

XGT2-C / XGL2-C / XGS2-C Flexible Couplings - High-gain Rubber Type Patented

- Zero Backlash
- High gain supported
- High torque
- High Rigidity
- Vibration absorption
- Electrical Insulation

Structure

Clamping Type

- XGT2-C** Standard type → P.xxxx
- XGL2-C** Long type → P.xxxx
- XGS2-C** Short type → P.xxxx



Internal Structure



Material/Finish

	XGT2-C / XGL2-C / XGS2-C
Hub	A2017
High-Gain Rubber	FKM *1
Hex Socket Head Cap Screw	SCM435 Ferrosferic Oxide Film (Black)

*1: **XGT2-68C** uses HNBR high-gain rubber.

Applicable motors

	XGT2-C / XGL2-C / XGS2-C
Servomotor	○
Stepping Motor	○
General-purpose Motor	●

○: Excellent ●: Available

Property

	XGT2-C (O.D. φ56 or Less) / XGL2-C / XGS2-C	XGT2-C (O.D. φ68)
Zero Backlash	○	○
For Servomotor High Gain	○	○
High Torque	○	○
High Torsional Stiffness	○	○
Allowable Misalignment	○	○
Vibration Absorption Characteristics	○	○
Electrical Insulation	○	-
Allowable Operating Temperature	-10°C to 120°C	-20°C to 80°C

○: Excellent ○: Very good

- High-gain flexible coupling which surpasses **XGT-C**, **XGL-C**, **XGS-C** in performance. This is a single-piece construction with the two aluminum hubs molded with high-gain rubber.
- The optimal damping and rigidity design enables realization of even greater servomotor gain, leading to reduced stabilization time.
- Technical information → P.xxxx
- Suppressing speed unevenness control during stepping motor operation is effective. → P.xxxx
- Contributes to improved productivity and quality by suppressing residual vibration during positioning.
- O.D. φ15 - φ56 types use high-gain fluoro-resin rubber. Heat resistance, oil resistance, and chemical resistance are excellent. → P.xxxx
- Standard type **XGT2-C** / long type **XGL2-C** / short type **XGS2-C** are now standardized.

Application

Semiconductor manufacturing equipment / Mount machines / Machine tools / Packaging machines

Part number specification

XGT2-19C-6-8

Product Code Size Bore Diameter

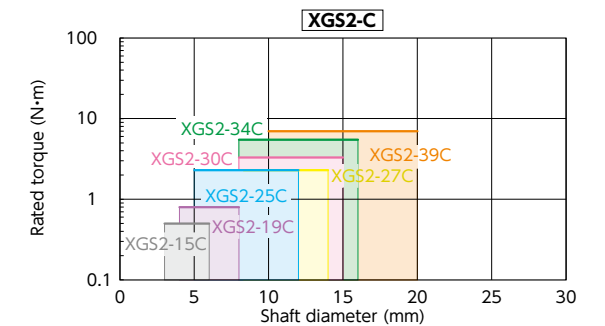
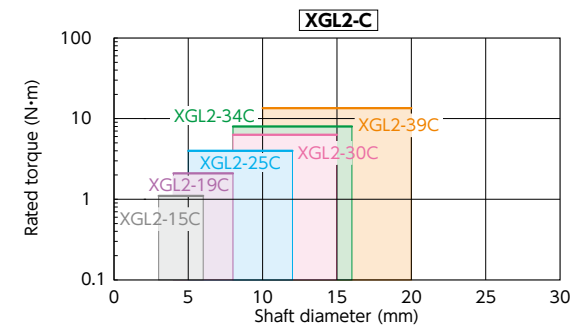
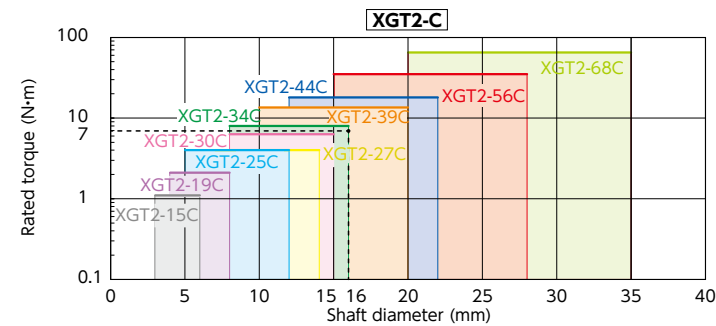
Please refer to dimensional table for part number specification.



Selection

Selection Based on Shaft Diameter and Rated Torque

The area bounded by the shaft diameter and rated torque indicates the selection size.



Selection Example

In case of selected parameters of shaft diameter of φ16 and load torque of 7N·m, the selected size is

XGT2-34C.

Selection Based on the Rated Output of the Servomotor

Rated Output (W)	Servomotor Specifications*1			Selection Size		
	Diameter of Motor Shaft (mm)	Rated Torque (N·m)	Instantaneous Max. Torque (N·m)	XGT2-C	XGL2-C	XGS2-C
10	5 - 6	0.032	0.096	15C	15C	15C
20	5 - 6	0.064	0.19	15C	15C	15C
30	5 - 7	0.096	0.29	19C	19C	19C
50	6 - 8	0.16	0.48	19C	19C	19C
100	8	0.32	0.95	19C	19C	25C
200	9 - 14	0.64	1.9	27C	30C	27C
400	14	1.3	3.8	27C	30C	34C
750	16 - 19	2.4	7.2	39C	39C	-

*1: Motor specifications are based on general values. For details, see the motor manufacturer's catalogs. This is the size for cases where devices such as reduction gears are not used.

- Additional Keyway at Shaft Hole → P.xxxx
- Cleanroom Wash & Packaging → P.xxxx
- Change to Stainless Steel Screw → P.xxxx