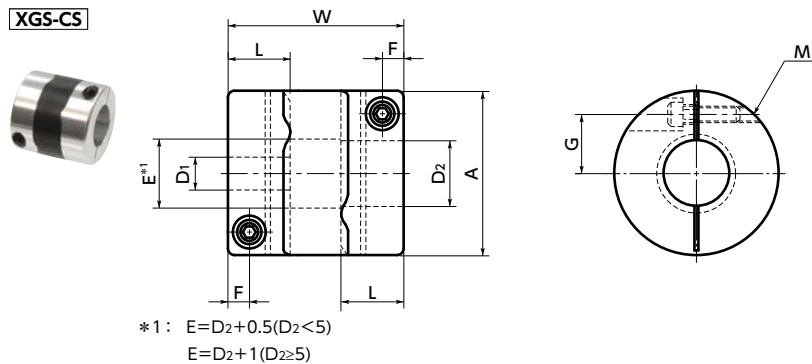


XGS-CS Flexible Couplings - High - gain Rubber Type (short) - Single Clamp Type

Zero Backlash High gain supported High torque Vibration absorption

XGS-CS



Dimensions

Unit: mm

Part Number	A	L	W	F	G	M	Screw Tightening Torque (N·m)
XGS-15CS	15	6.5	18	2.15	5	M1.6	0.25
XGS-19CS	19	7.7	20	2.65	6.5	M2	0.5
XGS-25CS	25	9.5	27	3.25	9	M2.5	1
XGS-27CS	27	9.5	27	3.25	10	M2.5	1
XGS-30CS	30	11	30	4	11	M3	1.5
XGS-34CS	34	12	35	4	12.25	M3	1.5
XGS-39CS	39	15.5	40	4.5	14.5	M4	2.5

Part Number	Standard Bore Diameter D1-D2									
XGS-15CS	3 - 5	3 - 6	4 - 4	4 - 5	4 - 6	4.5 - 5	5 - 5	5 - 6	6 - 6	
XGS-19CS	4 - 5 8 - 8	5 - 5	5 - 6	5 - 7	5 - 8	6 - 6	6 - 6.35	6 - 7	6 - 8	6.35 - 8
XGS-25CS	5 - 6 8 - 10	5 - 8 8 - 11	6 - 6 8 - 12	6 - 8 10 - 10	6 - 10 10 - 12	6 - 11 12 - 12	6 - 12	6.35 - 8	6.35 - 10	8 - 8
XGS-27CS	5 - 6 8 - 10	5 - 8 8 - 11	5 - 14 8 - 12	6 - 6 8 - 14	6 - 8 10 - 10	6 - 10 10 - 12	6 - 11 10 - 14	6 - 12 12 - 12	6 - 14 12 - 14	8 - 8 14 - 14
XGS-30CS	8 - 8 10 - 15	8 - 10 11 - 12	8 - 11 12 - 12	8 - 12 12 - 14	8 - 14 12 - 15	8 - 15 14 - 14	10 - 10 14 - 15	10 - 11 15 - 15	10 - 12	10 - 14
XGS-34CS	8 - 8 10 - 15	8 - 10 11 - 11	8 - 11 11 - 12	8 - 12 12 - 12	8 - 14 12 - 14	8 - 15 12 - 15	10 - 10 14 - 14	10 - 11 14 - 15	10 - 12 15 - 15	10 - 14 16 - 16
XGS-39CS	10 - 10 12 - 20	10 - 12 14 - 14	10 - 14 14 - 15	10 - 15 14 - 16	10 - 16 15 - 15	12 - 12 15 - 16	12 - 14 15 - 19	12 - 15 16 - 16	12 - 16 17 - 17	12 - 19 20 - 20

- All products are provided with hex socket head cap screw.
- Recommended tolerance for shaft diameters is h6 and h7.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

Performance

Part Number	Max. Bore Diameter (mm)	Keyway Additional Modification Max. Bore Diameter (mm)	Rated *1 Torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass *2 (g)
XGS-15CS	6	—	0.5	42000	2.0×10^{-7}	25	0.15	1.5	±0.2	7
XGS-19CS	8	6	0.8	33000	5.7×10^{-7}	63	0.15	1.5	±0.2	11
XGS-25CS	12	9	2.3	25000	2.2×10^{-6}	100	0.15	1.5	±0.2	24
XGS-27CS	14	10	2.3	23000	3.0×10^{-6}	120	0.15	1.5	±0.2	27
XGS-30CS	15	11	3.3	21000	5.3×10^{-6}	160	0.2	1.5	±0.3	38
XGS-34CS	16	12	5.5	18000	9.9×10^{-6}	350	0.2	1.5	±0.3	58
XGS-39CS	20	15	7	16000	2.0×10^{-5}	440	0.2	1.5	±0.3	86

*1: Correction of rated torque due to load fluctuation is not required. If ambient temperature exceeds 30°C, be sure to correct the rated torque with temperature correction factor shown in the following table.

The allowable operating temperature of **XGS-CS** is -20°C to 80°C.

※ The shaft's slip torque may be smaller than the coupling's rated torque depending on the shaft bore. ➡ P.xxxx

*2: These are values with max. bore diameter.

• Ambient Temperature / Temperature Correction Factor

Ambient Temperature	Temperature Correction Factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

• Part number specification

XGS-34CS - 11-12

1 2

Additional Keyway at Shaft Hole ➡ P.xxxx Cleanroom Wash & Packaging ➡ P.xxxx Change to Stainless Steel Screw ➡ P.xxxx
 Available / Add'l charge Please combine with Stainless Steel Screw Alteration Service Available / Add'l charge