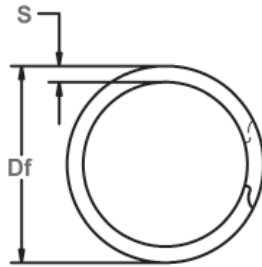


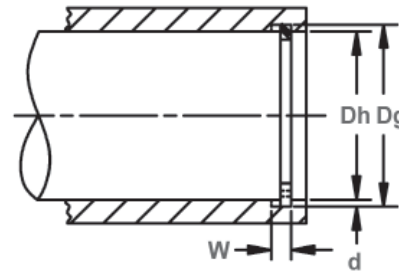


# KG Spiral Housing Rings

**Internal, Heavy Duty**  
 These 2-turn rings provide 360° groove contact  
 and are ideal for applications  
 with high thrust loads.



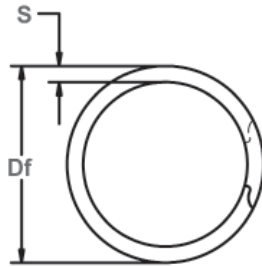
Free Diameter & Ring Measurements



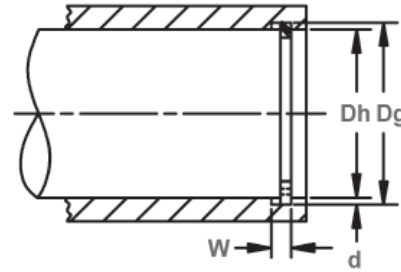
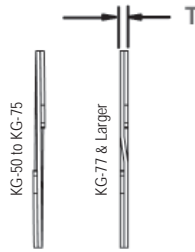
Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER		GROOVE SIZE				FREE DIAMETER			RING SIZE THICKNESS		SECTION		THRUST LOAD (lbs.)	
	(In.)		DIAMETER		WIDTH		DEPTH		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2	
	Dh	Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.			
KG-25*	.250	.268		.020		.009	.270		.015		.020		561	159	
KG-31*	.312	.330		.020		.009	.333	+.010	.015		.025		700	198	
KG-37*	.375	.397		.029		.011	.400	-.000	.025		.030		1442	292	
KG-43	.437	.461		.029		.012	.464	+.012/-.000	.025		.035		1680	371	
KG-50	.500	.530	+.002	.039		.015	.538		.035		.045		2530	530	
KG-51	.512	.542	-.002	.039		.015	.550		.035		.045		2590	540	
KG-56	.562	.596		.039		.017	.605		.035		.055		2840	680	
KG-62	.625	.665		.039	+.003	.020	.675		.035		.055		3160	880	
KG-68	.688	.732		.039	-.000	.022	.743		.035		.065		3480	1070	
KG-75	.750	.796		.039		.023	.807		.035		.065		3790	1220	
KG-77	.777	.825		.046		.024	.836		.042		.075		4720	1320	
KG-81	.812	.862		.046		.025	.873		.042		.075		4930	1440	
KG-86	.866	.920		.046		.027	.931		.042	+.002	.075		5260	1650	
KG-87	.875	.931	+.003	.046		.028	.943	+.013	.042	-.002	.085		5310	1730	
KG-90	.901	.959	-.003	.046		.029	.972	-.000	.042		.085		5470	1850	
KG-93	.938	1.000		.046		.031	1.013		.042		.085	+.003	5690	2060	
KG-100	1.000	1.066		.046		.033	1.080		.042		.085	-.005	6070	2330	
KG-102	1.023	1.091		.046		.034	1.105		.042		.085		6210	2460	
KG-106	1.062	1.130		.056		.034	1.138		.050		.103		7010	2550	
KG-112	1.125	1.197		.056		.036	1.205		.050		.103		7420	2860	
KG-118	1.188	1.262		.056		.037	1.271		.050		.103		7840	3110	
KG-125	1.250	1.330	+.004	.056		.040	1.339		.050		.103		8250	3530	
KG-131	1.312	1.396	-.004	.056		.042	1.406		.050		.118		8660	3900	
KG-137	1.375	1.461		.056	+.004	.043	1.471		.050		.118		9070	4180	
KG-143	1.439	1.528		.056	-.000	.045	1.539		.050		.118		9490	4580	
KG-145	1.456	1.548		.056		.046	1.559		.050		.118		9610	4730	
KG-150	1.500	1.594		.056		.047	1.605		.050		.118		9900	4980	
KG-156	1.562	1.658		.068		.048	1.675		.062		.128		12780	5300	
KG-162	1.625	1.725	+.005	.068		.050	1.742	+.020	.062	+.003	.128		13290	5740	
KG-165	1.653	1.755	-.005	.068		.051	1.772	-.000	.062	-.003	.128		13520	5960	
KG-168	1.688	1.792		.068		.052	1.810		.062		.128		13810	6210	
KG-175	1.750	1.858		.068		.054	1.876		.062		.128		14320	6680	

\* No Removal Notch.



