



COMPANY PROFILE

GATES OIL & GAS, A GLOBAL COMPANY SERVING THE ENERGY MARKET

Gates Engineering & Services UK, part of Gates Global Oil & Gas specialise in the design, manufacture and supply of hoses to the Energy Exploration, Extraction and Production industries. Our team of personnel have extensive experience and knowledge of the design, selection, supply, installation, operation and servicing of flexible hoses for all applications.

We provide a comprehensive range of flexible hoses and couplings for fluid transfer. Our modern international facilities manufacture low, medium and high pressure hose assemblies, including speciality long-length and fire-rated hoses, where applicable DNV and ABS Type Approvals are held. Our engineering team will support the client design team during all phases of engineering from FEED studies through to installation and lifetime service support ensuring the hoses maintain excellent performance and long life.

Gates provides high quality and reliable service to our customers, to an industry where quality and delivery are paramount. We strive for excellence in the provision of flexible hoses and are committed to building long-term relationships with our customers.

PRODUCTS AND SERVICES



HIGH PRESSURE DRILLING HOSES



INDUSTRIAL AND RIG SUPPLY HOSES



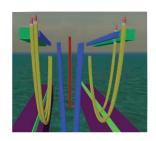
DRAG CHAIN HOSES



SPECIALTY HEAT-TRACE HOSES



FIRE RESISTANT HYDRAULIC BOP HOSES



HOSE CONFIGURATION AND GLOBAL INTERFACE ANALYSIS



FIREWATER MAINS HOSE



HOSE MANAGEMENT & INTEGRITY SERVICES

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HIGH PRESSURE DRILLING HOSE

ROTARY DRILLING AND VIBRATOR, MUD DELIVERY, AND CEMENT HOSES

Gates manufacturers bonded rubber hoses with spiral steel cable reinforcement and one-piece bonded in end couplings. The hoses are mandrel built in continuous lengths up to 62 metres and fully vulcanised to form a fully bonded hose assembly offering excellent flexibility. Our product range covers pressures up to 15,000psi and bore size up to 8".

Applications include Rotary Drilling, Vibrator, Mud, Cement, Hydraulic, Tensioner and Motion Compensator services. Specialist variations include integral fire resistance to Lloyds OD1000/499 at 700°C for 30 minutes, and embedded steel helix wire protection.





STANDARDS:

- API 7K Rotary Drilling & Mud hoses Type Approved to DNV-OS-E101 & ABS CDS
- API 7K Cement Hoses Type Approved to DNV-OS-E101 & ABS CDS
- API 7K Hydraulic Tensioner Hoses
 Type Approved to DNV-OS-E101
 & ABS CDS
- FSL 0, FSL 1 & FSL 2
- Temperature Range I: -20 °C to +82 °C (-4 °F to +180 °F)
- Temperature Range II: -20 °C to +100 °C (-4 °F to +212 °F)
- Temperature Range III: -20 °C to +121 °C (-4 °F to +250 °F)

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HIGH PRESSURE DRILLING HOSE

ROTARY DRILLING AND VIBRATOR, MUD DELIVERY, AND CEMENT HOSES

SPECIFICATIONS:













