	3.703		.093	.187			
HBH-90			406	3.5433	89.79	3.713		.139		.085	3.750		.125	.250			
HBL-100	211			3.9370	100.00	4.062		.103		.062	4.093		.093	.187			.687
HBM-100		309		3.9370	100.00	4.107		.103		.085	4.140		.093	.250			+ .093
HBH-100			407	3.9370	100.00	4.107		.139		.085	4.140		.125	.250			-.000
HBL-110	212			4.3307	110.00	4.455		.103		.062	4.500	+ .093	.093	.187			
HBM-110		310		4.3307	110.00	4.500		.103		.085	4.531	-.000	.093	.250			
HBH-110			408	4.3307	110.00	4.500	± .006	.139	+ .004	.085	4.531		.125	.250	± .005		
HBL-120	213			4.7244	120.00	4.884		.120	-.000	.080	4.937		.109	.250			
HBM-120		311		4.7244	120.00	4.912		.120		.094	4.953		.109	.281			
HBH-120			409	4.7244	120.00	4.894		.139		.085	4.937		.125	.250			
HBL-125	214			4.9213	125.00	5.081		.120		.080	5.125		.109	.250			
HBM-125				4.9213	125.00	5.109		.120		.094	5.156		.109	.281			
HBH-125				4.9213	125.00	5.121		.174		.100	5.151		.156	.312			
HBL-130	215			5.1181	130.00	5.278		.120		.080	5.312		.109	.250			.875
HBM-130		312		5.1181	130.00	5.306		.120		.094	5.343		.109	.281			+ .125
HBH-130			410	5.1181	130.00	5.318		.174		.100	5.355		.156	.312			-.000
HBL-140	216			5.5118	140.00	5.671		.120		.080	5.703		.109	.250			
HBM-140		313		5.5118	140.00	5.699		.120		.094	5.750	+ .125	.109	.281			
HBH-140			411	5.5118	140.00	5.711	± .007	.174		.100	5.750	-.000	.156	.312			
HBL-150	217			5.9055	150.00	6.065		.120		.080	6.093		.109	.250			
HBM-150		314		5.9055	150.00	6.093		.120		.094	6.125		.109	.281			
HBH-150			412	5.9055	150.00	6.105		.174		.100	6.156		.156	.312			
HBL-160	218			6.2992	160.00	6.459		.120		.080	6.500		.109	.250			
HBM-160		315		6.2992	160.00	6.497		.120		.094	6.550		.109	.281			
HBH-160			413	6.2992	160.00	6.500		.174		.100	6.550		.156	.312			
HBL-170	219			6.6929	170.00	6.892		.139		.100	6.937		.125	.312			
HBM-170		316		6.6929	170.00	6.942		.139		.125	6.982		.125	.375			
HBH-170				6.6929	170.00	6.892		.174		.100	6.937		.156	.312			
HBL-180	220			7.0866	180.00	7.286		.139		.100	7.343		.125	.312			
HBM-180		317		7.0866	180.00	7.336		.139		.125	7.380	+ .187	.125	.375			
HBH-180			414	7.0866	180.00	7.336	± .008	.209		.125	7.380	-.000	.187	.375			
HBL-190	221			7.4803	190.00	7.680		.139		.100	7.718		.125	.312			
HBM-190		318		7.4803	190.00	7.730		.139		.125	7.781		.125	.375			
HBH-190				7.4803	190.00	7.730		.209		.125	7.782		.187	.375			
HBL-200	222			7.8740	200.00	8.074		.139		.100	8.125		.125	.312			
HBM-200		319		7.8740	200.00	8.125		.139		.125	8.187		.125	.375			
HBH-200			416	7.8740	200.00	8.125		.209		.125	8.187		.187	.375			

Hardness: All Ring Sizes-HRC 42-52

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