RoHS Compliant

New Addition in Size

Bore Modifications

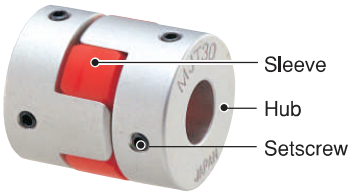
MJT

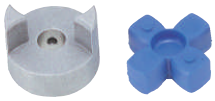
For Servomotors

For Stepping Motors

Configuration

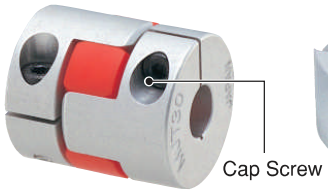
MJT Setscrew Type

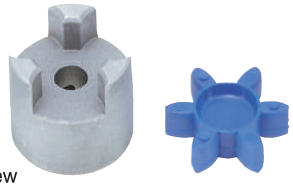




Outside Dia. ϕ14 ~ ϕ30

MJT-C Clamp Type





Outside Dia. ϕ40

MJT-K Keyway Type





MJT-CK Clamp+Keyway Type





Outside Dia. ϕ55 ~ ϕ95

Features

Merits
- High Torque
- Vibration Absorption

- Compression type coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Zero backlash in low torque application
- Excellent flexibility-Torsional vibration can be absorbed as well as parallel and angular misalignments
- Three different hardness sleeves are available
- Excellent electrical insulation
- Identical clockwise and counter-clockwise rotational characteristics
- Operational temperature: −20˚C~60˚C
- Finished products featuring two different end bore diameters available in stock

Application	
Servomotor	●
Stepping Motor	◎
General-purpose Motor	◎
Encoder	—
Features	
Zero Backlash	●
High Torsional Stiffness	—
High Torque	◎
Absorption of Misalignment	●
Vibration Absorption	●
Electrical Insulation	◎
Corrosion Resistant (All Stainless Steel)	—

◎: Excellent ●: Very Good

Sleeve		Attachment			
Hardness*	Color	Setscrew Type	Clamp Type	Keyway Type	Clamp+Keyway Type
80	Blue	MJT-＊＊-BL	MJT-＊＊C-BL	MJT-＊＊K-BL	MJT-＊＊CK-BL
92	White	MJT-＊＊-WH	MJT-＊＊C-WH	MJT-＊＊K-WH	MJT-＊＊CK-WH
98	Red	MJT-＊＊-RD	MJT-＊＊C-RD	MJT-＊＊K-RD	MJT-＊＊CK-RD

＊Durometer Hardness (Shore A).

Material & Finish

Hub	A2017, Anodized Aluminum Coating
Sleeve	Polyurethane
Setscrew	SCM435, Black Oxide Coating*
Cap Screw	SCM435, Black Oxide Coating*

＊Stock screws can be replaced with stainless steel screws.
Please take advantage of our stainless steel screw option.
For more information please refer to page 16.

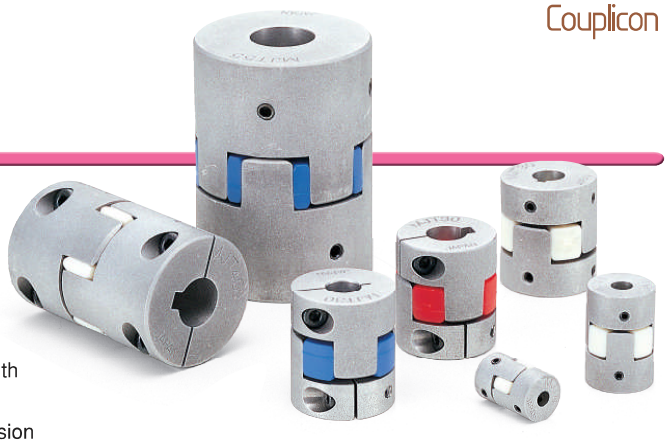
When Ordering

Specify product code and both bore diameters.

MJT-30-BL-8×10

Product Code — D_1 — D_2

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Selecting MJT Couplings

MJT couplings combine the features of a metallic spring coupling with zero backlash and a flexible coupling with an elastic rubber sleeve. Therefore, MJT couplings can be used for rotational angle transmission with zero backlash and for torque transmission.
There are three different types of sleeves with different hardness. Check the following points for proper selection of MJT couplings.

❶ Zero Backlash Transmission

In applications where rotational angle transmission and motion control at low torque are needed, MJT couplings can be used like metallic spring couplings with zero backlash. In addition, MJT couplings can absorb torsional vibration, which other zero backlash couplings can not absorb. The permissible torque in zero backlash applications is smaller than the rated torque mentioned in the specification tables. Please refer to the table below Any of the three different sleeves have the same permissible torque in zero backlash applications, however, the harder the sleeve the better the response of angular transmission. You may select the best sleeve for your requirments, referring to the static torsional stiffness in the table below or the specification tables.

❷ Torque Transmission

MJT, a compression coupling, can generally transmit higher torque than metallic spring couplings, and this coupling can be recommended for the applications of general industrial machinery like pumps, where backlash is acceptable. The rated and maximum torque of blue, white and red sleeves are respectively low, medium and high, while the permissible misalignment of blue, white and red sleeves are respectively large, medium and small. You may select the most suitable sleeve for your application. For torque transmission applications, we recommend an MJT with keyway (MJT-**K) or an MJT with clamp hub and keyway (MJT-**CK) for safe and sure shaft attachment.

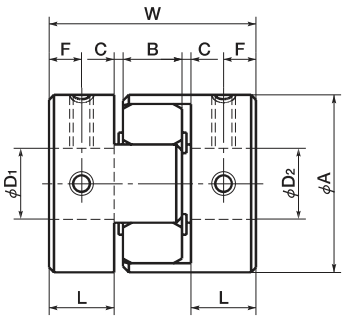
Product Code		Hardness* of Sleeve (JIS A)	Zero Backlash Permissible Torque (N·m)	Rated Torque* (N·m)	Max. Torque* (N·m)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-Play (mm)
MJT-14	BL	80	0.1	0.7	1.4	8	0.15	1.0	+0.6 0
	WH	92		1.2	2.4	14	0.10		
	RD	98		2	4	22	0.10		
MJT-20	BL	80	0.2	1.8	3.6	16	0.20	1.0	+0.8 0
	WH	92		3	6	29	0.15		
	RD	98		5	10	55	0.10		
MJT-30	BL	80	0.5	4	8	46	0.20	1.0	+1.0 0
	WH	92		7.5	15	73	0.15		
	RD	98		12.5	25	130	0.10		
MJT-40	BL	80	1.2	4.9	9.8	380	0.15	1.0	+1.2 0
	WH	92		10	20	570	0.10		
	RD	98		17	34	1200	0.10		
MJT-55	BL	80	—	17	34	1400	0.20	1.0	+1.4 0
	WH	92		35	70	1600	0.15		
	RD	98		60	120	2600	0.10		
MJT-65	BL	80	—	46	92	2800	0.20	1.0	+1.5 0
	WH	92		95	190	3000	0.15		
	RD	98		160	320	4900	0.10		
MJT-80	BL	80	—	95	190	3200	0.20	1.0	+1.8 0
	WH	92		190	380	5300	0.15		
	RD	98		325	650	6500	0.10		
MJT-95	BL	80	—	130	260	3600	0.20	1.0	+2.0 0
	WH	92		265	530	6200	0.15		
	RD	98		450	900	8900	0.10		

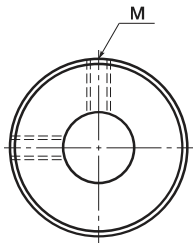
* Durometer Hardness (Shore A).
* Adjustment of rated and maximum torque specifications for load fluctuations is not required. However, if operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below.
The operating temperature range for MJT is −20℃~60℃. For more detailed information, please refer to For Better Drive on page 34.

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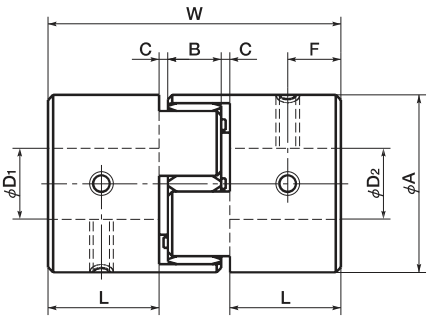
MJT Setscrew Type

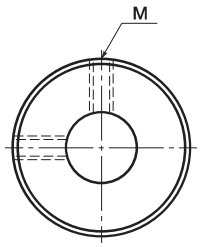
CAD DATA 2D 3D down load





Outside Dia. ϕ14～ϕ30





Outside Dia. ϕ40

Dimensions

MJT Setscrew Type

unit:mm

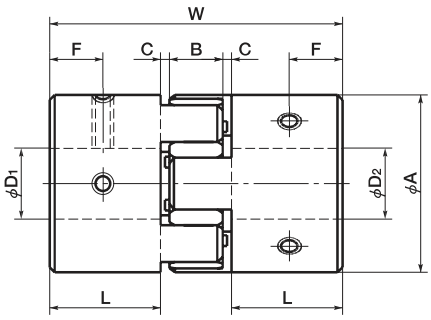
Product Code			A	L	W	B	C	F	M	Wrench Torque (N·m)
MJT-14-BL			14	7	22	6	1	3.5	M3	0.7
MJT-20-BL			20	10	30	8	1	5	M3	0.7
MJT-30-BL			30	11	35	10	1.5	5.5	M4	1.7
MJT-40-BL			40	25	66	12	2	12.5	M5	4
MJT-55-BL			55	30	78	14	2	15	M6	7
MJT-65-BL			65	35	90	15	2.5	17.5	M8	15
MJT-80-BL			80	45	114	18	3	22.5	M8	15
MJT-95-BL			95	50	126	20	3	25	M8	15
MJT-14-WH			14	7	22	6	1	3.5	M3	0.7
MJT-20-WH			20	10	30	8	1	5	M3	0.7
MJT-30-WH			30	11	35	10	1.5	5.5	M4	1.7
MJT-40-WH			40	25	66	12	2	12.5	M5	4
MJT-55-WH			55	30	78	14	2	15	M6	7
MJT-65-WH			65	35	90	15	2.5	17.5	M8	15
MJT-80-WH			80	45	114	18	3	22.5	M8	15
MJT-95-WH			95	50	126	20	3	25	M8	15
MJT-14-RD			14	7	22	6	1	3.5	M3	0.7
MJT-20-RD			20	10	30	8	1	5	M3	0.7
MJT-30-RD			30	11	35	10	1.5	5.5	M4	1.7
MJT-40-RD			40	25	66	12	2	12.5	M5	4
MJT-55-RD			55	30	78	14	2	15	M6	7
MJT-65-RD			65	35	90	15	2.5	17.5	M8	15
MJT-80-RD			80	45	114	18	3	22.5	M8	15
MJT-95-RD			95	50	126	20	3	25	M8	15

