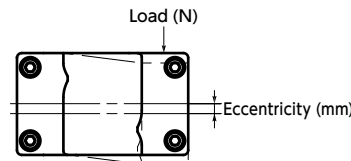
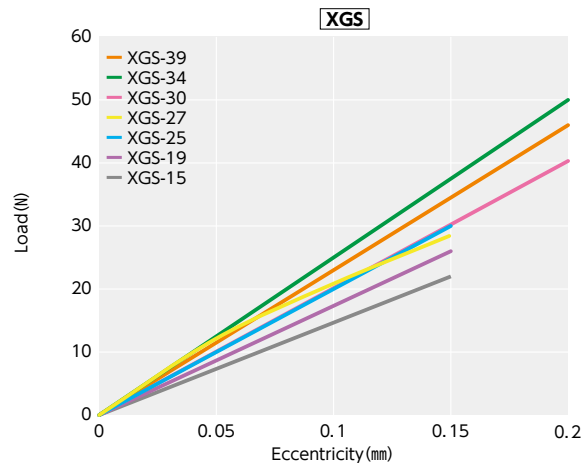
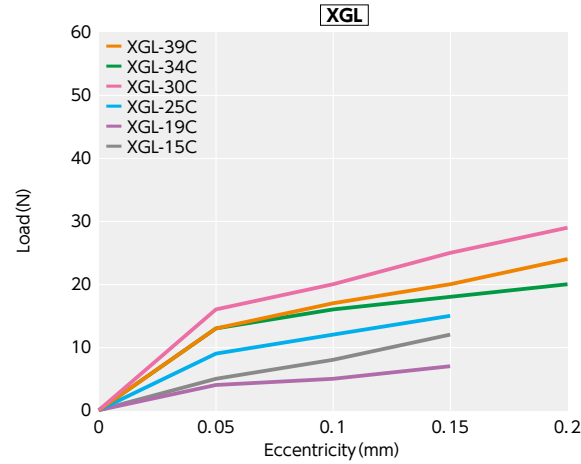
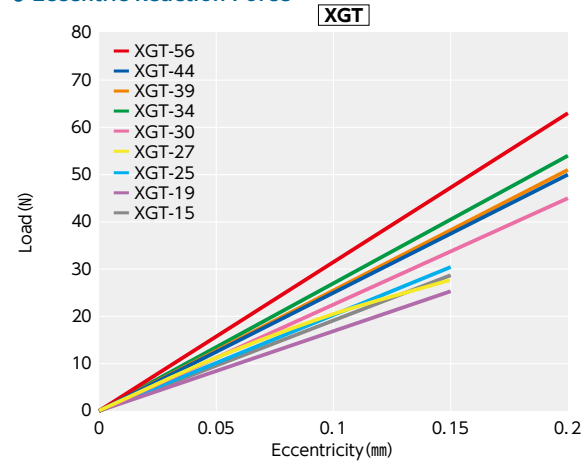


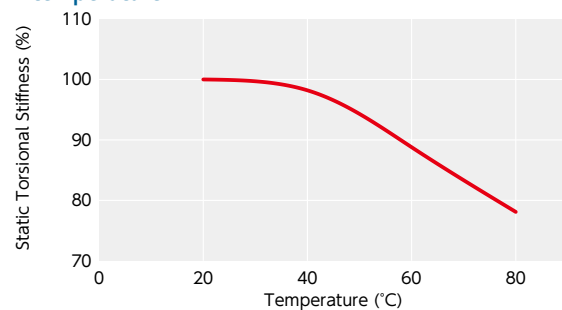
Technical Information

Eccentric Reaction Force



This is a force generated when making **XGT XGL XGS** in 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%.

The change of torsional stiffness within the range of allowable operating temperature is as shown in the graph.

