

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 zinc plated, 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 |

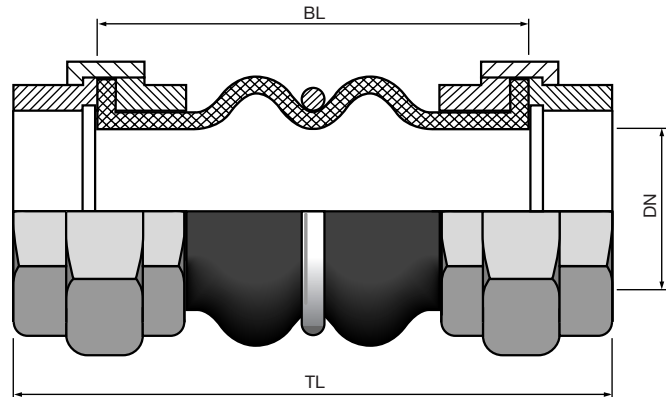
Teguflex TU DN 20-DN 65

Union flange qualities

Zinc plated threaded ends. Also available with stainless steel (SS304) under request.

Union

BSP (standard) or NPT (under request).



Dimensions and movements

| DN mm | INS | TL mm | BL mm | Permissible movements | | | | Permissible pressure | | |
|----------|--------|----------|----------|------------------------|-----------------------|---------------|--------------|----------------------|-------------|---------------|
| | | | | Com- pression mm | Elon- gation mm | Lateral mm | An- gular | 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.



Trelleborg Izarra, S.A.U.

C/ San Vicente, 23 - E01440 Izarra (Alava) - Spain - Tel.: +34 945 437 000 - Fax: +34 945 437 007
E-mail: izarra@trelleborg.com - E-mail: expansionjoints@trelleborg.com - www.trelleborg.com/expansionjoints

Distributor: