XGT2/XGL2/XGS2 Flexible coupling - High - gain rubber type

Additional Size Patent Pending

Selection Tool | 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℃ to 120℃

◎: 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

RoHS Compliant

	XGT2 / XGL2 / XGS2
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

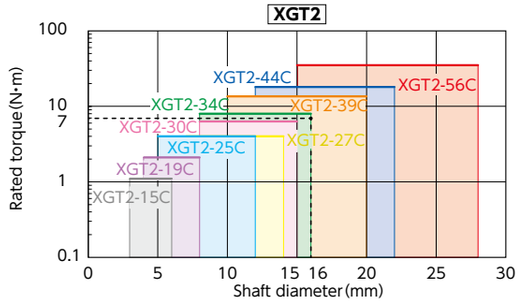
Please refer to dimensional table for part number specification.

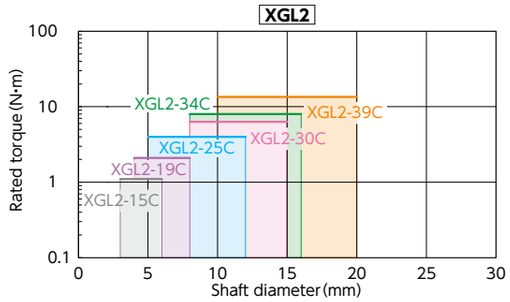
Additional Keyway at Shaft Hole ➡ P.xxxx	Cleanroom Wash & Packaging ➡ P.xxxx	Change to Stainless Steel Screw ➡ P.xxxx
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

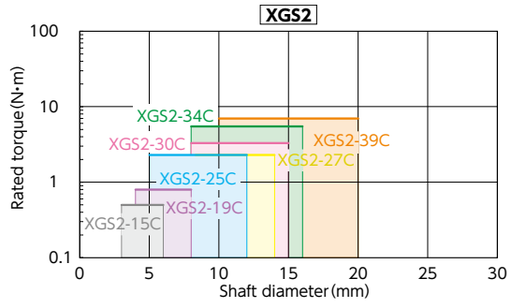
Selection

● 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 ϕ 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	27C	30C	27C
400	14	1.3	3.8	27C	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.