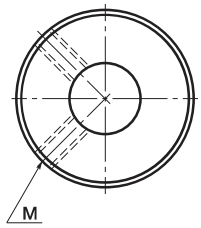
Product Code	Stock Bore Diameters D_1・D_2 (Tolerance H8)																										
	3	4	4.5	5	6	6.35	7	8	9.525	10	11	12	14	15	16	18	19	20	25	28	30	32	35	38	40	42	45
MJT-14-BL・WH・RD	●	●	●	●	●																						
MJT-20-BL・WH・RD				●	●	●	●	●	●																		
MJT-30-BL・WH・RD							●	●	●	●	●	●	●														
MJT-40-BL・WH・RD										●	●	●	●	●	●												
MJT-55-BL・WH・RD														●	●	●	●	●	●								
MJT-65-BL・WH・RD														●	●	●	●	●	●								
MJT-80-BL・WH・RD																				●	●	●	●	●			
MJT-95-BL・WH・RD																									●	●	●

● All products come with setscrews.
● Hubs with shaft bore diameters of ϕ4 or less have one setscrew.
● Recommended tolerance on shaft diameters is h6 and h7.

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Outside Dia. ϕ55～ϕ95

Specifications

MJT Setscrew Type

Product Code	Max. Bore (mm)	Rated* Torque (N·m)	Max.* Torque (N·m)	Max. Rotational Frequency (min⁻¹)	Moment** of Inertia (kg·m²)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-Play (mm)	Mass** (g)
MJT-14-BL	6.35	0.7	1.4	45000	2.1×10^{-7}	8	0.15	1.0	$^{+0.6}_{0}$	7.3
MJT-20-BL	9.525	1.8	3.6	31000	1.0×10^{-6}	16	0.20	1.0	$^{+0.8}_{0}$	18
MJT-30-BL	14	4	8	21000	5.9×10^{-6}	46	0.20	1.0	$^{+1.0}_{0}$	46
MJT-40-BL	20	4.9	9.8	15000	4.0×10^{-5}	380	0.15	1.0	$^{+1.2}_{0}$	150
MJT-55-BL	25	17	34	11000	1.7×10^{-4}	1400	0.20	1.0	$^{+1.4}_{0}$	350
MJT-65-BL	30	46	92	9000	3.9×10^{-4}	2800	0.20	1.0	$^{+1.5}_{0}$	570
MJT-80-BL	45	95	190	7000	1.1×10^{-3}	3200	0.20	1.0	$^{+1.8}_{0}$	1200
MJT-95-BL	50	130	260	6000	2.4×10^{-3}	3600	0.20	1.0	$^{+2.0}_{0}$	1900
MJT-14-WH	6.35	1.2	2.4	45000	2.1×10^{-7}	14	0.10	1.0	$^{+0.6}_{0}$	7.3
MJT-20-WH	9.525	3	6	31000	1.0×10^{-6}	29	0.15	1.0	$^{+0.8}_{0}$	18
MJT-30-WH	14	7.5	15	21000	5.9×10^{-6}	73	0.15	1.0	$^{+1.0}_{0}$	46
MJT-40-WH	20	10	20	15000	4.0×10^{-5}	570	0.10	1.0	$^{+1.2}_{0}$	150
MJT-55-WH	25	35	70	11000	1.7×10^{-4}	1600	0.15	1.0	$^{+1.4}_{0}$	350
MJT-65-WH	30	95	190	9000	3.9×10^{-4}	3000	0.15	1.0	$^{+1.5}_{0}$	570
MJT-80-WH	45	190	380	7000	1.1×10^{-3}	5300	0.15	1.0	$^{+1.8}_{0}$	1200
MJT-95-WH	50	265	530	6000	2.4×10^{-3}	6200	0.15	1.0	$^{+2.0}_{0}$	1900
MJT-14-RD	6.35	2	4	45000	2.1×10^{-7}	22	0.10	1.0	$^{+0.6}_{0}$	7.3
MJT-20-RD	9.525	5	10	31000	1.0×10^{-6}	55	0.10	1.0	$^{+0.8}_{0}$	18
MJT-30-RD	14	12.5	25	21000	5.9×10^{-6}	130	0.10	1.0	$^{+1.0}_{0}$	46
MJT-40-RD	20	17	34	15000	4.0×10^{-5}	1200	0.10	1.0	$^{+1.2}_{0}$	150
MJT-55-RD	25	60	120	11000	1.7×10^{-4}	2600	0.10	1.0	$^{+1.4}_{0}$	350
MJT-65-RD	30	160	320	9000	3.9×10^{-4}	4900	0.10	1.0	$^{+1.5}_{0}$	570
MJT-80-RD	45	325	650	7000	1.1×10^{-3}	6500	0.10	1.0	$^{+1.8}_{0}$	1200
MJT-95-RD	50	450	900	6000	2.4×10^{-3}	8900	0.10	1.0	$^{+2.0}_{0}$	1900

* Adjustment of rated and maximum torque specifications for load fluctuations is not required. However, if operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below. The operational temperature range for MJT is −20℃～60℃. For more detailed information, please refer to For Better Drive on page 34.

