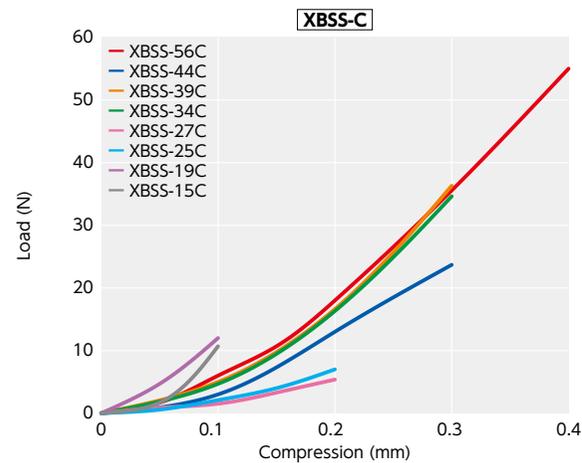
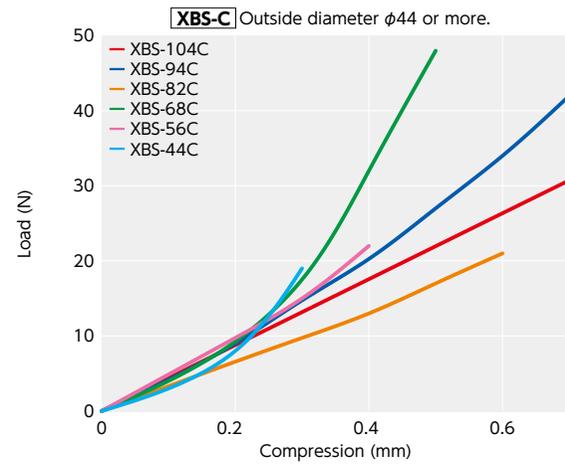
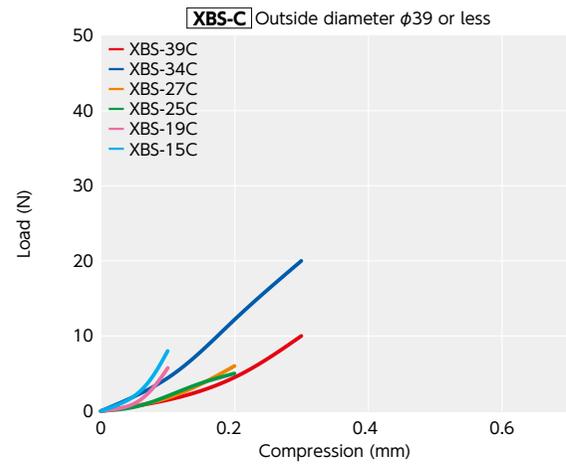


XBS-C / XBSS-C Flexible Couplings - Single - Disk Type

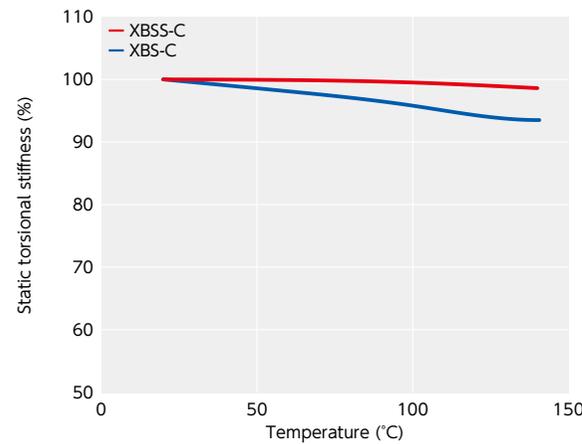
SUS Stainless steel Zero Backlash High Rigidity

Technical Information

• 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 **XBS-C** and **XBSS-C** 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

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

| Part Number | Bore Diameter (mm) | | | | | | | Unit: N·m |
|-----------------|--------------------|-----|-----|----|----|----|----|-----------|
| | 3 | 4 | 6 | 8 | 10 | 11 | 14 | |
| XBS-15C2 | 1 | | | | | | | |
| XBS-19C2 | | 1.6 | | | | | | |
| XBS-34C3 | | | 5.2 | 6 | | | | |
| XBS-44C2 | | | | 15 | | | | |
| XBS-56C3 | | | | | 25 | 32 | | |
| XBS-68C5 | | | | | | | 80 | 100 |

- 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 **XBS-C** **XBSS-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.

| Part Number | Bore Diameter (mm) | | | | | | | Unit: N·m |
|-------------------|--------------------|---|-----|----|----|----|----|-----------|
| | 4 | 6 | 8 | 10 | 11 | 12 | 14 | |
| XBSS-19C2A | 1 | | | | | | | |
| XBSS-34C3A | | 5 | | | | | | |
| XBSS-39C2A | | | 5.5 | 8 | | | | |
| XBSS-44C2A | | | 4.5 | 6 | 10 | | | |
| XBSS-56C3A | | | | 9 | 13 | 18 | 25 | 28 |

• Comparison of static torsional stiffness (single disk-type)

