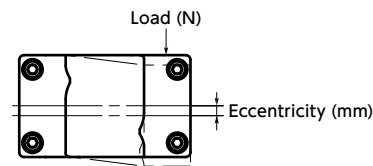
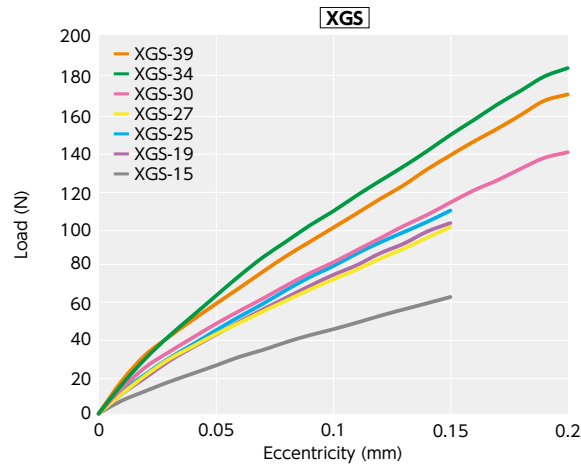
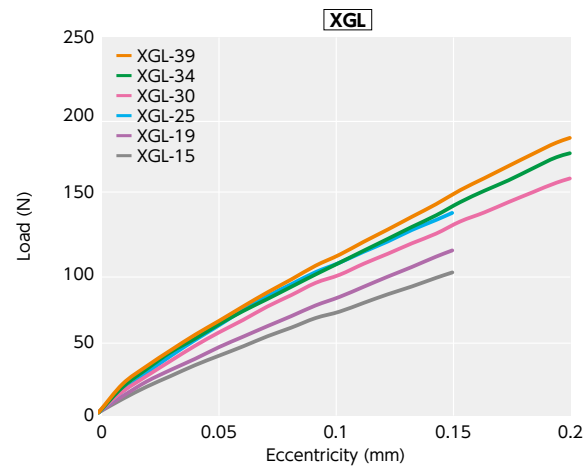
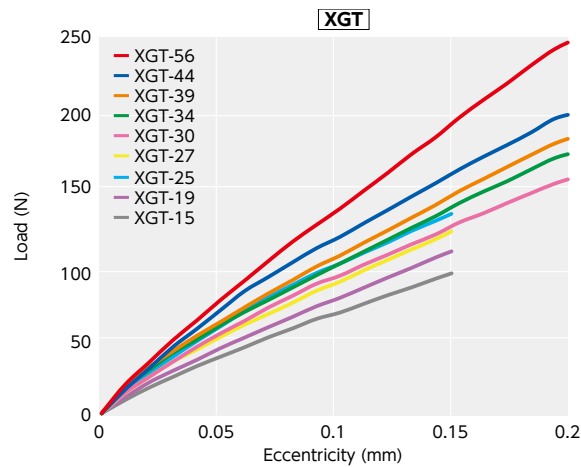


Technical Information

• Eccentric Reaction Force

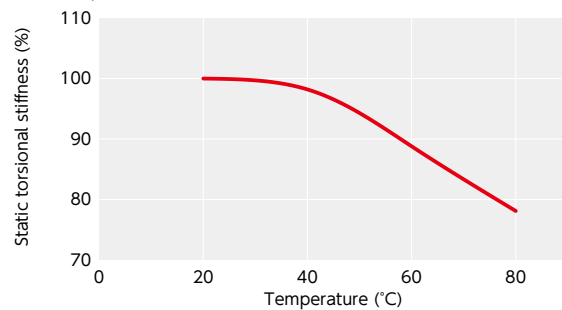


This is the force generated when placing **XGT** **XGL** **XGS** in an eccentric condition. As the eccentric reaction force becomes smaller, the force acting on the shaft bearing also becomes smaller.

• Change in static torsional stiffness due to temperature

This is a value under the condition where the static torsional stiffness at 20°C is 100%.

Changes in the static torsion spring constant within the operating temperature are shown in the graph. Before using the unit, be aware of the deterioration of responsiveness.

