

T-FLEX® MUFF HOSE



MINING

MUFF COUPLING HOSE SUCTION AND DISCHARGE



The Trelleborg T-FLEX® muff coupling hose and coupling system offers a flexible slurry hose solution that can be cut to length for site fit-up. The T-FLEX® MUFF HOSE is versatile in its applications and suitable for light duty slurry transfer in both discharge and suction duties. The T-FLEX® MUFF HOSE is locally stocked and available in a broad range of sizes and are complemented by our aluminum muff couplings.

APPLICATIONS

Pumping and transfer of abrasive slurries under pressure or vacuum for:

- Mineral processing plants
- Sand and gravel plants
- Tailings and slimes lines
- Dewatering duties
- Pneumatic transfer

ADVANTAGES

- Good resistance to slurry abrasion
- Can be cut to length for site fit-up
- Coupling design supports Table D/E and ANSI 150
- Can be custom made with a range of wear liner options



TECHNICAL DESCRIPTION

Nominal Bore: 50mm to 400mm

Inner tube: 60 shore NR/SBR natural rubber wear liner

Reinforcement: synthetic textile cord fabric with embedded steel wire helix

Cover: abrasion and UV resistant outer cover, smooth, fabric impression

Temperature range: -35°C to +75°C

Working pressure: 1000 kPa

END FITTING OPTIONS

Hoses are fitted with muff couplings and must be used to the following maximum working pressure:

- ID ≤ 300mm: 1000 kPa
- ID > 300mm: 700 kPa
- 1000 kPa for static applications (no hose movement, no water hammer) and/or temperature max < 40°C, 700 kPa for dynamic application and/or temperature > 40°C

COMPLEMENTARY INFORMATION

- Hose is stocked in standard lengths. Ask us if longer lengths are required



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| HOSE ID | | OUTSIDE DIAMETER | | STD. LINER THICKNESS | | WEIGHT PER METER | MINIMUM BEND RADIUS | VACUUM RATING |
|---------|----|------------------|------|----------------------|------|------------------|---------------------|---------------|
| mm | in | mm | in | mm | in | kg | x Dia | % |
| 50 | 2 | 70 | 2.9 | 6 | 1/4 | 2.6 | 6x | 90 |
| 80 | 3 | 104 | 4.1 | 6 | 1/4 | 5.8 | 6x | 90 |
| 100 | 4 | 132 | 5.2 | 6 | 1/4 | 7.7 | 6x | 90 |
| 125 | 5 | 157 | 6.2 | 6 | 1/4 | 9.8 | 6x | 90 |
| 150 | 6 | 182 | 7.2 | 6 | 1/4 | 11.5 | 6x | 90 |
| 200 | 8 | 233 | 9.2 | 6 | 1/4 | 15.3 | 6x | 90 |
| 250 | 10 | 286 | 11.3 | 6 | 1/4 | 22.2 | 7x | 90 |
| 300 | 12 | 344 | 13.5 | 7 | 9/32 | 28.4 | 7x | 90 |
| 350 | 14 | 395 | 16.0 | 7 | 9/32 | 34.6 | 7x | 90 |
| 400 | 16 | 456 | 18.0 | 8 | 5/16 | 50.4 | 7x | 90 |

Note
Please consult Trelleborg for manufacturing tolerances.

Cast aluminium muff couplings as standard.
Other materials on request.

The muff coupling design supports Table D/E
and ANSI 150 drill patterns.



Standard sizes and lengths stocked. Customised requirements upon request.

T-FLEX® MUFF HOSE can be cut to length.

