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CATALOG NO.	50001
EDITION	2024

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# GATES OIL & GAS

PRODUCT CATALOG





# DEMAND MORE DEMAND GATES

**WHATEVER THE PART**

**WHATEVER THE TIME**

**WHATEVER THE CONDITIONS**



# TABLE OF CONTENTS

<b>DEMAND MORE. DEMAND GATES.</b> .....	<b>02</b>	OILFIELD SERVICE 400D ULTRABRASION™ . . . . .	41
<b>GLOBAL STRENGTH, LOCAL PRESENCE.</b> .....	<b>03</b>	OILFIELD SERVICE 400D . . . . .	42
<b>DEMAND THE COMPLETE PACKAGE.</b> .....	<b>04</b>	OILFIELD SERVICE 400SD . . . . .	43
<b>HOSES EXPLANATION OF SYMBOLS .</b> .....	<b>06</b>	OILFIELD VACUUM (100-150) SD . . . . .	44
<b>END CONNECTION OPTIONS .</b> .....	<b>07</b>	SUPER-VAC™(60-150) SD . . . . .	45
		SUPER-VAC MEGAFLEX™ (60-200) SD . . . . .	46
<b>HIGH PRESSURE OILFIELD HOSE ASSEMBLIES</b> .....	<b>08</b>		
<b>BLACK GOLD™ DRILLING HOSE</b>		<b>HYDRAULICS .</b> .....	<b>47</b>
GRADE D . . . . .	09	POWERBRAID™ . . . . .	48
GRADE E . . . . .	10	POWERBRAID + . . . . .	49
LOW TEMP . . . . .	11	POWERSPIRAL™ 3K . . . . .	50
<b>BLACKGOLD MUD &amp; CEMENT</b>		POWERSPIRAL 5K . . . . .	51
5K . . . . .	12	MXG™ 5K WITH XTRATUFF™ PLUS COVER . . . . .	52
10K . . . . .	13	MXG 4K WITH XTRATUFF PLUS COVER . . . . .	53
15K . . . . .	14	MXT™ . . . . .	54
<b>BLACK GOLD WELL CONTROL</b>		<b>POWER TRANSMISSION</b> .....	<b>55</b>
CHOKE & KILL 5K . . . . .	16	POLY CHAIN® GT™ CARBON™ SYNCHRONUS BELTS . . . . .	56
CHOKE & KILL 10K . . . . .	17	PREDATOR™ V-BELTS & POWERBAND™ . . . . .	56
CHOKE & KILL 16C . . . . .	18		
MEGASHIELD™ BOP 5K . . . . .	19		
MEGASHIELD BOP 10K . . . . .	20		
<b>OTHER HIGH PRESSURE</b>			
SLIM HOLE ROTARY (1500-5000) . . . . .	22		
HYDRAULIC TENSIONER & COMPENSATOR HOSE ASSEMBLIES . . . . .	23		
FRAC HOSE ASSEMBLIES . . . . .	24		
<b>INDUSTRIAL HOSE</b> .....	<b>25</b>		
BULK MATERIAL 300D . . . . .	26		
BULK MATERIAL 300SD . . . . .	27		
CHEMICAL PLUS XLPE 250SD . . . . .	28		
DRILL WATER 300D . . . . .	29		
DRILL WATER 300SD . . . . .	30		
MUD & OIL 300D . . . . .	31		
MUD & OIL 300SD . . . . .	32		
POTABLE WATER 300D . . . . .	33		
POTABLE WATER 300SD . . . . .	34		
BLENDER TRANSFER 150D . . . . .	35		
FUEL 300D . . . . .	36		
FUEL 300SD . . . . .	37		
OILFIELD FRAC 400D . . . . .	38		
OILFIELD FRAC 400SD . . . . .	39		
OILFIELD SERVICE (100-150) SD . . . . .	40		

# DEMAND MORE DEMAND GATES

In the toughest of conditions, oil rig operatives need parts that won't let them down, from a supplier that won't let them down. One that will not fail under pressure.

They need a provider like Gates: because when our customers demand more, we deliver – every time. With unsurpassed quality, in industry-leading lead times.



## RECEIVE UNPARALLELED QUALITY

At Gates, we prioritize quality and safety above all else. Our products undergo rigorous on-site testing to ensure uncompromising quality, providing you with the peace of mind you deserve.

With the understanding that failure is not an option in demanding, high-performance applications, our API-certified products are designed to meet these needs continuously, day and night.

Trust in the Gates Black Gold legacy to deliver excellence in performance and safety.



## RECEIVE UNMATCHED SPEED

We understand that quality alone is not enough; prompt delivery is crucial. That is why our commitment to innovative technology is at the center of everything we do: our cutting-edge retroactive bonding (RAB) and state-of-the-art crimp technologies allows us to shorten lead times considerably.

Increase your uptime and productivity with standard delivery times that are faster than our competitors. Products delivered at the right time, every time.



## RECEIVE UNCOMPROMISING RELIABILITY

In the realm of offshore oil rig operations, where demands are high, it's reassuring to have a nearby supplier that can precisely meet your needs when you need it most.

Our strong global presence is rooted in a regional approach that allows you to benefit from the proximity of production and service facilities worldwide.

You can rely on a close-by parts provider without compromising on expertise, which remains unmatched in the industry.

# GLOBAL STRENGTH, LOCAL PRESENCE



**Gates Oil & Gas USA**  
7603 Prairie Oak Dr Suite 190,  
Houston, TX 77086



**Gates Oil & Gas U.K.**  
Bassington Dr, Cramlington  
NE23 8AS, U.K.



**Gates Engineering & Services FZCO**  
Plot No. S20110 Jebel Ali Free  
Zone (South) Dubai 61046  
United Arab Emirates



**Gates Engineering & Services Mexico SA**  
Carretera Reforma Dos Bocas KM.  
17+920R/a Pechucalco 2da. Seccion  
Cunduacan, Tabasco 86690 Mexico



**Gates Engineering & Services CJSC EIDB6369**  
Building No 6369  
District No 3136 Dhahran 34321  
Kingdom Of Saudi Arabia

# DEMAND THE COMPLETE PACKAGE PARTNER WITH GATES EVERY STEP OF THE WAY

By selecting Gates, you not only opt for unparalleled quality and performance but also gain the advantage of a supplier offering ongoing assistance throughout the lifecycle of our products.



## ON-LOCATION SITE SURVEYS

Gates specialists can visit your location and perform a full, onsite application requirement (and risk assessment). This includes in-situ visible inspection of your critical hose assembly, full product inventory, and scheduled maintenance analysis. Upon completion, you will receive a detailed component bill of materials by location and operating system to support ongoing compliance and safety reviews, with recommended replacement intervals to avoid unplanned downtime.



## QUICK DELIVERY & ON-HAND INVENTORY

Gates excels at providing what you need when you need it. We combine a fully stocked component inventory with revolutionary assembly technologies to cut delivery times in half. Ensure your facility's uptime and productivity by partnering up with Gates for the industry's best lead times, meeting all your urgent requirements.



## INSPECTION, MAINTENANCE & REPAIR (IMR)

A successful equipment maintenance program begins with Inspection, Maintenance & Repair (IMR) Services from Gates. Gates IMR Services provide periodic inspection and thorough testing of your oil drilling and service hoses, ensuring your critical hose assemblies meet all regulatory standards and certifications.

Gates IMR includes a visual inspection through an endoscopic hose analysis and a thorough internal and external hose cleaning, with a pass/fail rating at every stage. Your Gates hose assembly expert then performs any necessary hose maintenance, recommends component replacements, and runs a hydrostatic test to ensure the integrity of the hose meets the demands of your flexible pipe or hose assembly application.



