



Structure

Clamping type

XSTS-C → P.228

Outside Diameter $\phi 25 / \phi 32$



XSTS-C

Outside Diameter $\phi 40 - \phi 63$

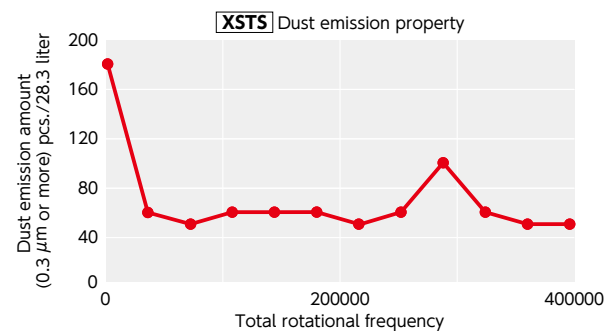
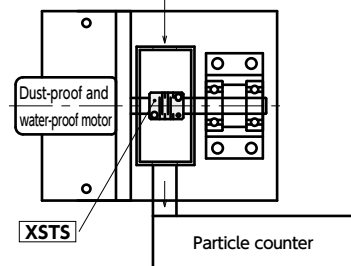


XWSS-C → P.228



Dust emission property

Cleanroom (class 500 or lower) Clean bench (class 10 or lower)



Property

	XSTS	XWSS
Low Particle	⊙	⊙
Vacuum-supported	○	○
Less Outgas	○	○
Heat-resistance	○	○
Chemical-proof	⊙	⊙
Zero Backlash	⊙	⊙
High Torque	○	○
Allowable Misalignment	○	-
Corrosion resistance (all stainless steel)	⊙	⊙

⊙: Excellent ○: Very good

- This is an all stainless steel spring coupling with single-piece construction. A slit is inserted into a cylindrical material.
- Clean washing and clean packaging are completed. It can be used in an environment where chemical resistance is required, such as FPD manufacturing device and semiconductor manufacturing device.
- High flexibility type **XSTS** and short type **XWSS** are standardized.
- In **XSTS**, a plate spring formed by a slit allows eccentricity, angular misalignment, and end-play to be accepted.

Application

FPD manufacturing device/Semiconductor manufacturing device/Offshore instrument

Material/Finish

	XSTS-C / XWSS-C
Main body	SUS316L Shot Blast
Hex Socket Head Cap Screw	SUS316L HiMo

RoHS Compliant

Related Products

There is a slit-type flexible coupling **MSX** made of extra super duralumin (A7075).
→ P.100



Part number specification

XSTS-32C-12-12

Product code Size bore diameter

Please refer to dimensional table for part number specification.

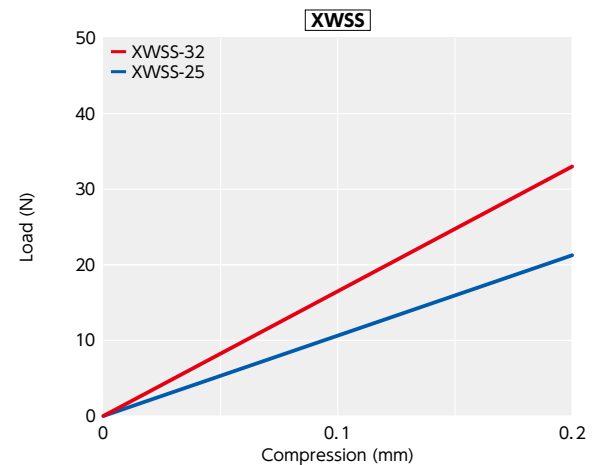
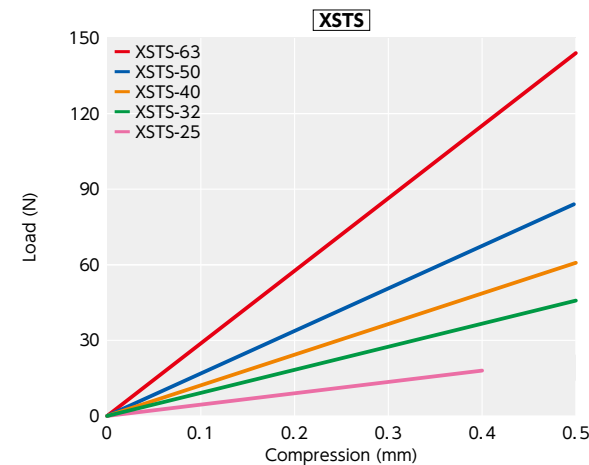
Technical Information

Made of SUS316L superior in corrosion resistance

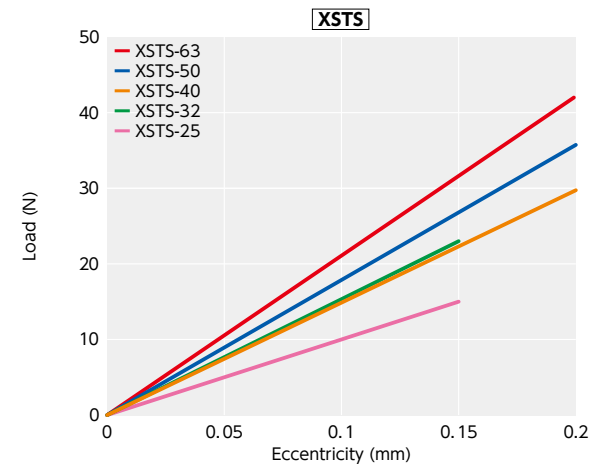
Characteristics

Material code	Characteristics
SUS304	This features smaller amount of carbon and is superior in corrosion resistance and weldability. This is the most standard product among austenitic stainless steel.
SUS316	This has good corrosion resistance and acid resistance as well as high-temperature strength due to addition of Mo and is used as heat resistant steel.
SUS316L	Carbon content is lower than that of SUS316 and the grain boundary corrosivity and weldability are improved.

Thrust Reaction Force



Eccentric 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 **XSTS** **XWSS** in torsional stiffness due to temperature is small and the change in responsiveness is extremely small. However, if the unit is used at higher temperature, be careful about misalignment due to elongation or deflection of the shaft associated with thermal expansion.

