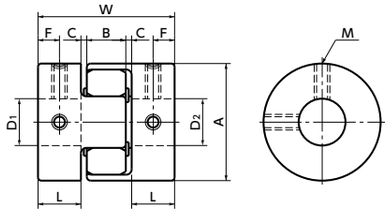
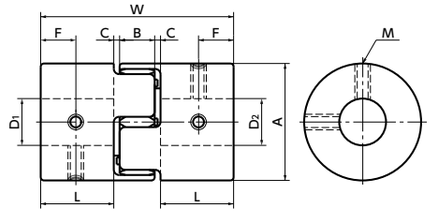
MJC Flexible coupling - Jaw-type - Set screw type

Additional Size　Specification Change

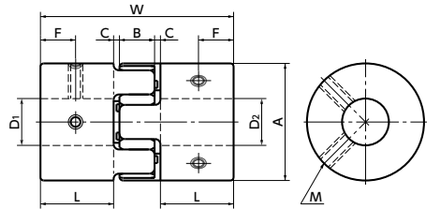
WEB Selection Tool　WEB CAD Download　High torque　Vibration absorption　Electrical Insulation



Outside Diameter: ϕ14 - ϕ30

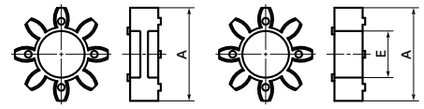


Outside Diameter: ϕ40



Outside Diameter: ϕ55 - ϕ95

● Sleeve Details



● Ambient Temperature / Temperature Correction Factor

Ambient Temperature	Temperature Correction Factor
−20℃ to 30℃	1.00
30℃ to 40℃	0.80
40℃ to 60℃	0.70

Dimensions

Unit : mm

Part Number ◀1	A	L	W	B	C*1	Sleeve E	F	M	Screw Tightening Torque (N・m)
MJC-14	14	7	22	6	1	4.5	3.5	M3	0.7
MJC-20	20	10	30	8	1	7	5	M3	0.7
MJC-30	30	11	35	10	1.5	11	5.5	M4	1.7
MJC-40	40	25	66	12	2	18	12.5	M5	4
MJC-55	55	30	78	14	2	27.5	15	M6	7
MJC-65	65	35	90	15	2.5	31	17.5	M8	15
MJC-80	80	45	114	18	3	37	22.5	M8	15
MJC-95	95	50	126	20	3	45.5	25	M8	15

*1 Use with C Dimension

Part Number	Standard metric bore diameter (dimensional allowance H8) D1・D2 ◀3																													
	3	4	4.5	5	6	6.35	7	8	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55
MJC-14	●	●	●	●	●	●	●																								
MJC-20		●	●	●	●	●	●	●	●	●	●																				
MJC-30					●	●	●	●	●	●	●	●	●	●	●																
MJC-40								●	●	●	●	●	●	●	●	●	●	●	●	●	●										
MJC-55										●	●	●	●	●	●	●	●	●	●	●	●	●	●								
MJC-65													●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MJC-80																		●	●	●	●	●	●	●	●	●	●	●			
MJC-95																					●	●	●	●	●	●	●	●	●	●	●

Part Number	Standard inch bore diameter (dimensional allowance H7) D1・D2 ◀3																					
	1 / 8	3 / 16	1 / 4	5 / 16	3 / 8	7 / 16	1 / 2	9 / 16	5 / 8	11 / 16	3 / 4	13 / 16	7 / 8	15 / 16	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4
MJC-14	●	●	●																		
MJC-20		●	●	●	●																
MJC-30			●	●	●	●	●	●	●												
MJC-40				●	●	●	●	●	●	●	●										
MJC-55					●	●	●	●	●	●	●	●	●	●	●						
MJC-65							●	●	●	●	●	●	●	●	●	●	●	●	●		
MJC-80											●	●	●	●	●	●	●	●	●	●	●
MJC-95															●	●	●	●	●	●	●

- All products are provided with hex socket set screw.
- In a case where the bore diameter are ϕ3,ϕ4 and ϕ 1/8, the setscrew is used in only one place.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with set screw type for one side and clamping type or other type for the other side is available upon request.

Additional Keyway at Shaft Hole ➡ P.788	Cleanroom Wash & Packaging ➡ P.792	Change to Stainless Steel Screw ➡ P.790
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