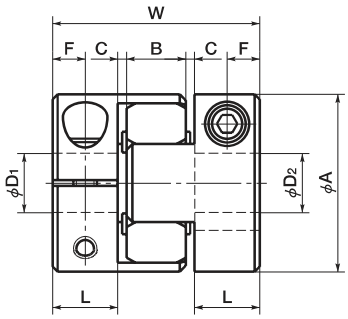
** Based on the maximum shaft bores.

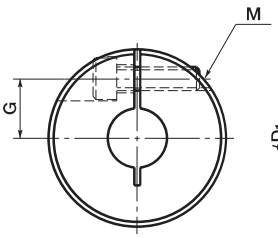
Air Temperature	Temperature Correction Factor
−20℃～30℃	1.00
30℃～40℃	0.80
40℃～60℃	0.70

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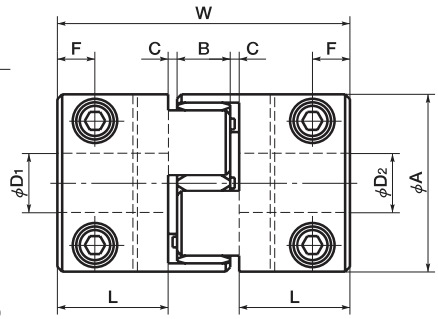
MJT-C Clamp Type

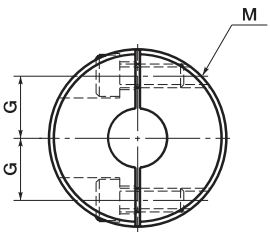
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Outside Dia. ϕ 14～ϕ 30





Outside Dia. ϕ 40

Dimensions

MJT-C Clamp Type

unit : mm

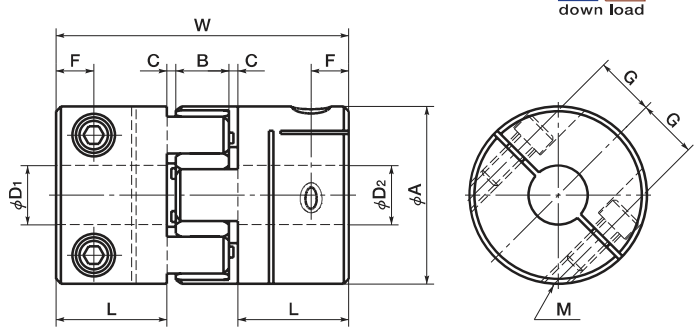
Product Code			A	L	W	B	C	F	G	M	Wrench Torque (N・m)
MJT-14C-BL			14	7	22	6	1	3.5	4	M 2	0.5
MJT-20C-BL			20	10	30	8	1	5	6.5	M 2.5	1
MJT-30C-BL			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40C-BL			40	25	66	12	2	8.5	14	M 5	4
MJT-55C-BL			55	30	78	14	2	10.5	20	M 6	8
MJT-65C-BL			65	35	90	15	2.5	13	24	M 8	16
MJT-80C-BL			80	45	114	18	3	15	30	M 8	16
MJT-95C-BL			95	50	126	20	3	18	34	M10	40
MJT-14C-WH			14	7	22	6	1	3.5	4	M 2	0.5
MJT-20C-WH			20	10	30	8	1	5	6.5	M 2.5	1
MJT-30C-WH			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40C-WH			40	25	66	12	2	8.5	14	M 5	4
MJT-55C-WH			55	30	78	14	2	10.5	20	M 6	8
MJT-65C-WH			65	35	90	15	2.5	13	24	M 8	16
MJT-80C-WH			80	45	114	18	3	15	30	M 8	16
MJT-95C-WH			95	50	126	20	3	18	34	M10	40
MJT-14C-RD			14	7	22	6	1	3.5	4	M 2	0.5
MJT-20C-RD			20	10	30	8	1	5	6.5	M 2.5	1
MJT-30C-RD			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40C-RD			40	25	66	12	2	8.5	14	M 5	4
MJT-55C-RD			55	30	78	14	2	10.5	20	M 6	8
MJT-65C-RD			65	35	90	15	2.5	13	24	M 8	16
MJT-80C-RD			80	45	114	18	3	15	30	M 8	16
MJT-95C-RD			95	50	126	20	3	18	34	M10	40

Product Code	Stock Bore Diameters D1・D2 (Tolerance H8)																										
	3	4	4.5	5	6	6.35	7	8	9.525	10	11	12	14	15	16	18	19	20	25	28	30	32	35	38	40	42	45
MJT-14C-BL・WH・RD	●	●	●	●																							
MJT-20C-BL・WH・RD				●	●	●	●	●																			
MJT-30C-BL・WH・RD							●	●	●	●	●	●															
MJT-40C-BL・WH・RD										●	●	●	●	●	●												
MJT-55C-BL・WH・RD														●	●	●	●	●	●								
MJT-65C-BL・WH・RD														●	●	●	●	●	●								
MJT-80C-BL・WH・RD																				●	●	●	●	●			
MJT-95C-BL・WH・RD																									●	●	●

● All products come with cap screws.
● Setscrew type/clamp type and other combination couplings are available on request.
● Recommended tolerance on shaft diameters is h6 and h7.
● Bore and keyway modifications are available on request. Please take advantage of our bore modification services. For more information please refer to pages 17～19.

