

# XGT2/XGL2/XGS2 Flexible coupling - High - gain rubber type Patent Pending

[WEB Selection Tool](#)
[WEB CAD Download](#)
[Zero Backlash](#)
[High gain supported](#)
[High torque](#)
[High Rigidity](#)
[Vibration absorption](#)

## Structure

### Clamping type

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



### Internal Structure



### Servomotor

	XGT2 / XGL2 / XGS2
Servomotor	⊙
Stepping Motor	⊙
General-purpose motor	⊙

⊙: Excellent ○: Very good

### Property

	XGT2 / XGL2 / XGS2
Zero Backlash	⊙
For servomotor high gain	⊙
High torque	⊙
High Torsional Stiffness	⊙
Allowable Misalignment	○
Vibration absorption	⊙
Allowable operating temperature	-10°C to 120°C

⊙: Excellent ○: Very good

● High-gain flexible coupling which surpasses of **XGT** **XGL** **XGS** in performance. This is a singlepiece construction with the two aluminum hubs molded with vibration-absorbing rubber.

● He optimal damping and rigidity design enables realization of even greater servomotor gain, leading to a reduction in stabilization time.

→ P.xxxx (Technical Information)

● Suppresses speed unevenness during stepping motor operation. → P.xxxx

● Contributes to improved productivity and quality by suppressing residual vibration during positioning.

● Features outstanding thermal, oil and chemical resistance.

→ P.xxxx (Physical properties and chemical resistance of vibration-absorbing rubber)

● Standard type **XGT2** , Long type **XGL2** and Short type **XGS2** standardized.

### Application

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

### Material/Finish



	XGT2-C / XGL2-C / XGS2-C
Hub	A2017
Vibration-absorbing rubber	FKM
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film (Black)

### Part number specification

## XGT2-19C-6-8

Product Code    Size    Bore Diameter

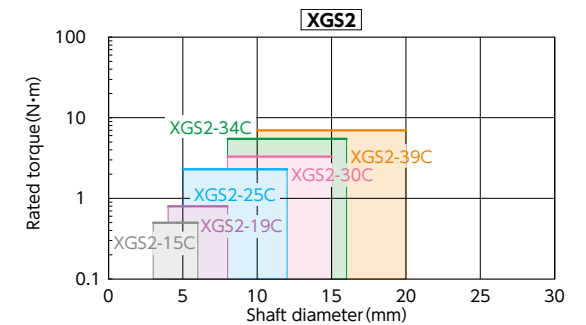
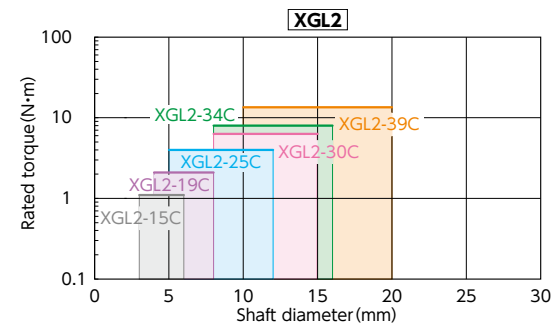
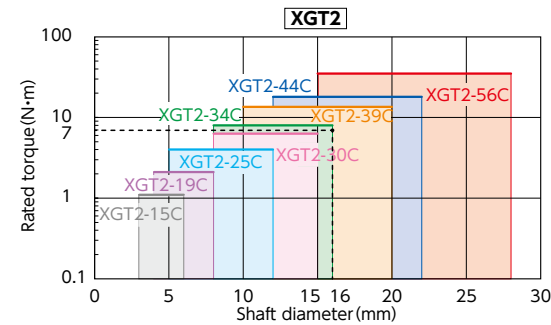
Please refer to dimensional table for part number specification.



## Selection

### Selection based on shaft diameter and rated torque

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



### Selection example

In case of selected parameters of shaft diameter of  $\phi$  16 and load torque of 7N·m, the selection size is

**XGT2-34C** .

### Selection based on the rated output of the servomotor

Rated output (W)	Servomotor specifications*			Selection size		
	Diameter of motor shaft (mm)	Rated torque (N·m)	Instantaneous max. torque (N·m)	XGT2	XGL2	XGS2
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	30C	30C	30C
400	14	1.3	3.8	30C	30C	34C
750	16 - 19	2.4	7.2	39C	39C	-

\*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 Available / Add'l charge](#)
[Cleanroom Wash & Packaging → P.xxxx Available / Add'l charge](#)
[Change to Stainless Steel Screw → P.xxxx Available / Add'l charge](#)