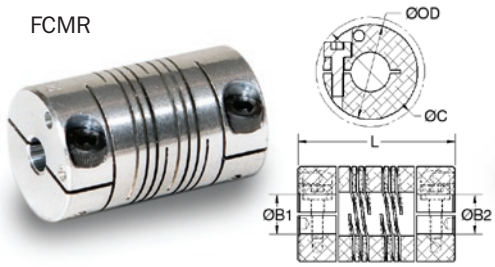
FCMR/FSMR MWC/MWS

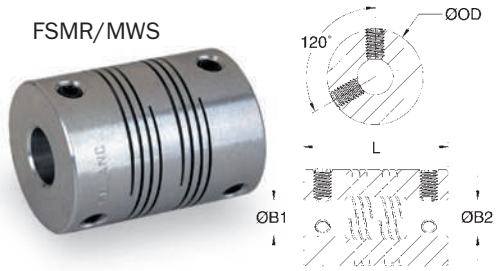
SIX BEAM AND FOUR BEAM COUPLINGS

METRIC DIMENSION SERIES • ALUMINUM

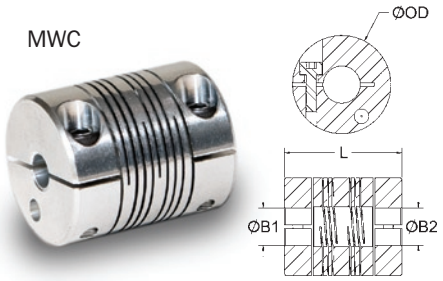
FCMR



FSMR/MWS



MWC



PART NUMBER		SPECIFICATIONS								PERFORMANCE				
CLAMP STYLE	SET SCREW STYLE	BORES B1,B2 (mm)	OUTER DIAM OD (mm)	CLEARANCE DIAM C (mm) (FCMR) MAX	LENGTH L (mm) (FCMR/MWC)	LENGTH L (mm) (FSMR/MWS)	CAP SCREW (FCMR/MWC)	SET SCREW (FSMR/MWS)	SHAFT PENETRATION (MM)	STATIC TORQUE (Nm)	TORSIONAL (Deg/Nm)	PARALLEL MISALIGNMENT (mm)	AXIAL MOTION (mm)	MOMENT OF INERTIA ($x10^{-6}$ kg-m^2)
FCMR16	FSMR16	5 6	15.88	20.22	25.4	25.4	M3	M4	12.00	1.47 1.47	3.211 3.211	0.203	0.127	0.380
FCMR19	FSMR19	5 6 7 8	19.05	22.23	31.75	31.75	M3	M4	15.06	2.94 2.94 2.71 2.26	1.331 1.331 1.666 2.036	0.203	0.127	1.037
FCMR25	FSMR25	6 7 8 9 10 11 12	25.4	28.37	38.1	38.1	M4	M5	17.87	3.95 3.95 3.73 3.73 3.73 3.28 2.82	0.548 0.548 0.862 0.862 0.862 1.097 1.566	0.381	0.254	4.120
FCMR32	FSMR32	8 9 10 11 12 14 15	31.75	37.06	44.45	44.45	M5	M6	20.82	7.91 6.89 6.89 5.65 5.65 5.08 4.86	0.313 0.392 0.392 0.627 0.627 0.705 0.862	0.381	0.254	11.885
FCMR38	FSMR38	10 11 12 14 15 16 19	38.1	41.71	57.15	57.15	M5	M6	26.47	13.56 12.43 12.43 12.43 10.73 10.73 9.04	0.157 0.235 0.235 0.235 0.392 0.392 0.627	0.762	0.381	30.032
MWC15	MWS15	3 4 5	15		22	20	M2	M3	10.41 9.41	0.85 0.85 0.81	4.44 4.44 5.21	0.20	0.12	0.293
MWC20	MWS20	4 5 6	20		28	20	M3	M3	13.34 9.34	1.30 1.30 1.15	2.01 2.01 2.48	0.20	0.12	1.053
MWC25	MWS25	6 8 10	25		30	24	M3	M4	13.79 11.29	3.42 3.42 3.10	1.22 1.22 1.75	0.38	0.25	2.955
MWC30	MWS30	8 10 12	30		38	30	M4	M5	17.65 13.65	6.90 6.90 6.60	0.71 0.71 0.93	0.38	0.25	7.958

Note 1 Static torque ratings are at maximum misalignment. To obtain dynamic rating, static ratings should be divided by 2 for non-reversing applications and by 4 for reversing applications.

Note 2 Hardware is alloy steel with black oxide finish. Stainless steel hardware is available upon request. FCMR and MWC series parts have two socket head Nypatch® cap screws on each end. FSMR and MWS parts have two set screws on each end 120° apart.

Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application.

Note 4 Coupling torque and torsional stiffness are determined by the largest bore selected.

Note 5 Angular misalignment on all couplings is 3°.

Note 6 Shafts may penetrate up to 0.5 x L. Be certain shafts do not touch.

Note 7 Maximum speed 6,000 RPM.

FOR ENGINEERING AND WARRANTY INFORMATION SEE WWW.RULAND.COM