

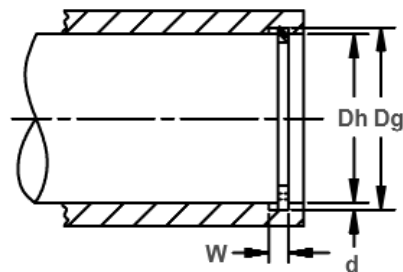
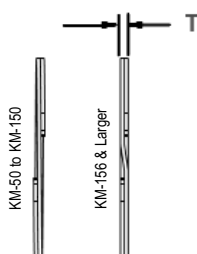
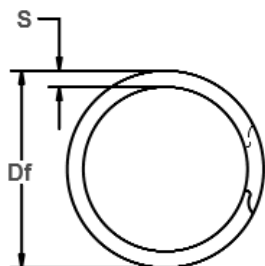


KM Spiral Housing Rings

Internal, Medium Duty

These rings offer the greatest economy in price and size.

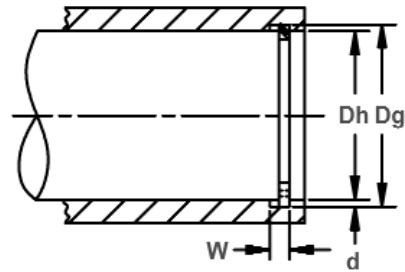
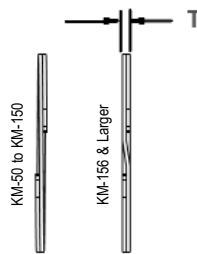
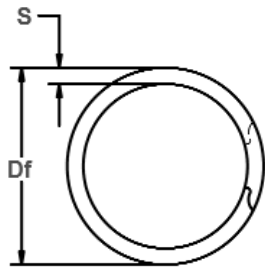
They are able to handle approximately twice the thrust capacity of the KL series, and to be produced to military specifications if needed.



Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER (In.)	GROOVE SIZE						RING SIZE						THRUST LOAD (lbs.)	
		DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2	
		Dh	Dg	Tol.	W		Tol.	d	Df	Tol.	T	Tol.			S
KM-50	.500	.526	+.002 -.002	.030	+.003 -.000	.013	.532	+.013 -.000	.025	+.002 -.002	.045	±.004	2000	460	
KM-51	.512	.538		.030		.013	.544		.025		.045		2050	470	
KM-53	.531	.557		.030		.013	.564		.025		.045		2130	490	
KM-56	.562	.588		.030		.013	.594		.025		.045		2250	520	
KM-59	.594	.619		.030		.013	.626		.025		.045		2380	550	
KM-62	.625	.651		.030		.013	.658		.025		.045		2500	570	
KM-65	.656	.682		.030		.013	.689		.025		.045		2630	600	
KM-68	.687	.713		.030		.013	.720		.025		.045		2750	630	
KM-71	.718	.744	+.003 -.003	.030	+.003 -.000	.013	.751	+.013 -.000	.025	+.002 -.002	.045	±.004	2870	660	
KM-75	.750	.782		.036		.016	.790		.031		.065		3360	850	
KM-77	.777	.808		.036		.016	.817		.031		.065		3480	880	
KM-78	.781	.812		.036		.016	.821		.031		.065		3500	880	
KM-81	.812	.843		.036		.016	.853		.031		.065		3640	920	
KM-84	.843	.880		.036		.019	.889		.031		.065		3780	1130	
KM-86	.866	.903		.036		.019	.913		.031		.065		3880	1160	
KM-87	.875	.912		.036		.019	.922		.031		.065		3920	1180	
KM-90	.906	.943	+.003 -.003	.036	+.003 -.000	.019	.953	+.013 -.000	.031	+.002 -.002	.065	±.004	4060	1220	
KM-93	.938	.975		.036		.019	.986		.031		.065		4200	1260	
KM-96	.968	1.011		.042		.021	1.022		.037		.075		5180	1440	
KM-98	.987	1.030		.042		.021	1.041		.037		.075		5280	1470	
KM-100	1.000	1.043		.042		.021	1.054		.037		.075		5350	1480	
KM-102	1.023	1.066		.042		.021	1.078		.037		.075		5470	1520	
KM-103	1.031	1.074		.042		.021	1.084		.037		.075		5510	1530	
KM-106	1.062	1.104		.042		.021	1.117		.037		.075		5680	1580	
KM-109	1.093	1.135	+.004 -.004	.042	+.004 -.000	.021	1.147	+.015 -.000	.037	+.002 -.002	.075	±.004	5840	1620	
KM-112	1.125	1.167		.042		.021	1.180		.037		.075		6020	1670	
KM-115	1.156	1.198		.042		.021	1.210		.037		.075		6180	1720	
KM-118	1.188	1.236		.048		.024	1.249		.043		.085		7380	2020	
KM-121	1.218	1.266		.048		.024	1.278		.043		.085		7570	2070	
KM-125	1.250	1.298		.048		.024	1.312		.043		.085		7770	2120	
KM-128	1.281	1.329		.048		.024	1.342		.043		.085		7960	2170	
KM-131	1.312	1.360		.048		.024	1.374		.043		.085		8150	2230	
KM-134	1.343	1.395	+.004 -.004	.048	+.004 -.000	.026	1.408	+.015 -.000	.043	+.002 -.002	.085	±.004	8350	2470	
KM-137	1.375	1.427		.048		.026	1.442		.043		.095		8540	2530	
KM-140	1.406	1.458		.048		.026	1.472		.043		.095		8740	2580	
KM-143	1.437	1.489		.048		.026	1.504		.043		.095		8930	2640	
KM-145	1.456	1.508		.048		.026	1.523		.043		.095		9050	2680	
KM-146	1.468	1.520		.048		.026	1.535		.043		.095		9120	2700	
KM-150	1.500	1.552		.048		.026	1.567		.043		.095		9320	2760	



Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER (In.)	GROOVE SIZE					RING SIZE					THRUST 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		
KM-156	1.562	1.617	+.005 -.005	.056	+.004 -.000	.028	1.634	+.020 -.000	.049	+.003 -.003	.108	10100	3090
KM-157	1.574	1.633		.056		.030	1.649		.049		.108	10180	3340
KM-162	1.625	1.684		.056		.030	1.701		.049		.108	10510	3350
KM-165	1.653	1.712		.056		.030	1.730		.049		.108	10690	3510
KM-168	1.687	1.750		.056		.031	1.768		.049		.118	10910	3700
KM-175	1.750	1.813		.056		.031	1.834		.049		.118	11310	3840
KM-181	1.813	1.875		.056		.031	1.894		.049		.118	11720	3970
KM-185	1.850	1.917		.056		.034	1.937		.049		.118	11960	4450
KM-187	1.875	1.942		.056		.034	1.960		.049		.118	12120	4510
KM-193	1.938	2.005		.056		.034	2.025		.049		.118	12530	4660
KM-200	2.000	2.071	+.006 -.006	.056	+.005 -.000	.035	2.091	+.025 -.000	.049	+.003 -.003	.128	12930	4950
KM-204	2.047	2.118		.056		.035	2.138		.049		.128	18240	5060
KM-206	2.062	2.132		.056		.035	2.154		.049		.128	13330	5100
KM-212	2.125	2.195		.056		.035	2.217		.049		.128	13740	5260
KM-216	2.165	2.239		.056		.037	2.260		.049		.138	14000	5660
KM-218	2.188	2.262		.056		.037	2.284		.049		.138	14150	5720
KM-225	2.250	2.324		.056		.037	2.347		.049		.138	14550	5890
KM-231	2.312	2.390		.056		.039	2.413		.049		.138	14950	6370
KM-237	2.375	2.453		.056		.039	2.476		.049		.138	15360	6550
KM-243	2.437	2.519		.056		.041	2.543		.049		.148	15760	7060
KM-244	2.440	2.522	+.005 -.000	.056	+.005 -.000	.041	2.546	+.030 -.000	.049	+.003 -.003	.148	15780	7070
KM-250	2.500	2.582		.056		.041	2.606		.049		.148	16160	7250
KM-253	2.531	2.617		.056		.043	2.641		.049		.148	16360	7690
KM-256	2.562	2.648		.056		.043	2.673		.049		.148	16560	7790
KM-262	2.625	2.711		.056		.043	2.736		.049		.148	16970	7980
KM-267	2.677	2.767		.056		.045	2.789		.049		.158	17310	8520
KM-268	2.688	2.778		.056		.045	2.803		.049		.158	17380	8550
KM-275	2.750	2.841		.056		.045	2.865		.049		.158	17780	8750
KM-281	2.813	2.903		.056		.045	2.929		.049		.158	18190	8950
KM-283	2.834	2.928		.056		.047	2.954		.049		.168	18320	9520
KM-287	2.875	2.969	+.005 -.000	.056	+.005 -.000	.047	2.995	+.030 -.000	.049	+.003 -.003	.168	18590	9550
KM-293	2.937	3.031		.056		.047	3.058		.049		.168	18990	9760
KM-295	2.952	3.046		.056		.047	3.073		.049		.168	19090	9810
KM-300	3.000	3.096		.068		.048	3.122		.061		.168	24150	10180
KM-306	3.062	3.158		.068		.048	3.186		.061		.168	24650	10390
KM-312	3.125	3.223		.068		.048	3.251		.061		.178	25150	10600
KM-314	3.149	3.247		.068		.048	3.276		.061		.178	25350	10680
KM-318	3.187	3.283		.068		.048	3.311		.061		.178	25650	10810
KM-325	3.250	3.350		.068		.050	3.379		.061		.178	26160	11490
KM-331	3.312	3.416		.068		.052	3.446		.061		.188	26660	12170
KM-334	3.346	3.450	+.005 -.000	.068	+.005 -.000	.052	3.479		.061		.188	26930	12300
KM-337	3.375	3.479		.068		.052	3.509		.061		.188	27170	12410

