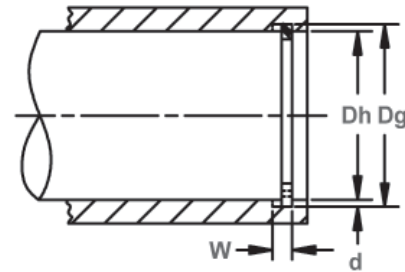
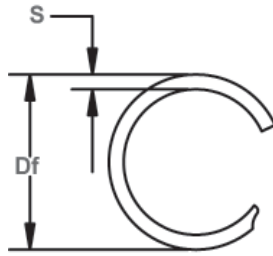


# KLM Spiral Housing Rings

**Internal, Light-Duty, Metric**

These single-turn snap rings are ideal for light duty applications.



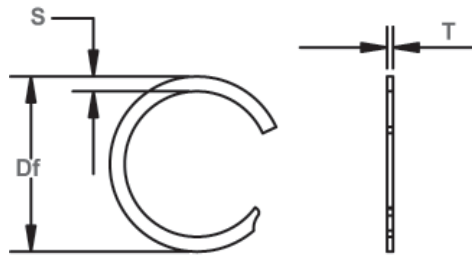
Free Diameter & Ring Measurements

Housing Diameter & Groove Dimensions

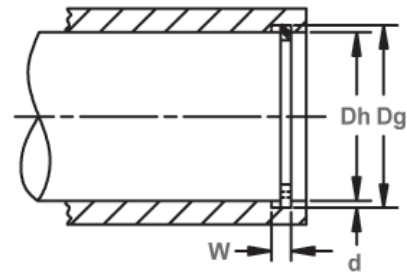
RING NO.	HOUSING DIAMETER (mm)		GROOVE SIZE				RING SIZE				THRUST LOAD (kN)			
			DIAMETER		WIDTH		FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
			Dh	Dg	Tol.	W	Tol.	Df	Tol.	T	Tol.	S		
KLM-6*	6	6.30		0.38		6.35		0.30		0.51		1.99	0.44	
KLM-7*	7	7.32		0.38		7.38	+0.25	0.30		0.51		2.32	0.55	
KLM-8*	8	8.36		0.46		8.44	-0.00	0.38		0.64		3.18	0.70	
KLM-9*	9	9.46		0.46		9.54		0.38		0.76		3.58	1.00	
KLM-10*	10	10.50		0.46		10.58	+0.30	0.38		0.76		3.98	1.24	
KLM-11	11	11.60		0.46		11.68	-0.00	0.38		0.89		4.39	1.63	
KLM-12	12	12.66	±0.05	0.46		12.74		0.38		0.89		4.77	1.93	
KLM-13	13	13.72		0.56		13.80		0.46		1.14		6.26	2.28	
KLM-14	14	14.72		0.56		14.80		0.46		1.14		6.74	2.46	
KLM-15	15	15.72		0.56		15.80		0.46		1.14		7.22	2.63	
KLM-16	16	16.72		0.56		16.80		0.46		1.14		7.71	2.81	
KLM-17	17	17.72		0.56	+0.05	17.82		0.46	±0.04	1.14		8.19	2.98	
KLM-18	18	18.72		0.56	-0.00	18.82	+0.33	0.46		1.14		8.67	3.16	
KLM-19	19	19.76		0.56		19.86	-0.00	0.46		1.14		9.15	3.52	
KLM-20	20	21.06		0.66		21.26		0.53		1.65		11.10	5.17	
KLM-21	21	22.06		0.66		22.27		0.53		1.65		11.65	5.42	
KLM-22	22	23.06	±0.08	0.66		23.28		0.53		1.65		12.21	5.68	
KLM-24	24	25.06		0.66		25.29		0.53		1.65		13.32	6.20	
KLM-25	25	26.06		0.66		26.30		0.53		1.65		13.87	6.46	
KLM-26	26	27.06		0.66		27.31		0.53		1.65		14.43	6.72	
KLM-28	28	29.12		0.79		29.40		0.64		2.24	±0.10	16.30	7.64	
KLM-29	29	30.12		0.79		30.41		0.64		2.24		16.88	7.91	
KLM-30	30	31.12		0.79		31.42		0.64		2.24		17.47	8.19	
KLM-31	31	32.12	±0.10	0.79		32.43	+0.38	0.64		2.24		18.05	8.46	
KLM-32	32	33.12		0.79		33.44	-0.00	0.64		2.24		18.63	8.73	
KLM-34	34	35.12		0.79		35.45		0.64		2.24		19.80	9.28	
KLM-35	35	36.12		0.79		36.47		0.64		2.24		20.38	9.55	
KLM-36	36	37.12		0.79		37.48		0.64		2.24		20.96	9.83	
KLM-37	37	38.12		0.79		38.49		0.64		2.24		21.54	10.10	
KLM-38	38	39.12		0.79		39.50		0.64		2.24		22.12	10.37	
KLM-40	40	41.48		0.99		41.94		0.79		3.00		28.75	14.43	
KLM-42	42	43.48		0.99		43.96		0.79		3.00		30.19	15.15	
KLM-45	45	46.48		0.99		46.99	+0.51	0.79		3.00		32.34	16.23	
KLM-47	47	48.48	±0.13	0.99		49.00	-0.00	0.79		3.00		33.78	16.95	
KLM-48	48	49.48		0.99		50.01		0.79		3.00		34.50	17.31	
KLM-50	50	51.48		0.99	+0.08	52.04		0.79		3.00		35.93	18.03	
KLM-52	52	53.94		0.99	-0.00	54.55		0.79	±0.05	4.01		37.37	24.58	
KLM-55	55	56.94		0.99		57.57		0.79		4.01		39.53	26.00	
KLM-56	56	57.94		0.99		58.58		0.79		4.01		40.25	26.47	
KLM-58	58	59.94		0.99		60.60	+0.64	0.79		4.01		41.68	27.42	
KLM-60	60	61.94	±0.15	0.99		62.64	-0.00	0.79		4.01		43.12	28.36	
KLM-62	62	63.94		0.99		64.67		0.79		4.01		44.56	29.31	
KLM-63	63	64.94		0.99		65.69		0.79		4.01		45.28	29.78	
KLM-65	65	66.94		0.99		67.70		0.79		4.01		46.72	30.73	