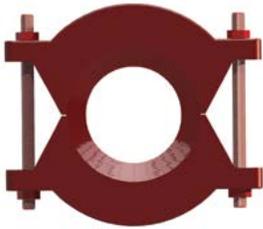


# HOSES - EXPLANATION OF SYMBOLS

<b>INSIDE DIAMETER</b>	<b>OUTSIDE DIAMETER</b>	<b>TEST PRESSURE</b>
<b>RATED WORKING PRESSURE</b>	<b>MAXIMUM WORKING PRESSURE</b>	<b>MINIMUM BURST PRESSURE</b>
<b>VACUUM</b>	<b>MINIMUM BEND RADIUS</b>	<b>API GRADE</b>
<b>TEST FACTOR</b>	<b>WEIGHT</b>	<b>MAX HOSE LENGHT</b>
<b>REFERENCE HOSE</b>	<b>MAXIMUM ASSEMBLY LENGHT</b>	<b>NOTE</b>



# END CONNECTION OPTIONS



**API HUB CLAMP**



**HAMMER UNIONS**



**API HUB**



**API FLANGE ENDS**



# **HIGH PRESSURE**

**OILFIELD HOSE ASSEMBLIES**



# BLACK GOLD DRILLING HOSE | GRADE D

## HIGH PRESSURE OILFIELD HOSE



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/m
*2.5	64	5.1	131	345	5000	861	12500	36	914	9.8	4.4
^*2.5	64	5.1	131	345	5000	861	12500	36	914	8.8	4.0
3.0	76	5.6	144	345	5000	861	12500	48	1219	10.8	4.9
^*3.0	76	5.6	144	345	5000	861	12500	48	1219	11.9	5.4
^3.5	89	6.1	156	345	5000	861	12500	54	1372	12.8	5.8
^*3.5	89	6.1	156	345	5000	861	12500	54	1372	13.4	6.1
^*4.0	102	6.6	168	345	5000	861	12500	54	1372	13.4	6.1
^*4.0	102	6.7	170	345	5000	861	12500	54	1372	20.0	9.1
^*5.0	127	7.4	188	345	5000	861	12500	60	1524	30.8	14.0
^*5.0	127	7.7	197	345	5000	861	12500	60	1524	35.4	16.2

<b>APPLICATION</b>	Flexible connection between standpipe and top drive/swivel or between pump and standpipe for pumping mud at extra high pressure in oil drilling and exploration work. Meets the severe demands of today's drilling methods including directional drilling, pressure pulses and elevated temperatures.
<b>CONSTRUCTION</b>	Tube: Type C3 (Modified Nitrile) Reinforcement: Multiple layers of textile fabric and steel cable Cover: Type C4 (Modified Nitrile)
<b>TEMPERATURE</b>	(-20°C to +82°C) (-4°F to +180°F)   ^ (-20°C to +100°C) (-4°F to +212°F)
<b>FSL RATING</b>	FSL 1   *FSL 2*
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged, Crimped or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, fire resistance cover and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# BLACK GOLD XTREME™ DRILLING HOSE | GRADE E

## HIGH PRESSURE OILFIELD HOSE



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/m
2.5	64	5.1	131	517	7500	1292	18750	48	914	20	9
*2.5	64	5.1	131	517	7500	1292	18750	48	914	20	9
3.0	76	5.6	144	517	7500	1292	18750	48	914	22	10
*3.0	76	5.6	154	517	7500	1292	18750	48	914	23	10
^3.5	89	6.1	156	517	7500	1292	18750	54	1372	24	11
^*3.5	89	6.1	156	517	7500	1292	18750	48	914	26	11
^*4.0	102	6.6	168	517	7500	1292	18750	60	1524	27	12
^*4.0	102	6.7	170	517	7500	1292	18750	60	1524	29	13
^*5.0	127	8.1	206	517	7500	1292	18750	72	1829	43	19

<b>APPLICATION</b>	Flexible connection between standpipe and top drive/swivel or between pump and standpipe for pumping mud at extra high pressure in oil drilling and exploration work. Meets the severe demands of today's drilling methods including directional drilling, pressure pulses and elevated temperatures.
	Tube: Type C3 (Modified Nitrile)
<b>CONSTRUCTION</b>	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Type C4 (Modified Nitrile)
<b>TEMPERATURE</b>	-4°F to +180°F (-20°C to +82°C)   ^ -4°F to +212°F (-20°C to +100°C)
<b>FSL RATING</b>	FSL 1   *FSL 2*
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged, Crimped or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, fire resistance cover and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



## BLACK GOLD DRILLING HOSE | LOW TEMP

### HIGH PRESSURE OILFIELD HOSE



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/m
*3.0	76	4.61	117	345	5000	862	12500	48	1219	10.8	4.9
*3.5	89	5.25	133	345	5000	862	12500	54	1372	12.8	5.8
*4.0	102	5.61	142	345	5000	862	12500	54	1372	13.4	6.1
3.5	89	6.04	153	517	7500	1292	18750	54	1372	24	11
*4.0	102	6.48	168	517	7500	1292	18750	60	1524	26	12
4.0	102	6.69	170	517	7500	1290	18750	52	1320	29	13

<b>APPLICATION</b>	Gates Black Gold Low Temp hose product family is specifically designed to meet or exceed the severe demands of current drilling methods including directional drilling and high velocity pressure impulses in severe cold temperatures.
	Tube: Type C3 (Modified Nitrile)   Black
<b>CONSTRUCTION</b>	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Type C4 (Modified Nitrile) Black
<b>TEMPERATURE</b>	-40°F to +180°F (-40°C to +82°C)
<b>FSL RATING</b>	FSL 1   *FSL 2*
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged, Crimped or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# BLACK GOLD

## MUD & CEMENT 5K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft
2.0	51	2.8	71	345	5000	861	12500	36	914	4.6	2.1
2.5	64	4.1	105	345	5000	861	12500	36	914	9.8	4.4
3.0	76	4.6	117	345	5000	861	12500	48	1219	10.8	4.9
3.5	89	5.3	133	345	5000	861	12500	54	1372	12.8	5.8
4.0	102	5.6	142	345	5000	861	12500	54	1372	13.4	6.1

<b>APPLICATION</b>	Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure. The UltraBration cover is designed to handle external damage from abrasion, corrosion, gouges, oil and weather.
<b>CONSTRUCTION</b>	<p>Tube: Type C3 (Nitrile)</p> <p>Reinforcement: Multiple layers of textile fabric and steel cable</p> <p>Cover: Type C4 (Nitrile)</p>
<b>TEMPERATURE</b>	(-4°F to +180°F) (-20°C to +82°C)   ^ (4°F to +250°F) (-20°C to +121°C)
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged, Crimped or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, and stainless steel armor are available upon request. Test Certificates are shipped with every order. Coupling material traceability, letters of conformance and 3rd party witness tests available for an additional fee.
<b>CAUTION</b>	Field welding for couplings is not recommended



# BLACK GOLD

## MUD & CEMENT 10K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft
1.5	38	2.3	58	689	10000	1551	22500	20	508	3.2	1.4
2.0	51	2.8	71	689	10000	1551	22500	36	914	4.7	2.1
2.5	64	5.2	131	689	10000	1551	22500	48	1219	20.2	9.2
3.0	76	5.6	144	689	10000	1551	22500	48	1219	22.6	10.3
3.5	89	6.0	153	689	10000	1551	22500	54	1372	24.1	10.9

<b>APPLICATION</b>	Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure. The UltraBration cover is designed to handle external damage from abrasion, corrosion, gouges, oil, and weather.
<b>CONSTRUCTION</b>	<p>Tube: Type C3 (Nitrile)</p> <p>Reinforcement: Multiple layers of textile fabric and steel cable</p> <p>Cover: Type C4 (Nitrile)</p>
<b>TEMPERATURE</b>	-4°F to +180°F (-20°C to +82°C)   ^ (-20°C to +121°C) (-4°F to +250°F)
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged, Crimped or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, and stainless steel armor are available upon request. Test Certificates are shipped with every order. Coupling material traceability, letters of conformance and 3rd party witness tests available for an additional fee.



# BLACK GOLD

## MUD & CEMENT 15K



↔		⊘		⌚		⌚		⚙️		⚖️	
in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft
2	51	5.4	139	1034	15000	2327	33750	55	914	29.3	13.3
3	76	6.6	167	1034	15000	2327	33750	55	1524	38.7	17.6
3	76	6.5	156	1034	15000	2327	33750	60	1524	38.1	17.3

<b>APPLICATION</b>	Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure.
	Tube: Black Nitrile Rubber
<b>CONSTRUCTION</b>	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: PCR   Nitrile
<b>TEMPERATURE</b>	-13°F to +212°F (-25°C to +100°C)
<b>STANDARDS</b>	API 7K
<b>COUPLINGS</b>	Swaged or Bonded with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, fire resistance cover and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# **BLACK GOLD WELL CONTROL**



# BLACK GOLD MEGASHIELD

## CHOKE & KILL 5K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/m
3.0	76	6.1	155	345	5000	861	12500	48	1219	20.2	9.2
3.5	89	6.5	166	345	5000	861	12500	54	1372	22.0	11.9
4.0	102	6.7	170	345	5000	861	12500	60	1524	26.2	12.0

<b>APPLICATION</b>	Flexible Choke and Kill lines used on a Blow Out Preventer (BOP) system to control well pressure during the drilling process.
	Tube: Type V (Flouroelastomer)
<b>CONSTRUCTION</b>	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Type C4 (Modified Nitrile)
<b>TEMPERATURE</b>	-20°F to +200°F (-30°C to +93°C) continuous service
<b>STANDARDS</b>	Hose survived (Lloyds OD/1000/499) at 704°C for 30 minutes
<b>COUPLINGS</b>	Swaged or Crimped with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Finished assembly packaged in a heavy duty corrugated box or wooden crate
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, fire resistance cover and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# BLACK GOLD MEGASHIELD

