

Slit Couplings

Clamping, Short/Long

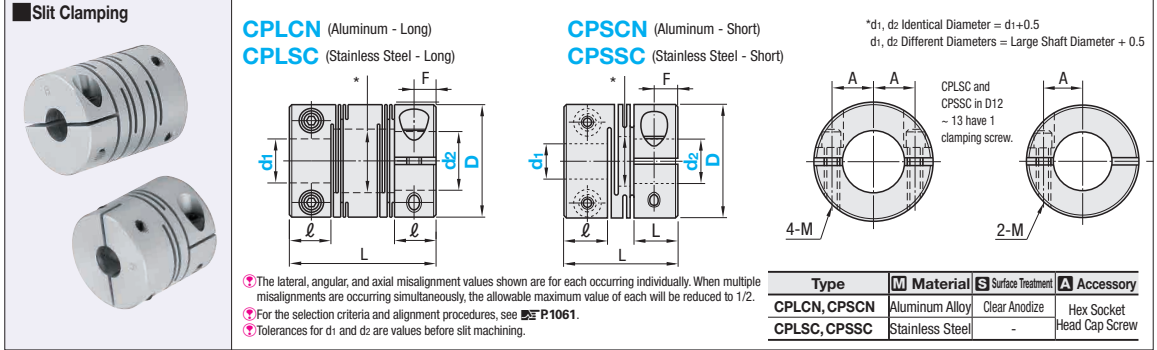
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

MISUMI VALUE Slit Couplings

Clamping Long

Points of comparison between similar products | Max. Rotational Speed: 19,000~52,000rpm

Features: Because backlash is 0, it is suitable for applications where rotation accuracy is required.



Part Number	Type	D	d1	d2		L		ℓ		M (Coarse)	A	F		Slip Torque (N·m)		Unit Price																																												
				CPLCN/CPLSC	CPSCN/CPSSC	CPLCN/CPLSC	CPSCN/CPSSC	CPLCN/CPLSC	CPSCN/CPSSC			CPLCN/CPLSC	CPSCN/CPSSC	CPLCN/CPLSC	CPSCN/CPSSC	CPLCN	CPLSC	CPSCN	CPSSC																																									
12	CPLCN (Aluminum)	12	4	4	5	18.5	14	5	5.2	M2	4	2.5	2.6	-	-																																													
																				16	5	6	23	18	6.5	6.8	5	3.25	3.4	-	-																													
																																						20	6.35	8	26	20	7.5	7.65	6.5	3.75	3.8	-	-											
																																																								25	8	31	25	8.5
32	8	10	41	32	12	12.6	M4	11	6	6.3	1.2	1.9	0.9	-																																														
																					40	10	12	56	-	17	-	M5	14	8.5	-	-	-	-																										
																																										14	14	14	-	-	-	-	-	-	-	-	-	-						

*CPSCN and CPSSC are available in * marked sizes only. When slip torque is less than the allowable torque, use within slip torque.

Part Number	Type	D	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Static Torsional Spring Constant (N·m/rad)	Lateral Misalignment (mm)	Angular Misalignment (°)	Allowable Axial Misalignment (mm)	Screw Tightening Torque (N·m)	Mass (g)
CPLCN (Aluminum)		12	0.4	52000	7.8x10 ⁻⁸	45	0.10	2	±0.3	0.5	3.6
		16	0.5	39000	3.4x10 ⁻⁷	80	0.10	2	±0.4	1	9.2
		20	1	31000	9.1x10 ⁻⁷	170	0.15	2	±0.5	1.5	28
		25	2	25000	2.6x10 ⁻⁶	380	0.20	2	±0.5	2.5	64
		32	4	19000	9.7x10 ⁻⁶	500	0.20	2	±0.5	4	140

Part Number	Type	D	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Static Torsional Spring Constant (N·m/rad)	Lateral Misalignment (mm)	Angular Misalignment (°)	Allowable Axial Misalignment (mm)	Screw Tightening Torque (N·m)	Mass (g)
CPSCN (Aluminum)		12	0.4	52000	6.4x10 ⁻⁸	80	0.10	1	±0.1	0.5	3
		16	0.5	39000	2.9x10 ⁻⁷	180	0.10	1	±0.2	1	8
		20	1	31000	7.5x10 ⁻⁷	200	0.15	1	±0.2	1.5	25
		25	2	25000	2.3x10 ⁻⁶	780	0.20	1	±0.2	2.5	53
		32	4	19000	8.1x10 ⁻⁶	1100	0.20	1	±0.2	2.5	53

