

QUARTER TURN TECHNICAL DATA

MANUAL UNITS

Description	Output Torque (in-lbs)	Output Torque (Nm)	Mechanical Advantage	Turns To Close	Bore Diameter (in. max.)	Mounting Patterns	Stem Entry (in. max.)
M05	1,320	149	9.3	10	0.98	F/FA05, F/FA07	2.01
M07	2,640	298	11	10	0.98	F/FA05, F/FA07	2.01
M10	5,280	597	11	10	1.26	F/FA07, F/FA10	2.24
M12	10,560	1,193	11.3	10.5	1.77	F/FA10, F/FA12, F/FA14	2.83
M14	19,360	2,188	16.2	15	2.56	F/FA12, F/FA14, F/FA16	3.19
M15	36,080	4,077	20.5	17	3.39	F/FA14, F/FA16, F/FA20	3.62
M16	47,520	5,370	26.5	22	3.62	F/FA16, F/FA20, F/FA25	4.45

MANUAL / ADAPTABLE-MOTORIZABLE UNITS

Description	Output Torque (in-lbs)	Output Torque (Nm)	Mechanical Advantage	Turns To Close	Bore Diameter (in. max.)	Bolt Circle Straddling (in. max.)	Bolt Circle On Center (in. max.)	Bolt Circle (in. min.)	Stem Entry (in. max.)
MZF40	3,500	395	10.8	10.00	1.25	4.25	3.00	2.63	2.24
MVF31	9,000	1,017	9.1	7.75	1.75	5.00	5.00	3.38	2.91
MYF40	12,000	1,356	10.0	10.00	1.75	5.00	5.00	3.38	3.03
MAF46	15,000	1,695	11.6	11.50	2.50	6.50	4.75	4.25	3.13
MBF64	21,000	2,373	18.7	16.00	2.50	8.25	6.00	4.50	3.43
MCF72	30,000	3,390	19.4	18.00	3.25	8.50	6.00	5.50	3.58
MFF57/S3	55,000	6,215	44.5	42.75	3.50	10.50	10.50	6.50	4.49
MFF36/S5	70,000	7,910	52.0	45.00	3.50	10.50	10.50	6.50	4.49
MJF50/S5	105,000	11,864	73.0	62.50	4.50	11.75	11.75	7.25	5.50
MJF50/D9	105,000	11,864	116.6	113.00	4.50	11.75	11.75	7.25	5.50
MLF60/D12	210,500	23,785	156.5	180.00	6.50	14.02	14.02	9.25	5.91
MLF60/D9/S3	210,500	23,785	301.0	406.80	6.50	14.02	14.02	9.25	5.91
MPF50/D12/S3	420,000	47,458	384.2	450.00	6.50	15.98	15.98	9.25	7.01
MPF50/D15/S3	420,000	47,458	480.0	561.88	6.50	15.98	15.98	9.25	7.01
MTF50/DB6/D9	700,000	79,096	520.3	674.75	8.66	19.00	19.00	12.50	8.86
M83/DB9/D9	996,000	112,542	669.8	813.50	8.66	19.00	19.00	12.50	8.86
M125/DB9/D9	1,500,000	169,492	1052.7	1138.90	10.83	23.60	23.60	16.00	12.99
M160/DB9/D9	1,920,000	216,949	1314.7	1423.63	12.20	26.00	26.00	18.00	14.37
M200/DB9/D9	2,400,000	271,186	1623.7	1769.38	13.78	29.25	29.25	20.00	15.87

NOTE: FOR 500 AND 1000 CYCLE TORQUE RATINGS PLEASE REFER TO SPECIFIC GEARBOX BROCHURES



MASTERGEAR

DIVISION OF REGAL-BELOIT CORPORATION
5465 EAST ROCKTON RD. SOUTH BELOIT, IL 61080

REV. C
8/28/02