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Outside Dia. ϕ 55～ ϕ 95

Specifications

MJT-C Clamp Type

Product Code	Max. Bore (mm)	Rated* Torque (N·m)	Max.* Torque (N·m)	Max. Rotational Frequency (min^{-1})	Moment** of Inertia ($kg \cdot m^2$)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-Play (mm)	Mass** (g)
MJT-14C-BL	5	0.7	1.4	45000	1.6×10^{-7}	8	0.15	1.0	$^{+0.6}_{0}$	6
MJT-20C-BL	8	1.8	3.6	31000	1.1×10^{-6}	16	0.20	1.0	$^{+0.8}_{0}$	19
MJT-30C-BL	12	4	8	21000	6.2×10^{-6}	46	0.20	1.0	$^{+1.0}_{0}$	50
MJT-40C-BL	16	4.9	9.8	15000	3.9×10^{-5}	380	0.15	1.0	$^{+1.2}_{0}$	160
MJT-55C-BL	25	17	34	11000	1.6×10^{-4}	1400	0.20	1.0	$^{+1.4}_{0}$	330
MJT-65C-BL	30	46	92	9000	3.8×10^{-4}	2800	0.20	1.0	$^{+1.5}_{0}$	560
MJT-80C-BL	42	95	190	7000	1.0×10^{-3}	3200	0.20	1.0	$^{+1.8}_{0}$	1200
MJT-95C-BL	48	130	260	6000	2.3×10^{-3}	3600	0.20	1.0	$^{+2.0}_{0}$	1900
MJT-14C-WH	5	1.2	2.4	45000	1.6×10^{-7}	14	0.10	1.0	$^{+0.6}_{0}$	6
MJT-20C-WH	8	3	6	31000	1.1×10^{-6}	29	0.15	1.0	$^{+0.8}_{0}$	19
MJT-30C-WH	12	7.5	15	21000	6.2×10^{-6}	73	0.15	1.0	$^{+1.0}_{0}$	50
MJT-40C-WH	16	10	20	15000	3.9×10^{-5}	570	0.10	1.0	$^{+1.2}_{0}$	160
MJT-55C-WH	25	35	70	11000	1.6×10^{-4}	1600	0.15	1.0	$^{+1.4}_{0}$	330
MJT-65C-WH	30	95	190	9000	3.8×10^{-4}	3000	0.15	1.0	$^{+1.5}_{0}$	560
MJT-80C-WH	42	190	380	7000	1.0×10^{-3}	5300	0.15	1.0	$^{+1.8}_{0}$	1200
MJT-95C-WH	48	265	530	6000	2.3×10^{-3}	6200	0.15	1.0	$^{+2.0}_{0}$	1900
MJT-14C-RD	5	2	4	45000	1.6×10^{-7}	22	0.10	1.0	$^{+0.6}_{0}$	6
MJT-20C-RD	8	5	10	31000	1.1×10^{-6}	55	0.10	1.0	$^{+0.8}_{0}$	19
MJT-30C-RD	12	12.5	25	21000	6.2×10^{-6}	130	0.10	1.0	$^{+1.0}_{0}$	50
MJT-40C-RD	16	17	34	15000	3.9×10^{-5}	1200	0.10	1.0	$^{+1.2}_{0}$	160
MJT-55C-RD	25	60	120	11000	1.6×10^{-4}	2600	0.10	1.0	$^{+1.4}_{0}$	330
MJT-65C-RD	30	160	320	9000	3.8×10^{-4}	4900	0.10	1.0	$^{+1.5}_{0}$	560
MJT-80C-RD	42	325	650	7000	1.0×10^{-3}	6500	0.10	1.0	$^{+1.8}_{0}$	1200
MJT-95C-RD	48	450	900	6000	2.3×10^{-3}	8900	0.10	1.0	$^{+2.0}_{0}$	1900

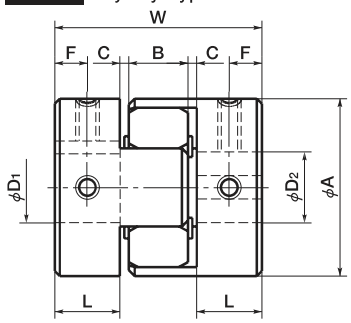
* Adjustment of rated and maximum torque specifications for load fluctuations is not required. However, if operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below. The operational temperature range for MJT is −20℃～60℃. For more detailed information, please refer to For Better Drive on page 34.

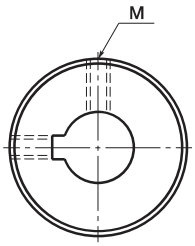
** Based on the maximum shaft bores.