## CHOKE & KILL 10K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/m
3.0	76	6.3	161	690	10000	1551	22500	48	1219	27.9	12.6
3.5	89	6.9	175	690	10000	1551	22500	54	1372	31.1	14.1
*3.5	89	6.5	166	690	10000	1551	22500	54	1524	35.4	16.2

<b>APPLICATION</b>	Flexible Choke and Kill lines used on a Blow Out Preventer (BOP) system to control well pressure during the drilling process.
	Tube: Type V (Flouroelastomer)   *HNBR
<b>CONSTRUCTION</b>	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Type C4 (Modified Nitrile)
<b>TEMPERATURE</b>	-20°F to +200°F (-30°C to +93°C) continuous service
<b>STANDARDS</b>	Hose survived (Lloyds OD/1000/499) at 704°C for 22 minutes   *30 minutes
<b>COUPLINGS</b>	Swaged or Crimped with a full range of fitting options including hammer unions, flanges, hubs, etc.
<b>PACKAGING</b>	Finished assembly packaged in a heavy duty wooden crate
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap, fire resistance cover and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# BLACK GOLD

## CHOKE & KILL 16C



↔		🕒		🌀		⚙️	⊘		👂		🏋️	
in.	mm	bar	psi	bar	psi		in.	mm	ft.	m	lb./ft.	kg/m
2	51	345	5000	517	7500	2.25	5.55	141	2.95	0.9	23.52	35
2	51	689	10000	1034	15000	2.25	5.83	148	3.93	1.2	27.69	41.2
2	51	1034	15000	1551	22500	2.25	7.36	187	5.24	1.6	44.99	66.95
2.5	64	689	10000	1034	15000	2.25	6.22	158	4.92	1.5	35.01	52.1
3	76	345	5000	517	7500	2.25	6.50	165	3.93	1.2	31.31	46.6
3	76	689	10000	1034	15000	2.25	7.20	183	4.92	1.5	44.95	66.9
3	76	1034	15000	1551	22500	2.25	8.19	208	5.24	1.6	66.39	98.8

<b>APPLICATION</b>	A flexible connection in the BOP (blow out prevention) . Flexible Choke & Kill lines are critical; by either choking or killing in the case of a pressure kick or blowout.
	Bore: Smooth bore, full bore
<b>CONSTRUCTION</b>	Tube: Stripwound and HNBR
	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Polychloroprene rubber (PCR)
<b>TEMPERATURE</b>	-25°C to +100°C (-13°F to +212°F)
<b>STANDARDS</b>	API 16C 2nd Edition FSL3, ISO 47693, ABS Type Approvals
<b>COUPLINGS</b>	Bonded
<b>MAXIMUM AVAILABLE LENGTH</b>	60 m



# BLACK GOLD

## MEGASHIELD BOP 5K



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
1/4	6	0.77	20	345	5000	4	102	0.2	0.37	440
3/8	10	0.93	24	345	5000	5	127	0.2	0.52	330
1/2	13	1.05	27	345	5000	7	178	0.3	0.63	220
3/4	19	1.38	35	345	5000	9.5	241	0.5	1.05	200
1	25	1.67	42	345	5000	12	305	0.8	1.77	200
1 1/4	32	2.11	54	345	5000	16.5	419	1.2	2.67	200
1 1/2	38	2.41	61	345	5000	20	508	1.4	3	200
2	51	2.96	75	345	5000	25	635	2.6	5.73	200

<b>APPLICATION</b>	Blow-out preventer (BOP) systems requiring high pressure, high temperature and flame-resistant control lines certified to API 16D and Lloyds 1000/499 fire test for five minutes at 1300°F (704°C).
<b>CONSTRUCTION</b>	<p>Tube: Type C (Nitrile) Black</p> <p>Reinforcement: Multiple layers of high tensile steel wire</p> <p>Cover: Type A3 (Modified Chloroprene)</p> <p>Design Factor: 4:1</p>
<b>TEMPERATURE</b>	-40°F to +212°F (-40°C to +100°C) continuous service
<b>STANDARDS</b>	API (American Petroleum Institute) 16D and Lloyds 1000/499 fire test Hydrostatic pressure tests per EUB (Alberta Energy and Utilities Board)
<b>COUPLINGS</b>	Crimped couplings with over-ferrule fire protection
<b>PACKAGING</b>	Finished assembly packaged in a heavy duty corrugated box or wooden crate
<b>OPTIONS</b>	Test certificates are shipped with every order. Lloyds certificates are available upon request. Accessories such as API 16D quick disconnects and exterior armor to protect hoses against extreme environmental damage are available upon request.
<b>CAUTION</b>	All bop assemblies must be manufactured according to Gates gts specifications to meet api 16d and llyods 1000/499 fire test requirements by Gates E&S or a qualified Gates Black Gold distributor.



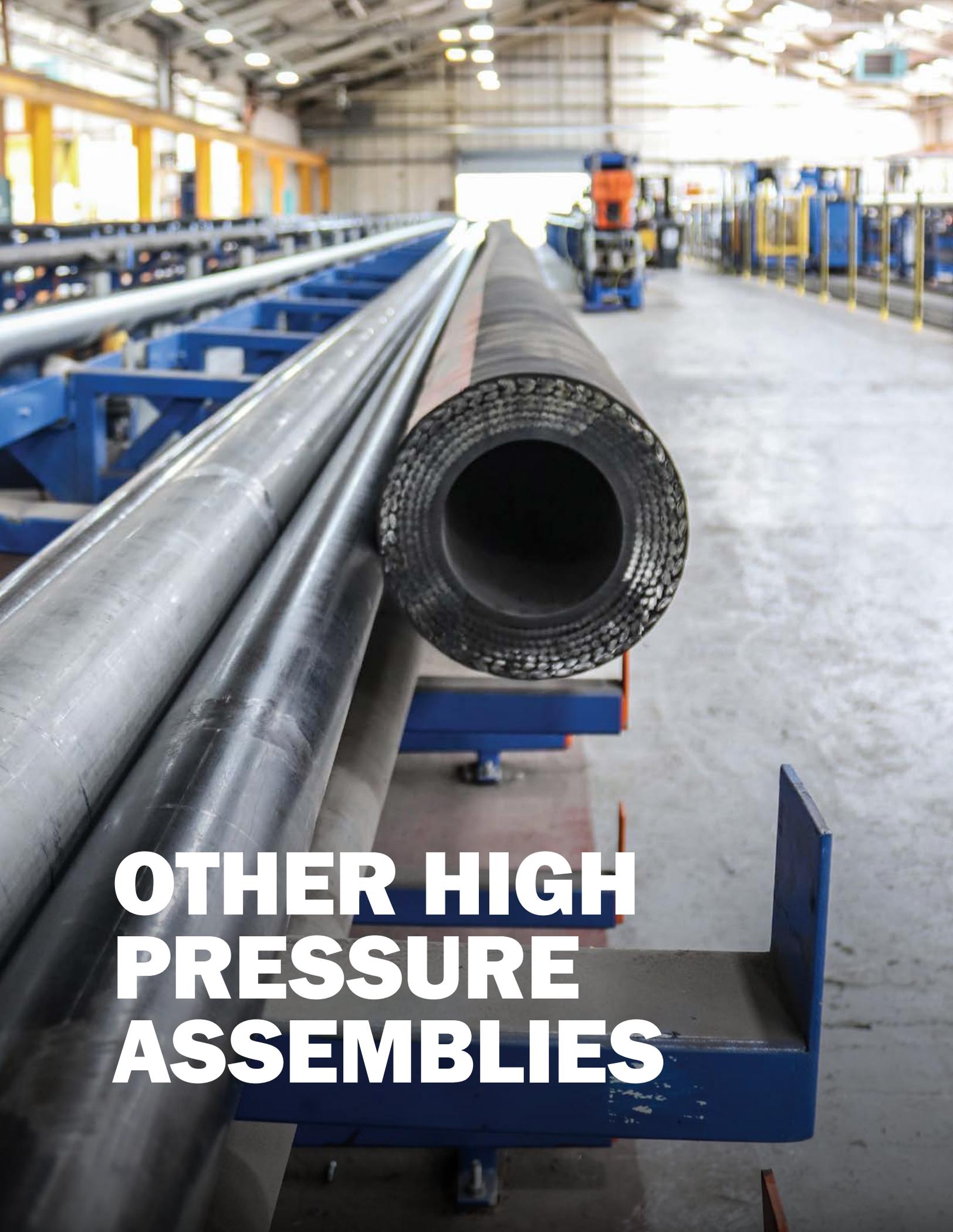
# BLACK GOLD

## MEGASHIELD BOP 10K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	Kg/m	ft.
2	51.0	3.00	76.2	689	10000	1551	22500	26.5	673	2.72	6.0	200

<b>APPLICATION</b>	This fire resistant hose is designed for the extreme, erratic pressures experienced within today's systems. It remains flexible through extremes of temperature for easier handling, and the abrasion resistant cover stands up to rough treatment. Black Gold MegaShield 10000 hoses have been designed, built, and tested to meet API 16D specifications and Lloyd's 1000/499 fire test - 5 minutes at 1300°F (700°C).
<b>CONSTRUCTION</b>	<p>Tube: Oil Resistant Nitrile</p> <p>Reinforcement: Multiple alternating layers of spiraled high tensile steel wire</p> <p>Cover: Fiberglass loaded, red, oil and abrasion resistant Chloroprene</p>
<b>TEMPERATURE</b>	(-40°C to +100°C) (-40°F to +212°F)
<b>SAFETY FACTOR</b>	2.25:1
<b>STANDARDS</b>	API 16D
<b>COUPLINGS</b>	Stainless and/or Carbon Steel with slip-on rubber fire sleeve coupling protectors
<b>PACKAGING</b>	Each assembly packaged in a heavy duty wooden crate for transport
<b>OPTIONS</b>	Accessories such as safety clamps, hose lift eyes, abrasion resistance wrap and stainless steel armor are available upon request. Test Certificates and Certificates of Conformance are shipped with every order. Full data books and 3rd party witness tests are available for an additional fee.



