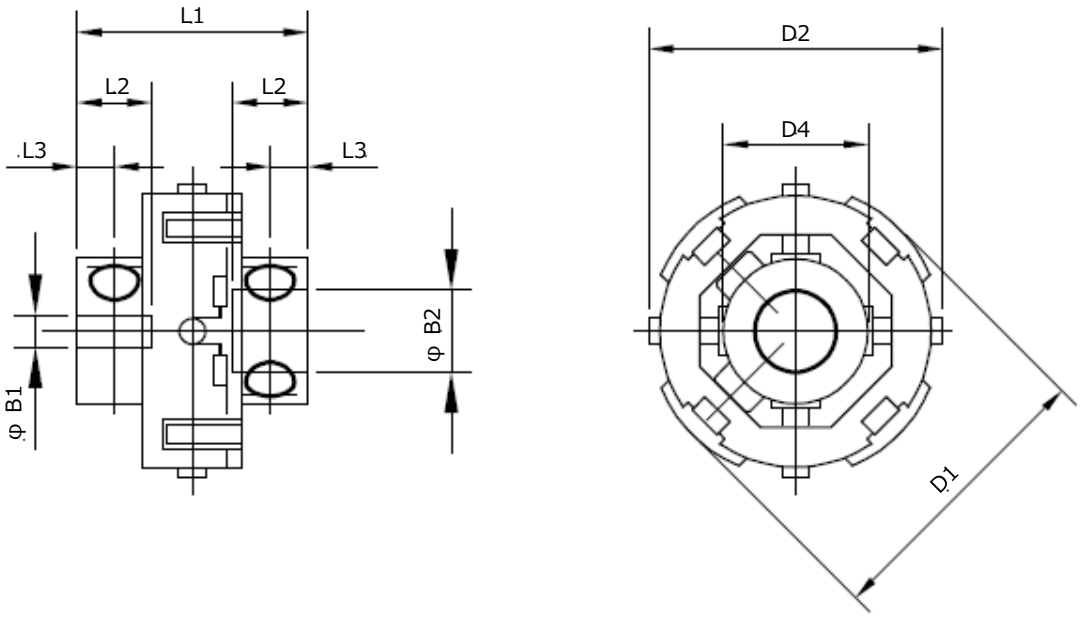
ML type

- **Set screw style**
- Zero backlash
- **Angular and lateral misalignment compensation**
- Inner diameter: 2 - 12 mm
- Maximum transmittable torque: 0.3 - 3.5 Nm

●ML-18, -27, -41



- ML type is all through bored.

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 ML type

ML				Coupling size of ML-		
				18	27	41
Maximum transmittable torque*			Nm	0.3	1.7	3.5
Torsional stiffness	Static stregth		Nm	0.9	5.0	10.5
	Spring constant		Nm/rad.	25	92	299
Axial	maximum loading		N	19	31	39
	stiffness		N/mm	155	350	250
Electrical isolation between shafts (Values apply when offset ≤5°)			kV DC	3		
Moment of inertia (Values apply with maximum bores)			$kgm^2 \times 10^{-8}$	20	91	476
Misalignment	Angular		°	10		
	Lateral		mm	1.3		
Mass (Values apply with maximum bores)			$kg \times 10^{-3}$	7	16	30
Outer diameter	Torque ring	D1	mm	18.0	27.2	41.4
	Pivot pin	D2		18.0	28.0	41.3
	Hub	D4		8.9	12.7	22.1
Overall length		L1	mm	14.2	19.1	28.4
Mounting length (shaft depth, bore depth)**		L2	mm	4.6	6.1	8.6
Distance	from hub end to screw	L3	mm	2.3	2.5	3.8
Set screws***	Size			M3		M5
	Recommended tightening torque		Nm	0.7		3.0

** Shafts must not penetrate beyond L2 when installation.

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

Bores for ML type

Inner diameter			Coupling size of ML-		
			18	27	41
B1, B2 (+0.03/ 0 [mm])	Metric [mm]	2	○		
		2.5	○		
		3	○	○	
		4	○	○	
		4.5	○	○	
		5	○	○	
		6		○	○
		7		○	○
		8		○	○
		9			○
		9.5			○
		10			○
		11			○
		12			○
	Inch [in]	1/8	○	○	
		3/16	○	○	
		1/4		○	○
		5/16		○	○
		3/8			○
		1/2			○

○through hubs

Ordering Example

Type	-	Coupling size	-	Inner diameter, small	×	Inner diameter, large
ML	-	41	-	6	×	12

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