Order guide

C (Major category) XG (Category) E (Series) - 1 (1 Diaphragm) - D34 (2 Outer diameter) - d6 (3 Inner diameter) - e6 (4 Inner diameter) - Dh6.1 eh8.5 (5 Optional processing)

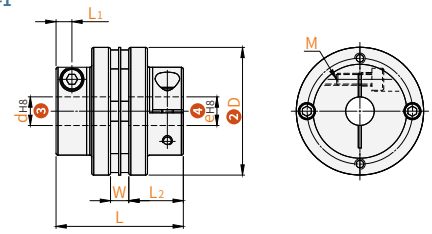
◉ Please refer to the series code to select the type and parameters for ordering.

Code	Type	Shaft locking type	Diaphragm ❶	Material		Surface treatment	Accessory
				Main body	Diaphragm		
CXGE-1	Economic stepped diaphragm	Screw clamping	Single diaphragm	aluminum alloy	Stainless steel	Anodizing	Hexagon socket cheese head screw
CXGE-2			Double diaphragm				

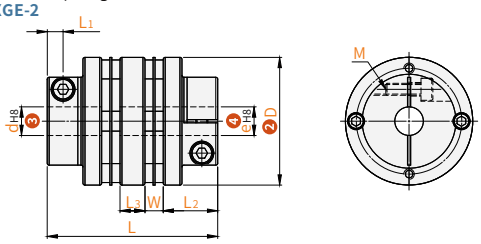
◉ Feature

- Transmission by friction bonding without backlash, which is ideal for ultra-precision control.

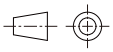
Single diaphragm
CXGE-1



Double diaphragm
CXGE-2



◉ The surface may be marked due to the manufacturing process.
◉ If multiple deviations occur at the same time due to eccentricity, deviation angle, and displacement in the axial direction, the various allowable values will be reduced.



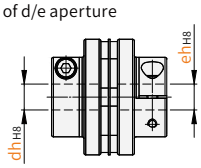
Visual standards: first perspective

Model Code	D ❷	❸ Selection ❹ (but d ⩽ e)
Single diaphragm CXGE-1	34	6 6.35 7 8 9 9.525 10
	44	8 9 9.525 10 11 12 12.7 13 14 15 16
	56	10 11 12 12.7 13 14 15 16 17 18 19 20
Double diaphragm CXGE-2	68	12 12.7 13 14 15 16 17 18 19 20 22 24 25
	82	14 15 16 17 18 19 20 22 24 25 28 30

Model Code	D ❷	L	L1	L2	L3	W	M	Locking torque (N·m)	Rated torque (N·m)	Max. torque (N·m)	RPM (r/min)	(kg·m²)	Static torsional rigidity (N·m/rad)	Allowable mounting deviation Radial(mm)	Angular(°)	Axial(mm)	Weight (g)
Single diaphragm CXGE-1	34	27.35	4.0	12		3.35	M3	1.5	4	8		4.00×10^{-6}	2005			±0.2	30
	44	36.4	5.0	15		4.60	M4	3.4	10	20		1.65×10^{-5}	5205			±0.3	68
	56	45.25	6.6	20	—	5.25	M5	7.0	25	50	10000	5.50×10^{-5}	11005	0.02	1	±0.4	147
	68	53.8	7.6	24		5.80	M6	14.0	60	120		1.45×10^{-4}	19005			±0.45	262
	82	68.0	9.3	30		8.00	M8	30.0	100	200		4.79×10^{-4}	22005			±0.55	470
Double diaphragm CXGE-2	34	38.2	4	12	7.5	3.35	M3	1.5	4	8		7.33×10^{-6}	1705	0.18		±0.36	49
	44	48.2	5	15	9.0	4.60	M4	3.4	10	20		2.95×10^{-5}	3005	0.24		±0.60	108
	56	62.5	6.6	20	12.0	5.25	M5	7.0	25	50	10000	9.89×10^{-5}	8505	0.28	1 (unilateral)	±0.80	232
	68	73.6	7.6	24	14.0	5.80	M6	14.0	60	120		2.52×10^{-4}	12005	0.32		±0.90	408
	82	98	9.3	30	22.0	8.00	M8	30.0	100	200		7.24×10^{-4}	15005	0.52		±1.00	680

◉ Moment of inertia and weight are calculated based on the maximum hole diameter.

○ Optional processing

Code ❺	dh() eh()
Optional illustrations	Change of d/e aperture 
Selection method	dh6.1 eh8.5 • Min. unit 0.1 • dh shall be ⩽ eh • Change d(e) to dh (eh) when selecting a model.

D	dh·eh
34	6~10
44	8~16
56	10~20
68	12~25
82	14~30