Part Number	Type	D	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Static Torsional Spring Constant (N·m/rad)	Lateral Misalignment (mm)	Angular Misalignment (°)	Allowable Axial Misalignment (mm)	Screw Tightening Torque (N·m)	Mass (g)
CPLSC (Stainless Steel)		12	0.3	52000	1.8x10 ⁻⁷	140	0.10	1	±0.1	0.5	8.5
		16	0.5	39000	7.8x10 ⁻⁷	240	0.10	1	±0.1	1	21
		20	1	31000	2.1x10 ⁻⁶	330	0.15	1	±0.2	1.5	38
		25	2	25000	6.3x10 ⁻⁶	720	0.20	1	±0.2	2.5	69
		32	3.5	19000	2.2x10 ⁻⁵	1300	0.20	1	±0.2	2.5	150

*CPSSC does not allow eccentricity.

Ordering Example: Part Number - Shaft Bore Dia. d1 - Shaft Bore Dia. d2
CPLCN16 - 5 - 6

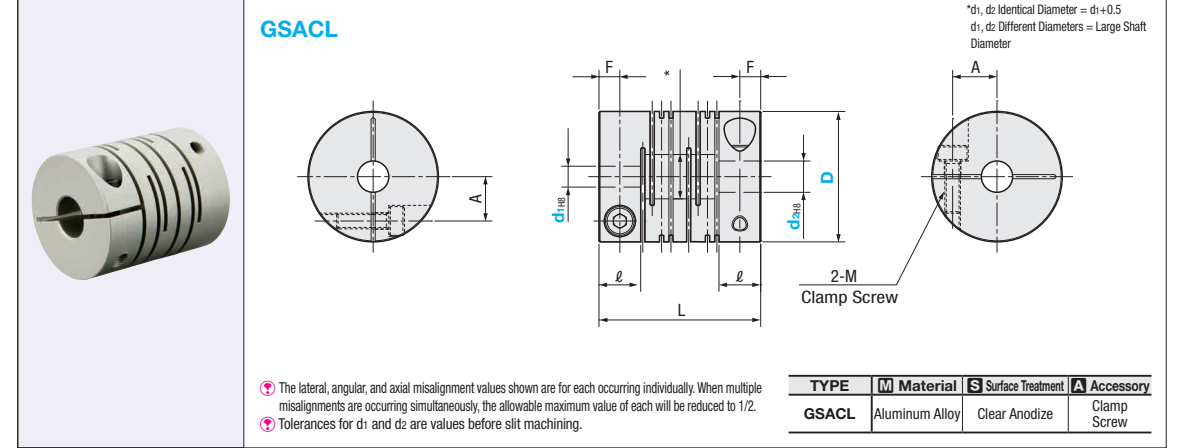
Alterations: Part Number - Shaft Bore Dia. d1 (LDC) - Shaft Bore Dia. d2 (RDC)
CPLCN25 - LDC6.5 - RDC9

Alterations	Code	Spec.
Shaft Bore Dia.	LDC (Left Shaft)	0.1mm Increment Ordering Code LDC5.6 RDC10.2
	RDC (Right Shaft)	Set Screw D LDC, RDC 8 2~3 12 4~5 12 3~6 16 5~6 16 4~8 20 5~8 20 5~10 25 5~10 25 5~12 32 8~14 32 6~16 40 8~18
*Not applicable to Clamping Type D=40. *LDC and RDC tolerance are values before slit machining.		

Points of comparison between similar products | Max. Rotational Speed: 10,000rpm

Similar products page P.1071

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



Part Number	Type	D	d1	d2		L	ℓ	F	A	Clamp Screw		Unit Price												
				M (Coarse)	Tightening Torque (N·m)																			
Clamping GSACL	16	16	4	4	5	23	6.4	3.2	5.5	M2.5	1.0													
													20	5	6	8	26	7	3.5	6.5				
																							25	6
													32	6.35	8	10	41	11	5.5	10.5	M4	3.5		

Characteristic Values

Part Number	Type	D	Allowable Torque (N·m)	Max. Rotational Speed (rpm)	Moment of Inertia (kg·m ²)	Static Torsional Spring Constant (N·m/rad)	Lateral Misalignment (mm)	Allowable Angular Misalignment (°)	Allowable Axial Misalignment (mm)	Mass (g)
GSACL		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				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, see P.1061, 1062.

Ordering Example: Part Number - Shaft Bore Dia. d1 - Shaft Bore Dia. d2
GSACL25 - 6 - 10