

MJC type

- **Clamp style**
- Zero backlash
- **Maximum lateral misalignment: 2.4 - 7 mm**
- Inner diameter: 3 - 30 mm
- Maximum transmittable torque: 1.7 - 37.5 Nm
- **Size 50 and 57 with key ways standard (JIS B1301 - 1996)**



<p>Blind hub</p> <p>● MJC-19, -25</p>	<p>Through hub</p> <p>● MJC-19L, -33, -41</p>
<p>Through hub</p> <p>● MJC-50, -57 with key way</p> <p style="text-align: right;">t2=key way depth</p>	

- A coupling consists of two hubs and one torque disc.

Service Factors

Select a size of coupling where the maximum transmittable torque* exceeds the
 "Maximum application torque × Service factor."

Load	Service factors
Uniform, steady state	1
Non-uniform, periodical, stop/start, reversing	2
Shock	3
Heavy shock, repeated impulsive, reversing	4
Servomotor	2.5 - 3.0

Specifications of MJC type

MJC			Coupling size of MJC-						
			19	19L	25	33	41	50	57
Maximum transmittable torque*	Blank disc	Nm	1.7	1.7	4	10	17	30	37.5
	Thro' disc (TB)		-	-	-	10	17	30	37.5
Torsional stiffness	Static strength	Blank disc	10	10	13	59	62	89	117
		Thro' disc (TB)	-	-	-	59	62	89	117
	Spring constant	Blank disc	115	115	205	166	185	570	575
		Thro' disc (TB)	-	-	-	107	241	235	624
Maximum compressive load		N	120	120	170	200	550	600	660
Electrical isolation between shafts		kV DC	6.8	6.8	7.7	8.1	11.4	13.8	16.2
Moment of inertia (Values apply with maximum bores)		kgm ² ×10 ⁻⁸	67	59	252	1,210	3,273	7,963	18,365
Misalignment	Angular	°	1						
	Lateral	mm	2.4	2.4	3	3.8	5	6	7
	Axial		0.2			0.3		0.4	
Clearance between hub and torque disc**		mm	0.1			0.15		0.2	
Mass (Values apply with maximum bores)		kg×10 ⁻³	12	14	31	75	122	197	340
Outer diameter	D	mm	19.1	19.1	25.4	33.3	41.3	50.0	57.0
Overall length	L1	mm	22.0	26.0	28.4	48.0	50.8	59.7	77.8
Mounting length*** (shaft depth, bore depth)	L2	mm	6.3	9.4	8.6	15.0	18.1	20.8	28.8
Distance	from hub end	L3	2.7	2.9	3.5	5.0	6.0	7.0	8.0
	from bore to screw	L4	6.1	6.1	8.0	10.8	14.0	17.3	21.0
Cap screws****	Size		M2.5		M3	M4	M5		M6
	Recommended tightening torque	Nm	1.32		2.21	5.06	9.71		15.82
Inner diameter (see tbl below)	Metric (min - max)	B1, B2	3-8	3-8	6-12	8-15	8-20	10-25	12-30
	Inch (min - max)	B1, B2	1/8-1/4	1/8-1/4	1/4-3/8	3/8-1/2	3/8-1/2	-	-
Torque disc	Blank disc		standard						
	Thro' disc (TB)		make to order			standard			

** Please make clearance of 0.1 - 0.2mm between torque disc and hubs respectively. The clearance absorbs axial misalignment and thermal expansion of shaft.

*** Shafts must not penetrate beyond L2 when installation.

**** Steel screws are standard, stainless steel screws are option.

Bores for MJC type

Inner diameter			Coupling size of MJC-						
			19	19L	25	33	41	50	57
B1,B2 (+0.03/ 0 [mm])	Metric [mm]	3	●	○					
		4	●	○					
		4.5	●	○					
		5	●	○					
		6	●	○	●				
		7	●	○	●				
		8	●	○	●	○	○		
		9			●	○	○		
		9.5			●	○	○		
		10			●	○	○	○	
		11			●	○	○	○	
		12			●	○	○	○	○
		13				○	○	○	○
		14				○	○	○	○
		15				○	○	○	○
		16					○	○	○
		17					○	○	○
		18					○	○	○
		19					○	○	○
		20					○	○	○
		22						○	○
		24						○	○
		25						○	○
		28							○
	30							○	
		Inch [in]	1/8	●	○				
			3/16	●	○				
			1/4	●	○	●			
			5/16			●			
			3/8			●	○	○	
	1/2					○	○		

●Blind hubs

○Through hubs

Ordering Example

Type	-	Coupling size	-	Inner diameter, small	×	Inner diameter, large
MJC	-	41	-	8	×	20

Please email us for further assistance: product@mighty-corp.co.jp