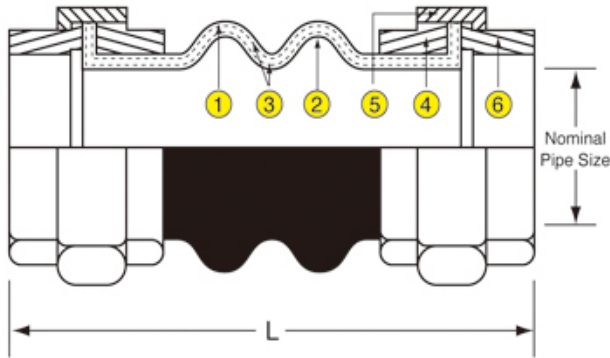




# AFA<sup>®</sup>

## STYLE 99 TU

### TWIN SPHERE UNION – SCREW END



S/NO	PART NAME	MATERIAL
1	Body (Outer Layer)	Special Synthetic Rubber
2	Body (Inner Layer)	Special Synthetic Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Union Flange	Malleable Iron (Galv'd)
5	Union Nut	Malleable Iron (Galv'd)
6	Union Screw	Malleable Iron (Galv'd)

**Operating Pressure** : 16 Bar  
**Operating Temperature** : -10 to 80 Deg C  
**Vacuum Rating** : 500 MM/HG  
**\*Applicable Fluids** : Water, Warm Water, Sea Water, Air & Weak Acid  
**Union** : BSP & NPT Threaded

NOMINAL PIPE SIZE		NEUTRAL LENGTH L	AXIAL COMPRESSION	AXIAL ELONGATION	LATERAL DEFLECTION	ANGULAR DEFLECTION
MM	INS	MM	MM	MM	+ OR - MM	+ OR - DEG
15	1/2	165	22	6	22	30
20	3/4	165	22	6	22	30
25	1	175	22	6	22	30
32	1 1/4	186	22	6	22	30
40	1 1/2	186	22	6	22	30
50	2	200	22	6	22	20
65	2 1/2	218	22	6	22	15
80	3	260	22	6	22	15

#### OPERATING TEMPERATURE AGAINST OPERATING PRESSURE

OPERATING TEMPERATURE °C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE (BAR)	16	9.6	7.5	6.2	5.0



#### NOTES

- Higher temperatures affect movement and pressure. As temperature increases, rated values must be reduced accordingly.
- Pressures shown are recommended "operating", test pressure is 1.5 times "operating".
- Vacuum rating is based on neutral installed length without external load. Products shall not be installed "elongated" on vacuum applications.
- Expansion joints may operate in pipelines or equipments carrying fluids at evaluated temperatures and pressures. Normal precautions shall be taken to make sure these parts are installed correctly and inspected regularly. Precautions shall be taken to protect personnel in the event of leakage or splash.
- \* For other kinds of applicable fluids, except the above, to which the rubber joint becomes applicable, please kindly consult your supplier or manufacturer.