# **OTHER HIGH PRESSURE ASSEMBLIES**



# BLACK GOLD

## SLIM HOLE ROTARY (1500-5000)



in.	mm	in.	mm	bar	psi	in.	lb./ft.	ft.	
2	50.8	2.63	66.8	210	3000	25.0	2.95	50	3670-0655
2	50.8	2.63	66.8	210	3000	25.0	2.95	200	3670-0660
2 1/2	63.5	3.38	85.9	172.4	2500	30.0	3.60	50	3670-0656
3	76.2	3.90	99.1	137.9	2000	36.0	4.74	50	3670-0657
4	101.6	5.06	128.5	103.4	1500	48.0	7.22	50	3670-0701
1	25.4	1.53	38.9	344.7	5000	12.0	1.49	200	3670-0665
1 1/4	31.8	1.97	50.0	344.7	5000	16.5	2.67	200	3670-0670
1 1/2	38.1	2.26	57.4	344.7	5000	20.0	3.33	200	3670-0675
2	50.8	2.80	71.1	344.7	5000	25.0	4.94	50	3670-0679
2	50.8	2.80	71.1	344.7	5000	25.0	4.61	150	3670-0845
2	50.8	2.80	71.1	344.7	5000	25.0	4.94	200	3670-0680

**APPLICATION**

Rotary applications on work over rigs and slim hole or seismograph rigs designed to operate at maximum of 1,500 to 5,000 PSI rated working pressure depending on size. Applications on small or medium-size drilling rigs used for water well operations, water well core drill, blast or shot hole operations. For normal mud applications on small to medium-sized rigs where flexible connections are needed for pressure lines conveying mud.

**CONSTRUCTION**

Tube: Type C (Nitrile)

Reinforcement: Braided or spiral steel wire

Cover: Type A (Chloroprene) all sizes are perforated

**TEMPERATURE**

-40°F to +82°F (-40°C to +180°C) continuous service

**STANDARDS**

Tube: ARPM (Class A) High oil-resistance

Cover: Meets MSHA Flame-resistant

**DESIGN FACTOR**

2.5:1



## BLACK GOLD

### HYDRAULIC TENSIONER & COMPENSATOR HOSE ASSEMBLIES



in.	mm	bar	psi	bar	psi		in.	mm	ft.	m	lb./ft.	kg/m	
6	152.4	207	3000	310	4500	2.5	9.7	246.5	5.9	1.8	58.86	87.6	
8	203.2	207	3000	310	4500	2.5	11.73	298	5.9	1.8	68.54	102	

<b>APPLICATION</b>	Hydraulic Riser Tensioner Hose.
	Bore: Rough bore, full bore
<b>CONSTRUCTION</b>	Tube: Stripwound and HNBR
	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Polychloroprene rubber (PCR)
<b>TEMPERATURE</b>	-25°C to +100°C (-13°F to +212°F)
<b>STANDARDS</b>	According API 7K FSL1
<b>COUPLINGS</b>	Bonded
<b>MAXIMUM AVAILABLE LENGTH</b>	26 m



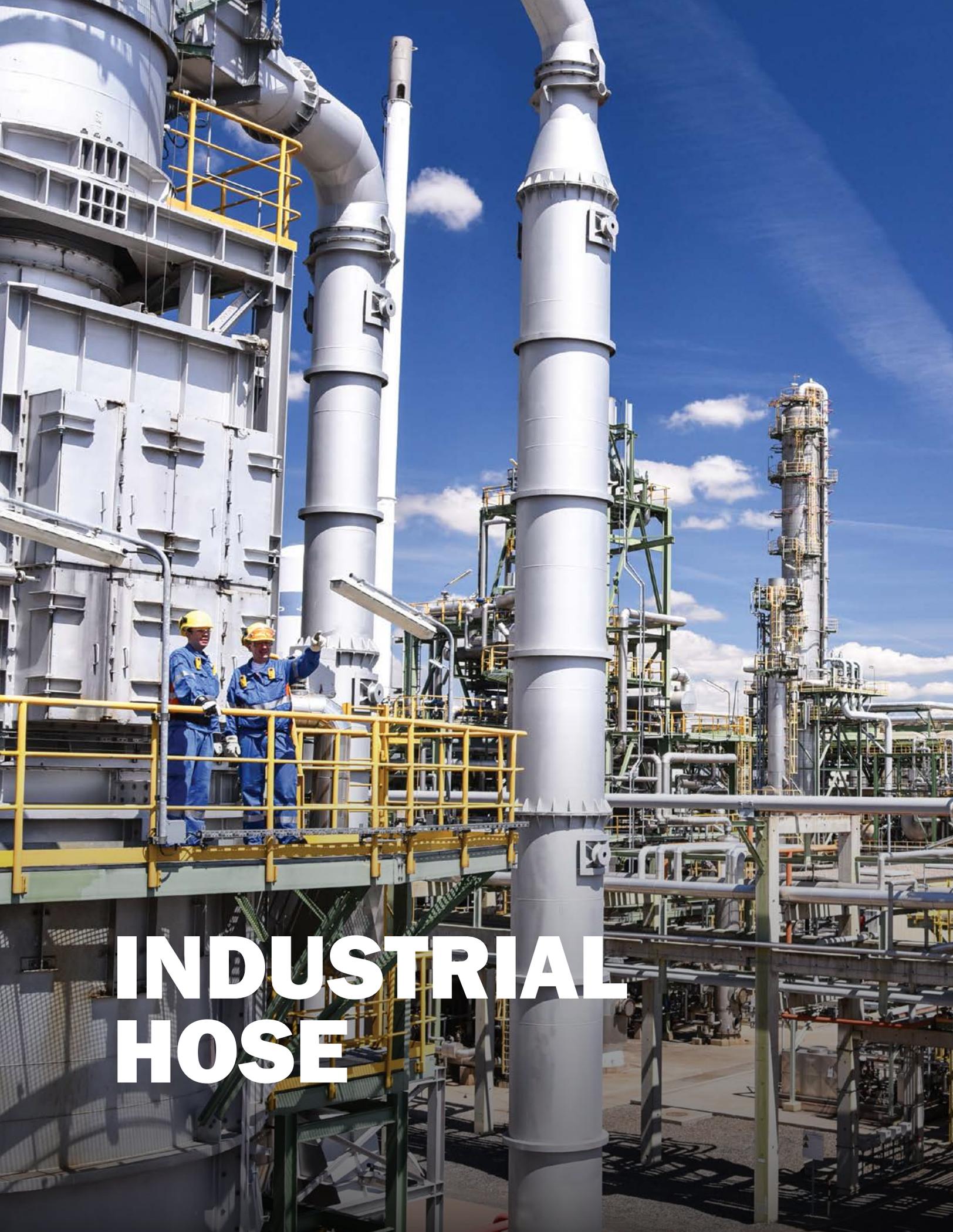
# BLACK GOLD

## FRAC HOSE ASSEMBLIES



in.	mm	bar	psi	bar	psi		in.	mm	ft.	m	lb./ft.	kg/m
2	50.8	1034	15000	1551	22500	2	4.65	118	3.28	1	27.1	27.1
2.5	63.5	1034	15000	1551	22500	2	5.12	130	3.28	1	30.9	30.9
3	76.2	1034	15000	1551	22500	2	6.30	160	3.61	1.1	49.7	49.7
5	127	1034	15000	1551	22500	2	9.37	238	5.25	1.6	108.6	108.6
6	152.4	1034	15000	1551	22500	2	10.39	264	5.25	1.6	123.5	123.5
7	177.8	827	12000	1241	18000	2	11.18	284	5.91	1.8	134.3	134.3

