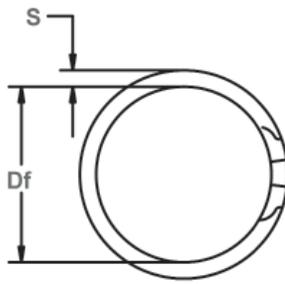


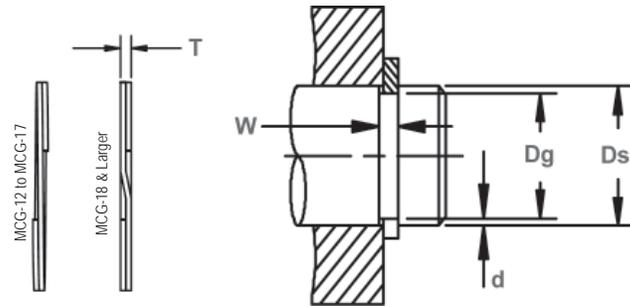
MCG Spiral Shaft Rings

External, Heavy Duty, Metric

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

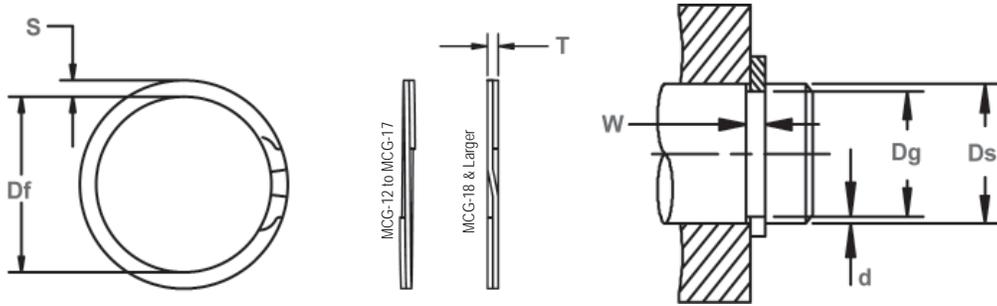


Free Diameter & Ring Measurements



Shaft Diameter & Groove Dimensions

RING NO.	SHAFT DIAMETER (mm)	GROOVE SIZE				RING SIZE						THRUST LOAD (N)	
		DIAMETER		WIDTH		FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
		Dg	Tol.	W	Tol.	Df	Tol.	T	Tol.	S	Tol.		
MCG-12	12	11.29		0.70		11.18		0.60		1.14		7954	2461
MCG-13	13	12.24	+0.06	1.00		12.13		0.89		1.27		11528	1930
MCG-14	14	13.19	-0.06	1.00		13.06		0.89		1.27		12415	2384
MCG-15	15	14.09		1.00		13.98		0.89		1.27		13302	3181
MCG-16	16	15.03		1.00		14.90		0.89		1.40		14188	3811
MCG-17	17	16.03		1.00		15.82		0.89		1.40		15075	4107
MCG-18	18	16.93		1.20		16.80		1.07		1.65		19190	4561
MCG-19	19	17.88		1.20		17.73		1.07		1.65		20256	5309
MCG-20	20	18.78	+0.07	1.20	+0.08	18.62		1.07		1.65		21323	6427
MCG-21	21	19.73	-0.07	1.20	-0.00	19.57		1.07		1.65		22389	7470
MCG-22	22	20.63		1.20		20.45	+0.00	1.07	+0.05	1.91	+0.08	23455	8686
MCG-23	23	21.58		1.20		21.39	-0.33	1.07	-0.05	1.91	-0.13	24521	9906
MCG-24	24	22.53		1.20		22.35		1.07		1.91		25587	11366
MCG-25	25	23.43		1.20		23.25		1.07		2.16		26653	13132
MCG-26	26	24.43		1.20		24.21		1.07		2.16		27719	14085
MCG-27	27	25.35		1.40		25.04		1.27		2.62		31195	10968
MCG-28	28	26.30		1.40		26.00		1.27		2.62		32350	12439
MCG-29	29	27.27		1.40		26.95		1.27		2.62		33506	13626
MCG-30	30	28.25	+0.10	1.40	+0.10	27.92		1.27		2.62		34661	14898
MCG-31	31	29.17	-0.10	1.40	-0.00	28.84		1.27		2.62		35817	16835
MCG-32	32	30.10		1.40		29.77		1.27		2.62		36972	18840
MCG-34	34	31.90		1.40		31.54		1.27		3.00		39283	23123
MCG-35	35	32.80		1.40		32.44		1.27		3.00		40438	25932
MCG-36	36	33.75		1.40		33.40		1.27		3.00		41593	27964
MCG-37	37	34.67	+0.15	1.40		34.24		1.27		3.00		42749	29763
MCG-38	38	35.65	-0.15	1.40		35.18		1.27		3.00		43904	30830



