

# QFTU Union Connector

## Rubber Flexible Joints

QFSIS-XXX

### DESCRIPTION ( FEATURES )

Small diameter piping systems can present real problems when stress alleviation is required. Space is generally critical. Conventional flanged expansion joints cannot be used without relocating piping runs. QFTU type solves this problem because of their screw ends.

### TYPICAL APPLICATIONS

1. Building equipment, piping systems for industrial plants and piping systems for private residence.
2. Prevention of disasters due to earthquakes and subsidence of ground.
3. Waterworks, sewerage and sanitary lines ( feed - water and drainage ).

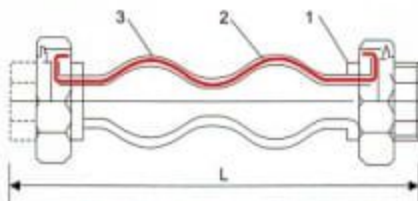


### OPERATING CONDITIONS

( based on Neoprene Rubber Material )

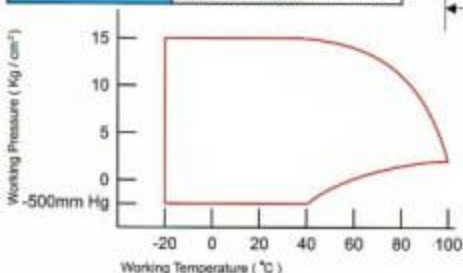
Operating Pressure	10kg / cm <sup>2</sup>
Burst Pressure	Over 50kg / cm <sup>2</sup> ( 711psi )
Negative Pressure	500mm Hg
Working Temperature	-20 °C to 100 °C ( -4 °F to 212 °F )
Working Fluids	Water, Hot Water, Sea Water, Compressed Air, Steam, Solvent, Acid, Weak Alkalies

### STRUCTURE



Part	Material
1 Union	Ductile Iron or Malleable Iron
2 Body	Nylon Cord
3 Body	* Heat Resisting Rubber

\* Standard rubber material uses Neoprene, may be replaced by other special synthetic rubber.



### DIMENSION AND ALLOWABLE TOLERANCE / MOVEMENT

Nominal Bore ( Inner Dia. ) Size	Installation Length		Transverse Movement ( ± mm )	Axial Elongation ( mm )	Axial Compression ( mm )	Angular Deflection
	End to End Distance L ( mm )	Total Acceptable Tolerance ( - mm )				
20mm ( 3/4 inch )	190	2	22	6	10	20°
25mm ( 1 inch )	202	2	22	6	10	20°
32mm ( 1 1/4 inch )	198	2	22	6	15	20°
40mm ( 1 1/2 inch )	198	2	22	6	15	20°
50mm ( 2 inch )	202	2	22	6	15	20°
65mm ( 2 1/2 inch )	235	2	30	6	15	20°
80mm ( 3 inch )	245	2	30	6	15	20°