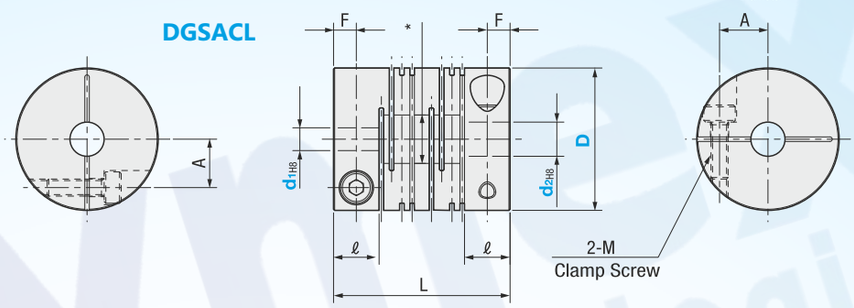
Slit Couplings Long, Clamping Type

Features: Product quality and performance same as of the conventional products but at lower price. Replaceable from DCPLCN

DGSACL



*d_1, d_2 Identical Diameter = d_1+0.5
d_1, d_2 Different Diameters = Large Shaft Diameter

Type	M Material	S Surface Treatment	A Accessory
DGSACL	Aluminum Alloy	Clear Anodize	Clamp Screw

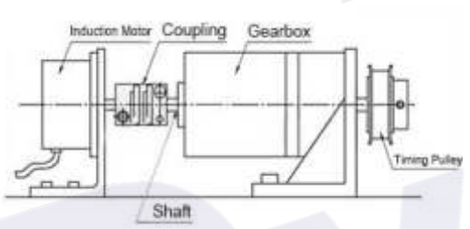
- The lateral, angular, and axial misalignment values shown are for each occurring individually. When multiple misalignments are occurring simultaneously, the allowable maximum
- Tolerances for d1 and d2 are values before slit machining

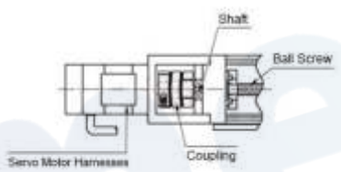
Part Number		d_1	d_2	L	ℓ	F	A	Clamp Screw	
Type	D							M (Coarse)	Tightening Torque (N • m)
Clamping DGSACL	16	4	4 5	23	6.4	3.2	5.5	M2.5	1.0
		5	5 8						
	20	5	6 8	26	7	3.5	6.5		
		6	6 8 10						
	25	6	10	31	8	4	8.5	M3	1.5
		6.35	8 10						
		8	8 10 12						
	32	10	10 11 12 14	41	11	5.5	10.5	M4	3.5
		12	12 14						

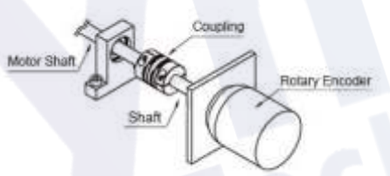
Part Number		Allowable Torque (N • m)	Max. Rotational Speed (rpm)	Moment of Inertia (kg • m2)	Static Torsional Spring Constant (N • m/rad)	Lateral Misalignment (mm	Allowable Angular Misalignment (°)	Allowable Axial Misalignment (mm)	Mass (g)
Type	D								
DGSACL	16	0.5	10,000	$7.0x10^{-7}$	53	0.1	2	±0.4	9
	20	1		$1.6x10^{-6}$	120				16
	25	2		$4.4x10^{-6}$	260	0.15		±0.5	28
	32	4		$1.7x10^{-5}$	550				66

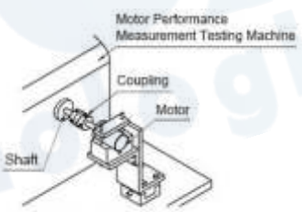
- Static torsional spring constant, inertia moment, and mass values are for cases of maximum shaft diameter.
- For the selection criteria and alignment procedures

Example of Use coupling









Basic Specifications

- **Application -** For Servo Motors / Stepping Motor
- **Max. Rotational Speed Range (r/min) -** 4001~10000
- **Product Category -** Coupling Main Body
- **Standard/Short -** Standard Type
- **Allowable Lateral Misalignment Range (mm)** - 0.02~0.2
- **Features -** High Torsional Rigidity / Zero Backlash / Low Moment of Inertia
- **Body Material** - Aluminum Alloy
- **Shaft Bore Shape** - Standard Bore
- **Max. Rotational Speed (r/min)-** 10000
- **Shaft Tightening Method -** Fastening Bolt
- **Allowable Misalignment -** Angular Misalignment / Eccentricity / Axial Misalignment

ORDERING GUIDE

Part Number	—	Shaft Bore Dia. d1	—	Shaft Bore Dia. d2
DGSACL25	—	6	—	10

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