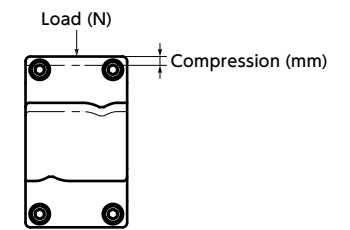
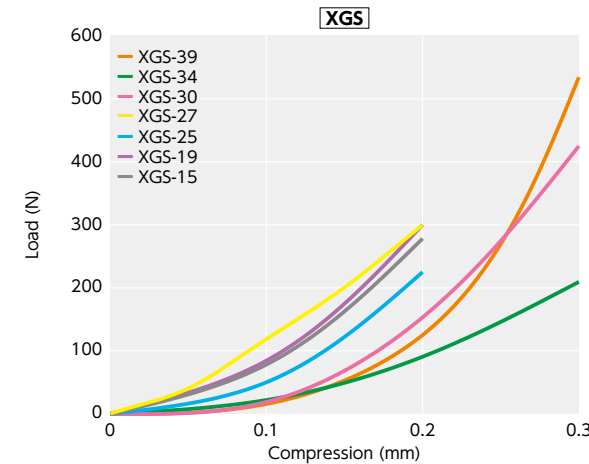
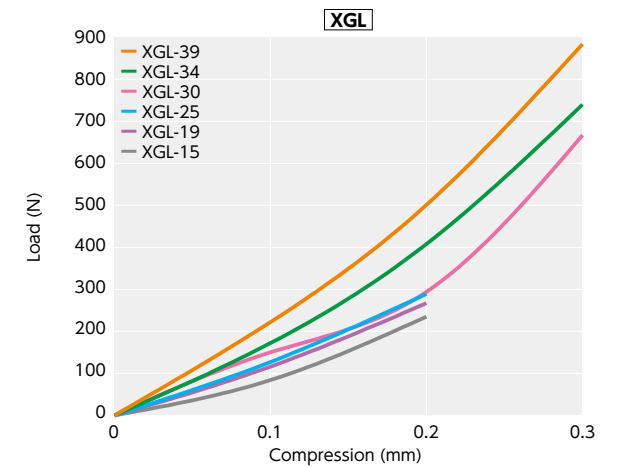
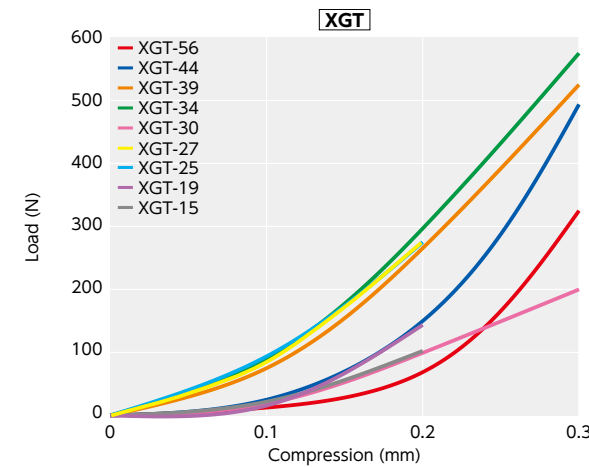


• Physical property and chemical resistance of high-gain type rubber (HNBR)

	Effect
Aging Resistance	○
Weather Resistance	○
Ozone Resistance	○
Gasoline / Gas Oil	○ - ○
Benzene / Toluene	△ - ○
Alcohol	○
Ether	× - △
Ketone (MEK)	×
Ethyl Acetate	× - △
Water	○
Organic Acid	○
High Concentration Inorganic Acid	○
Low Concentration Inorganic Acid	○
Strong Alkali	○
Weak Alkali	○

○: Excellent ○: Available △: Available depending on conditions ×: Not available

• Thrust Reaction Force



This is the force generated when compressing **XGT** **XGL** **XGS** in the axial direction. As the thrust reaction force becomes smaller, the force acting on the motor also becomes smaller.

• Slip Torque

For set screw type **XGT** **XGS**, see Aluminum Alloy Coupling under "Slip Torque of Coupling - Set Screw Type" for details.

As in the table below, the clamping types **XGT-C**, **XGT-CS**, **XGS-C**, **XGS-CS**, and **XGL-C** have different slip torque according to the bore diameter. Take care during selection.

Outside Diameter	Bore Diameter (mm)																		Unit : N·m
	3	4	4.5	5	6	6.35	7	8	10	11	12	12.7	14	15	16	17	19	20	
15	1	1.3	1.5	1.7	1.9														
19		2.2		2.7	3.1	3.3	3.8												
25				4.3	5	5.5		6.8											
27				3.8	5			6.8											
30								7.5	10	12									
34								8.3	10	10	12		13						
39									13		15	17	17	18	18	23	25		
44											16		19	20	21	23	25	27	
56														45			50	61	

• These are test values based on the conditions of shaft dimensional allowance: h7, hardness: 34 - 40 HRC, and screw tightening torque of the values described in **XGT-C** **XGT-CS** **XGS-C** **XGS-CS** **XGL-C** dimension tables. They are not guaranteed values.

• Slip torque changes with usage conditions. Carry out tests under conditions similar to actual conditions in advance.