

Flexible Production Lines - Rough Bore for Gas & Liquid service

API Specification 17K API Monogram License No: 17K-0001.

ISO 13628-10

Applications:

Live crude oil
Gas export
Gas injection
Gas lift
Sour service

Topside jumper
Subsea jumper
Tie-in
Riser
Flow line

Lining Material: H2S Resistant Synthetic polymer

Operating temperature: -20°C to +90°C

Allowed aromatic content: max 30%

Max allowed H2S content: Up to 60°C 3000ppm or 15 psi, whichever is greater.

Up to 90°C 1000ppm or 5 psi, whichever is greater.

Recommended maximum flow velocity: 20m/sec for dry gas; 15m/sec for liquid; 8m/sec for gaseous oil

Maximum available length: 30m/33.5m

Production length tolerance:

up to 6.4m hose length +/- 64mm

above 6.4m hose length +/- 1%



- Fire rating available to Lloyd's Register OD 1000/499.
- Additional external protection can be added to the hose.
- Material of the couplings is either Carbon Steel or Duplex.
- Minimum Bending Radius (MBR) is referred to the centre-line of the hose.

ID	Type	Design Pressure				Test Pressure		Safety Factor	OD Hose Body	MBR Storage	MBR Static	MBR Dynamic	Weight of Hose Body	Note
		Gas Service		Liquid Service		psi	bar							
in		psi	bar	psi	bar	psi	bar	xWP	mm	m	m	m	Kg/m	
2	Standard	7500	517	10000	690	15000	1035	2.25	142	1.0	1.1	1.5	38	a
	Standard c/w st.st wrap								152	1.0	1.1	1.5	42	a
	Fire rated								163	1.1	1.2	1.7	47	a
	Fire rated c/w st.st wrap								174	1.1	1.2	1.7	53	a
2.5	Standard	7500	517	10000	690	15000	1035	2.25	153	1.1	1.2	1.7	41	a
	Standard c/w st.st wrap								167	1.1	1.2	1.7	49	a
	Fire rated								174	1.2	1.4	1.8	50	a
	Fire rated c/w st.st wrap								180	1.2	1.4	1.8	56	a
3	Standard	7500	517	10000	690	15000	1035	2.25	169	1.2	1.4	1.8	49	a
	Standard c/w st.st wrap								180	1.2	1.4	1.8	56	a
	Fire rated								189	1.3	1.5	2.0	59	a
	Fire rated c/w st.st wrap								201	1.3	1.5	2.0	67	a

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		Gas Service		Liquid Service		psi	bar							
in		psi	bar	psi	bar	psi	bar	xWP	mm	m	m	m	Kg/m	
3.5	Standard	7500	517	10000	690	15000	1035	2.25	195	1.4	1.6	2.1	68	a
	Standard c/w st.st wrap								207	1.4	1.6	2.1	76	a
	Fire rated								208	1.5	1.8	2.3	76	a
	Fire rated c/w st.st wrap								227	1.5	1.8	2.3	88	b
4	Standard	7500	517	10000	690	15000	1035	2.25	219	1.4	1.6	2.1	89	b
	Standard c/w st.st wrap								230	1.4	1.6	2.1	98	b
	Fire rated								239	1.5	1.8	2.3	102	b
	Fire rated c/w st.st wrap								251	1.5	1.8	2.3	112	b
5	Standard	6000	414	8000	552	12000	828	2.25	245	1.8	2.0	2.7	104	b
	Standard c/w st.st wrap								257	1.8	2.0	2.7	114	b
	Fire rated								266	1.9	2.2	2.9	118	b
	Fire rated c/w st.st wrap								277	1.9	2.2	2.9	130	b

Note: a. maximum available hose length 33.5m.
b. maximum available hose length 30m.