Air Temperature	Temperature Correction Factor
−20℃～30℃	1.00
30℃～40℃	0.80
40℃～60℃	0.70

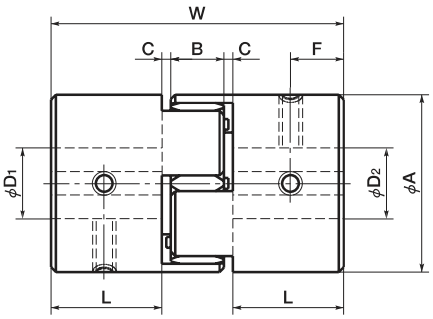
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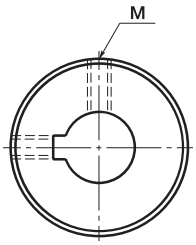
MJT-K Keyway Type





Outside Dia. ϕ30





Outside Dia. ϕ40

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Dimensions

MJT-K Keyway Type

unit:mm

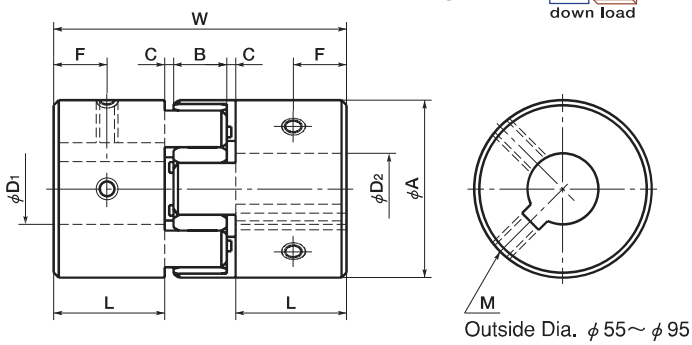
Product Code			A	L	W	B	C	F	M	Wrench Torque (N·m)
MJT-30K-BL			30	11	35	10	1.5	5.5	M4	1.7
MJT-40K-BL			40	25	66	12	2	12.5	M5	4
MJT-55K-BL			55	30	78	14	2	15	M6	7
MJT-65K-BL			65	35	90	15	2.5	17.5	M8	15
MJT-80K-BL			80	45	114	18	3	22.5	M8	15
MJT-95K-BL			95	50	126	20	3	25	M8	15
MJT-30K-WH			30	11	35	10	1.5	5.5	M4	1.7
MJT-40K-WH			40	25	66	12	2	12.5	M5	4
MJT-55K-WH			55	30	78	14	2	15	M6	7
MJT-65K-WH			65	35	90	15	2.5	17.5	M8	15
MJT-80K-WH			80	45	114	18	3	22.5	M8	15
MJT-95K-WH			95	50	126	20	3	25	M8	15
MJT-30K-RD			30	11	35	10	1.5	5.5	M4	1.7
MJT-40K-RD			40	25	66	12	2	12.5	M5	4
MJT-55K-RD			55	30	78	14	2	15	M6	7
MJT-65K-RD			65	35	90	15	2.5	17.5	M8	15
MJT-80K-RD			80	45	114	18	3	22.5	M8	15
MJT-95K-RD			95	50	126	20	3	25	M8	15

Product Code	Stock Bore Diameters $D_1 \cdot D_2$ (Tolerance H8)																	
	10	11	12	14	15	16	18	19	20	25	28	30	32	35	38	40	42	45
MJT-30K-BL·WH·RD	●	●	●	●														
MJT-40K-BL·WH·RD	●	●	●	●	●	●												
MJT-55K-BL·WH·RD					●	●	●	●	●	●								
MJT-65K-BL·WH·RD					●	●	●	●	●	●								
MJT-80K-BL·WH·RD											●	●	●	●	●			
MJT-95K-BL·WH·RD																●	●	●

- All products come with setscrews.
- Recommended tolerance on shaft diameters is h6 and h7.
- Keyway type/clamp type and other combination couplings are available on request.
- Bore and keyway modifications are available on request. Please take advantage of our bore modification services. For more information please refer to pages 17～19.

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Specifications

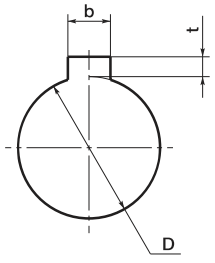
MJT-K Keyway Type

Product Code	Max. Bore (mm)	Rated* Torque (N·m)	Max.* Torque (N·m)	Max. Rotational Frequency (min^{-1})	Moment** of Inertia ($kg \cdot m^2$)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-Play (mm)	Mass** (g)
MJT-30K-BL	14	4	8	21000	5.8×10^{-6}	46	0.20	1.0	$^{+1.0}_{0}$	45
MJT-40K-BL	20	4.9	9.8	15000	3.8×10^{-5}	380	0.15	1.0	$^{+1.2}_{0}$	150
MJT-55K-BL	25	17	34	11000	1.6×10^{-4}	1400	0.20	1.0	$^{+1.4}_{0}$	350
MJT-65K-BL	30	46	92	9000	3.6×10^{-4}	2800	0.20	1.0	$^{+1.5}_{0}$	570
MJT-80K-BL	45	95	190	7000	9.8×10^{-4}	3200	0.20	1.0	$^{+1.8}_{0}$	1200
MJT-95K-BL	50	130	260	6000	2.2×10^{-3}	3600	0.20	1.0	$^{+2.0}_{0}$	1800
MJT-30K-WH	14	7.5	15	21000	5.8×10^{-6}	73	0.15	1.0	$^{+1.0}_{0}$	45
MJT-40K-WH	20	10	20	15000	3.8×10^{-5}	570	0.10	1.0	$^{+1.2}_{0}$	150
MJT-55K-WH	25	35	70	11000	1.6×10^{-4}	1600	0.15	1.0	$^{+1.4}_{0}$	350
MJT-65K-WH	30	95	190	9000	3.6×10^{-4}	3000	0.15	1.0	$^{+1.5}_{0}$	570
MJT-80K-WH	45	190	380	7000	9.8×10^{-4}	5300	0.15	1.0	$^{+1.8}_{0}$	1200
MJT-95K-WH	50	265	530	6000	2.2×10^{-3}	6200	0.15	1.0	$^{+2.0}_{0}$	1800
MJT-30K-RD	14	12.5	25	21000	5.8×10^{-6}	130	0.10	1.0	$^{+1.0}_{0}$	45
MJT-40K-RD	20	17	34	15000	3.8×10^{-5}	1200	0.10	1.0	$^{+1.2}_{0}$	150
MJT-55K-RD	25	60	120	11000	1.6×10^{-4}	2600	0.10	1.0	$^{+1.4}_{0}$	350
MJT-65K-RD	30	160	320	9000	3.6×10^{-4}	4900	0.10	1.0	$^{+1.5}_{0}$	570
MJT-80K-RD	45	325	650	7000	9.8×10^{-4}	6500	0.10	1.0	$^{+1.8}_{0}$	1200
MJT-95K-RD	50	450	900	6000	2.2×10^{-3}	8900	0.10	1.0	$^{+2.0}_{0}$	1800

