

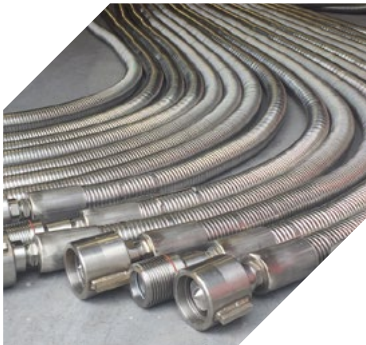


FLAMESHIELD HOSE

Gates Engineering & Services UK LTD Flameshield hose range is designed for emergency situations where operation must continue in fire conditions. Flameshield hoses are wholly bonded rubber construction with embedded fire resistant properties offering relatively light weight and maximum flexibility. There is no need for additional materials to be added around the hose to achieve the fire resistance. Flameshield hose is clearly recognisable with the outer red cover.

Flameshield hoses have been fire tested under severe test conditions in accordance with the industries most stringent requirements:

- ◆ **Flameshield 5000** API 16D at 700°C for 5 mins
- ◆ **Flameshield 300** Lloyds OD1000/499 at 700°C for 30 mins & ABS Rules at 800°C for 30 mins



Flameshield 5000 Blowout Preventer Hydraulic hose:

When primary well control has been lost, it becomes the function of the BOP to operate and seal the well to prevent a blowout. All equipment must be able to operate under fire exposure conditions. **Flameshield 5000** is a hydraulic control hose that operates at 5,000psi whilst exposed directly to fire for a minimum of 5 minutes ensuring all well control operations can be effected in an emergency situation.



Flameshield 300 Seawater Delivery Hose 21 bar:

Utilised in deluge systems on offshore installations, the hose will operate in a fire for a minimum of 30 minutes offering platform personnel an escape route in emergency situations. Hose liner also suitable for hydrocarbon services.



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FLAMESHIELD HOSE

Flameshield 5000 Blowout Preventer Hydraulic hose:

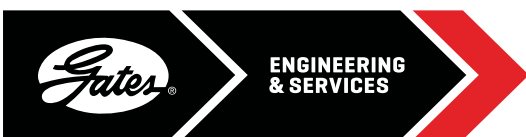
- Tube:** Black Nitrile Rubber
Reinforcement: High Tensile Steel Wire Spirals
Cover: Red CR Rubber with Embedded Fire Resistant Layers, Abrasion, Ozone, Weather, Heat & Oil Resistant
Temperature: -40°C to + 121°C

ID		OD	Working Pressure		Burst Pressure		MBR	Weight
inch	mm	mm	bar	psi	bar	psi	mm	kg/m
¼	6.5	20	350	5,000	1,400	20,000	110	0.7
3/8	9.5	24	350	5,000	1,400	20,000	150	0.8
½	12.7	30	350	5,000	1,400	20,000	250	1.2
¾	19.1	37	350	5,000	1,400	20,000	330	1.9
1	25.4	44	350	5,000	1,400	20,000	375	2.6
1-1/4	31.7	58	350	5,000	1,400	20,000	460	4.2
1-1/2	38.1	63	350	5,000	1,400	20,000	520	5.0
2	50.8	77	350	5,000	1,400	20,000	700	7.5

Flameshield 300 Seawater Delivery Hose 21 bar:

- Tube:** Black Nitrile Rubber
Reinforcement: Steel Braided Layers & Anti-static Copper Wire, Steel Helix Wire included on 6" ID and above
Cover: Red CR Rubber, Abrasion, Ozone, Weather, Heat & Oil Resistant
Temperature: -30°C to + 100°C

ID		OD	Working Pressure		Burst Pressure		MBR	Weight
inch	mm	mm	bar	psi	bar	psi	mm	Kg/m
1.1/2	38	74	21	305	104	1,500	302	3.8
2	51	79	21	305	104	1,500	400	4.8
3	76	107	21	305	104	1,500	500	7.0
4	102	134	21	305	104	1,500	600	7.5
5	127	156	21	305	104	1,500	1,030	9.5
6	152	184	21	305	104	1,500	1,140	14.0
8	203	242	21	305	104	1,500	1,250	22.0
10	254	295	21	305	84	1,218	1,600	25.0



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