

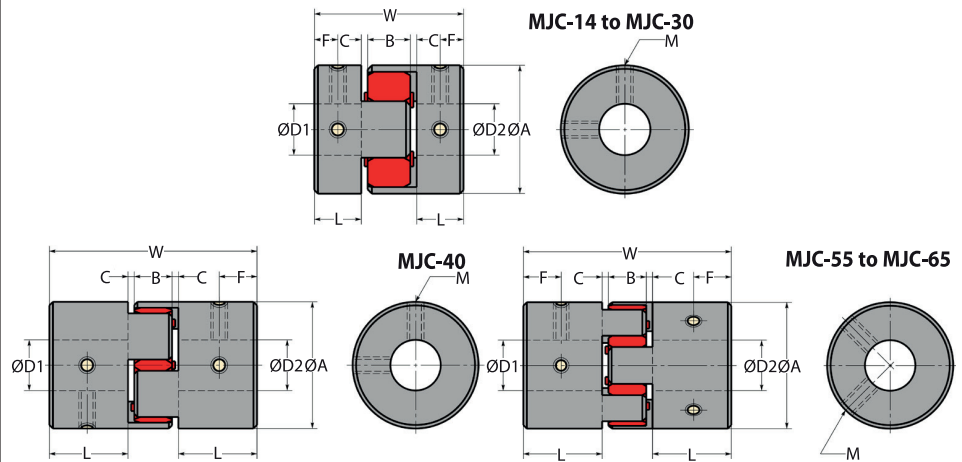
MJC

COUPLINGS

MJC

Aluminum Curved Jaw Flexible Shaft Coupling

Set Screw Fixing : 2 - 320Nm, 3 - 30mm Bores



Part Number	Min. Bores ØD1 ØD2	Max. Bores ØD1 ØD2	ØA	L	W	B	C	F	M
MJC-14-RD	3	7	14	7	22	6	1.0	3.5	M3
MJC-20-RD	4	11	20	10	30	8	1.0	5.0	M3
MJC-30-RD	6	16	30	11	35	10	1.5	5.5	M4
MJC-40-RD	8	25	40	25	66	12	2.0	12.5	M5
MJC-55-RD	10	32	55	30	78	14	2.0	15.0	M6
MJC-65-RD	14	38	65	35	90	15	2.5	17.5	M8

Part Number	Zero-Backlash Permissible Torque (Nm)	Wrench Torque (Nm)	Rated Torque (Nm)	Max. Torque (Nm)	Max. rpm (min ⁻¹)	Moment of Inertia (kg·m ²) [†]	Static Torsional Stiffness (Nm/rad)	Max Parallel Offset (mm)	Errors of Angularity	Errors of Shaft End-Play (mm)	Mass (g) [†]
MJC-14-RD	0.1	0.7	0.7	1.4	45,000	2.0 x 10 ⁻⁷	8	0.15	1°	+0.6 / -0	6.6
MJC-20-RD	0.2	0.7	1.8	3.6	31,000	1.1 x 10 ⁻⁶	16	0.20	1°	+0.8 / -0	17
MJC-30-RD	0.5	1.7	4.0	8.0	21,000	6.2 x 10 ⁻⁶	46	0.20	1°	+1.0 / -0	44
MJC-40-RD	1.2	4.0	4.9	9.8	15,000	3.7 x 10 ⁻⁵	380	0.15	1°	+1.2 / -0	130
MJC-55-RD	---	7.0	17.0	34.0	11,000	1.6 x 10 ⁻⁴	1,400	0.20	1°	+1.4 / -0	320
MJC-65-RD	---	15.0	46.0	92.0	9,000	3.6 x 10 ⁻⁴	28,000	0.20	1°	+1.5 / -0	520

Materials

Body: Anodized Aluminium alloy (A2017).

Setscrews: Alloy steel- black oxide coating.

Sleeve: Polyurethane. Sleeve Durometer Hardness (Shore A): 98 (BL=80, WH=92).

Operating temperature Range: -20°C to +60°C.

Rated and max. torque capacities are decreased in case of use in high ambient temperatures. If ambient temperature exceeds 30°C, adjust torque capacity.

Ordering

High Torque RD (Red disc) supplied as standard.

If the alternative Low Torque (BL - Blue Disc)

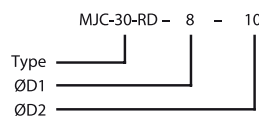
and Medium Torque (WH - White Disc)

is required, please change RD in the part number to color required (White WH or Blue BL).

These are supplied at no extra cost. Technical Data available on request.

The MJC coupling can be bored out, but not keywayed.

MJC-K Keywayed couplings can be ordered as specials, but a minimum order quantity may apply. Larger sizes MJC-80 and MJC-95 available. P.O.A.



Features

- For use with stepper motors and some servo and general purpose motors.
- Excellent flexibility- torsional vibration can be absorbed as well as parallel and angular misalignments.
- Excellent resistance to oil, and electrical insulation.
- Can transmit generally higher torque than metallic spring couplings.
- Compression type coupling assembled by pressing an elastic polyurethane sleeve into hubs on both sides for zero backlash in low torque application.
- Can be used as a flexible coupling in high torque applications.
- Identical clockwise & counter-clockwise rotational characteristics.
- Finished bore product - models with two different end bores also in stock.
- Setscrews supplied. Bores of 3 or 4mm only have 1 setscrew.
- Recommended tolerance on shaft diameters is h6 and h7.
- Complete absorption of eccentricity, angularity and end-play by spring actions.