<b>APPLICATION</b>	Fracking operations.
	Bore: Smooth bore, full bore
<b>CONSTRUCTION</b>	Tube: HNBR
	Reinforcement: Multiple layers of textile fabric and steel cable
	Cover: Polychloroprene rubber (PCR)
<b>TEMPERATURE</b>	-25°C to +100°C (-13°F to +212°F)
<b>COUPLINGS</b>	Bonded
<b>MAXIMUM AVAILABLE LENGTH</b>	60 m



# INDUSTRIAL HOSE



# BLACK GOLD

## ABS BULK MATERIAL 300D



in.	mm	in.	mm	bar	psi	bar	psi	lb./ft.	kg/ft.	ft.	Pack	
3	76	3.98	101	20.7	300	82.7	1200	2.6	1.2	200	PLT-T	3129-1000
4	102	4.98	126	20.7	300	82.7	1200	3.4	1.5	200	PLT-T	3129-1001
5	127	6.14	156	20.7	300	82.7	1200	4.67	2.1	100	PLT-T	3129-1013
6	152	7.14	181	17.2	250	68.9	1000	5.51	2.5	100	PLT-T	3129-1014

**APPLICATION**

Transfer of abrasive materials such as barite and cement from a supply ship to an offshore drilling rig or platform; and for transfer applications on offshore or onshore drilling rigs or platforms. The natural rubber tube is specially compounded to conduct electricity and made with extra thickness to resist abrasion. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

**CONSTRUCTION**

Tube: Type D3 (Natural Rubber)

Reinforcement: Synthetic, high tensile textile

Cover: Type D (SBR)

**TEMPERATURE**

-40°C to +66°C (-40°F to +150°F)

**STANDARDS**

ABS type approval for 3, 4, 5" ID. Hose designed to withstand 6.0 ton tensile force.

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1

**CAUTION**

The hose tube is specially compounded to conduct electricity. No static wires are required - the helical wires in the SD version can be connected to the couplings for extra protection.



# BLACK GOLD

## ABS BULK MATERIAL 300SD



in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack	
3	51	4.23	107	20.7	300	82.7	1200	29	32	813	3.5	1.6	200	PLT-T	4691-0017
4	76	5.26	134	20.7	300	82.7	1200	29	42	1067	4.7	2.1	200	PLT-T	4691-0018
5	102	6.25	159	20.7	300	82.7	1200	29	51	1295	6	2.7	100	PLT-T	4691-0039
6	127	7.33	186	20.7	300	82.7	1200	29	60	1524	7.3	3.3	100	PLT-T	4691-0040

**APPLICATION**

Transfer of abrasive materials such as barite and cement from a supply ship to an offshore drilling rig or platform; and for transfer applications on offshore or onshore drilling rigs or platforms. The natural rubber tube is specially compounded to conduct electricity and made with extra thickness to resist abrasion. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

**CONSTRUCTION**

Tube: Type D3 (Natural Rubber)

Reinforcement: Synthetic, high tensile textile

Cover: Type D (SBR)

**TEMPERATURE**

-40°C to +66°C (-40°F to +150°F)

**STANDARDS**

ABS type approval for all sizes. Hose designed to withstand 6.0 ton tensile force.

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1

**CAUTION**

The hose tube is specially compounded to conduct electricity. No static wires are required - the helical wires in the SD version can be connected to the couplings for extra protection.



## BLACK GOLD

### ABS CHEMICAL PLUS XLPE 250SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
1	25.4	1.5	38.1	17.2	250	30.0	5.0	0.56	200	4695 - 0933
2	50.8	2.58	65.5	17.2	250	30.0	10.0	1.19	200	4695 - 0934
3	76.2	3.71	94.2	17.2	250	30.0	18.0	2.37	200	4695 - 0935
4	101.6	4.7	119.4	17.2	250	30.1	24.0	3.05	200	4695 - 0936

**APPLICATION**

Transfer of chemical products from supply ships to an offshore drilling rig or platform; and for transfer application on offshore or onshore drilling rigs or platforms. See Gates Chemical Resistance Tables for proper hose selection.

Tube: Type K (Gatran™ Modified Cross-Linked Polyethylene)

**CONSTRUCTION**

Reinforcement: Multiple plies, synthetic textiles, dual steel wire helix

Cover: Type P (EPDM)

Design Factor: 5:1

**TEMPERATURE**

-40°F to +250°F (-40°C to +121°C)

**STANDARDS**

ABS Approved

**COUPLINGS**

71 (Swage or Permanent Crimp)

**CAUTION**

The hose tube is specially compounded to conduct electricity. No static wires required



# BLACK GOLD

## ABS DRILL WATER 300D



in.	mm	in.	mm	bar	psi	bar	psi	lb./ft.	kg/ft.	ft.	Pack	
2	51	2.58	66	20.7	300	62	900	1	0.4	200	Pall - C1	3137-1280
3	76	3.64	92	20.7	300	62	900	1.7	0.8	200	Pall - C1	3137-1281
4	102	4.64	118	20.7	300	62	900	2.3	1	200	Pall - C1	3137-1282
5	127	5.78	147	20.7	300	62	900	3.5	1.6	200	Pall - C1	3137-1283
6	152	6.82	173	20.7	300	62	900	4.3	2	200	Pall - C1	3137-1284

**APPLICATION** Transfer of non-potable water or liquids not containing oils or chemicals from a supply ship to an offshore drilling rig or platform. Various water-based transfer applications for offshore or onshore work sites. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

**CONSTRUCTION** Tube: Type P (EPDM)

Reinforcement: Synthetic, high tensile textile

Cover: Type P (EPDM)

**TEMPERATURE** -40°C to +66°C (-40°F to +150°F)

**STANDARDS** ABS Type Approval for 2-5" ID

**COUPLINGS** Crimped or swaged couplings

**DESIGN FACTOR** 3:1



# BLACK GOLD

## ABS DRILL WATER 300SD



in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack	
2	51	2.55	65	20.7	300	82.7	1200	30	12	305	1.2	0.5	200	Pall - C1	4686-0028
3	76	3.74	95	20.7	300	82.7	1200	30	24	610	2.6	1.2	200	Pall - C1	4686-0029
4	102	4.85	123	20.7	300	82.7	1200	30	30	762	3.2	1.4	200	Pall - C1	4686-0030
5	127	6.14	156	20.7	300	82.7	1200	30	48	914	5.1	2	200	Pall - C1	4686-0027
6	152	7.4	188	20.7	300	82.7	1200	30	60	1016	7.8	3.5	200	Pall - C1	4686-0032

**APPLICATION** Transfer of non-potable water or liquids not containing oils or chemicals from a supply ship to an offshore drilling rig or platform. Various water-based transfer applications for offshore or onshore work sites. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

Tube: Type P (EPDM)

**CONSTRUCTION** Reinforcement: Synthetic, high tensile textile with steel wire helix

Cover: Type P (EPDM)

**TEMPERATURE** -40°C to +66°C (-40°F to +150°F)

**STANDARDS** ABS Type Approval for 2-5" ID

**COUPLINGS** Crimped or swaged couplings

**DESIGN FACTOR** 4:1



# BLACK GOLD

## ABS MUD & OIL 300D



in.	mm	in.	mm	bar	psi	bar	psi	Hg	lb./ft.	kg/ft.	ft.	Pack	
2	51	2.62	67	20.7	300	82.7	1200	10	1.1	0.5	200	Pall - C1	3150-0503
3	76	3.62	92	20.7	300	82.7	1200	10	1.9	0.9	200	Pall - C1	3150-0504
4	102	4.62	117	20.7	300	82.7	1200	10	2.4	1.1	200	Pall - C1	3150-0505
5	127	5.92	150	20.7	300	82.7	1200	10	4.4	2.0	100	Pall - C1	3150-0509
6	152	6.92	176	20.7	300	82.7	1200	10	5.3	2.4	100	Pall - C1	3150-0508

**APPLICATION**

Transfer of abrasive, water based and petroleum based drilling fluids from a supply ship to an offshore drilling rig or platform; and for transfer applications on offshore or onshore drilling rigs or platforms. The nitrile tube material is designed to provide chemical resistance to petroleum based fluids. It uses the same tube compound as Gates Black Gold Grade D & E Rotary & Vibrator hoses. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The polychloroprene cover material is designed to withstand the harshest offshore environment including abrasion, weathering (cracks) and extra chemical resistance for any petroleum products that may come in contact with the cover.