Free Diameter & Ring Measurements



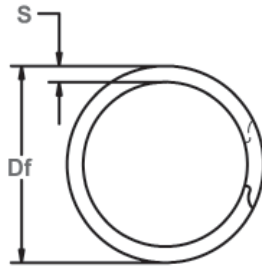
Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER		GROOVE SIZE				FREE DIAMETER		RING SIZE		SECTION		THRUST LOAD (lbs.)	
			DIAMETER		WIDTH				DEPTH	THICKNESS			RING Safety factor of 3	GROOVE Safety factor of 2
	(In.)	Dh	Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.	
KG-181	1.812	1.922		.068		.055	1.940		.062		.128		14820	7050
KG-185	1.850	1.962	+.005	.068	+.004	.056	1.981	+.020	.062		.158	+.003	15130	7320
KG-187	1.875	1.989	-.005	.068	-.000	.057	2.008	-.000	.062		.158	-.005	15340	7560
KG-193	1.938	2.056		.068		.059	2.075		.062		.158		15850	8080
KG-200	2.000	2.122		.068		.061	2.142		.062		.158		16360	8620
KG-206	2.062	2.186		.086		.062	2.201		.078		.168		21220	9040
KG-212	2.125	2.251		.086		.063	2.267		.078		.168		21870	9460
KG-218	2.188	2.318		.086		.065	2.334		.078		.168		22520	10050
KG-225	2.250	2.382		.086		.066	2.399		.078		.168		23160	10500
KG-231	2.312	2.450		.086		.069	2.467	+.025	.078		.200		23800	11280
KG-237	2.375	2.517		.086		.071	2.535	-.000	.078		.200		24440	11920
KG-244	2.440	2.584		.086		.072	2.602		.078	+.003	.200		25110	12420
KG-250	2.500	2.648		.086		.074	2.667		.078	-.003	.200		25730	13080
KG-253	2.531	2.681		.086		.075	2.700		.078		.200		26050	13420
KG-256	2.562	2.714	+.006	.103	+.005	.076	2.733		.093		.225		29940	13760
KG-262	2.625	2.781	-.006	.103	-.000	.078	2.801		.093		.225		30680	14470
KG-268	2.688	2.848		.103		.080	2.868		.093		.225	+.004	31410	15200
KG-275	2.750	2.914		.103		.082	2.934	+.030	.093		.225	-.006	32140	15940
KG-281	2.813	2.980		.103		.084	3.001	-.000	.093		.225		32880	16700
KG-283	2.834	3.006		.103		.086	3.027		.093		.225		33120	17230
KG-287	2.875	3.051		.103		.088	3.072		.093		.225		33600	17880
KG-300	3.000	3.182		.103		.091	3.204		.093		.225		35060	18300
KG-306	3.062	3.248		.120		.093	3.271		.111		.281		42710	20130
KG-312	3.125	3.315		.120		.095	3.338		.111		.281		43590	20990
KG-315	3.157	3.348		.120		.096	3.371	+.035	.111		.281		44040	21420
KG-325	3.250	3.446		.120		.098	3.470	-.000	.111		.281		45330	22510
KG-334	3.346	3.546		.120		.100	3.571		.111		.281		46670	23650
KG-347	3.464	3.675		.120		.105	3.701		.111		.281		48320	25710

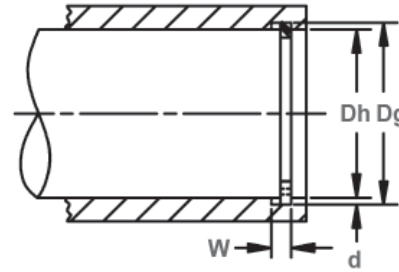


# KG Spiral Housing Rings

**Internal, Heavy Duty**  
 These 2-turn rings provide 360° groove contact  
 and are ideal for applications  
 with high thrust loads.

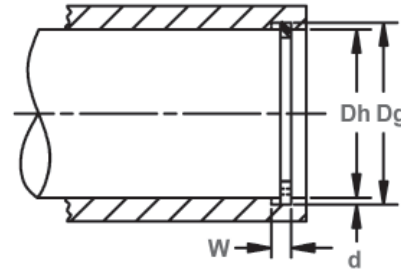
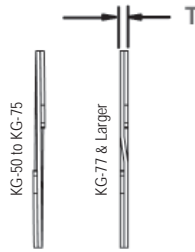
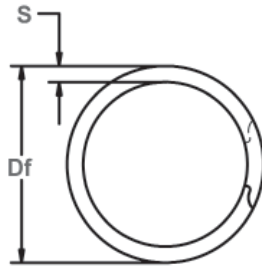


