

TS-6 Flexible Joint

The movements absorption capability in lateral, axial (extension and compression) directions and angular deflection Of TS-6 flexible joint is far superior to standard designed joints. TS-6 joints is designed to absorb severe duct/pipe movements such as **seismic joint** connecting ducts between adjacent buildings. **Materials of TS-6 joints are non-combustible or, at least, meet other flame resistance standards.** Temperature resistance of TS-6 can be as high as up to 260°C or higher by special design and can be used in duct with **corrosive flow medium (VOC, acid, alkali).** TS-6 joints are manufactured by well trained and experienced workers under strict quality control program (ISO9001-2000 certified) TS-6 joints are robust, light in weight, easy to install. Up to 12/2008 more than 400 sets of TS-6 joints have been Installed in TFT-LCD, semi-conductor, petro-chemical, power plants and etc. with performance to users' satisfaction.



Movements Absorption—Standard-2

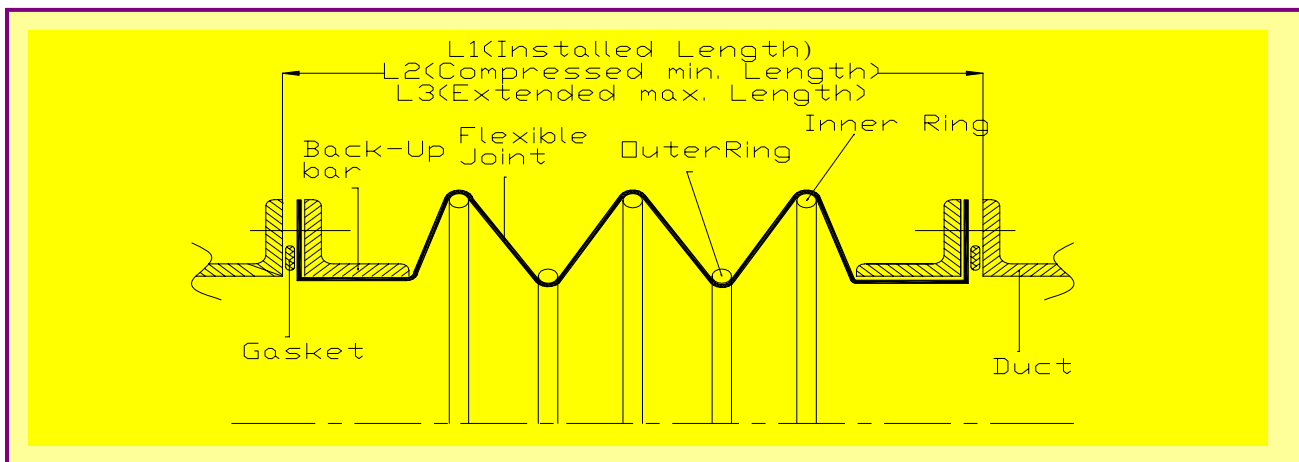
L2= 130mm, L3=460mm, L1=Installed length (to be decided by installer)

Maximum Axial movement absorption =L3-L2=460-130=330mm

Max. extension=L3-L1, Max. compression=L1-L2

Max. Lateral movement absorption=240mm (at L1=300mm)

Other designs available for different movements



TS-6 materials vs suitable flow medium

Joint body			Ring		Temp °C	Pressure Tightness (kg/cm ²)	Flow Medium
Product ID.	Material	Thick (mm)	Inner	Outer			
Fluo-Flex 9-143F/F	PTFE coated fiberglass cloth with PTFE film laminated on 2 sides	0.9	SUS316 or SUS304 + ECTFE coating	SUS304	260	0.6+	Acid/Alkali/ SOL/SO _x / VO _x /GEN
			SUS304	SUS304	260	0.6+	SOL/SO _x / VO _x /GEN
Sil-Flex 10-130S/S	Silicone coated fiberglass cloth	1.0	SUS304	SUS304	260	0.3+	GEN
Neo-Flex 5-60N/N	Flame retarded rubber coated fiberglass cloth	0.54	SUS304	SUS304	120	0.5+	GEN