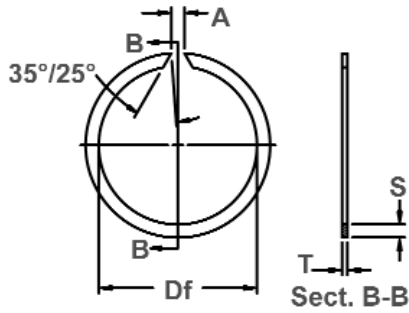


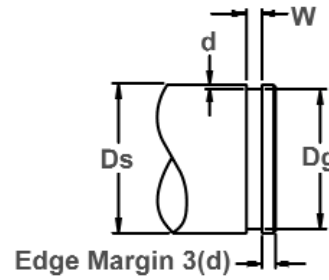
# Snap Ring, External, Inch

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	±.002	.039	.013	.465	+.000	.035	.048	±.003	.062	.218	460
SNL-62	.625	5/8	15.88	.597											
SNL-75	.750	3/4	19.05	.716	±.003	.021	.823	.704	.042	.078	.062	.218	900		
SNL-87	.875	7/8	22.23	.833										±.004	.023
SNL-100	1.000	1	25.40	.954	±.004	.024	1.065	.042	.125	.125	.125	.281	1600		
SNL-112	1.125	1-1/8	25.58	1.077										±.004	.026
SNL-118	1.187	1-3/16	30.15	1.135	±.004	.028	1.179	-.031	.042	.125	.125	.125	.281		
SNL-125	1.250	1-1/4	31.75	1.194										±.004	.030
SNL-131	1.312	1-5/16	33.32	1.252	±.004	.033	1.289	.042	.125	.125	.125	.281	2010		
SNL-137	1.375	1-3/8	34.93	1.309										±.004	.034
SNL-143	1.437	1-7/16	36.50	1.369	±.004	.035	1.410	.042	.125	.125	.125	.281	2260		
SNL-150	1.500	1-1/2	38.10	1.430										±.004	.040
SNL-162	1.625	1-5/8	41.28	1.545	±.004	.040	1.582	.042	.156	.156	.156	.437	2900		
SNL-168	1.687	1 -11/16	42.85	1.607										±.004	.040
SNL-175	1.750	1-3/4	44.45	1.670	±.004	.040	1.832	+.000	.042	.156	.156	.437	3100		
SNL-193	1.937	1-15/16	49.20	1.857										±.004	.040
SNL-200	2.000	2	50.80	1.920	±.004	.040	2.082	.042	.156	.156	.156	.437	3400		
SNL-218	2.187	2-3/16	55.55	2.107										±.004	.040
SNL-225	2.250	2-1/4	57.15	2.170	±.004	.040	2.270	.042	.156	.156	.156	.437	3600		
SNL-237	2.375	2-3/8	60.33	2.295										±.004	.040
SNL-250	2.500	2-1/2	63.50	2.420	±.004	.062	2.596	.062	.187	.187	.156	.468	5790		
SNL-275	2.750	2-3/4	69.85	2.626										±.006	.062
SNL-293	2.937	2-15/16	74.60	2.813	±.006	.068	2.846	+.000	.062	.187	.156	.468	6250		
SNL-300	3.000	3	76.20	2.876										±.006	+.004
SNL-312	3.125	3-1/8	79.38	3.000	±.006	-.000	.062	3.090	.062	.187	.156	.468	6500		
SNL-325	3.250	3-1/4	82.55	3.125										±.006	.062
SNL-337	3.375	3-3/8	85.73	3.250	±.006	.062	3.340	.062	.187	.187	.156	.468	6700		
SNL-350	3.500	3-1/2	88.90	3.375										±.006	.070
SNL-375	3.750	3-3/4	95.25	3.610	±.006	.086	.070	3.820	.078	.218	.187	.562	9000		
SNL-400	4.000	4	101.60	3.860										±.006	+.005
SNL-425	4.250	4-1/4	107.95	4.110	±.006	-.000	.070	4.320	-.093	.078	.218	.187	.562		
SNL-450	4.500	4-1/2	114.30	4.360										±.006	.070
SNL-475	4.750	4-3/4	120.65	4.610	±.006	.070	4.800	.078	.218	.218	.187	.562	9000		
SNL-500	5.000	5	127.00	4.860										±.008	.103
SNL-550	5.500	5-1/2	139.70	5.340	±.008	+.005	.080	5.775	+.000	.093	.250	.218	.750		
SNL-600	6.000	6	152.40	5.840										±.008	-.000
SNL-650	6.500	6-1/2	165.10	6.340	±.008	.120	.080	6.765	.093	.250	.218	.750	6100		
SNL-700	7.000	7	177.80	6.840										±.008	.120
SNL-750	7.500	7-1/2	190.50	7.320	±.008	+.005	.090	7.740	-.156	.109	.281	.218	.812		
SNL-800	8.000	8	203.24	7.820										±.008	-.000'

Hardness: All Ring Sizes - HRC 42-52

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



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