

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

- WEB Selection Tool
- WEB CAD Download
- 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

RoHS2 Compliant

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

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

### Recommended Applicable Motor

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

○: Excellent ○: Very good ●: 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

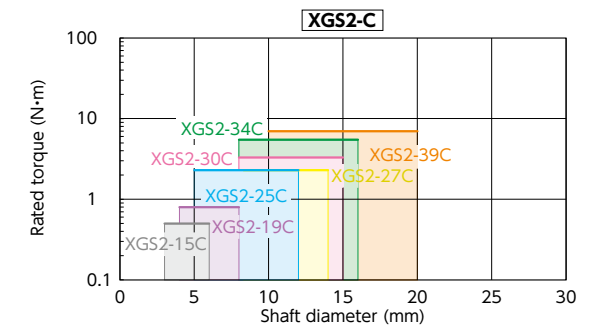
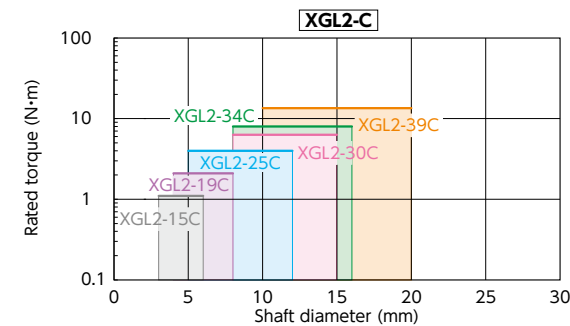
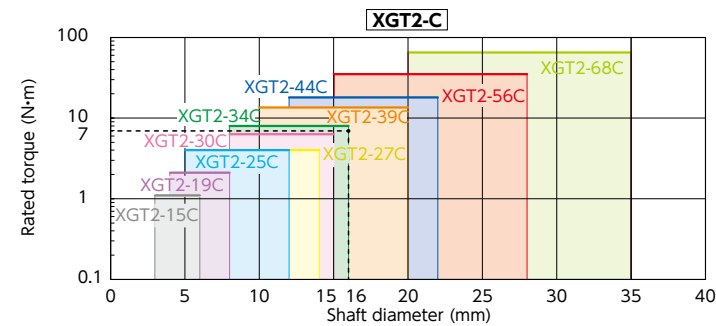
Please refer to dimensional table for part number specification.



## 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
- Available / Add'l charge
- Please combine with Stainless Steel Screw Alteration Service
- Available / Add'l charge