† Based on maximum shaft bores.

ondrives.us

1-888-260-7466

516-771-6444

sales@ondrivesus.com

www.ondrivesus.com

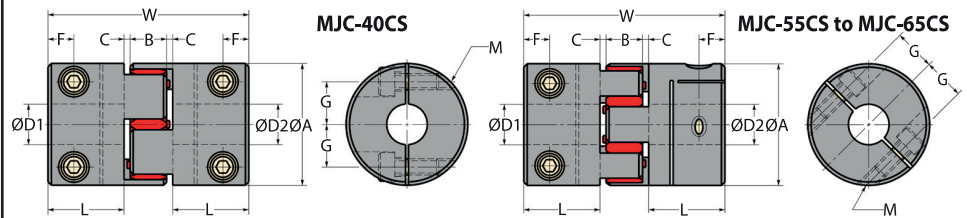
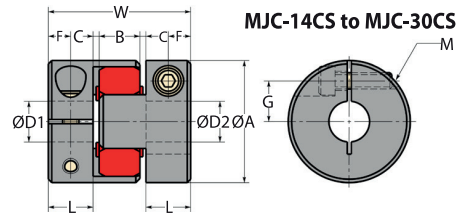
MJC-CS

COUPLINGS

MJC-CS

Aluminum Curved Jaw Flexible Shaft Coupling

Clamp Fixing : 2 - 320Nm, 3 - 30mm Bores



Part Number	Min. Bores		Max. Bores		ØA	L	W	B	C	F	G	M
	ØD1	ØD2	ØD1	ØD2								
MJC-14CS-RD	3		7		14	7	22	6	1.0	3.5	4.0	M2
MJC-20CS-RD	4		11		20	10	30	8	1.0	5.0	6.5	M2.5
MJC-30CS-RD	6		16		30	11	35	10	1.5	5.5	10.0	M4
MJC-40CS-RD	8		25		40	25	66	12	2.0	8.5	14.0	M5
MJC-55CS-RD	10		32		55	30	78	14	2.0	10.5	20.0	M6
MJC-65CS-RD	14		38		65	35	90	15	2.5	13.0	24.0	M8

Part Number	Zero-Backlash Permissible Torque (Nm)	Wrench Torque (Nm)	Rated Torque (Nm)	Max. Torque (Nm)	Max. rpm (min ⁻¹)	Moment of Inertia (kg·m ²)†	Static Torsional Stiffness (Nm/rad)	Max Parallel Offset (mm)	Errors of Angularity	Errors of Shaft End-Play (mm)	Mass (g)†
MJC-14CS-RD	0.1	0.5	0.7	1.4	45,000	1.9 x 10 ⁻⁷	8	0.10	1°	+0.6 / -0	6.2
MJC-20CS-RD	0.2	1.0	1.8	3.6	31,000	1.0 x 10 ⁻⁶	16	0.10	1°	+0.8 / -0	16
MJC-30CS-RD	0.5	3.5	4.0	8.0	21,000	6.0 x 10 ⁻⁶	46	0.10	1°	+1.0 / -0	42
MJC-40CS-RD	1.2	8.0	4.9	9.8	15,000	3.6 x 10 ⁻⁵	380	0.10	1°	+1.2 / -0	130
MJC-55CS-RD	---	13.0	17.0	34.0	11,000	1.6 x 10 ⁻⁴	1,400	0.10	1°	+1.4 / -0	310
MJC-65CS-RD	---	28.0	46.0	92.0	9,000	3.5 x 10 ⁻⁴	2,800	0.10	1°	+1.5 / -0	500

Materials

Body: Anodized Aluminium alloy (A2017).
 Cap Screws: Alloy steel- black oxide coating.
 Sleeve: Polyurethane. Sleeve Durometer Hardness (Shore A): 98 (BL=80, WH=92).
 Operating temperature Range: -20°C to +60°C.
 Rated and max. torque capacities are decreased in case of use in high ambient temperatures. If ambient temperature exceeds 30°C, adjust torque capacity.

Ordering

High Torque RD (Red disc) supplied as standard.
 If the alternative Low Torque (BL - Blue Disc) and Medium Torque (WH - White Disc) is required, please change RD in the part number to color required (White WH or Blue BL).

These are supplied at no extra cost. Technical Data available on request.

The MJC-CS coupling can be bored out, but not keywayed.

MJC-CK Keywayed couplings can be ordered as specials, but a minimum order quantity may apply. Larger sizes MJC-80CS and MJC-95CS available. P.O.A.



Features

- For use with stepper motors and some servo and general purpose motors.
- Excellent flexibility- torsional vibration can be absorbed as well as parallel and angular misalignments.
- Excellent resistance to oil, and electrical insulation.
- Can transmit generally higher torque than metallic spring couplings.
- Compression type coupling assembled by pressing an elastic polyurethane sleeve into hubs on both sides for zero backlash in low torque application.
- Can be used as a flexible coupling in high torque applications.
- Identical clockwise & counter-clockwise rotational characteristics.
- Finished bore product - models with two different end bores also in stock.
- Capscrews supplied.
- Recommended tolerance on shaft diameters is h6 and h7.
- Complete absorption of eccentricity, angularity and end-play by spring actions.

† Based on maximum shaft bores.

ondrives.us

1-888-260-7466
516-771-6444

sales@ondrivesus.com
www.ondrivesus.com