

**APPLICATION:**

- Inlet and outlet of fan coil Units, Air Handling Units, Chillers and Condensers.
- Air Suction and discharge of pumps.
- Intervals in Chilled water piping .
- Installation of flexible Pipe Connectors is recommended to allow for axial pipe movement due to thermal expansion or contraction, thereby protecting the building structure from damaging stress. These connectors also help to isolate the low and high frequency vibration transmitted through pipe walls.
- The triangular flange design offer much better reliability, safety and convenience as compared to union type connectors.
- Allows for both Axial and Horizontal movement.
- Unique pressurized steel wire strand for addiitional safely.

CONSTRUCTION FEATURES:

| | |
|------------------|---|
| Bellow | : Neoprene / EPDM |
| Reinforcement | : Nylon cord fabric |
| Pressurized Ring | : Steel Wire Strand |
| Flanges | : Forged Steel, Threaded to BS 21. NPT on request |
| | : Epoxy powder coated for corrosion resistance |
| | : Nut and bolts electrogalvanized. |
| | : Floating triangular thread design |

TECHNICAL DATA:

| | |
|------------------|--|
| Working Pressure | : 290 psi / 20 Bar |
| Temperture Range | : -15 deg C to 115 deg C . |
| Working Media | : Water, Compressed Air, Oil, Weak Acids / Alkalines |

| PRODUCT CODE | SIZE INCHES | AXIAL DISPLACEMENT | | LENGTH MM | DEFLECTION ANGLE |
|---------------|-------------|--------------------|-------------|-----------|------------------|
| | | ELONGATION | COMPRESSION | | |
| TGTFC00000027 | 3/4" | 6 | 22 | 160 | 45 |
| TGTFC00000034 | 1" | 6 | 22 | 160 | 45 |
| TGTFC00000042 | 1 1/4" | 6 | 22 | 160 | 45 |
| TGTFC00000048 | 1 1/2" | 6 | 22 | 160 | 45 |
| TGTFC00000060 | 2" | 6 | 22 | 180 | 45 |

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- Allows for both Axial and Horizontal movement.
- Unique pressurized steel wire strand for additional safety.

CONSTRUCTION FEATURES:

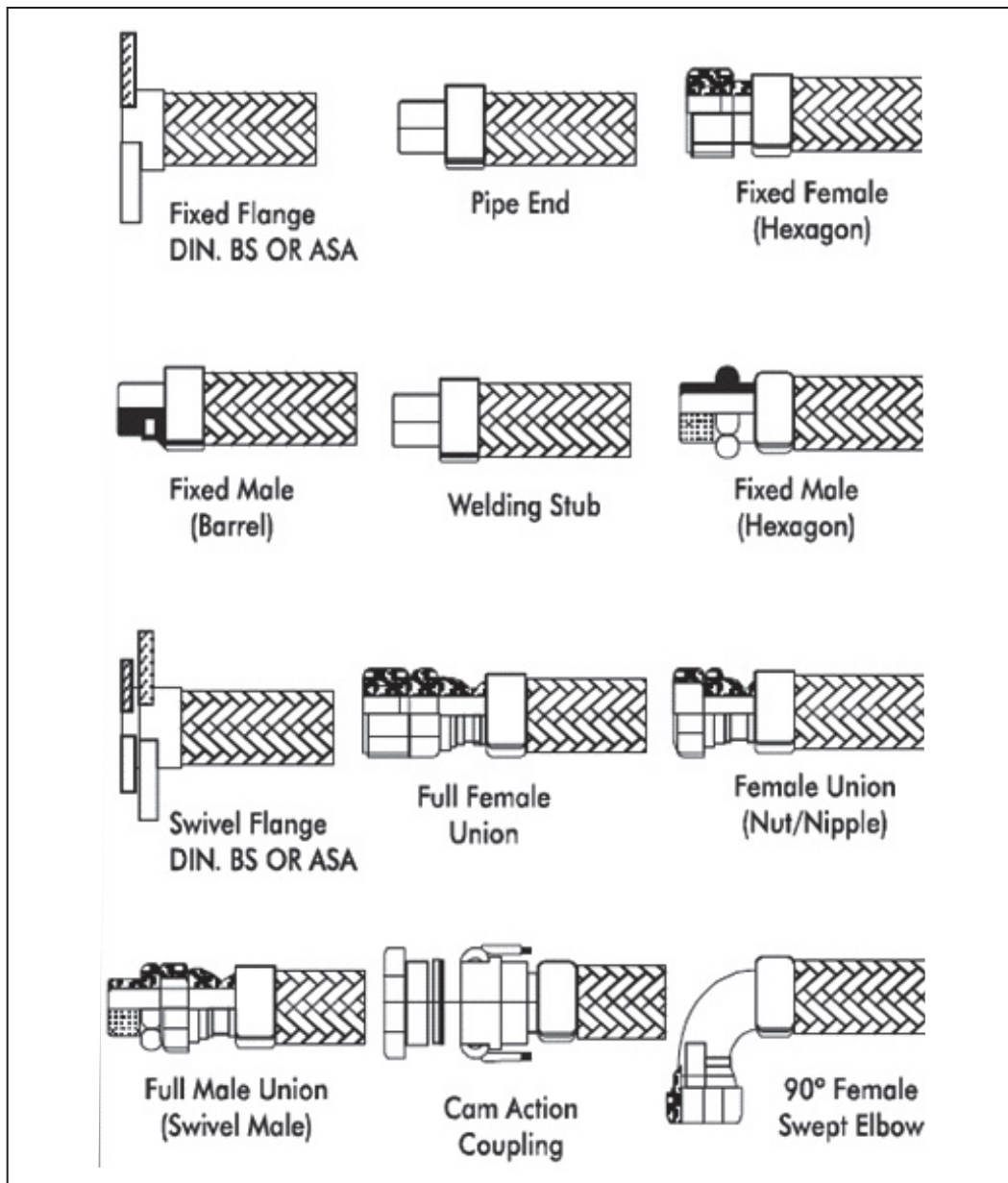
| | |
|------------------|---|
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| Reinforcement | : Nylon cord fabric |
| Pressurized Ring | : Steel Wire Strand |
| Flanges | : Forged Steel, Threaded to BS 21. NPT on request |
| | : Epoxy powder coated for corrosion resistance |
| | : Nut and bolts electrogalvanized. |
| | : Floating triangular thread design |

