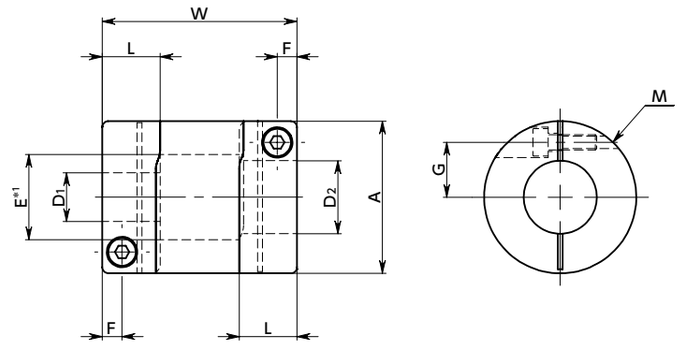
XGT2-C Flexible Couplings - High-gain Rubber Type - Standard Type

Additional Size Patented

Selection Tool | CAD Download | Zero Backlash | High gain supported | High torque | High Rigidity | Vibration absorption | Electrical Insulation

XGT2-C



*1: E=D2+0.5(D2<5)
E=D2+1(D2≥5)

Dimensions

Unit : mm

Part Number 1	A	L	W	F	G	M	Screw Tightening Torque (N・m)
XGT2-15C	15	6.5	23	2.15	5	M1.6	0.25
XGT2-19C	19	7.7	26	2.65	6.5	M2	0.5
XGT2-25C	25	9.5	32	3.25	9	M2.5	1
XGT2-27C	27	9.5	32	3.25	10	M2.5	1
XGT2-30C	30	11	36	4	11	M3	1.5
XGT2-34C	34	12	38	4	12.25	M3	1.5
XGT2-39C	39	15.5	48	4.5	14.5	M4	2.5
XGT2-44C	44	15	48	4.75	16	M4	2.5
XGT2-56C	56	19.5	60	5.5	20	M5	7
XGT2-68C	68	24	75	7	25	M6	12

Part Number	Standard Bore Diameter D1-D2 2									
XGT2-15C	3 - 5	3 - 6	4 - 4	4 - 5	4 - 6	4.5 - 5	5 - 5	5 - 6	6 - 6	
XGT2-19C	4 - 5 6.35 - 8	4 - 8 8 - 8	5 - 5	5 - 6	5 - 7	5 - 8	6 - 6	6 - 6.35	6 - 7	6 - 8
XGT2-25C	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
XGT2-27C	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
XGT2-30C	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
XGT2-34C	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
XGT2-39C	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
XGT2-44C	12 - 12 15 - 19	12 - 14 15 - 20	12 - 16 16 - 16	12 - 19 16 - 19	14 - 14 17 - 17	14 - 15 19 - 20	14 - 16 20 - 20	14 - 19	15 - 15	15 - 16
XGT2-56C	15 - 15	15 - 19	15 - 20	15 - 25	19 - 20	19 - 24	20 - 20	20 - 25	24 - 25	25 - 25
XGT2-68C	20 - 20	20 - 22	20 - 25	22 - 25	24 - 30	25 - 25	25 - 32	25 - 35		

- All products are provided with hex socket head cap screw.
- Recommended tolerance for shaft diameters is h6 and h7. (Recommended tolerance for shaft diameter ϕ35 only is −0.025 to +0.010.)
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.xxxx

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

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 ($kg \cdot m^2$)	Static Torsional Stiffness (N・m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass *2 (g)
XGT2-15C	6	–	1.1	42000	2.6×10^{-7}	110	0.15	1.5	±0.2	9
XGT2-19C	8	6	2.1	33000	7.6×10^{-7}	240	0.15	1.5	±0.2	15
XGT2-25C	12	9	4	25000	2.7×10^{-6}	390	0.15	1.5	±0.2	29
XGT2-27C	14	10	4	23000	3.7×10^{-6}	400	0.15	1.5	±0.2	33
XGT2-30C	15	11	6.3	21000	6.3×10^{-6}	590	0.2	1.5	±0.3	45
XGT2-34C	16	12	8	18000	1.2×10^{-5}	890	0.2	1.5	±0.3	66
XGT2-39C	20	15	13.5	16000	2.5×10^{-5}	1100	0.2	1.5	±0.3	105
XGT2-44C	22	17	18	14000	4.1×10^{-5}	1300	0.2	1.5	±0.3	134
XGT2-56C	28	22	35	11000	1.4×10^{-4}	2500	0.2	1.5	±0.3	270
XGT2-68C	35	28	65	9000	3.3×10^{-4}	7300	0.2	1.5	±0.3	473

*1: Correction of rated torque due to load fluctuation is not required. If ambient temperature exceeds 30℃, be sure to correct the rated torque with temperature correction factor shown in the following table. The allowable operating temperature of **XGT2 (O.D. ϕ56 or less)** is −10℃ to 120℃, and that of **XGT2 (O.D. ϕ68)** is −20℃ to 80℃.
※ 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℃ to 30℃	1.00
30℃ to 40℃	0.80
40℃ to 60℃	0.70
60℃ to 120℃	0.55

- Part number specification

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