**CONSTRUCTION**

Tube: Type C (Nitrile)

Reinforcement: Synthetic, high tensile textile with static wire

Cover: Type A (Chloroprene)

**TEMPERATURE**

-40°C to +82°C (-40°F to +180°F)

**STANDARDS**

ABS type approval. Tube: ARPM (Class-A) - High Oil Resistance

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1



# BLACK GOLD

## ABS MUD & OIL 300SD



↔		⊘		⊙		🔥		⊙	⚙️		⚖️	📦		📏	
in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack	
2	51	2.72	69	20.7	300	82.7	1200	30	24	610	1.9	0.9	200	Pall - C1	4689-0001
3	76	3.85	98	20.7	300	82.7	1200	30	32	813	2.8	1.3	200	Pall - C1	4689-0005
4	102	4.89	124	20.7	300	82.7	1200	30	42	1067	4.5	2.0	200	Pall - C1	4689-0002
5	127	6.06	154	20.7	300	82.7	1200	30	51	1295	6.0	2.7	100	Pall - C1	4689-0006
6	152	7.07	180	20.7	300	82.7	1200	30	60	1524	8.6	3.9	100	Pall - C1	4689-0007

**APPLICATION**

Transfer of abrasive, water based and petroleum based drilling fluids from a supply ship to an offshore drilling rig or platform; and for transfer applications on offshore or onshore drilling rigs or platforms. The nitrile tube material is designed to provide chemical resistance to petroleum based fluids. It uses the same tube compound as Gates Black Gold Grade D & E Rotary & Vibrator hoses. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The polychloroprene cover material is designed to withstand the harshest offshore environment including abrasion, weathering (cracks) and extra chemical resistance for any petroleum products that may come in contact with the cover.

**CONSTRUCTION**

Tube: Type C (Nitrile)

Reinforcement: Synthetic, high tensile textile with steel wire helix

Cover: Type A (Chloroprene)

**TEMPERATURE**

-40°C to +82°C (-40°F to +180°F)

**STANDARDS**

ABS type approval. Tube: ARPM (Class-A) - High Oil Resistance

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1



# BLACK GOLD

## ABS POTABLE WATER 300D



in.	mm	in.	mm	bar	psi	bar	psi	lb./ft.	kg/ft.	ft.	Pack		
2	51	2.63	67	20.7	300	82.7	1200	1.3	0.6	200	PLT-T	3132-5010	
3	76	3.69	92	20.7	300	82.7	1200	1.8	0.8	200	PLT-T	3132-5011	
4	102	4.69	119	20.7	300	82.7	1200	2.5	1.1	200	PLT-T	3132-5012	

**APPLICATION**

Transfer of potable or non-potable water or liquids not containing oils or chemicals from a supply ship to an offshore drilling rig or platform. Various water-based transfer applications for offshore or onshore work sites. The food grade tube meets FDA requirements and will not impart taste to drinking water. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

**CONSTRUCTION**

Tube: Type D3 (Natural Rubber)

Reinforcement: Synthetic, high tensile textile

Cover: Type P (EPDM)

**TEMPERATURE**

-40°C to +66°C ( -40°F to +150°F)

**STANDARDS**

ABS type approval. Hose designed to withstand 6.0 ton tensile force. Food-grade tube meets FDA requirements.

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1

**CAUTION**

The hose tube is specially compounded to conduct electricity. No static wires are required - the helical wires in the SD version can be connected to the couplings for extra protection.



# BLACK GOLD

## ABS POTABLE WATER 300SD



↔		⊘		⊙		🔥		○	⤵	⚖️	📊		📦	📏	
in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack	
4	102	4.87	124	20.7	300	82.7	1200	29	28	711	3.7	1.7	200	PLT-T	3132-5013
5	127	6.06	154	20.7	300	82.7	1200	29	36	914	5.1	2.3	100	PLT-T	3132-5032
6	152	7.16	182	20.7	300	82.7	1200	29	40	1016	6.7	3	100	PLT-T	3132-5033

**APPLICATION**

Transfer of potable or non-potable water or liquids not containing oils or chemicals from a supply ship to an offshore drilling rig or platform. Various water-based transfer applications for offshore or onshore work sites. The food grade tube meets FDA requirements and will not impart taste to drinking water. The heavy duty reinforcement is designed to survive extreme oilfield application requirements. The specially compounded cover material is designed to withstand the harshest environment including abrasion and weathering.

**CONSTRUCTION**

Tube: Type D3 (Natural Rubber)  
 Reinforcement: Synthetic, high tensile textile  
 Cover: Type P (EPDM)

**TEMPERATURE**

-40°C to +66°C ( -40°F to +150°F)

**STANDARDS**

ABS type approval. Hose designed to withstand 6.0 ton tensile force.

**COUPLINGS**

Crimped or swaged couplings

**DESIGN FACTOR**

4:1

**CAUTION**

The hose tube is specially compounded to conduct electricity. No static wires are required - the helical wires in the SD version can be connected to the couplings for extra protection.



# BLACK GOLD

## BLENDER TRANSFER 150D



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
4	101.6	4.73	120.1	10.3	150	–	–	3.07	100	4110-0400
5	127.0	5.73	145.5	10.3	150	–	–	3.77	100	4110-0500
6	152.4	7.0	177.8	10.3	150	–	–	6.69	100	4110-0013

<b>APPLICATION</b>	Transfer of water, petroleum-based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracking.
<b>CONSTRUCTION</b>	Tube: Type C (Nitrile) Reinforcement: Multiple plies, synthetic textile Cover: Type A (Chloroprene) Design Factor: 4:1
<b>TEMPERATURE</b>	-40°F to +180°F (-40°C to +82°C)
<b>STANDARDS</b>	Tube: ARPM (Class A) High oil-resistance



# BLACK GOLD

## FUEL 300D



↔		⊘		⊘		🔥		⊘	⚙️		⚖️		📦		📏
in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack	
2	51	2.66	68	20.7	300	82.7	1200	10	14	356	1.8	0.8	200	PLT - T	4110-0701
2.5	64	3.16	80	20.7	300	82.7	1200	10	17	432	2.2	1	200	PLT - T	4110-0704
3	76	3.7	94	20.7	300	82.7	1200	10	21	533	2.5	1.1	200	PLT - T	4110-0707
4	102	4.7	119	20.7	300	82.7	1200	10	28	711	3.1	1.4	200	PLT - T	4110-0710
5	127	5.84	148	20.7	300	82.7	1200	10	35	889	4.5	2	200	PLT - T	4110-0713
6	152	6.84	174	20.7	300	82.7	1200	10	46	1168	4.9	2.2	200	PLT - T	4110-0710
6	152	6.84	174	20.7	300	82.7	1200	10	46	1168	4.9	2.2	200	PLT - T	4110-0713

<b>APPLICATION</b>	Built for the transfer of water, petroleum based fluids, dilute acids, chemicals and abrasive slurries. Ideal for onshore and offshore refined fuel transfer.
	Tube: Type C (Nitrile)
<b>CONSTRUCTION</b>	Reinforcement: Synthetic, high tensile textile with static wire
	Cover: Type A (Chloroprene)
<b>TEMPERATURE</b>	-40°C to +82°C (-40°F to +180°F)
<b>STANDARDS</b>	Tube: ARPM (Class-A) - High Oil Resistance
<b>COUPLINGS</b>	Interlocking ground or washer Joint, permanent swaged or crimped coupling. Internal Expansion Brass for 2" & 2.1/2".
<b>DESIGN FACTOR</b>	4:1



# BLACK GOLD

## FUEL 300SD



↔		⊘		⊙		🔥		⊙	↻		🏋️		📦	📏
in.	mm	in.	mm	bar	psi	bar	psi	Hg	in.	mm	lb./ft.	kg/ft.	ft.	Pack
2	51	2.78	65	20.7	300	82.7	1200	30	12	305	1.9	0.9	200	Pall - C1
3	76	3.86	95	20.7	300	82.7	1200	30	24	610	3.2	1.5	200	Pall - C1
4	102	4.87	123	20.7	300	82.7	1200	30	30	762	4.1	1.9	200	Pall - C1
6	152	7.07	188	20.7	300	82.7	1200	30	40	1016	7.6	3.4	200*	Pall - C1

\* 100 ft standard pack also available.

