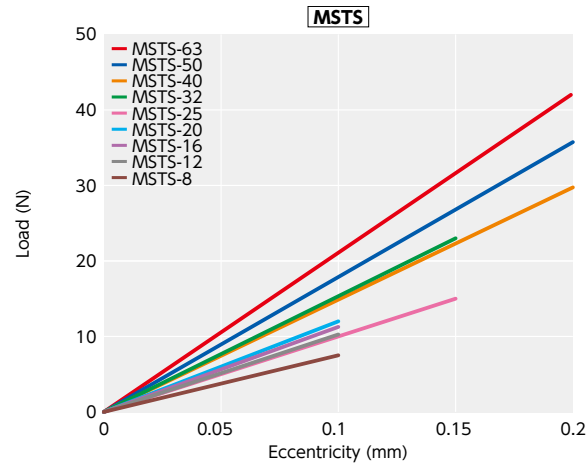
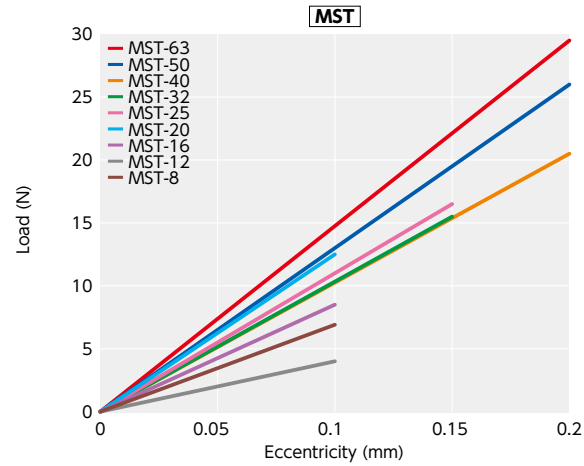
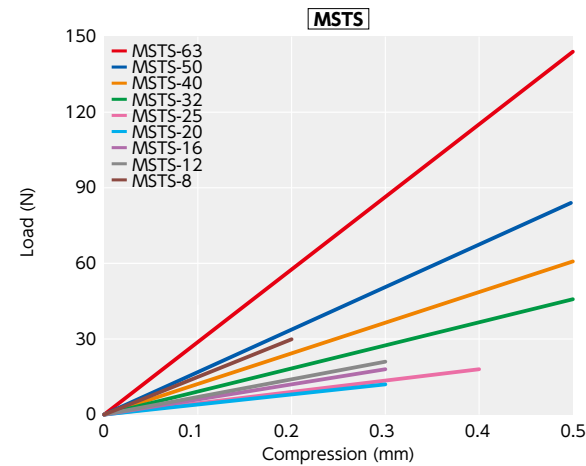
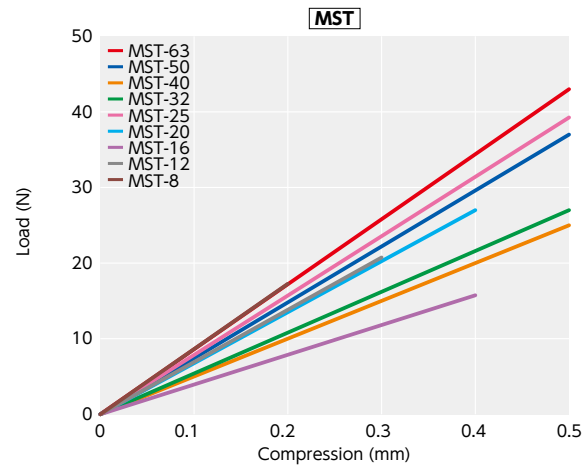


Technical Information

• **Eccentric Reaction Force**



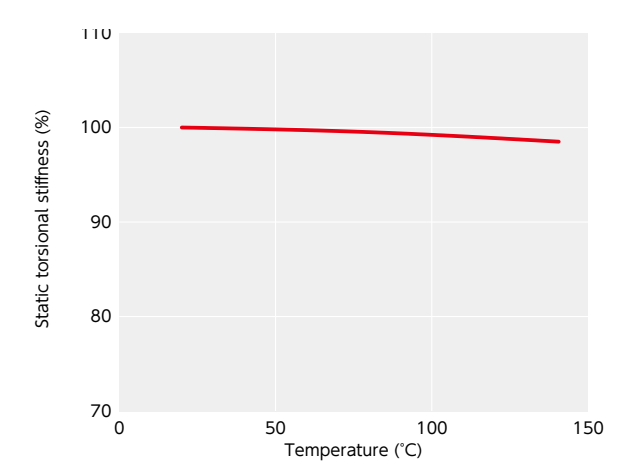
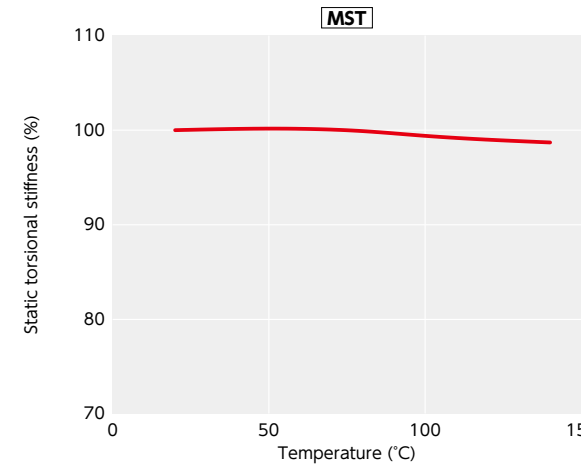
• **Thrust Reaction Force**



• **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 **MST** and **MSTS** in torsional stiffness due to temperature is small and the change in responsiveness is extremely small. If the unit is used under higher temperature, be careful about misalignment due to elongation or deflection of the shaft associated with thermal expansion.



• **Slip Torque**

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

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

Part Number	Bore Diameter (mm)														Unit: N·m
	4	4.5	5	6	6.35	7	8	9.525	10	11	12	14	15	16	
MST-25C			3	3.6											
MST-32C							4.1	7.3							
MST-40C							7.1				14	17	20	24	
MST-63C												59		63	
MSTS-12C	0.4	0.5													
MSTS-16C		0.7	0.8												
MSTS-20C			1.2	1.7	1.7	1.7									
MSTS-25C			0.7	0.7	0.9		1.7	3.8							
MSTS-32C							1.2	2.1	2.7	2.9	5.9				
MSTS-40C							8.7				12	12	14		
MSTS-50C											22	28			
MSTS-63C												28		49	

• 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 **MST-C** **MSTS-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.