

Applications

Teguflex TU are recommended in small diameter pipes, pumps and equipments, because most connections in housing and industries services are often required in screwed connection rather than flanges for small diameter installations.

Excellent for applications where large lateral or angular movements arise.

Typical applications could be pumps (suction and discharge line), air-condition systems and irrigations.

Design

The style TU screwed union expansion joints are designed to absorb pipe movements, stress, isolate vibrations, reducing system noise and protect against start up and surge forces.

The Teguflex TU are designed in twin sphere because its proven absorption and flexibility in all directional movements during operation.

By combination of spherical structure with super stability against internal pressure and strong special reinforcement the Teguflex TU displays an outstanding pressure resistant of 30 bar bursting pressure or above at normal temperature.

The metal parts, made of malleable cast iron and hot dip galvanised, are furnished with BSP threads as standard. Also available in stainless steel and/or NPT threaded unions.

Teguflex® TU
Trelleborg TU

Expansion Joints

DN 20-DN 65



Materials

Colour Label	Inner tube	Outer cover	Max temp. °C	Applications
Black & TU	EPDM	EPDM	80°	Water, warm water, sea water, air and weak acids.

Note: Other material available. Please ask.

Pressure rating

Pressure	Temperature	Pressure
Max. working pressure	20°C	10 bar
	50°C	10 bar
	80°C	6 bar
Test pressure	20°C	15 bar
Burst pressure	20°C	> 30 bar

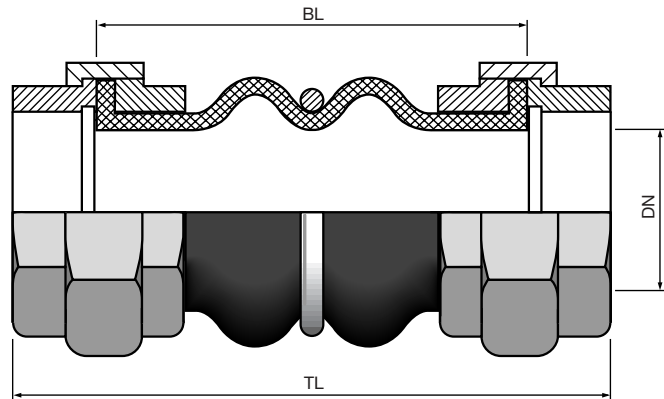
Teguflex TU DN 20-DN 65

Union flange qualities

Zinc plated steel flanges (screw end). Also available with stainless steel (SS304).

Union

BSP or NPT.



Dimensions and movements

DN mm	INS	TL mm	BL mm	Permissible movements				Permissible pressure		
				Comp- ression mm	Elong- ation mm	Lateral mm	Ang- ular	20° C bar	80° C bar	Vacuum bar
20	3/4"	200	152	22	6	22	30°	10	6	0.5
25	1"	200	140	22	6	22	30°	10	6	0.5
32	1 1/4"	200	140	22	6	22	30°	10	6	0.5
40	1 1/2"	200	130	22	6	22	30°	10	6	0.5
50	2"	200	120	22	6	22	30°	10	6	0.5
65	2 1/2"	240	140	22	6	22	30°	10	6	0.5

Note: Maximum values do not apply simultaneously.



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