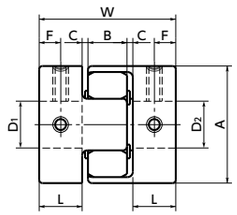
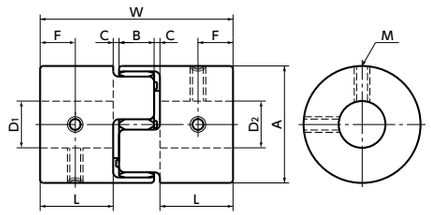
MJC Flexible Coupling - Jaw - Type - Set Screw Type

Additional Size

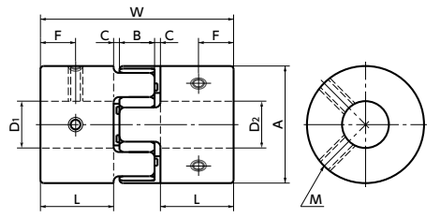
Selection Tool | CAD Download | High torque | Vibration absorption | Electrical Insulation



Outside Diameter: ϕ14 - ϕ30



Outside Diameter: ϕ40



Outside Diameter: ϕ55 - ϕ95

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	3.5	M3	0.7
MJC-20	20	10	30	8	1	6	5	M3	0.7
MJC-25	25	12	34	8	1	8	6	M4	1.7
MJC-30	30	11	35	10	1.5	10	5.5	M4	1.7
MJC-40	40	25	66	12	2	17	12.5	M5	4
MJC-55	55	30	78	14	2	26	15	M6	7
MJC-65	65	35	90	15	2.5	29.5	17.5	M8	15
MJC-80	80	45	114	18	3	35.5	22.5	M8	15
MJC-95	95	50	126	20	3	44	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-25		●	●	●	●	●	●	●	●	●	●	●																			
MJC-30					●	●	●	●	●	●	●	●	●	●	●																
MJC-40								●	●	●	●	●	●	●	●	●	●	●	●	●	●										
MJC-55										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
MJC-65													●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MJC-80																		●	●	●	●	●	●	●	●	●	●	●			
MJC-95																					●	●	●	●	●	●	●	●	●	●	●

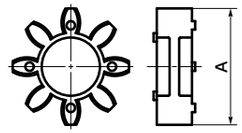
Part Number	Standard inch bore diameter (dimensional allowance H7) D1・D2 ③																					
	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/8	1-1/4	1-3/8	1-1/2	1-5/8	1-3/4
MJC-14	●	●	●																		
MJC-20		●	●	●	●																
MJC-25		●	●	●	●	●	●														
MJC-30			●	●	●	●	●	●	●												
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.

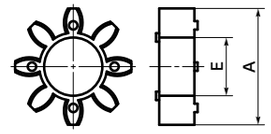
Additional Keyway at Shaft Hole ➡ P.xxxx	Cleanroom Wash & Packaging ➡ P.xxxx	Change to Stainless Steel Screw ➡ P.xxxx
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

- Sleeve Details

Tight Fit



Easy Fit



- 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

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	
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-25	BL	EBL	12.7	3	6	0.4	25000	3.3×10^{-6}	32	0.2	1	$^{+0.9}_{0}$	34	
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	A80
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	
MJC-20	WH	EWH	11	3	6	0.2	31000	1.1×10^{-6}	29	0.15	1	$^{+0.8}_{0}$	17	
MJC-25	WH	EWH	12.7	5	10	0.4	25000	3.3×10^{-6}	60	0.15	1	$^{+0.9}_{0}$	34	
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	A92
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	
MJC-20	RD	ERD	11	5	10	0.2	31000	1.1×10^{-6}	55	0.1	1	$^{+0.8}_{0}$	17	
MJC-25	RD	ERD	12.7	7.2	14.4	0.4	25000	3.3×10^{-6}	120	0.1	1	$^{+0.9}_{0}$	34	
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	A98
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	
MJC-20	GR	EGR	11	6	12	0.2	31000	1.1×10^{-6}	87	0.08	1	$^{+0.8}_{0}$	17	
MJC-25	GR	EGR	12.7	9.6	19.2	0.4	25000	3.3×10^{-6}	160	0.08	1	$^{+0.9}_{0}$	34	
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	D64
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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