* Adjustment of rated and maximum torque specifications for load fluctuations is not required. However, if operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below. The operational temperature range for MJT is −20℃～60℃. For more detailed information, please refer to For Better Drive on page 34.

** Based on the maximum shaft bores.

Air Temperature	Temperature Correction Factor
−20℃～30℃	1.00
30℃～40℃	0.80
40℃～60℃	0.70



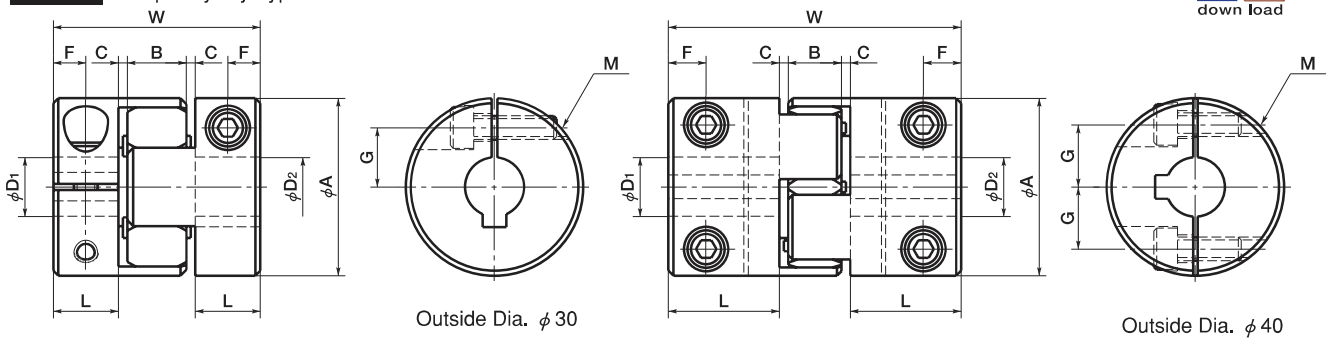
unit:mm

Stock Bore Diameters D	Keyways				Keys
	b		t		b×h
	Basic Size	Tolerance (JS9)	Basic Size	Tolerance	
10·11·12	4	±0.0150	1.8	$^{+0.1}_{0}$	4×4
14·15·16	5		2.3		5×5
18·19·20	6		2.8		6×6
25·28·30	8	±0.0180	3.3	$^{+0.2}_{0}$	8×7
32·35·38	10				10×8
40·42	12	±0.0215			12×8
45	14		3.8		14×9

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MJT-CK Clamp+Keyway Type

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Dimensions

MJT-CK Clamp+Keyway Type

unit:mm

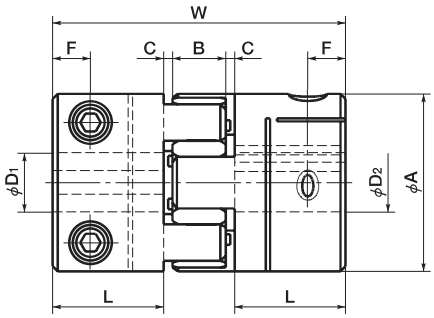
Product Code			A	L	W	B	C	F	G	M	Wrench Torque (N·m)
MJT-30CK-BL			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40CK-BL			40	25	66	12	2	8.5	14	M 5	4
MJT-55CK-BL			55	30	78	14	2	10.5	20	M 6	8
MJT-65CK-BL			65	35	90	15	2.5	13	24	M 8	16
MJT-80CK-BL			80	45	114	18	3	15	30	M 8	16
MJT-95CK-BL			95	50	126	20	3	18	34	M10	40
MJT-30CK-WH			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40CK-WH			40	25	66	12	2	8.5	14	M 5	4
MJT-55CK-WH			55	30	78	14	2	10.5	20	M 6	8
MJT-65CK-WH			65	35	90	15	2.5	13	24	M 8	16
MJT-80CK-WH			80	45	114	18	3	15	30	M 8	16
MJT-95CK-WH			95	50	126	20	3	18	34	M10	40
MJT-30CK-RD			30	11	35	10	1.5	5.5	10	M 4	2.5
MJT-40CK-RD			40	25	66	12	2	8.5	14	M 5	4
MJT-55CK-RD			55	30	78	14	2	10.5	20	M 6	8
MJT-65CK-RD			65	35	90	15	2.5	13	24	M 8	16
MJT-80CK-RD			80	45	114	18	3	15	30	M 8	16
MJT-95CK-RD			95	50	126	20	3	18	34	M10	40