<b>APPLICATION</b>	Built for the transfer of water, petroleum based fluids, dilute acids, chemicals and abrasive slurries. Ideal for onshore and offshore refined fuel transfer.
	Tube: Type C (Nitrile)
<b>CONSTRUCTION</b>	Reinforcement: Synthetic, high tensile textile with steel wire helix
	Cover: Type A (Chloroprene)
<b>TEMPERATURE</b>	-40°C to +66°C (-40°F to +150°F)
<b>STANDARDS</b>	Tube: ARPM (Class-A) - High Oil Resistance
<b>COUPLINGS</b>	Interlocking ground or washer Joint, permanent swaged or crimped coupling
<b>DESIGN FACTOR</b>	4:1



# BLACK GOLD

## OILFIELD FRAC 400D



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
4	101.6	4.78	121.4	27.6	400	10.0	30.0	2.81	100	4110-0009
4	101.6	4.78	121.4	27.6	400	10.0	30.0	2.81	200	4110-0010

<b>APPLICATION</b>	Transfer of abrasive slurries used in oil and gas well stimulation and fracking, high-pressure water applications.
	Tube: Type C (Nitrile)
<b>CONSTRUCTION</b>	Reinforcement: Multiple plies, synthetic textile, static filament
	Cover: Type D (SBR)
	Design Factor: 4:1
<b>TEMPERATURE</b>	-40°F to +180°F (-40°C to +82°C)
	Gates proprietary design
<b>STANDARDS</b>	Tube: ARPM (Class A) Nitrile for high oil-resistance
	Cover: SBR for abrasion-resistance
<b>COUPLINGS</b>	71 (permanent crimp or swage) or 21 if pressure needed is 100 psi or below. Reference the Hose Coupling Section



# BLACK GOLD

## OILFIELD FRAC 400SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
4	101.6	4.78	121.4	27.6	400	30.0	38.0	3.92	100	4688-2222
4	101.6	4.78	121.4	27.6	400	30.0	38.0	3.92	200	4688-2223

<b>APPLICATION</b>	Heavy-duty, rugged hose that can serve applications such as transfer of hydraulic fracturing fluids, abrasive slurries and high-pressure water applications in oil and gas well stimulation and fracking. Can handle waste water that has gas or petroleum impurities.
<b>CONSTRUCTION</b>	<p>Tube: Type C (Nitrile)</p> <p>Reinforcement: Multiple plies, synthetic textiles, dual steel wire helix</p> <p>Cover: Type D (SBR)</p> <p>Design Factor: 4:1</p>
<b>TEMPERATURE</b>	-40°F to +180°F (-40°C to +82°C)
<b>STANDARDS</b>	<p>Gates proprietary design</p> <p>Tube: ARPM (Class A) Nitrile for high oil-resistance</p> <p>Cover: SBR for abrasion-resistance</p>
<b>COUPLINGS</b>	71 (permanent crimp or swage) or 21 if pressure needed is 100 psi or below. Reference the Hose Coupling Section



# BLACK GOLD

## OILFIELD SERVICE (100-150) SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
8	203.2	8.74	222.0	6.9	100	30.0	24.0	6.16	19	4688-2024
8	203.2	8.74	222.0	6.9	100	30.0	24.0	10.85	20	4688-2025
8	203.2	8.74	222.0	6.9	100	30.0	24.0	6.11	50	4688-2026
8	203.2	9.0	228.6	10.3	150	30.0	24.0	8.29	20	4688-2048
8	203.2	9.0	228.6	10.3	150	30.0	24.0	8.27	50	4688-2047

**APPLICATION** Heavy-duty suction and discharge applications handling crude oil, salt and fresh water, tank sediments, drilling mud and mild chemicals for oilfield applications such as frac tank connections.

**CAUTION** Service life of transfer can be extended by draining hoses after use

Tube: Type C (Nitrile)

**CONSTRUCTION** Reinforcement: Multiple plies, synthetic textile, dual steel wire helix

Cover: Type D (SBR/Nitrile)

Design Factor: 3:1

**TEMPERATURE** -40°F to +180°F (-40°C to +82°C) continuous service

**STANDARDS** Tube: ARPM (Class A) High oil-resistance

Cover: ARPM (Class C) Limited oil-resistance

**COUPLINGS** 7, 21, 49 or 61. Reference the Hose Coupling Section



# BLACK GOLD

## OILFIELD SERVICE 400D ULTRABRASION



↔		⊘		⊙		⊙	⤵	kg	📏	📏
in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
3	76.2	3.65	92.7	27.6	400	10.0	22.0	1.95	100	4110-1109
4	101.6	4.81	122.2	27.6	400	10.0	30.0	3.13	100	4110-1110
4	101.6	4.81	122.2	27.6	400	10.0	30.0	3.43	200	4110-0024

**APPLICATION**

Transfer of water, petroleum-based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracking. Transfer of refined fuels (commercial gasoline, diesel fuel) oils and other petroleum products. Transfer hoses are designed for intermittent contact with refined fuels and must be drained after use. Ideal for offshore/onshore dock hose transfer applications involving discharge service for diesel oils and other similar petroleum products where an extremely lightweight, flexible hose with a high rated working pressure and a small minimum bend radius is required. For Bio-Diesel and other alternative fuel applications, see Fuel Master XTreme. Petroleum transfer hoses may be used with all grades of Bio-Diesel only if the exposure is intermittent and the hose is drained between uses.

**CAUTION**

Do not convey fuels over +120°F (+49°C)

**CONSTRUCTION**

Tube: Type C (Nitrile)  
 Reinforcement: Multiple plies, synthetic textile, static filament  
 Cover: Type C4 (Carboxylated Nitrile)  
 Yellow Carboxylated Nitrile (Type C4) Wear Indicator Layer  
 Design Factor: 4:1

**TEMPERATURE**

-40°F to +180°F (-40°C to +82°C) continuous service

**STANDARDS**

Tube: ARPM (Class A) High oil-resistance

**COUPLINGS**

71 (Permanent Crimp or Swage). Reference the Hose Coupling Section



# BLACK GOLD

## OILFIELD SERVICE 400D



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
<b>CHLOROPRENE COVER</b>										
2	50.8	2.7	68.6	27.6	400	10.0	17.0	1.51	200	4110-0715
3	76.2	3.67	93.2	27.6	400	10.0	22.0	1.51	200	4110-0716
4	101.6	4.83	122.7	27.6	400	10.0	30.0	3.43	200	4110-0717
<b>MEGATUFF® UHMWPE COVER (ABRASION-RESISTANT)</b>										
3	76.2	3.67	93.2	27.6	400	10.0	22.0	1.51	100	4110-1107
3	76.2	3.67	93.2	27.6	400	10.0	22.0	1.51	200	4110-1101
4	101.6	4.84	122.9	27.6	400	10.0	30.0	3.17	100	4110-1108
4	101.6	4.84	122.9	27.6	400	10.0	30.0	3.1	200	4110-1102

**APPLICATION**

Transfer of water, petroleum-based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracking. Transfer of refined fuels (commercial gasoline, diesel fuel) oils and other petroleum products. Transfer hoses are designed for intermittent contact with refined fuels and must be drained after use. Ideal for offshore/onshore dock hose transfer applications involving discharge service for diesel oils and other similar petroleum products where an extremely lightweight, flexible hose with a high rated working pressure and a small minimum bend radius is required. For Bio-Diesel and other alternative fuel applications, see Fuel Master XTreme. Petroleum transfer hoses may be used with all grades of Bio-Diesel only if the exposure is intermittent and the hose is drained between uses.

**CONSTRUCTION**

Tube: Type C (Nitrile)  
 Reinforcement: Multiple plies, synthetic textile, static filament  
 Cover: Type A (Chloroprene).  
 Type L (Ultra High Molecular Weight Polyethylene) MegaTuff UHMWPE  
 Design Factor: 4:1

**TEMPERATURE**

-40°F to +180°F (-40°C to +82°C) continuous service

**STANDARDS**

Tube: ARPM (Class A) High oil-resistance

**COUPLINGS**

14, 15 or 71. Reference the Hose Coupling Section

**CAUTION**

Do not convey fuels over +120°F (+49°C)



# BLACK GOLD

## OILFIELD SERVICE 400SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
<b>CHLOROPRENE COVER</b>										
2	50.8	2.84	72.1	27.6	400	30.0	15.0	2.03	200	4688-0590
3	76.2	4.0	101.6	27.6	400	30.0	20.0	3.66	200	4688-0591
4	101.6	4.99	126.7	27.6	400	30.0	25.0	4.64	200	4688-0592
<b>ULTRABRASION CARBOXYLATED WITH YELLOW WEAR INDICATOR LAYER</b>										
4	101.6	5.1	129.5	27.6	400	30.0	25.0	5.16	100	4688-2243
<b>MEGATUFF UHMWPRE COVER (ABRASION-RESISTANT)</b>										
4	101.6	5.14	130.6	27.6	400	30.0	41.0	3.66	100	4688-05

**APPLICATION**

Transfer of water, petroleum-based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracking. Transfer of refined fuels (commercial gasoline, diesel fuel) oils and other petroleum products. Transfer hoses are designed for intermittent contact with refined fuels and must be drained after use. Ideal for offshore/onshore dock hose transfer applications involving discharge service for diesel oils and other similar petroleum products where an extremely lightweight, flexible hose with a high rated working pressure and a small minimum bend radius is required. For Bio-Diesel and other alternative fuel applications, see Fuel Master Xtreme. Petroleum transfer hoses may be used with all grades of Bio-Diesel only if the exposure is intermittent and the hose is drained between uses.

