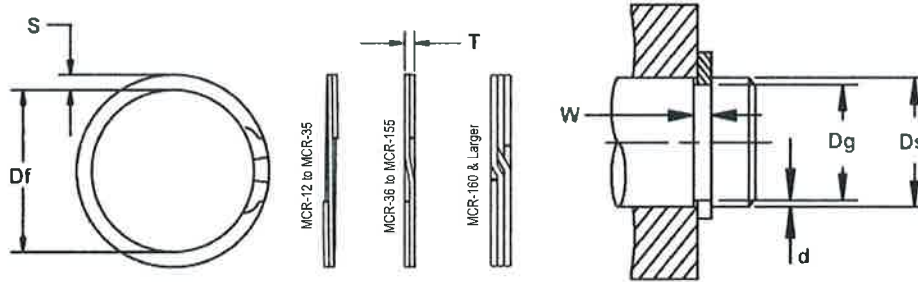




MCR Spiral Shaft Rings

External, Medium-Heavy Duty, Metric

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



Free Diameter & Ring Measurements

Shaft Diameter & Groove Dimensions

RING NO.	SHAFT DIAMETER (mm)	GROOVE SIZE				RING SIZE				SECTION		THRUST LOAD (N)	
		DIAMETER		WIDTH		FREE DIAMETER		THICKNESS				RING Safety factor of 3	GROOVE Safety factor of 2
		Dg	Tol.	W	Tol.	DI	Tol.	T	Tol.	S	Tol.		
MCR-12	12	11.34		1.00		11.21		0.89		1.14		10641	1384
MCR-13	13	12.34		1.00		12.21		0.89		1.14		11528	1678
MCR-14	14	13.30		1.00		13.15		0.89		1.14		12415	2069
MCR-15	15	14.28		1.00		14.13		0.89		1.14		13302	2499
MCR-16	16	15.28		1.00		15.13		0.89		1.40		14188	2837
MCR-17	17	16.20		1.00		16.05		0.89		1.40		15075	3609
MCR-18	18	17.14		1.17		16.96		1.07		1.65		19190	3571
MCR-19	19	18.12	+0.08	1.17	+0.08	17.94	+0.00	1.07		1.65		20256	4148
MCR-20	20	19.08	-0.08	1.17	-0.00	18.90	-0.33	1.07		1.65		21323	4878
MCR-21	21	20.08		1.17		19.88		1.07		1.65		22389	5397
MCR-22	22	20.94		1.17		20.74		1.07		1.90		23455	6765
MCR-23	23	21.94		1.17		21.74		1.07		1.90		24521	7511
MCR-24	24	22.94		1.17		22.74		1.07	+0.05	1.90		25587	8297
MCR-25	25	23.88		1.17		23.68		1.07	-0.05	1.90		26653	9608
MCR-26	26	24.84		1.17		24.69		1.07		1.90		27719	10412
MCR-27	27	25.80		1.42		25.55		1.27		2.24		31195	8706
MCR-28	28	26.80		1.42		26.55		1.27		2.24		32350	9487
MCR-29	29	27.74		1.42		27.46		1.27		2.24		33506	10629
MCR-30	30	28.68		1.42		28.40		1.27		2.24		34661	12032
MCR-32	32	30.60		1.42		30.32		1.27		2.50		36972	14621
MCR-33	33	31.50	+0.10	1.42		31.22	+0.00	1.27		2.50	+0.08	38127	16774
MCR-34	34	32.40	-0.10	1.42		32.12	-0.40	1.27		2.50	-0.13	39283	18781
MCR-35	35	33.36		1.42		33.06		1.27		2.75		40438	19917
MCR-36	36	34.28		1.42		33.98		1.27		2.75		41953	21377
MCR-37	37	35.28		1.42	+0.10	34.88		1.27		2.75		42749	21971
MCR-38	38	36.20		1.42	-0.00	35.90		1.27		2.75		43904	23614
MCR-39	39	37.70		1.73		37.40		1.58		3.00		56058	22989
MCR-40	40	38.12		1.73		37.76		1.58		3.00		57496	24462
MCR-42	42	40.08		1.73		39.72		1.58		3.00		60370	27840
MCR-43	43	41.08		1.73		40.69	+0.00	1.58		3.00		61808	28503
MCR-44	44	41.96	+0.13	1.73		41.60	-0.50	1.58		3.25		63245	29166
MCR-45	45	42.90	-0.13	1.73		42.54		1.58		3.25		64683	32625
MCR-47	47	44.80		1.73		44.39		1.58		3.25		67557	35698
MCR-48	48	45.80		1.73		45.39		1.58	+0.08	3.25		68995	36457
MCR-50	50	47.70		1.73		47.29		1.58	-0.08	3.25		71870	39703
MCR-52	52	49.66		2.18		49.28		1.98		3.58		93667	42009
MCR-53	53	50.60		2.18		50.25		1.98		3.58		95468	43914
MCR-54	54	51.50		2.18		51.11		1.98		3.58		97270	46607
MCR-55	55	52.46		2.18		52.05		1.98		3.58		99071	48230
MCR-56	56	53.46	+0.15	2.18	+0.13	53.06	+0.00	1.98		3.58		100872	49107
MCR-58	58	55.26	-0.15	2.18	-0.00	54.83	-0.63	1.98		3.58		104475	54865
MCR-59	59	56.26		2.18		55.75		1.98		3.58		106276	55811
MCR-60	60	57.20		2.18		56.77		1.98		3.58		108077	58000
MCR-61	61	58.20		2.18		57.73		1.98		3.58		109879	58967
MCR-62	62	59.16		2.18		58.70		1.98		3.58		111680	60790