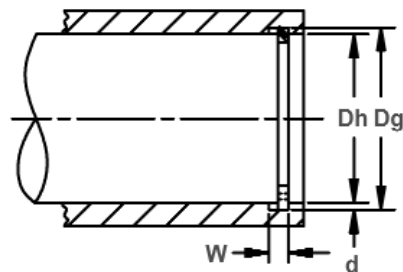
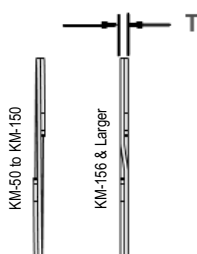
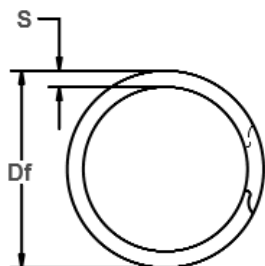


KM Spiral Housing Rings

Internal, Medium Duty

These rings offer the greatest economy in price and size.

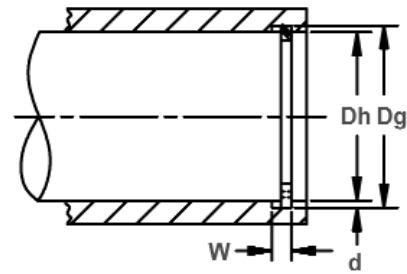
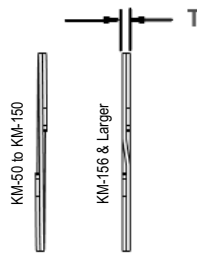
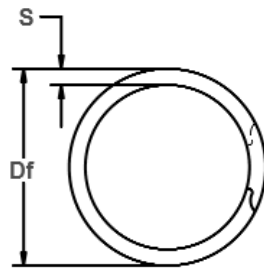
They are able to handle approximately twice the thrust capacity of the KL series, and to be produced to military specifications if needed.



Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER	GROOVE SIZE					RING SIZE						THRUST LOAD (lbs.)	
		DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
	(In.)													
	Dh	Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.		
KM-343	3.437	3.543	+.006 -.006	.068	+.005 -.000	.053	3.574	+.030 -.000	.061	+.003 -.003	.188	±.005	27660	12880
KM-350	3.500	3.606		.068		.053	3.636		.061		.188		28170	13110
KM-354	3.543	3.653		.068		.055	3.684		.061		.198		28520	13770
KM-356	3.562	3.672		.068		.055	3.703		.061		.198		28670	13850
KM-362	3.625	3.737		.068		.056	3.769		.061		.198		29180	14350
KM-368	3.687	3.799		.068		.056	3.832		.061		.198		29680	14600
KM-374	3.740	3.852		.068		.056	3.885		.061		.198		30100	14800
KM-375	3.750	3.862		.068		.056	3.894		.061		.198		30180	14840
KM-381	3.812	3.930		.068		.059	3.963		.061		.208		30680	15900
KM-387	3.875	3.993		.068		.059	4.025		.061		.208		31190	16160
KM-393	3.938	4.056	.068	.059	4.089	.061	.208	31700	16420					
KM-400	4.000	4.124	.068	.062	4.157	.061	.218	32200	17530					
KM-406	4.063	4.187	.068	.062	4.222	.061	.218	32700	17810					
KM-412	4.125	4.249	.068	.062	4.284	.061	.218	33200	18080					
KM-418	4.188	4.311	.068	.062	4.347	.061	.218	33710	18350					
KM-425	4.250	4.380	.068	.065	4.416	.061	.228	34210	19530					
KM-431	4.312	4.442	.068	.065	4.479	.061	.228	34710	19810					
KM-433	4.330	4.460	.068	.065	4.497	.061	.228	34850	19900					
KM-437	4.375	4.505	.068	.065	4.543	.061	.228	35210	20100					
KM-443	4.437	4.573	.068	.068	4.611	.061	.238	35710	21330					
KM-450	4.500	4.636	.068	.068	4.674	.061	.238	36220	21630					
KM-452	4.527	4.663	.068	.068	4.701	.061	.238	36440	21760					
KM-456	4.562	4.698	.068	.068	4.737	.061	.238	36720	21930					
KM-462	4.625	4.765	.079	.070	4.803	.072	.250	43940	22890					
KM-468	4.687	4.827	.079	.070	4.867	.072	.250	44530	23190					
KM-472	4.724	4.864	.079	.070	4.903	.072	.250	44880	23370					
KM-475	4.750	4.890	.079	.070	4.930	.072	.250	45130	23500					
KM-481	4.812	4.952	.079	.070	4.993	.072	.250	45720	23810					
KM-487	4.875	5.015	.079	.070	5.055	.072	.250	46310	24120					
KM-492	4.921	5.061	.079	.070	5.102	.072	.250	46750	24350					
KM-493	4.937	5.081	.079	.072	5.122	.072	.250	46900	25130					
KM-500	5.000	5.144	.079	.072	5.185	.072	.250	47500	25450					
KM-511	5.118	5.262	.079	.072	5.304	.072	.250	48620	26050					
KM-512	5.125	5.269	.079	.072	5.311	.072	.250	48690	26100					
KM-525	5.250	5.393	.079	.072	5.436	.072	.250	49880	26720					
KM-537	5.375	5.522	.079	.074	5.566	.072	.250	51060	28120					
KM-550	5.500	5.647	.079	.074	5.693	.072	.250	52250	28770					
KM-551	5.511	5.658	.079	.074	5.703	.072	.250	52360	28830					
KM-562	5.625	5.772	.079	.074	5.818	.072	.250	53440	29400					
KM-570	5.708	5.861	.079	.077	5.909	.072	.250	54230	31070					
KM-575	5.750	5.903	.079	.077	5.950	.072	.250	54630	31300					



Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER	GROOVE SIZE					RING SIZE						THRUST LOAD (lbs.)	
		DIAMETER		WIDTH		DEPTH	FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
	(In.)													
	Dh	Dg	Tol.	W	Tol.	d	Df	Tol.	T	Tol.	S	Tol.		
KM-587	5.875	6.028	+ .007	.079	+ .005	.077	6.077	+ .045 - .000	.072		.250	± .005	55810	31980
KM-590	5.905	6.058	- .007	.079	- .005	.077	6.106		.072		.250		56100	32140
KM-600	6.000	6.153		.079		.077	6.202		.072		.250		57000	32660
KM-612	6.125	6.297		.094		.086	6.349	+ .055 - .000	.086		.312		69500	37200
KM-625	6.250	6.422		.094		.086	6.474		.086		.312		70920	37990
KM-629	6.299	6.471		.094		.086	6.524		.086		.312		71480	38290
KM-637	6.375	6.547		.094		.086	6.601		.086		.312		72340	38750
KM-650	6.500	6.672		.094		.086	6.726		.086		.312		73760	39510
KM-662	6.625	6.807		.094		.091	6.863		.086		.312		75180	42620
KM-669	6.692	6.874		.094		.091	6.931		.086		.312		75940	43050
KM-675	6.750	6.932		.094		.091	6.987		.086		.312		76600	43420
KM-687	6.875	7.057		.094		.091	7.114		.086		.312		78010	44220
KM-700	7.000	7.182		.094		.091	7.239		.086		.312		79430	45030
KM-708	7.086	7.278		.094		.096	7.337		.086		.312		80410	48080
KM-712	7.125	7.317		.094		.096	7.376		.086		.312		80850	48350
KM-725	7.250	7.442	+ .008 - .008	.094	+ .006 - .006	.096	7.501		.086	+ .004 - .004	.312	± .006	82270	49200
KM-737	7.375	7.567		.094		.096	7.628		.086		.312		83690	50050
KM-748	7.480	7.672		.094		.096	7.734		.086		.312		84880	50760
KM-750	7.500	7.692		.094		.096	7.754		.086		.312		85110	50890
KM-762	7.625	7.827		.094		.101	7.890		.086		.312		86520	54440
KM-775	7.750	7.952		.094		.101	8.014		.086		.312		87940	55330
KM-787	7.875	8.077		.094		.101	8.141		.086		.312		89360	63360
KM-800	8.000	8.202		.094		.101	8.266		.086		.312		90780	57110
KM-825	8.250	8.462		.094		.106	8.528		.086		.375		93620	61820
KM-826	8.267	8.479		.094		.106	8.546		.086		.375		93810	61940
KM-846	8.464	8.676		.094		.106	8.744		.086		.375		96050	63420
KM-850	8.500	8.712		.094		.106	8.780		.086		.375		96450	63690
KM-875	8.750	8.972	.094	.111	9.041	.086	.375	99290	68650					
KM-885	8.858	9.080	.094	.111	9.151	.086	.375	100520	69500					
KM-900	9.000	9.222	.094	.111	9.293	.086	.375	102130	70620					
KM-905	9.055	9.287	.094	.116	9.359	.086	.375	102750	74250					
KM-925	9.250	9.482	.094	.116	9.555	.086	.375	104960	75850					
KM-944	9.448	9.680	.094	.116	9.755	.086	.375	107210	77470					
KM-950	9.500	9.732	.094	.116	9.806	.086	.375	107800	77900					
KM-975	9.750	9.992	.094	.121	10.068	.086	.375	110640	83390					
KM-1000	10.000	10.242	.094	.121	10.320	.086	.375	113470	85530					
KM-1025	10.250	10.502	.094	.126	10.582	.086	.375	116310	91290					
KM-1050	10.500	10.752	.094	.126	10.834	.086	.375	119150	93520					
KM-1075	10.750	11.012	.094	.131	11.095	.086	.375	121990	99540					
KM-1100	11.000	11.262	.094	.131	11.347	.086	.375	124820	101860					