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ID		OD	API GRADE	WORKING PRESSURE	TEST PRESSURE	SAFETY FACTOR	MIN BURST PRESSURE	MBR OPERATIONAL	WEIGHT	REMARK
inch	mm	mm		psi	psi		psi	mtr	kg	
2"	51	91	D	5,000	7,500	2.5	12,500	1.0	15	
		119		10,000	15,000	2.25	22,500	1.2	27	Cement
		119		15,000	22,500	2.25	33,750	1.4	27	Cement
		103	С	4,000	6,000	2.5	10,000	0.6	15	
	63.5	117	D	5,000	7,500	2.5	12,500	0.9	12	
2.5"		117	E	7,500	11,250	2.5	18,750	1.0	20	
		117		10,000	15,000	2.25	22,500	1.2	20	Cement
		150		15,000	22,500	2.25	33,750	1.5	48	Cement
	76	120	С	4,000	6,000	2.5	10,000	0.7	18	
		133	D	5,000	7,500	2.5	12,500	1.2	24	
3"		142	E	7,500	11,250	2.5	18,750	1.2	39	
		142		10,000	15,000	2.25	22,500	1.5	39	Cement
		180		15,000	22,500	2.25	33,750	1.6	79	Cement
	89	134	С	4,000	6,000	2.5	10,000	0.9	20	
3.5"		134	D	5,000	7,500	2.5	12,500	1.4	20	
		152	Е	7,500	11,250	2.5	18,750	1.4	39	
	102	160	С	4,000	6,000	2.5	10,000	1.4	27	
4"		168	D	5,000	7,500	2.5	12,500	1.4	44	
		187	E	7,500	11,250	2.5	18,750	1.5	52	
5"	127	191	D	5,000	7,500	2.5	12,500	1.3	47	
5	121	211	Е	7,500	11,250	2.5	18,750	1.8	72	

Note: MBR is taken to the centre-line of each hose

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INDUSTRIAL & UTILITY HOSE

Our global product offering from stocking locations offers complete range of hoses for Industrial and Utility services for the offshore Oil & Gas Exploration and Production industry. Our hoses offer excellent performance in the harsh offshore environment. End fittings are precision machined on in-house CNC equipment. Every hose is hydrostatically tested and provided with full certification package.





HOSE RANGE

CODE	PRODUCTS	WORKING PRESSURE		CODE	PRODUCTS	WORKING PRESSURE	
		bar	psi			bar	psi
AF20S	Air Hose	20	290	F020H	Oil Suction & Delivery Hose	20	290
AS30/40S	Air Hose	30/40	435/580	F020S	Oil Delivery Hose	20	290
BP10H	Bulk Production Suction & Delivery Hose	10	145	F040H	Oil Suction & Delivery Hose	40	580
BP10S	Bulk Production Delivery Hose	10	145	F040S	Oil Delivery Hose	40	580
BP20H	Bulk Production Suction & Delivery Hose	20	290	F070S	Oil Delivery Hose	70	1015
BP20S	Bulk Production Delivery Hose	20	290	GP20S	General Purpose Hose	20	290
CE16H	Chemical Suction & Delivery Hose	16	232	NG20S	Nitrogen Delivery Hose	20	290
CU16H	Chemical Suction & Delivery Hose	16	232	WS175	Steam Hose	17	246
CX16H	Chemical Suction & Delivery Hose	16	232	WT10H	Potable Water Suction & Delivery Hose	10	145
F010H	Oil Suction & Delivery Hose	10	145	WT10S	Potable Water Delivery Hose	10	145
F010S	Oil Delivery Hose	10	145	WT20H	Potable Water Suction & Delivery Hose	20	290
WT20S	Potable Water Delivery Hose	20	290				

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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 a bonded, multi-layer, light-weight construction, that provides maximum fire resistance without additional shielding material.

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 BOP PREVENTER HYDRAULIC HOSE

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



FLAMESHIELD 300 SEAWATER DELIVERY HOSE

Utilised in deluge systems offshore installations, the hose is rated and tested to operate in a fire for a minimum of 30 minutes affording and supporting emergency evacuation procedures.

Hose liner can also be provided for hydrocarbon services. Contact our sales team to advise any specific service requirements.

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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		MIN BURST PRESSURE		MBR	WEIGHT
inch	mm	mm	bar	psi	bar	psi	mm	kg/m
1/4	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
1/2	12.7	30	350	5,000	1,400	20,000	250	1.2
3/4	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

TUBE: Black Nitrile Rubber

REINFORCEMENT: Steel Braided Layers & Anti-static Copper Wire, Steel Helix Wire 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		MIN BURST PRESSURE		MBR	WEIGHT
inch	mm	mm	bar	psi	bar	psi	mm	kg/m
1-1/2	38.1	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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