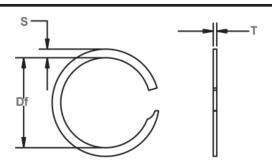
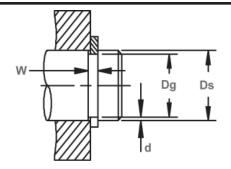
External, Light DutyThese single-turn snap rings are ideal for light duty applications.

CL Spiral Shaft Rings





Free Diameter & Ring Measurements

Shaft Diameter & Groove Dimensions

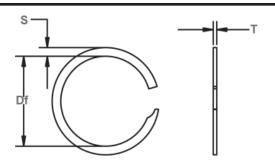
RING	SHAFT		GI	ROOVE SIZI	F				RING	SIZE	THURST LOAD (Ibs.)		R.P.M.		
NO.	DIAMETER	DIAMETER		WIDTH DEPTH			FREE					TION	RING	GROOVE	LIMITS
							DIAN	METER					Safety	Safety	Standard
	(In.)												factor of	factor of	Material
	Ds	Dg	Tol.	W	Tol.	d	Df	Tol.	Т	Tol.	S	Tol.	3	2	(Carbon Steel)
CL-25*	.250	.238		.015		.006	.236		.012		.020		481	106	45227
CL-31*	.312	.297	+.002	.018	+.002	.008	.294	+.000 010 +.000/012	.015	+.0015	.025	+.004 004	750	165	39946
CL-37*	.375	.351		.018		.012	.348		.015		.025		901	318	31161
CL-43	.437	.413		.018		.012	.410		.015		.035		1050	371	24067
CL-50	.500	.472		.022		.014	.467		.018		.045		1300	500	28030
CL-56	.562	.534		.022		.014	.529	1	.018		.045		1460	560	21060
CL-62	.625	.597		.022		.014	.591	+.000 013 +.000 015	.018		.045		1630	620	17850
CL-68	.687	.659		.022		.014	.652		.018		.045		1790	680	15340
CL-75	.750	.722		.022		.014	.715		.018		.045		1950	740	12350
CL-81	.812	.770		.026		.021	.762		.021		.065		2460	1210	15380
CL-87	.875	.833	+.003	.026		.021	.825		.021	0015	.065		2660	1300	12800
CL-93	.937	.895	003	.026		.021	.886		.021		.065		2840	1390	11500
CL-100	1.000	.958		.026		.021	.949		.021		.065		3040	1480	9800
CL-106	1.062	1.018		.031		.022	1.008		.025		.088		3500	1650	11490
CL-112	1.125	1.081	1 1	.031		.022	1.071		.025		.088		3710	1750	9990
CL-118	1.187	1.143]	.031		.022	1.132		.025		.088		3920	1850	9220
CL-125	1.250	1.206	+.004	.031		.022	1.194		.025		.088		4120	1940	8500
CL-131	1.312	1.268	004	.031		.022	1.255		.025		.088		4330	2040	7880
CL-137	1.375	1.331		.031		.022	1.318		.025		.088		4540	2140	7030
CL-143	1.437	1.393		.031		.022	1.379		.025		.088		4740	2240	6560
CL-150	1.500	1.456		.031		.022	1.442		.025		.088		4950	2330	5900
CL-156	1.562	1.505		.039		.029	1.488		.031		.118		6390	3200	7720
CL-162	1.625	1.568]	.039		.029	1.550		.031		.118		6650	3330	7220
CL-168	1.687	1.630]	.039		.029	1.612		.031		.118		6900	3460	6590
CL-175	1.750	1.693	+.005	.039		.029	1.674	+.000	.031		.118		7160	3590	6200
CL-181	1.812	1.755	005	.039		.029	1.736	020	.031		.118		7410	3710	5700
CL-187	1.875	1.818		.039		.029	1.798		.031		.118		7670	3840	5380
CL-193	1.937	1.880		.039		.029	1.859		.031		.118		7920	3970	5100
CL-200	2.000	1.943		.039		.029	1.922		.031		.118		8180	4100	4720
CL-206	2.062	1.986		.039	+.003	.038	1.963		.031		.158		8430	5540	5970
CL-212	2.125	2.049		.039		.038	2.026		.031		.158		8690	5710	5550
CL-218	2.187	2.111	174 236 299 361 424 486 549 006 611 674 736 799 861 924 970	.039		.038	2.087		.031		.158		8950	5870	5290
CL-225	2.250	2.174		.039		.038	2.149		.031	+.002	.158		9200	6040	5050
CL-231	2.312	2.236		.039		.038	2.211		.031	002	.158		9460	6210	4720
CL-237	2.375	2.299		.039		.038	2.273		.031		.158		9720	6380	4520
CL-243	2.437	2.361		.039		.038	2.335	+.000	.031		.158		9970	6550	4240
CL-250	2.500	2.424		.039		.038	2.397	025	.031		.158		10230	6720	4063
CL-256	2.562	2.486		.039		.038	2.458		.031		.158		10480	6880	3900
CL-262	2.625	2.549		.039		.038	2.521		.031		.158		10740	7050	3680
CL-268	2.687	2.611		.039		.038	2.582		.031		.158		10990	7220	3540
CL-275	2.750	2.674		.039		.038	2.644		.031		.158		11250	7390	3400
CL-281	2.812	2.736		.039		.038	2.706		.031		.158		11500	7550	3220
CL-287	2.875	2.799		.039		.038	2.768		.031		.158		11760	7720	3100
CL-293	2.937	2.861		.039		.038	2.830		.031		.158		12010	7890	2940
CL-300	3.000	2.924		.039		.038	2.892	. 000	.031		.158		12270	8060	2840
CL-306	3.062	2.970		.044	-	.046	2.938	+.000	.039		.188	+.005	15760	9960	3670
CL-312	3.125	3.033		.044		.046	3.001	030	.039		.188	005	16080	10160	3030

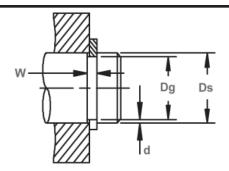
^{*} No Removal Notch.