TECHNICAL DATA:

| | |
|-------------------|--|
| Maximum Pressure | : 250 psi / 17 Bar |
| Burst pressure | : 650 psi / 45 bar |
| Temperature Range | : -15 deg C to 115 deg C. |
| Working Media | : Water Compressed Air, Oil , Weak Acids / Alkaline. |
| Vacuum | : 700 mm Hg |

CONNECTION : FEMALE THREAD BOTH SIDES

| PRODUCT CODE | SIZE INCHES | LENGTH MM | AXIAL DISPLACEMENT | | DEFLECTION ANGLE |
|--------------|-------------|-----------|--------------------|--------------------|------------------|
| | | | ELONGATION (MM) | COMPRESSION (MM) | |
| TGUF00000022 | 1/2" | 155 | 6 | 22 | 45 |
| TGUF00000027 | 3/4" | 155 | 6 | 22 | 45 |
| TGUF00000034 | 1" | 155 | 6 | 22 | 45 |
| TGUF00000042 | 1 1/4" | 155 | 6 | 22 | 45 |
| TGUF00000048 | 1 1/2" | 175 | 6 | 22 | 45 |
| TGUF00000060 | 2" | 175 | 6 | 22 | 45 |
| TGUF00000073 | 2 1/2" | 240 | 10 | 24 | 45 |



Tembo manufactures Corrugated Hoses and Hose Assemblies at an ultra-modern facility under the supervision of a qualified team of engineers and technocrats. They are suitable for wide range of chemicals, petroleum products, super heated steam, liquefied gas and cooling lines.

SIZE: 1/4" (6mm) to 12" (300mm)

TEMPERATURE: -2000°C to 7000°C

MATERIAL: Hose S.S. 3016/321/304, Braiding S.S.304. End Connections

MATERIAL OF END CONNECTION: M.S., Carbon Steel, brass, NPTF, METRIC.

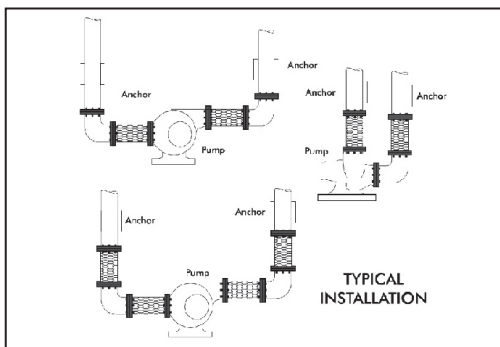
FLANGE: As per BS, ASA, DIN, Slipon, or as per your requirement.

