

T-FLEX® PREFORMER



MINING

PREFORMER SLURRY HOSE SUCTION AND DISCHARGE



Trelleborg's T-FLEX® PREFORMER slurry hose bends are custom manufactured to any angle and offer superior wear performance over traditional rubber lined pipe bends. Trelleborg's T-FLEX® PREFORMER slurry hose bends can be supplied with Trelleborg's premium 40 shore natural rubber or 60 shore NR/SBR abrasion resistant rubber with optional alumina ceramic tiles embedded into the outer arch of the bend. Our T-FLEX® PREFORMER slurry hose bends are available up to a 5D radius and designed to your required working pressure and end fitting needs.

APPLICATIONS

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

- Mineral processing plants
- Sand and gravel plants
- High pressure tailings lines
- Pneumatic transfer

ADVANTAGES

- Excellent resistance to abrasion
- Longer service life versus rubber lined pipe
- Ease of installation
- Damping of vibrations and noise



TECHNICAL DESCRIPTION

Nominal Bore: 40mm to 1200mm

Bend radius: 1.5D, 3D, 5D and custom

Bend angle: 30, 45, 60, 90 and custom

Inner tube: 40 shore, Trelleborg premium natural rubber or 60 shore NR/SBR wear liner with optional composite alumina ceramic hex tiles embedded into the outer arch

Reinforcement: synthetic textile cord fabric with embedded steel wire helix or steel hoops

Cover: abrasion and UV resistant outer cover, fabric impression

Temperature range: -35°C to +75°C

Working pressure: up to 3500 kPa

END FITTING OPTIONS

PREFORMER hose bends can be manufactured with:

- Flanged to: AS2129 D/E, ASME, BS, SABS, DIN or custom
 - Available in carbon steel or stainless
 - Swivel design
- Victaulic grooved or shouldered couplings
- 1 flange + muff coupling
- Muff coupling each end
- 2 enlarged or smooth cuffs

COMPLEMENTARY INFORMATION

- Designed to various radii and angles to your specific requirements
- May be bore matched to align with other pipework
- Site audits, 3D scanning and drafting services are available for a fully engineered solution
- Every facet of the hose design can be modified to your needs



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NOMINAL BORE NB	HOSE ID {ØD} mm	STD. LINER THICKNESS		3D RADIUS		CENTRE LINE TO FACE 90° {A}		CENTRE LINE TO FACE 45° {A}	
		mm	in	mm	in	mm	in	mm	in
100	101	6	1/4	305	18	607	23.9	339	13.3
150	152	6	1/4	457	18	607	23.9	339	13.3
200	203	10	3/8	610	24	760	29.9	403	15.9
250	254	10	3/8	762	30	912	35.9	466	18.3
300	304	12	1/2	914	36	1114	43.9	579	22.8
350	355	12	1/2	1067	42	1267	49.9	642	25.3
400	406	12	1/2	1219	48	1419	55.9	705	27.8
450	457	12	1/2	1372	54	1572	61.9	768	30.2
500	508	12	1/2	1524	60	1724	67.9	831	32.7
600	610	15	5/8	1829	72	2029	79.9	958	37.7

Consult Trelleborg for other size and dimensional requirements.

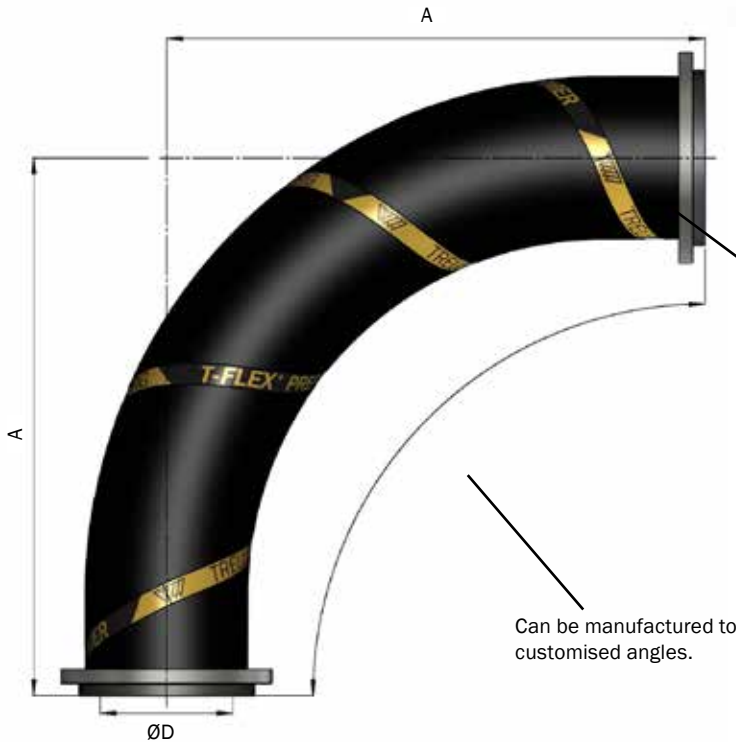
Note
 Physical properties are typical values and may be modified to accommodate the specific installation.
 Custom internal hose diameters or oversized flanges are available upon request.
 Standard wear liner thickness is a recommendation for slurry applications. Increased wear liner thicknesses can be accommodated (please consult Trelleborg).
 Please consult Trelleborg for manufacturing tolerances.



Each PREFORMER hose bend is designed to the required working pressure.

Trelleborg's expertise in wear performance ensures you have the right material and wear lining thickness for the application.

We can customise the PREFORMER hose bend to bore match with your other pipework.



Manufactured with swivel flanges to your required drill pattern.

Can be manufactured to customised angles.

