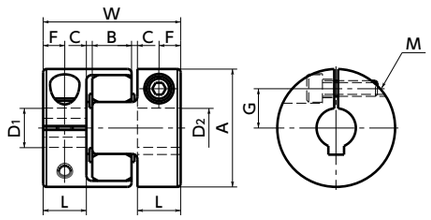
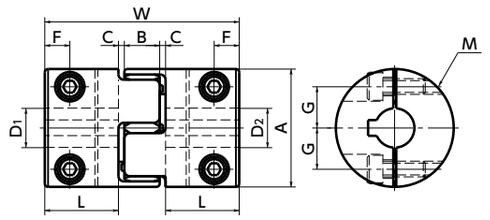
MJT-CK Flexible coupling - Jaw-type - Clamping + Key type NEW

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

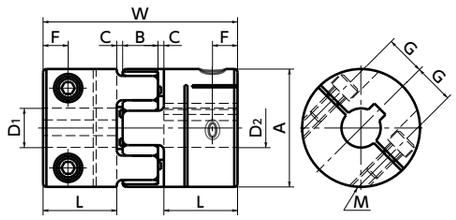
MJT-CK



Outside Diameter: ϕ30



Outside Diameter: ϕ40



Outside Diameter: ϕ55 - ϕ95

Dimensions

Unit : mm

Part Number 1	Bore diameter	A	L	W	B	C*1	Sleeve E	F	G	M	Screw Tightening Torque (N·m)
MJT-30CK	10 - 12	30	11	35	10	1.5	11	5.5	10	M4	2.5
	14 - 16								11	M3	1.5
MJT-40CK	10 - 20	40	25	66	12	2	18	8.5	14	M5	4
	22 - 25								15.75	M4	2.5
MJT-55CK	10 - 28	55	30	78	14	2	27.5	10.5	20	M6	8
	30 - 32								21	M5	4
MJT-65CK	14 - 32	65	35	90	15	2.5	31	13	24	M8	16
	35 - 38								25	M6	8
MJT-80CK	20 - 42	80	45	114	18	3	37	15	30	M8	16
	45								31		
MJT-95CK	25 - 48	95	50	126	20	3	45.5	18	34	M10	40
	50 - 55								36		

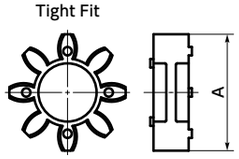
*1 Use with C Dimension

Part Number	D1 • D2 3																					
	Standard Bore Diameter																					
	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55
MJT-30CK	●	●	●																				
MJT-40CK	●	●	●	●	●	●																	
MJT-55CK					●	●	●	●	●			●											
MJT-65CK					●	●	●	●	●			●											
MJT-80CK													●	●	●	●	●						
MJT-95CK																		●	●	●			

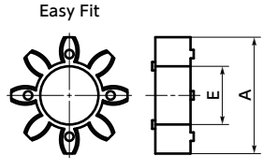
- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping + key type for one side and clamping type or other type for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.xxxx

● 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

● Part number specification

MJT-20C - WH - 6-6.35 (1 set)
1 2 3

MJ - 40 - RD - SLV (Single sleeve)
Sleeve Symbol | Outside Diameter (A Dimension) | 2 | Sleeve Symbol

