

# T-FLEX® XTREME



## MINING

### SLURRY HOSE SUCTION AND DISCHARGE



The Trelleborg T-FLEX® XTREME ceramic slurry hose offers ultra high abrasion resistance. The design combines the benefits of a flexible slurry hose with composite alumina ceramic tiles that are embedded within the hose wear liner. The T-FLEX® XTREME slurry hose is tailor made to suit the specific duty and engineered to perform.

### APPLICATIONS

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

- Mineral processing plants
- Coal preparation plants
- Sand and gravel plants
- Pneumatic dry transfer

### ADVANTAGES

- Excellent resistance to abrasion
- Low installation costs
- Suppression of pressure surges
- Damping of vibrations and noise
- Longer service life

### TECHNICAL DESCRIPTION

Nominal Bore: 150mm to 750mm

Length: custom manufactured lengths

Inner tube: composite alumina ceramic tiles embedded within a 60 shore NR/SBR liner

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

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

Temperature range: -35°C to +75°C

Working pressure: up to 5000 kPa

### END FITTING OPTIONS

Hoses can be manufactured with:

- Flanged to: AS2129 D/E, ASME, BS, SABS, DIN or custom  
*Fixed or swivel design*  
*Available in carbon steel or stainless*
- Victaulic grooved or shouldered couplings
- 1 flange + muff coupling

### COMPLEMENTARY INFORMATION

- 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 mm	STD. LINER THICKNESS mm	STD. DESIGN PRESSURE		MINIMUM BURST PRESSURE		VACUUM RATING %	MINIMUM BEND RADIUS	
			kPa	psi	kPa	psi		m	x Dia
100	101	6	700	100	2800	400	90	Consult Trelleborg	
125	127	6	700	100	2800	400	90	Consult Trelleborg	
150	152	6	700	100	2800	400	90	Consult Trelleborg	
200	203	6	700	100	2800	400	90	Consult Trelleborg	
250	254	12	700	100	2800	400	90	Consult Trelleborg	
300	304	12	700	100	2800	400	90	Consult Trelleborg	
350	355	12	700	100	2800	400	90	Consult Trelleborg	
400	406	12	700	100	2800	400	90	Consult Trelleborg	
450	457	12	700	100	2800	400	90	Consult Trelleborg	
500	508	12	700	100	2800	400	85 <sup>(1)</sup>	Consult Trelleborg	
550	559	12	700	100	2800	400	80 <sup>(1)</sup>	Consult Trelleborg	
600	610	12	700	100	2800	400	75 <sup>(1)</sup>	Consult Trelleborg	
700	711	12	700	100	2800	400	50 <sup>(1)</sup>	Consult Trelleborg	
750 - 1000	Please consult Trelleborg								

<sup>(1)</sup> Please consult Trelleborg for a tailored solution if full vacuum is required.

**Note**  
 Physical properties are typical values for wire reinforced slurry hose (Table D, 700 kPa design pressure). Data is subject to change as its specific to the hose design requirement. Custom internal hose diameters or oversized flanges are available upon request.  
 Design pressures up to 5000 kPa can be provided.  
 The minimum bend radius is a guide and subject to confirmation on the specific hose design.  
 Please consult Trelleborg for manufacturing tolerances.

Each hose is designed to the required working pressure.

We build the hose with your required flange drill pattern.

We custom manufacture to your required lengths.

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

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

