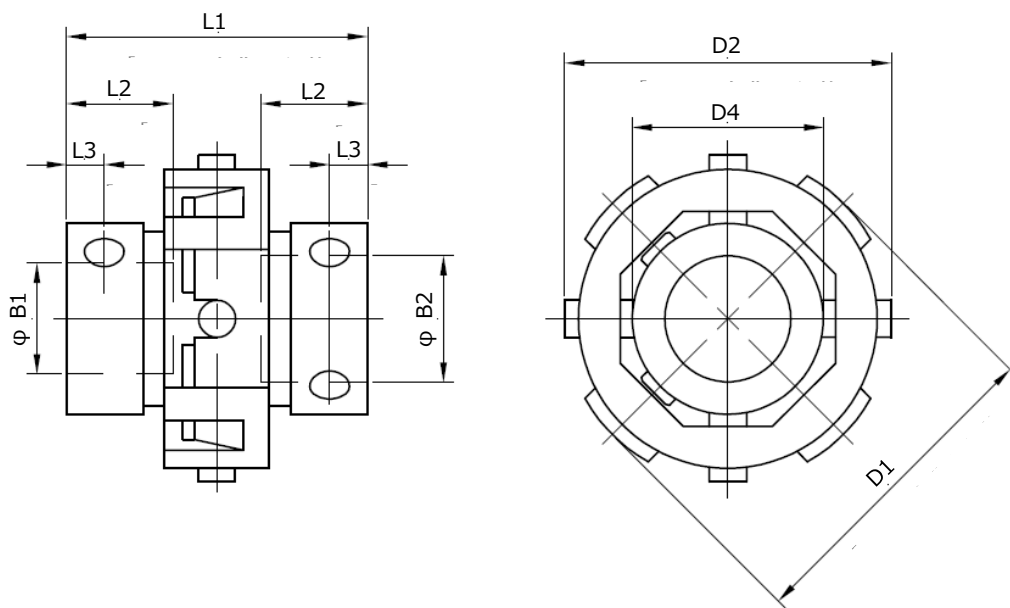


MLL type

- Set screw style
- Zero backlash
- Angular and lateral misalignment compensation
- Inner diameter: 5 - 16 mm
- Maximum transmittable torque: 0.3 - 3.5 Nm



● MLL-18, -27, -33, -41



- MLL 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 MLL type

MLL			Coupling size of MLL-			
			18	27	33	41
Maximum transmittable torques*		Nm	0.3	1.7	2.5	3.5
Torsional stiffness	Static strength	Nm	0.9	5.0	7.5	10.5
	Spring constant	Nm/rad.	25	92	146	299
Axial	maximum loading	N	19	31	34	39
	stiffness	N/mm	155	350	300	250
Electric isolation between shafts (Values apply when offset ≤5°)		kV DC	3			
Moment of inertia (Values apply with maximum bores)		kgm ² ×10 ⁻⁸	20	91	165	476
Misalignment	Angular	°	10			
	Lateral	mm	1.3			
Mass (Values apply with maximum bores)		kg×10 ⁻³	7	16	17	30
Outer diameter	Torque ring	D1	18.0	27.2	33.7	41.4
	Pivot pin	D2	18.0	28.0	33.3	41.3
	Hub	D4	11.1	15.1	20.1	24.2
Overall length		L1	19.1	25.4	30.7	38.1
Mounting length (shaft depth, bore depth)**		L2	7.0	9.3	10.9	13.5
Distance	from hub end to screw	L3	2.3	2.5	3.9	4.8
Set screws***	Size		M3		M4	M5
	Recommended tightening torque	Nm	0.7		1.7	3.0

** Shafts must not penetrate beyond L2 when installation.

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

Bores for MLL type

Inner diameter			Coupling size of MLL-			
			18	27	33	41
B1, B2 (+0.03/ 0 [mm])	Metric [mm]	5			○	
		6	○		○	
		7			○	
		8			○	
		9		○	○	
		9.5		○	○	
		10		○	○	
		11			○	
		12			○	
		14				○
		15				○
		16				○
		Inch [in]	1/4	○		○
	5/16				○	
	3/8			○	○	
	1/2				○	
	5/8					○

○through hubs

Ordering Example

Type	-	Coupling size	-	Inner diameter, small	×	Inner diameter, large
MLL	-	33	-	5	×	12

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