Performance

Part Number	Sleeve ◀2 Tight Fit	Sleeve ◀2 Easy Fit	Max. Bore Diameter (mm)	Rated*1 torque (N・m)	Max.*1 torque (N・m)	Zero Backlash*3 Allowable Transmission Torque (N・m)	Max. Rotational Frequency (min^{-1})	Moment*2 of Inertia ($kg・m^2$)	Static Torsional Stiffness (N・m / rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)	Sleeve Hardness (JIS)
MJC-14	BL	EBL	7	0.7	1.4	0.1	45000	2.0×10^{-7}	8	0.15	1	$^{+0.6}_{0}$	6.6	A80
MJC-20	BL	EBL	11	1.8	3.6	0.2	31000	1.1×10^{-6}	16	0.2	1	$^{+0.8}_{0}$	17	
MJC-30	BL	EBL	16	4	8	0.5	21000	6.2×10^{-6}	46	0.2	1	$^{+1.0}_{0}$	44	
MJC-40	BL	EBL	25	4.9	9.8	1.2	15000	3.7×10^{-5}	380	0.15	1	$^{+1.2}_{0}$	130	
MJC-55	BL	EBL	32	17	34		11000	1.6×10^{-4}	1400	0.2	1	$^{+1.4}_{0}$	320	
MJC-65	BL	EBL	38.1	46	92		9000	3.6×10^{-4}	2800	0.2	1	$^{+1.5}_{0}$	520	
MJC-80	BL	EBL	45	95	190		7000	1.1×10^{-3}	3200	0.2	1	$^{+1.8}_{0}$	1000	
MJC-95	BL	EBL	55	130	260		6000	2.3×10^{-3}	3600	0.2	1	$^{+2.0}_{0}$	1500	
MJC-14	WH	EWH	7	1.2	2.4	0.1	45000	2.0×10^{-7}	14	0.1	1	$^{+0.6}_{0}$	6.6	A92
MJC-20	WH	EWH	11	3	6	0.2	31000	1.1×10^{-6}	29	0.15	1	$^{+0.8}_{0}$	17	
MJC-30	WH	EWH	16	7.5	15	0.5	21000	6.2×10^{-6}	73	0.15	1	$^{+1.0}_{0}$	44	
MJC-40	WH	EWH	25	10	20	1.2	15000	3.7×10^{-5}	570	0.1	1	$^{+1.2}_{0}$	130	
MJC-55	WH	EWH	32	35	70		11000	1.6×10^{-4}	1600	0.15	1	$^{+1.4}_{0}$	320	
MJC-65	WH	EWH	38.1	95	190		9000	3.6×10^{-4}	3000	0.15	1	$^{+1.5}_{0}$	520	
MJC-80	WH	EWH	45	190	380		7000	1.1×10^{-3}	5300	0.15	1	$^{+1.8}_{0}$	1000	
MJC-95	WH	EWH	55	265	530		6000	2.3×10^{-3}	6200	0.15	1	$^{+2.0}_{0}$	1500	
MJC-14	RD	ERD	7	2	4	0.1	45000	2.0×10^{-7}	22	0.1	1	$^{+0.6}_{0}$	6.6	A98
MJC-20	RD	ERD	11	5	10	0.2	31000	1.1×10^{-6}	55	0.1	1	$^{+0.8}_{0}$	17	
MJC-30	RD	ERD	16	12.5	25	0.5	21000	6.2×10^{-6}	130	0.1	1	$^{+1.0}_{0}$	44	
MJC-40	RD	ERD	25	17	34	1.2	15000	3.7×10^{-5}	1200	0.1	1	$^{+1.2}_{0}$	130	
MJC-55	RD	ERD	32	60	120		11000	1.6×10^{-4}	2600	0.1	1	$^{+1.4}_{0}$	320	
MJC-65	RD	ERD	38.1	160	320		9000	3.6×10^{-4}	4900	0.1	1	$^{+1.5}_{0}$	520	
MJC-80	RD	ERD	45	325	650		7000	1.1×10^{-3}	6500	0.1	1	$^{+1.8}_{0}$	1000	
MJC-95	RD	ERD	55	450	900		6000	2.3×10^{-3}	8900	0.1	1	$^{+2.0}_{0}$	1500	
MJC-14	GR	EGR	7	2.4	4.8	0.1	45000	2.0×10^{-7}	66	0.08	1	$^{+0.6}_{0}$	6.6	D64
MJC-20	GR	EGR	11	6	12	0.2	31000	1.1×10^{-6}	87	0.08	1	$^{+0.8}_{0}$	17	
MJC-30	GR	EGR	16	16	32	0.5	21000	6.2×10^{-6}	200	0.08	1	$^{+1.0}_{0}$	44	
MJC-40	GR	EGR	25	21	42	1.2	15000	3.7×10^{-5}	3000	0.08	1	$^{+1.2}_{0}$	130	
MJC-55	GR	EGR	32	75	150		11000	1.6×10^{-4}	9000	0.08	1	$^{+1.4}_{0}$	320	
MJC-65	GR	EGR	38.1	200	400		9000	3.6×10^{-4}	13000	0.08	1	$^{+1.5}_{0}$	520	
MJC-80	GR	EGR	45	405	810		7000	1.1×10^{-3}	14000	0.08	1	$^{+1.8}_{0}$	1000	
MJC-95	GR	EGR	55	560	1120		6000	2.3×10^{-3}	15000	0.08	1	$^{+2.0}_{0}$	1500	

*1 Correction of rated torque and max. torque due to load fluctuation is not required. However, if ambient temperature exceeds 30℃, be sure to correct the rated torque and max. torque with temperature correction factor shown in the table. MJC's allowable operating temperature is −20℃ to 60℃.

*2 These are values with max. bore diameter.

*3 For transmission with Zero Backlash, please use a tight fit sleeve.

● Part number specification

MJC-95 - EBL - 40-45

◀1 ◀2 ◀3

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