

TOPFLEX

TWIN -SPHERE RUBBER EXPANSION JOINT MODEL TU (With Union Threads)

TOPFLEX Series TU is designed for supply and distribution pipeline service or to connect piping to specific equipment application such as : Pumps, Chillers, Cooling Towers, Compressors, Blowers, Fans, Absorption Machines, etc. Installed next to mechanical equipment or between the anchor points of piping system, specify the TOPFLEX Series TU to :

- (1) Absorb Pipe / Movement / Stress
- (2) Decrease system noise
- (3) Isolate vibration
- (4) Compensate alignment/offset
- (5) Eliminate electrolysis
- (6) Protect against start up/surge forces

The TOPFLEX Series TU is engineered for tough, demanding industrial and commercial application, as found in : Air conditioning, Heating and ventilating systems, Chemical, Petrochemical and industrial process piping systems, Power generating plants, Steel mills, Marine service, pulp & paper system, Water-wastewater sewage and pollution control systems

BILL OF MATERIALS

ITEM NO.	DESCRIPTION	MATERIAL
1	Union	FB32
2	Reinforcing Fabric	Nylon Fabric
3	Elastomer	Synthetic Rubber (EPDM)

TECHNICAL CONDITION

Model	TU
Size I.D.	1/2" - 3"
Working pressure	150 PSI
Burst pressure	711 PSI
Vacuum Rating	650 mm/Hg
Temperature	-20°C to 100°C

Control until cable and reinforcing ring must be installed when pressure (test surge, operating start a pump, etc.) exceeds the rating.

Table of Main Parameters of Normal Core Diameter, Length, Displacement Value

Normal core diameter (mm)	Length (L) (mm)	Axial displacement		Lateral (mm)	Angular
		Compression (mm)	Extension (mm)		
15	(1/2)	203	22	6	20°
20	(3/4)	203	22	6	20°
25	(1)	203	22	6	15°
32	(1.1/4)	203	22	6	12°
40	(1.1/2)	203	22	6	10°
50	(2)	203	22	6	8°
65	(2.1/2)	225	22	6	6°
80	(3)	225	22	6	5°

NOTE :

1. Standard material is EPDM. The products are not applicable to oil. Other kinds of rubber material are optional.
2. Union : Standard item employs BS Union with materials FB32 and FCD40. Also can supply ANSI, DIN and other standard.
3. Applicable fluids : Water, Warm water, Sea water, Weak acids, Alkalies, etc.