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

Performance

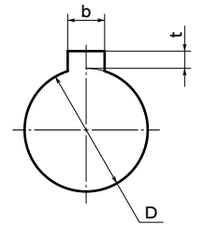
Part Number	Sleeve 2 Tight Fit	Sleeve 2 Easy Fit	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Zero Backlash*3 Allowable Transmission Torque (N·m)	Max. Rotational Frequency (min-1)	Moment*2 of Inertia (kg·m2)	Static Torsional Stiffness (N·m / rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)	Sleeve Hardness (JIS)
MJT-30CK	BL	EBL	16	4	8	0.5	21000	5.9×10^{-6}	46	0.2	1	$^{+1.0}_{0}$	41	A80
MJT-40CK	BL	EBL	25	4.9	9.8	1.2	15000	3.5×10^{-5}	380	0.15	1	$^{+1.2}_{0}$	130	
MJT-55CK	BL	EBL	32	17	34		11000	1.5×10^{-4}	1400	0.2	1	$^{+1.4}_{0}$	300	
MJT-65CK	BL	EBL	38	46	92		9000	3.5×10^{-4}	2800	0.2	1	$^{+1.5}_{0}$	490	
MJT-80CK	BL	EBL	45	95	190		7000	1.0×10^{-3}	3200	0.2	1	$^{+1.8}_{0}$	990	
MJT-95CK	BL	EBL	55	130	260		6000	2.3×10^{-3}	3600	0.2	1	$^{+2.0}_{0}$	1500	
MJT-30CK	WH	EWH	16	7.5	15	0.5	21000	5.9×10^{-6}	73	0.15	1	$^{+1.0}_{0}$	41	A92
MJT-40CK	WH	EWH	25	10	20	1.2	15000	3.5×10^{-5}	570	0.1	1	$^{+1.2}_{0}$	130	
MJT-55CK	WH	EWH	32	35	70		11000	1.5×10^{-4}	1600	0.15	1	$^{+1.4}_{0}$	300	
MJT-65CK	WH	EWH	38	95	190		9000	3.5×10^{-4}	3000	0.15	1	$^{+1.5}_{0}$	490	
MJT-80CK	WH	EWH	45	190	380		7000	1.0×10^{-3}	5300	0.15	1	$^{+1.8}_{0}$	990	
MJT-95CK	WH	EWH	55	265	530		6000	2.3×10^{-3}	6200	0.15	1	$^{+2.0}_{0}$	1500	
MJT-30CK	RD	ERD	16	12.5	25	0.5	21000	5.9×10^{-6}	130	0.1	1	$^{+1.0}_{0}$	41	A98
MJT-40CK	RD	ERD	25	17	34	1.2	15000	3.5×10^{-5}	1200	0.1	1	$^{+1.2}_{0}$	130	
MJT-55CK	RD	ERD	32	60	120		11000	1.5×10^{-4}	2600	0.1	1	$^{+1.4}_{0}$	300	
MJT-65CK	RD	ERD	38	160	320		9000	3.5×10^{-4}	4900	0.1	1	$^{+1.5}_{0}$	490	
MJT-80CK	RD	ERD	45	325	650		7000	1.0×10^{-3}	6500	0.1	1	$^{+1.8}_{0}$	990	
MJT-95CK	RD	ERD	55	450	900		6000	2.3×10^{-3}	8900	0.1	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. MJT-CK 's allowable operating temperature is −20℃ to 60℃.

*2 These are values with max. bore diameter.

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

● Details of Shaft Hole



Unit : mm

Standard bore Diameter D	keyway b Standard Dimension	b allowance (JS9)	t Standard Dimension	t allowance	Key Nominal Dimension b x h
10・11・12	4	±0.0150	1.8	$^{+0.1}_{0}$	4×4
14・15・16	5	±0.0150	2.3	$^{+0.1}_{0}$	5×5
18・19・20・22	6	±0.0150	2.8	$^{+0.1}_{0}$	6×6
24・25・28・30	8	±0.0180	3.3	$^{+0.2}_{0}$	8×7
32・35・38	10	±0.0180	3.3	$^{+0.2}_{0}$	10×8
40・42	12	±0.0215	3.3	$^{+0.2}_{0}$	12×8
45・48・50	14	±0.0215	3.8	$^{+0.2}_{0}$	14×9
55	16	±0.0215	4.3	$^{+0.2}_{0}$	16×10

- Excerpt from JIS B 1301

NBK +81-575-23-1162 info@nbk1560.com http://www.nbk1560.com