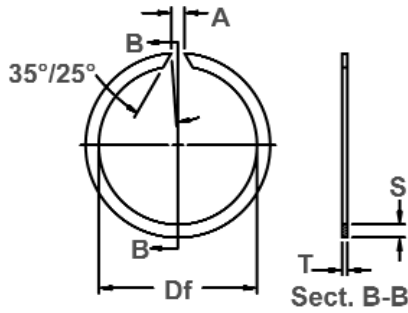


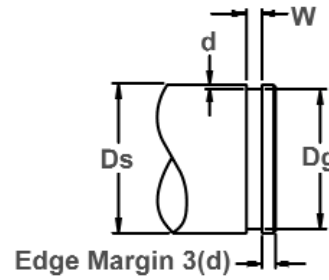
Snap Ring, External, Inch

A light-duty ring designed for needle bearings, once installed in the groove of a shaft the portion of the ring protruding from the groove holds an assembly in place.

SNL Constant Section Rings



Free Diameter & Ring Measurements



Shaft Diameter & Groove Dimensions

Material: SAE 1060-1075

RING SIZE	SHAFT DIAMETER			GROOVE SIZE			RING DIMENSIONS					ALLOWABLE STATIC THRUST LOAD (Lbs.)				
				DIAMETER		WIDTH	DEPTH	FREE DIAMETER	THICKNESS	SECTION			FREE GAP			
	Ds DEC	Ds FRACT.	Ds mm	Dg	TOL.	W	d	Df	TOL.	T ±.002	S		TOL.	A min	A Max	
SNL-50	.500	1/2	12.7	.474		.039	.013	.465	+ .000	.035	.048		.062	.218	460	
SNL-62	.625	5/8	15.88	.597	±.002	+.003 -.000	.014	.587	-.025	.035	.062	±.003	.062	.218	520	
SNL-75	.750	3/4	19.05	.716			.017	.704			.042		.078		.062	.218
SNL-87	.875	7/8	22.23	.833	±.003		.021	.823		.042	.093		.125	.281	1100	
SNL-100	1.000	1	25.40	.954				.023		.944			.042	.093		.125
SNL-112	1.125	1-1/8	25.58	1.077			.024	1.065	+ .000	.042	.125		.125	.281	1600	
SNL-118	1.187	1-3/16	30.15	1.135				.026		1.120	-.031		.042	.125		.125
SNL-125	1.250	1-1/4	31.75	1.194			.028	1.179		.042		.125		.125	.281	1800
SNL-131	1.312	1-5/16	33.32	1.252				.030		1.232		.042		.125		.125
SNL-137	1.375	1-3/8	34.93	1.309	±.004	+.003	.033	1.289		.042	.125		.125	.281	2010	
SNL-143	1.437	1-7/16	36.50	1.369				.034		1.349			.042	.125		.125
SNL-150	1.500	1-1/2	38.10	1.430		-.000	.035	1.410		.042	.125		.125	.281	2260	
SNL-162	1.625	1-5/8	41.28	1.545				.040		1.520			.042	.156		.156
SNL-168	1.687	1 -11/16	42.85	1.607			.040	1.582	+ .000	.042		.156	±.005	.156		.437
SNL-175	1.750	1-3/4	44.45	1.670				.040		1.645	-.062	.042		.156		.156
SNL-193	1.937	1-15/16	49.20	1.857			.040	1.832		.042		.156		.156	.437	3100
SNL-200	2.000	2	50.80	1.920				.040		1.895		.042		.156		.156
SNL-218	2.187	2-3/16	55.55	2.107			.040	2.082		.042		.156		.156		.437
SNL-225	2.250	2-1/4	57.15	2.170				.040		2.145		.042		.156		.156
SNL-237	2.375	2-3/8	60.33	2.295			.040	2.270		.042		.156		.156		.437
SNL-250	2.500	2-1/2	63.50	2.420				.040		2.390		.042		.156		.156
SNL-275	2.750	2-3/4	69.85	2.626			.062	2.596		.062		.187		.156		.468
SNL-293	2.937	2-15/16	74.60	2.813			±.006			.062	2.783	+ .000		.062	.187	
SNL-300	3.000	3	76.20	2.876		.062			2.846	-.078	.062		.187		.156	
SNL-312	3.125	3-1/8	79.38	3.000		+.004	.062	2.965			.062	.187			.156	.468
SNL-325	3.250	3-1/4	82.55	3.125				.062		3.090		.062		.187		.156
SNL-337	3.375	3-3/8	85.73	3.250		-.000	.062	3.215		.062		.187		.156		.468
SNL-350	3.500	3-1/2	88.90	3.375				.062		3.340		.062		.187		.156
SNL-375	3.750	3-3/4	95.25	3.610			.070	3.570		.078		.218		.187		.562
SNL-400	4.000	4	101.60	3.860				.086		.070	3.820	+ .000		.078	.218	
SNL-425	4.250	4-1/4	107.95	4.110		+.005	.070	4.070	-.093	.078	.218			.187	.562	
SNL-450	4.500	4-1/2	114.30	4.360				.070		4.320		.078		.218		.187
SNL-475	4.750	4-3/4	120.65	4.610		-.000	.070	4.560		.078		.218		.187		.562
SNL-500	5.000	5	127.00	4.860				.070		4.800		.078		.218		.187
SNL-550	5.500	5-1/2	139.70	5.340			.103	.080	5.280			.093	.250			.218
SNL-600	6.000	6	152.40	5.840			±.008	+.005	.080		5.775	- .125	.093		.250	
SNL-650	6.500	6-1/2	165.10	6.340		.080			6.270		.093		.250		.218	
SNL-700	7.000	7	177.80	6.840		.080	6.765		.093		.250		.218		.750	6100
SNL-750	7.500	7-1/2	190.50	7.320		.120	.090		7.245	+ .000	.109		.281		.218	.812
SNL-800	8.000	8	203.24	7.820				+.005 -.000'	.090		7.740	-.156	.109		.281	

Hardness: All Ring Sizes - HRC 42-52