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Free Diameter & Ring Measurements

Shaft Diameter & Groove Dimensions

RING	SHAFT		GF			RING	SIZE	THRUST L	R.P.M.						
NO.	DIAMETER	DIAMETER		ROOVE SIZE WIDTH		DEPTH	FREE		THICKNESS SECTION			TION	RING	GROOVE	LIMITS
							DIAMETER						Safety	Safety	Standard
	(In.)												factor of	factor of	Material
	Ds	Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.	3	2	(Carbon Steel)
CL-318	3.187	3.095		.044		.046	3.062		.039		.188		16400	10360	2930
CL-325	3.250	3.158		.044		.046	3.125		.039		.188		16720	10570	2790
CL-331	3.312	3.220		.044		.046	3.186		.039		.188		17040	10770	2700
CL-337	3.375	3.283		.044		.046	3.248		.039		.188		17370	10970	2630
CL-343 CL-350	3.437 3.500	3.345 3.408	+.006	.044	+.003	.046	3.310 3.372	+.000	.039		.188		17690 18010	11180 11380	3500 2440
CL-356	3.562	3.406	006	.044	000	.046	3.433	030	.039		.188		18330	11580	2370
CL-362	3.625	3.533	000	.044		.046	3.496	030	.039		.188	1 1	18650	11790	2270
CL-368	3.687	3.595		.044		.046	3.557	1 1	.039		.188	1 1	18970	11990	2210
CL-375	3.750	3.658		.044		.046	3.620	1 1	.039		.188	1 1	19300	12190	2120
CL-381	3.812	3.720		.044		.046	3.681	1 1	.039		.188	1 1	19620	12400	2060
CL-387	3.875	3.783		.044		.046	3.743	1	.039		.188	1 1	19940	12600	2010
CL-393	3.937	3.845		.044		.046	3.805	1	.039		.188	1 1	20260	12800	1930
CL-400	4.000	3.908		.044		.046	3.867		.039		.188	+.005	20580	13010	1880
CL-412	4.125	4.015		.052		.055	3.973		.046		.225	005	23850	16040	2090
CL-425	4.250	4.140		.052		.055	4.097		.046		.225]	24570	16520	1960
CL-437	4.375	4.265		.052		.055	4.221		.046		.225		25290	17010	1850
CL-450	4.500	4.390		.052		.055	4.345	+.000	.046		.225		26010	17500	1750
CL-462	4.625	4.515		.052		.055	4.468	035	.046		.225		26740	17980	1670
CL-475	4.750	4.640	. 007	.052		.055	4.592		.046	+.002	.225		27460	18470	1580
CL-487 CL-500	4.875 5.000	4.765 4.890	+.007 007	.052		.055	4.715 4.839		.046	002	.225		28180 28900	18950 19440	1520 1440
CL-500	5.250	5.119	007	.052	+.004	.066	5.067		.040		.225		40240	24490	1310
CL-520	5.500	5.363		.067	000	.069	5.309		.061		.225	1 1	42160	26830	1190
CL-575	5.750	5.606		.067	000	.072	5.550	1 1	.061		.225	1 1	44080	29260	1090
CL-600	6.000	5.850		.067		.075	5.792	+.000	.061		.225	1 1	45990	31810	1000
CL-625	6.250	6.094		.067		.078	6.033	045	.061		.265	1 1	47910	34460	1 1
CL-650	6.500	6.338		.067		.081	6.275	1	.061		.265	1 1	49830	37220	1
CL-675	6.750	6.581		.067		.085	6.515	1 1	.061		.265	1 1	51740	40560	1
CL-700	7.000	6.825		.067		.088	6.757]	.061		.265		53660	43540	CONTACT
CL-725	7.250	7.069		.067		.091	6.998		.061		.300		55580	46640	FACTORY
CL-750	7.500	7.313		.067		.094	7.240		.061		.300		57490	49830	REGARDING
CL-775	7.750	7.556	+.008	.067		.097	7.480		.061		.300		59410	53140	MAX RPM
CL-800	8.000	7.800	008	.067		.100	7.722	+.000	.061		.300		61320	56550	LIMITS FOR
CL-825	8.250	8.044		.082		.103	7.964	060	.076		.345		78790	60070	LARGER
CL-850	8.500	8.288		.082		.106	8.205		.076		.345	+.004	81180	63690	DIAMETER
CL-875	8.750	8.531		.082	. 005	.110	8.446		.076		.345	008	83570	68040	
CL-900 CL-925	9.000 9.250	8.775 9.019		.082	+.005 005	.113 .116	8.687 8.929	+.000	.076 .076		.345 .345		85950 88340	71890 75850	RINGS
CL-925 CL-950	9.250	9.019		.082	003	.119	9.170	070	.076		.345		90730	79910	
CL-950 CL-975	9.750	9.203		.082		.122	9.170	070	.076		.345		93120	84080	
CL-975	10.000	9.750		.082		.125	9.653		.076		.345		95500	88360	
CL-1000	10.000	9.750		.082		.125	9.003		.070		.345		95500	00000	