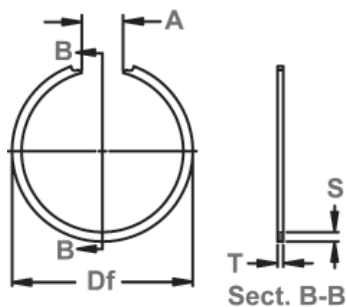


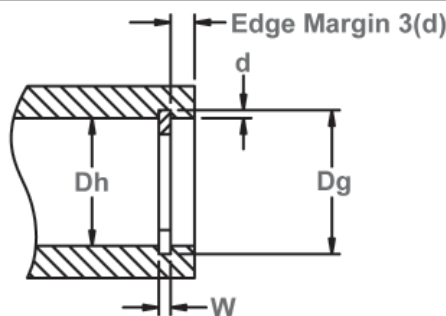
Snap Ring, Internal, Inch

Designed for needle bearings, once installed in the groove of a housing/bore, the portion of the ring protruding from the groove holds an assembly in place.

HN Constant Section Rings



Free Diameter & Ring Measurement with Section B-B



Housing Diameter & Groove Dimensions

Material SAE 1060-1075

RING SIZE	HOUSING DIAMETER			GROOVE SIZE			RING DIMENSIONS					ALLOWABLE STATIC THRUST LOAD (Lbs.)			
				DIAMETER		WIDTH	DEPTH	FREE DIAMETER		THICKNESS	SECTION			FREE GAP	
	Dh DEC	Dh FRACT.	Dh mm	Dg	TOL.	W	d	Df	TOL.	T	S			TOL.	A Min
HN-112	1.125	1-1/8	28.58	1.181	±.005	.046	.028	1.196	+.031	±.002	.093	±.003	.375	.562	1100
HN-125	1.250	1-1/4	31.75	1.310			.030	1.330		.042	.093		.375	.562	1360
HN-137	1.375	1- 3/8	34.93	1.435			.030	1.460		.042	.093		.375	.562	1600
HN-150	1.500	1-1/2	38.10	1.580			.040	1.600	.042	.125	.375		.562	1900	
HN-162	1.625	1-5/8	41.28	1.705			.040	1.725	.042	.125	.437		.750	1930	
HN-175	1.750	1-3/4	44.45	1.830			.040	1.855	.042	.125	.437		.750	1960	
HN-187	1.875	1-7/8	47.63	1.965			.045	1.990	.042	.156	.437		.750	2090	
HN-200	2.000	2	50.80	2.090			.045	2.115	.042	.156	.437		.750	2200	
HN-206	2.062	2-1/16	52.37	2.152			.045	2.177	.042	.156	.437		.750	2340	
HN-218	2.187	2-3/16	55.55	2.277			.045	2.302	.042	.156	.437		.750	2700	
HN-231	2.312	2-5/16	58.72	2.402	±.006	.068	.045	2.432	+.078	.042	.156	±.005	.437	.750	2900
HN-243	2.437	2-7/16	61.90	2.527			.045	2.557		.042	.156		.437	.750	3000
HN-256	2.562	2-9/16	65.07	2.652			.045	2.682		.042	.156		.437	.750	3200
HN-300	3.000	3	76.20	3.124			.062	3.154	.062	.187	.562		.938	6250	
HN-325	3.250	3-1/4	82.55	3.374			.062	3.404	.062	.187	.562		.938	6500	
HN-350	3.500	3-1/2	88.90	3.624			.062	3.654	.062	.187	.562		.938	6700	
HN-375	3.750	3-3/4	95.25	3.874			.062	3.904	.062	.187	.562		.938	6100	
HN-400	4.000	4	101.60	4.125			.062	4.155	.062	.187	.562		.938	7000	
HN-425	4.250	4-1/4	107.95	4.394			.072	4.429	.078	.218	.625		1.062	9100	
HN-450	4.500	4-1/2	114.30	4.644			.072	4.679	.078	.218	.625		1.062	9400	
HN-475	4.750	4-3/4	120.65	4.894	.072	4.929	.078	.218	.625	1.062	9200				
HN-500	5.000	5	127.00	5.144	.072	5.184	.078	.218	.625	1.062	9000				
HN-525	5.250	5-1/4	133.35	5.394	.072	5.434	.078	.218	.625	1.062	8800				
HN-575	5.750	5-3/4	146.05	5.894	.072	5.934	.078	.218	.625	1.062	8950				
HN-600	6.000	6	152.40	6.160	±.007	.103	.080	6.220	+.125	.093	.250	±.005	.875	1.437	9000
HN-650	6.500	6-1/2	165.10	6.660			.080	6.730		.093	.250		.875	1.437	7500
HN-700	7.000	7	177.80	7.160			.080	7.240	.093	.250	.875		1.437	6200	
HN-725	7.250	7-1/4	184.15	7.410	±.008	.103	.080	7.500	+.187	.093	.250	±.005	1.000	1.750	6100
HN-750	7.500	7-1/2	190.50	7.660			.080	7.760		.093	.250		1.000	1.750	6000
HN-800	8.000	8	203.20	8.160			.080	8.285	.093	.250	1.000		1.750	5700	

Hardness: All Ring Sizes-HRC 42-52

For alternate cutoff styles, contact Rotor Clip Technical Sales at +1.732.469.7333 (E-mail: tech@rotorclip.com)