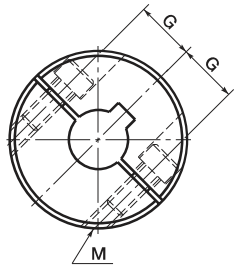
Product Code	Stock Bore Diameters D1・D2 (Tolerance H8)																	
	10	11	12	14	15	16	18	19	20	25	28	30	32	35	38	40	42	45
MJT-30CK-BL・WH・RD	●	●	●															
MJT-40CK-BL・WH・RD	●	●	●	●	●	●												
MJT-55CK-BL・WH・RD					●	●	●	●	●	●								
MJT-65CK-BL・WH・RD					●	●	●	●	●	●								
MJT-80CK-BL・WH・RD											●	●	●	●	●			
MJT-95CK-BL・WH・RD																●	●	●

- All products come with cap screws.
- Recommended tolerance on shaft diameters is h6 and h7.
- Keyway type/clamp type and other combination couplings are available on request.
- Bore and keyway modifications are available on request. Please take advantage of our bore modification services. For more information please refer to pages17～19.

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Outside Dia. φ55～φ95

Specifications

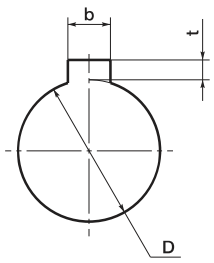
MJT-CK Clamp+Keyway Type

Product Code	Max. Bore (mm)	Rated* Torque (N·m)	Max.* Torque (N·m)	Max. Rotational Frequency (min⁻¹)	Moment** of Inertia (kg·m²)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-Play (mm)	Mass** (g)
MJT-30CK-BL	12	4	8	21000	4.2×10^{-6}	46	0.20	1.0	$^{+1.0}_{0}$	50
MJT-40CK-BL	16	4.9	9.8	15000	3.7×10^{-5}	380	0.15	1.0	$^{+1.2}_{0}$	160
MJT-55CK-BL	25	17	34	11000	1.5×10^{-4}	1400	0.20	1.0	$^{+1.4}_{0}$	330
MJT-65CK-BL	30	46	92	9000	3.5×10^{-4}	2800	0.20	1.0	$^{+1.5}_{0}$	550
MJT-80CK-BL	42	95	190	7000	9.7×10^{-4}	3200	0.20	1.0	$^{+1.8}_{0}$	1200
MJT-95CK-BL	48	130	260	6000	2.1×10^{-3}	3600	0.20	1.0	$^{+2.0}_{0}$	1800
MJT-30CK-WH	12	7.5	15	21000	4.2×10^{-6}	73	0.15	1.0	$^{+1.0}_{0}$	50
MJT-40CK-WH	16	10	20	15000	3.7×10^{-5}	570	0.10	1.0	$^{+1.2}_{0}$	160
MJT-55CK-WH	25	35	70	11000	1.5×10^{-4}	1600	0.15	1.0	$^{+1.4}_{0}$	330
MJT-65CK-WH	30	95	190	9000	3.5×10^{-4}	3000	0.15	1.0	$^{+1.5}_{0}$	550
MJT-80CK-WH	42	190	380	7000	9.7×10^{-4}	5300	0.15	1.0	$^{+1.8}_{0}$	1200
MJT-95CK-WH	48	265	530	6000	2.1×10^{-3}	6200	0.15	1.0	$^{+2.0}_{0}$	1800
MJT-30CK-RD	12	12.5	25	21000	4.2×10^{-6}	130	0.10	1.0	$^{+1.0}_{0}$	50
MJT-40CK-RD	16	17	34	15000	3.7×10^{-5}	1200	0.10	1.0	$^{+1.2}_{0}$	160
MJT-55CK-RD	25	60	120	11000	1.5×10^{-4}	2600	0.10	1.0	$^{+1.4}_{0}$	330
MJT-65CK-RD	30	160	320	9000	3.5×10^{-4}	4900	0.10	1.0	$^{+1.5}_{0}$	550
MJT-80CK-RD	42	325	650	7000	9.7×10^{-4}	6500	0.10	1.0	$^{+1.8}_{0}$	1200
MJT-95CK-RD	48	450	900	6000	2.1×10^{-3}	8900	0.10	1.0	$^{+2.0}_{0}$	1800

* Adjustment of rated and maximum torque specifications for load fluctuations is not required. However, if operating temperature exceeds 30℃, please adjust rated torque and maximum torque as detailed in the table below. The operational temperature range for MJT is −20℃～60℃. For more detailed information, please refer to For Better Drive on page 34.

** Based on the maximum shaft bores.

Air Temperature	Temperature Correction Factor
−20℃～30℃	1.00
30℃～40℃	0.80
40℃～60℃	0.70



unit:mm

Stock Bore Diameters D	Keyways				Keys
	b		t		b×h
	Basic Size	Tolerance (JS9)	Basic Size	Tolerance	
10・11・12	4	±0.0150	1.8	+0.1 0	4×4
14・15・16	5		2.3		5×5
18・19・20	6		2.8		6×6
25・28・30	8	±0.0180	3.3	+0.2 0	8×7
32・35・38	10				10×8
40・42	12	±0.0215			12×8
45	14		3.8		14×9

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