Free Diameter & Ring Measurements



Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER (In.)	GROOVE SIZE					RING SIZE				THURST LOAD (lbs.)			
		DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
		Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.		
KG-350	3.500	3.710		.120		.105	3.736		.111		.281		48820	25980
KG-354	3.543	3.755		.120		.106	3.781		.111		.281		49420	26550
KG-356	3.562	3.776		.120		.107	3.802		.111		.281		49690	26940
KG-362	3.625	3.841		.120		.108	3.868		.111		.281		50560	27670
KG-375	3.750	3.974		.120		.112	4.002		.111		.312		52310	29690
KG-387	3.875	4.107		.120		.116	4.136		.111		.312		54050	31770
KG-393	3.938	4.174		.120		.118	4.203		.111		.312		54930	32850
KG-400	4.000	4.240		.120		.120	4.270		.111		.312		55800	33930
KG-412	4.125	4.365		.120		.120	4.369		.111		.312		57540	34990
KG-425	4.250	4.490		.120		.120	4.501		.111		.312		59280	36050
KG-433	4.330	4.570		.120		.120	4.588		.111		.312		60400	36730
KG-450	4.500	4.740		.120		.120	4.770		.111		.312		62770	38170
KG-462	4.625	4.865		.120		.120	4.899		.111		.312		64510	39230
KG-475	4.750	4.995		.120		.123	5.030		.111		.312		66260	41300
KG-500	5.000	5.260		.120		.130	5.297		.111		.312		69740	45950
KG-525	5.250	5.520		.139		.135	5.559		.127		.350		83790	50100
KG-537	5.375	5.645		.139		.135	5.690		.127		.350		85780	51290
KG-550	5.500	5.770		.139		.135	5.810		.127		.350		87780	52480
KG-575	5.750	6.020		.139		.135	6.062		.127		.350		91770	54870
KG-600	6.000	6.270		.139		.135	6.314		.127		.350		95760	57260
KG-625	6.250	6.530		.174		.140	6.576		.156		.380		122520	61850
KG-650	6.500	6.790		.174		.145	6.838		.156		.380		127420	66620
KG-662	6.625	6.925		.174		.150	6.974		.156		.380		129870	70240
KG-675	6.750	7.055		.174		.153	7.105		.156		.380		132320	73000
KG-700	7.000	7.315		.174		.158	7.366		.156		.380		137230	78180
KG-725	7.250	7.575		.209		.163	7.628		.187		.418		170370	83530
KG-750	7.500	7.840		.209		.170	7.895		.187		.418		176240	90120
KG-775	7.750	8.100		.209		.175	8.157		.187		.418		182120	95870



Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER		GROOVE SIZE				FREE DIAMETER			RING SIZE THICKNESS		SECTION		THRUST LOAD (lbs.)													
			DIAMETER		WIDTH									DEPTH	RING Safety factor of 3	GROOVE Safety factor of 2											
	(In.)																										
KG-800	8.000	8.360												187990	101790												
KG-825	8.250	8.620	+ .008 - .008	.209	.209	.180	8.419	+ .070	.187	.187	.418	+ .004 - .008															
KG-850	8.500	8.880																								193870	107880
KG-875	8.750	9.145																								199740	114160
KG-900	9.000	9.405																								205620	122460
KG-925	9.250	9.669																								211490	129140
KG-950	9.500	9.930																								217370	137310
KG-975	9.750	10.189																								223240	144380
KG-1000	10.000	10.450																								229120	150620
KG-1025	10.250	10.711																								234990	159040
KG-1050	10.500	10.970																								240870	167370
KG-1075	10.750	11.234	+ .010 - .010	.209	.209	.215	10.000	+ .120	.187	.187	.500	+ .005 - .015															
KG-1100	11.000	11.495																								246740	174420
KG-1125	11.250	11.756																								252620	183890
KG-1150	11.500	12.018																								258490	192830
KG-1175	11.750	12.279																								264370	201190
KG-1200	12.000	12.540																								270240	210540
KG-1225	12.250	12.801																								276120	220100
KG-1250	12.500	13.063																								281990	229020
KG-1275	12.750	13.324																								287860	238990
KG-1300	13.000	13.585														+ .012 - .012	.209	.209	.210	9.737	+ .140	.187	.187	.500			
KG-1325	13.250	13.846											293740	249170													
KG-1350	13.500	14.108											299610	258660													
KG-1375	13.750	14.369											305490	269240													
KG-1400	14.000	14.630											311360	279100													
KG-1425	14.250	14.891											317240	290100													
KG-1450	14.500	15.153											323110	301300													
KG-1475	14.750	15.414											328990	311730													
KG-1500	15.000	15.675											334860	323340													
													340740	335160													
													346610	346150													
													352490	358380													