END FITTINGS:

Manufactured from Mild Steel, Stainless Steel or Brass. These are fitted by Argon welding (TIG) or brazing on S.S. Hose depending upon hose type and service conditions to form a complete hose assembly

| SIZE NOMINAL SIZE DN | | SINGLE BRAID | | | | | DOUBLE BRAID | | |
|-------------------------|-----|--|---|--|----------------------------------|-----------------------------------|--|---|--|
| | | MAX. WORKING PRESSURE (KG/CM ²) | TEST PRESSURE (KG/CM ²) | BURST BEND (KG/CM ²) | STATIC BEND RADIUS (MM) | DYNAMIC BEND RADIUS (MM) | MAX. WORKING PRESSURE (KG/CM ²) | TEST PRESSURE (KG/CM ²) | BURST BEND (KG/CM ²) |
| INCH | MM | | | | | | | | |
| 1/4" | 6 | 100 | 150 | 400 | 25 | 100 | 160 | 240 | 640 |
| 3/8" | 10 | 90 | 135 | 360 | 40 | 150 | 144 | 216 | 576 |
| 1/2" | 12 | 80 | 120 | 320 | 50 | 200 | 128 | 192 | 512 |
| 5/8" | 16 | 70 | 105 | 280 | 50 | 200 | 112 | 168 | 448 |
| 3/4" | 20 | 64 | 96 | 256 | 70 | 200 | 102 | 153 | 408 |
| 1" | 25 | 50 | 75 | 200 | 90 | 200 | 80 | 120 | 320 |
| 1 1/4" | 32 | 40 | 60 | 160 | 110 | 250 | 64 | 96 | 256 |
| 1 1/2" | 40 | 32 | 48 | 128 | 130 | 250 | 48 | 72 | 192 |
| 2" | 50 | 28 | 42 | 112 | 175 | 350 | 44 | 66 | 176 |
| 2 1/2" | 65 | 24 | 36 | 96 | 200 | 410 | 42 | 61 | 152 |
| 3" | 80 | 18 | 27 | 72 | 205 | 450 | 28 | 42 | 112 |
| 4" | 100 | 16 | 24 | 64 | 230 | 560 | 26 | 39 | 104 |
| 5" | 125 | 12 | 18 | 48 | 280 | 660 | 20 | 30 | 80 |
| 6" | 150 | 10 | 15 | 40 | 320 | 815 | 16 | 24 | 64 |
| 8" | 200 | 8 | 12 | 32 | 435 | 1015 | 12 | 18 | 48 |

- Due to policy of continual improvement, the specifications are subject to change without prior notice.
- Measurements are subject to 5% tolerance.
- To achieve good results do not over load fitting more than designed parameters as per drawing catalogue



APPLICATION:

Tembo's stainless steel pump connectors have been optimally designed for use in pipe work systems for pumps or compressors and used to suppress noise, absorb vibration, to correct and accommodate for minor lateral misalignment or thermal movements and to adjust for any building settlement.

CONSTRUCTION:

Manufactured with AISI 32 stainless steel corrugated tubing (to BS 6501pt.1) with AISI 304 stainless steel single over braid & carbon or stainless steel end fittings, TIG welded AISI 304/316 stainless steel Corrugated Hose also available.

END FITTINGS:

Screwed assemblies-Threaded BSP Taper Male Hexagon or Half Barrel Fittings
Flanged assemblies, to Bs10 table D/BS4504 & ANSI/ ASA standards.

INSTALLATION:

Braided pump connectors are not designed to absorb lateral movements and vibration. For maximum efficiency the connectors should be placed in both the pipe work on the away from the source.

| Nominal I.D. of S.S. Braided Bellow | Overall Length Inch/mm | Max. Working Pressure At Room Temp.(BAR) |
|--|------------------------------|--|
| 1/2" | 6"/150 | 16 |
| 3/4" | 6"/150 | 16 |
| 1" | 6"/150 | 16 |
| 1 1/4" | 6"/150 | 16 |
| 1 1/2" | 6"/150 | 16 |
| 2" | 6"/150 | 16 |
| 2 1/2" | 6"/150 | 16 |
| 3" | 6"/150 | 16 |
| 4" | 6"/150 | 16 |
| 5" | 6"/150 | 16 |
| 6" | 6"/150 | 16 |
| 8" | 6"/150 | 10 |
| 10" | 12"/300 | 4.5 |
| 12" | 12"/300 | 4.5 |

- End flanges as per customer specification available
- Due to policy of continual improvement, the specifications are subject to change without prior notice.
- Measurements are subject to 5% tolerance.
- To achieve good results do not over load fitting more than designed parameters as per drawing/ catalogue