\* No Removal Notch.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.



Free Diameter & Ring Measurements



Housing Diameter & Groove Dimensions

RING NO.	HOUSING DIAMETER (mm)	GROOVE SIZE				RING SIZE				THRUST LOAD (kN)			
		DIAMETER		WIDTH		FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
		Dh	Dg	Tol.	W	Tol.	Df	Tol.	T	Tol.	S		
KLM-68	68	69.94	±0.15	0.99	+0.08 -0.00	70.72	+0.64 -0.00	0.79	±0.10	4.01	±0.10	48.87	32.15
KLM-70	70	71.94		0.99		72.74		0.79		4.01		50.31	33.09
KLM-72	72	73.94		0.99		74.77		0.79		4.01		51.75	34.04
KLM-75	75	76.94		0.99		77.80		0.79		4.01		53.90	35.46
KLM-78	78	80.34		1.12		81.20		0.99		4.78		70.25	44.48
KLM-80	80	82.34		1.12		83.23		0.99		4.78		72.05	45.62
KLM-82	82	84.34		1.12		85.25		0.99		4.78		73.85	46.76
KLM-85	85	87.34		1.12		88.29		0.99		4.78		76.55	48.47
KLM-88	88	90.34		1.12		91.32		0.99		4.78		79.26	50.18
KLM-90	90	92.34		1.12		93.36		0.99		4.78		81.06	51.32
KLM-92	92	94.34		1.12		95.37		0.99		4.78		82.86	52.46
KLM-95	95	97.34		1.12		98.39		0.99		4.78		85.56	54.17
KLM-98	98	100.34		1.12		101.41		0.99		4.78		88.26	55.88
KLM-100	100	102.34		1.12		103.43		0.99		4.78		90.06	57.02
KLM-102	102	104.34		1.12		105.44		0.99		4.78		91.87	58.16
KLM-105	105	107.80		1.32		108.92		1.17		5.72		106.44	71.64
KLM-110	110	112.80	1.32	113.98	1.17	5.72	111.51	75.05					
KLM-112	112	114.80	1.32	116.01	1.17	5.72	113.54	76.42					
KLM-115	115	117.88	1.32	119.12	1.17	5.72	116.58	80.71					
KLM-120	120	123.00	1.32	124.30	1.17	5.72	121.65	87.73					
KLM-125	125	128.12	1.32	129.47	1.17	5.72	126.71	95.04					
KLM-130	130	133.26	1.32	134.66	1.17	5.72	131.78	103.27					
KLM-135	135	138.38	1.70	139.83	1.55	5.72	181.30	111.19					
KLM-140	140	143.50	1.70	145.00	1.55	5.72	188.01	119.40					
KLM-150	150	153.76	1.70	155.30	1.55	6.73	201.44	137.44					
KLM-155	155	158.88	1.70	160.46	1.55	6.73	208.16	146.36					
KLM-160	160	164.00	1.70	165.64	1.55	6.73	214.87	155.96					
KLM-165	165	169.13	1.70	170.82	1.55	6.73	221.59	165.86					
KLM-170	170	174.25	1.70	175.99	1.55	6.73	228.30	176.06					
KLM-175	175	179.38	1.70	181.17	1.55	6.73	235.02	186.57					
KLM-180	180	184.50	1.70	186.35	1.55	6.73	241.73	197.38					
KLM-185	185	189.63	1.70	191.52	1.55	6.73	248.45	208.50					
KLM-190	190	194.75	1.70	196.70	1.55	6.73	255.16	219.92					
KLM-195	195	199.88	1.70	201.87	1.55	7.62	261.88	231.65					
KLM-200	200	205.00	1.70	207.05	1.55	7.62	268.59	243.68					
KLM-210	210	215.25	1.70	217.40	1.55	7.62	282.02	268.66					
KLM-220	220	225.50	2.08	227.76	1.93	8.76	367.88	294.85					
KLM-230	230	235.75	2.08	238.11	1.93	8.76	384.60	322.27					
KLM-240	240	246.00	2.08	248.46	1.93	8.76	401.33	350.90					
KLM-250	250	256.25	2.08	258.81	1.93	8.76	418.05	380.75					
KLM-260	260	266.50	2.08	269.17	1.93	9.65	434.77	411.82					
KLM-270	270	276.75	2.08	279.52	1.93	9.65	451.49	444.11					
KLM-280	280	287.00	2.08	289.87	1.93	9.65	468.21	477.61					
KLM-290	290	297.25	2.08	300.22	1.93	9.65	484.94	512.34					
KLM-300	300	307.50	2.08	310.58	1.93	9.65	501.66	548.28					

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.