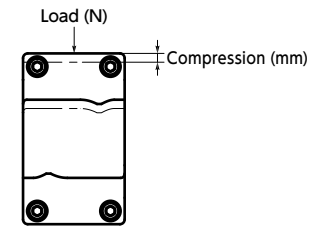
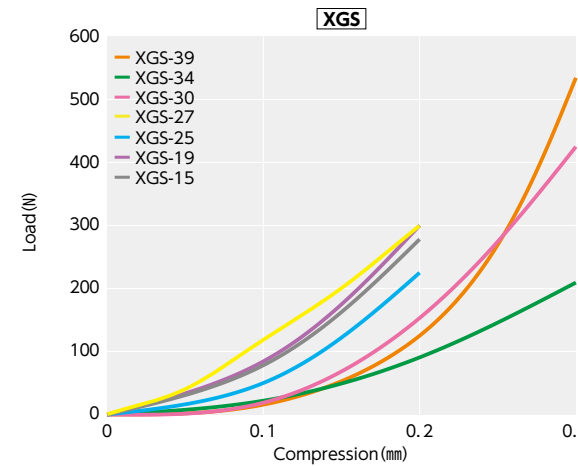
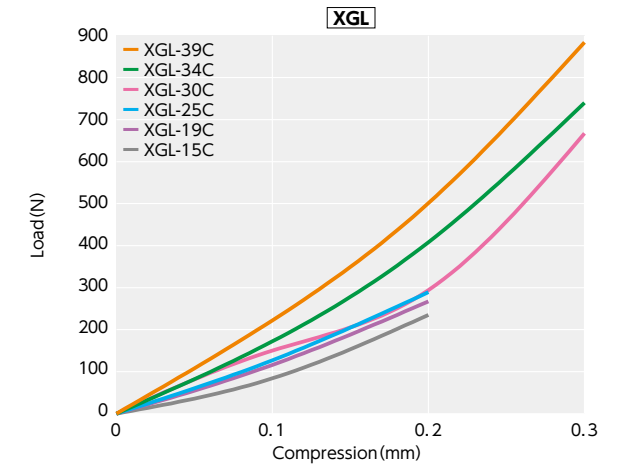
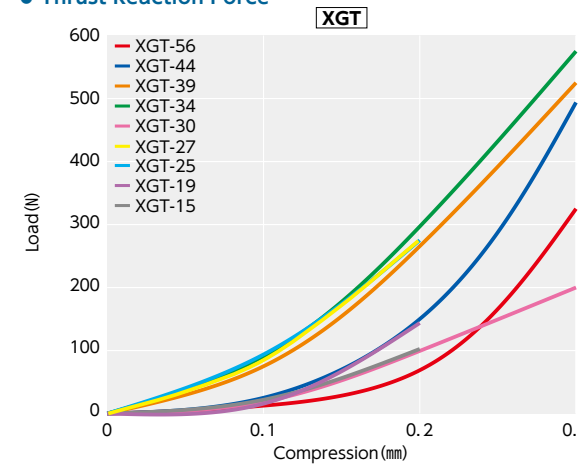
Before using the unit, be aware of the deterioration of responsiveness.

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	x-△
Ketone (MEK)	x
Ethyl Acetate	x-△
Water	⊙
Organic Acid	⊙
High concentration inorganic acid	○
Low concentration inorganic acid	⊙
Strong Alkali	⊙
Weak Alkali	⊙

⊙: Very Good ○: Available △: Fair pending on condition x: Not available

Thrust Reaction Force



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

Slip Torque

Concerning the sizes shown in the table, please note that the shaft's slip torque is smaller than the max. torque of **XGT-C XGS-C XGL-C**.

Part Number	Bore diameter (mm)																	Unit: N·m
	3	4	4.5	5	6	6.35	7	8	10	11	12	14	15	16	17	19	20	
XGT-15C, XGS-15C, XGL-15C	1	1.4	1.5	1.7	2													
XGT-15CS, XGS-15CS	1	1.3	1.6	1.8	1.9													
XGT-19C, XGS-19C, XGL-19C		2.2		2.7	3.3	3.5	3.8											
XGT-19CS, XGS-19CS		2.3		3.1	3.1	3.3	4											
XGT-25C, XGS-25C, XGL-25C				4.3	5.2	5.5		7										
XGT-25CS, XGS-25CS				4.7	5	5.6		6.8										
XGT-27CS, XGS-27CS				3.8	5.2			7										
XGT-30C, XGS-30C, XGL-30C								8.7	10.9	12								
XGT-30CS, XGS-30CS								7.5	11									
XGT-34C, XGS-34C, XGL-34C								8.7	10.9	12	13	15.2						
XGT-34CS, XGS-34CS								8.3	10.5	10.7	12	13.4						
XGT-39C, XGS-39C, XGL-39C										13.6	16.3	19	20.4	21.7	23.1	25.8		
XGT-39CS, XGS-39CS										13.3	15.2	17.1	20.8	18.9	25.7			
XGT-44C											16.3	19	20.4	21.7	23.1	25.8	27.2	
XGT-44CS											19.1	21.3	22.7	23.5	23.6	27.5	29.1	
XGT-56C													46			58	61	
XGT-56CS													45			50	69.4	

These are test values based on the condition of shaft's dimensional allowance: h7, hardness: from 34 - 40 HRC, and screw tightening torque of the values described in **XGT-C XGS-C XGL-C** dimensional table.