Free Diameter & Ring Measurements

Shaft Diameter & Groove Dimensions

RING NO.	SHAFT DIAMETER (mm)	GROOVE SIZE				RING SIZE						THRUST LOAD (N)	
		DIAMETER		WIDTH		FREE DIAMETER		THICKNESS		SECTION		RING Safety factor of 3	GROOVE Safety factor of 2
		Dg	Tol.	W	Tol.	Df	Tol.	T	Tol.	S	Tol.		
MCG-40	40	37.55	+0.15 -0.15	1.75	+0.10 -0.00	37.15	+0.00 -0.51	1.57	+0.08 -0.08	3.25	+0.08 -0.13	57132	30470
MCG-42	42	39.45		1.75		39.02		1.57		3.25		59988	35208
MCG-45	45	42.25		1.75		41.77		1.57		3.25		64273	42723
MCG-46	46	43.15		1.75		42.67		1.57		3.25		65701	45261
MCG-47	47	44.31		1.75		43.81		1.57		4.01		67130	43649
MCG-48	48	45.05		1.75		44.48		1.57		4.01		68558	48886
MCG-50	50	47.05		1.75		46.69		1.57		4.01		71415	50923
MCG-52	52	48.95		2.15		48.60		1.98		4.27		93667	53451
MCG-54	54	50.85		2.15		50.52		1.98		4.27		97270	58725
MCG-55	55	51.65		2.15		51.26		1.98		4.27		99071	63610
MCG-57	57	53.60	+0.20 -0.20	2.15	+0.13 -0.00	53.17	+0.00 -0.64	1.98	+0.08 -0.08	4.27	+0.10 -0.15	102673	66907
MCG-58	58	54.50		2.15		54.08		1.98		4.27		104475	70084
MCG-60	60	56.50		2.15		56.05		1.98		5.08		108077	72500
MCG-62	62	58.40		2.15		57.99		1.98		5.08		111680	77057
MCG-65	65	61.40		2.15		60.92		1.98		5.08		117084	80786
MCG-68	68	64.30		2.15		63.80		1.98		5.08		122488	86862
MCG-70	70	66.20		2.55		65.70		2.29		5.72		138887	91834
MCG-72	72	68.10		2.55		67.57		2.29		5.72		142855	96943
MCG-75	75	71.00		2.55		70.47		2.29		5.72		148808	103572
MCG-78	78	73.80		2.55		73.25		2.29		5.72		154760	113101
MCG-80	80	75.70	2.55	75.12	2.29	5.72	158728	118762					
MCG-82	82	77.60	2.55	77.00	2.29	5.72	162696	124562					
MCG-85	85	80.40	2.55	79.79	2.29	5.72	168649	134989					
MCG-88	88	83.30	2.95	82.67	2.72	6.86	207386	142791					
MCG-90	90	85.20	2.95	84.54	2.72	6.86	212110	149144					
MCG-95	95	90.00	2.95	89.32	2.72	6.86	223883	163989					
MCG-100	100	94.80	2.95	94.09	2.72	6.86	235666	179525					