**CONSTRUCTION**

Tube: Type C (Nitrile)  
 Reinforcement: Multiple plies, synthetic textile, dual steel wire helix  
 Cover: Type A (Chloroprene)  
 Design Factor: 4:1

**TEMPERATURE**

-40°F to +180°F (-40°C to +82°C) continuous service

**STANDARDS**

Tube: ARPM (Class A) High oil-resistance

**COUPLINGS**

14, 15 or 71. Reference the Hose Coupling Section

**CAUTION**

Do not convey fuels over +120°F (+49°C)



# BLACK GOLD

## OILFIELD VACUUM (100-150) SD



↔		⊘		⊙		○	Ⓜ	⚖	📏	📦
in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
2	50.8	2.47	62.7	10.3	150	30.0	4.0	1.05	100	4688-1761
3	76.2	3.5	88.9	10.3	150	30.0	6.0	2.17	100	4688-1762
4	101.6	4.52	114.8	6.9	100	30.0	8.0	2.14	100	4688-1763

**APPLICATION**

An economical, lightweight hose designed for oilfield waste pit recovery, tank truck service, including oilfield vacuum truck, where full suction or rated working pressures are required. Ideal for applications handling crude oil, salt and fresh water, tank bottoms, drilling mud, dilute solutions of hydrochloric acids and sewage transfer. Reference Gates Chemical Resistance Table.

**CONSTRUCTION**

Tube: Type C (Nitrile)

Reinforcement: Multiple plies, synthetic textile, dual steel wire helix

Cover: Type D (SBR)

Design Factor: 3:1

**TEMPERATURE**

-40°F to +150°F (-40°C to +66°C) continuous service

**STANDARDS**

Tube: ARPM (Class B) Medium oil-resistance

**COUPLINGS**

6, 7 or 78. (for ambient temperatures only). Reference the Hose Coupling Section

**CAUTION**

Not recommended for refined petroleum products such as gasoline or diesel. Drain hose after use

## BLACK GOLD

### SUPER-VAC (60-150) SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
1	25.4	1.42	36.1	10.3	150	30.0	3.0	0.52	100	4688-0651
1 1/4	31.8	1.68	42.7	10.3	150	30.0	3.0	0.67	100	4688-0653
1 1/2	38.1	1.97	50	10.3	150	30.0	3.0	0.77	100	4688-0656
2	50.8	2.47	62.7	10.3	150	30.0	4.0	0.99	100	4688-0665
2	50.8	2.47	62.7	10.3	150	30.0	4.0	0.94	200	4688-0668
2 1/2	63.5	2.99	75.9	10.3	150	30.0	5.0	1.52	100	4688-0675
3	76.2	3.52	89.4	10.3	150	30.0	6.0	1.89	100	4688-0680
4	101.6	4.52	114.8	6.9	100	30.0	8.0	2.47	100	4688-0690
4	101.6	4.52	114.8	6.9	100	30.0	8.0	2.29	200	4688-2178
6	152.4	6.67	169.4	4.1	60	30.0	18.0	4.56	20	4688-0697
6	152.4	6.67	169.4	4.1	60	30.0	18.0	4.56	50	4688-0698
6	152.4	6.67	169.4	4.1	60	30.0	18.0	4.29	100	4688-1613
6	152.4	6.67	169.4	4.1	60	30.0	18.0	4.56	200	4688-0702

**APPLICATION**

Tank truck service, including oilfield vacuum truck, where full suction or rated working pressures are required. Ideal for applications handling crude oil, salt and fresh water, tank bottoms, drilling mud, dilute solutions of hydrochloric acid and sewage transfer. Reference Gates Chemical Resistance Table.

**CONSTRUCTION**

Tube: Type C (Nitrile)

Reinforcement: Multiple plies, synthetic textile, dual steel wire helix

Cover: Type D (SBR)

Design Factor: 4:1

**TEMPERATURE**

-40°F to +180°F (-29°C to +82°C) continuous service

**STANDARDS**

Tube: ARPM (Class B) Medium oil-resistance

**COUPLINGS**

6, 7 or 78 (for ambient temperatures only). Reference the Hose Coupling Section

**CAUTION**

Not recommended for refined petroleum products such as gasoline or diesel. Drain hose after use



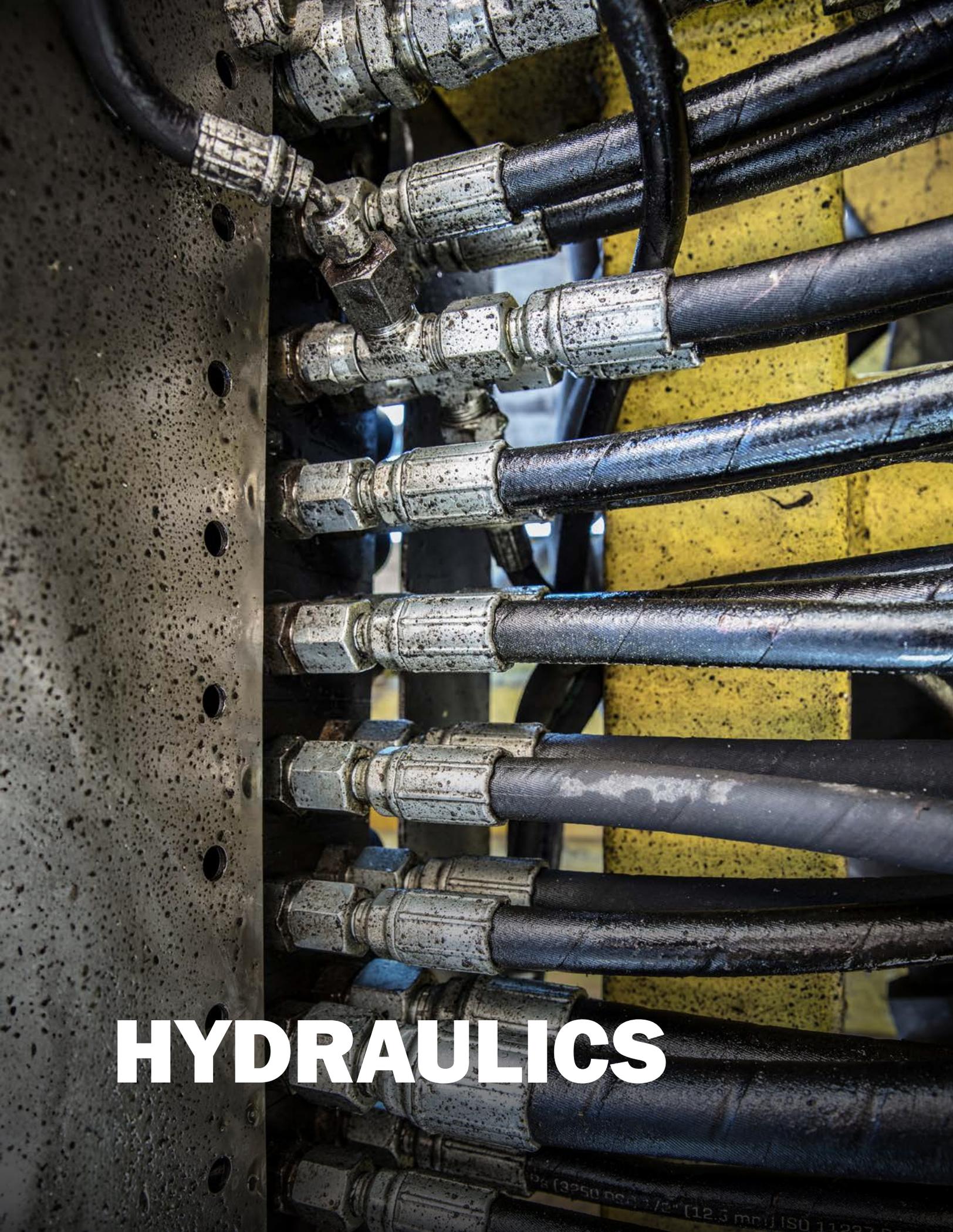
# BLACK GOLD

## SUPER-VAC MEGAFLEX (60-200) SD



in.	mm	in.	mm	bar	psi	bar	in.	lb./ft.	ft.	
1	25.4	1.37	34.8	10.3	150	30.0	1.0	0.42	100	4688-2364
1 1/4	31.8	1.63	41.4	10.3	150	30.0	1.3	0.54	100	4688-2365
1 1/2	38.1	1.88	47.8	10.3	150	30.0	1.5	0.63	100	4688-2366
2	50.8	2.39	60.7	10.3	150	30.0	2.0	0.8	100	4688-2104
2	50.8	2.39	60.7	10.3	150	30.0	2.0	1.0	200	4688-2105
2 1/2	63.5	2.96	75.2	10.3	150	30.0	2.5	1.28	100	4688-2367
3	76.2	3.47	88.1	10.3	150	30.0	3.0	1.33	100	4688-2107
3	76.2	3.47	88.1	10.3	150	30.0	3.0	1.77	200	4688-2164
4	101.6	4.52	114.8	6.9	100	30.0	4.0	2.29	100	4688-2108
4	101.6	4.52	114.8	13.8	200	30.0	4.0	2.12	100	4688-2109
4	101.6	4.52	114.8	13.8	200	30.0	4.0	2.29	200	4688-2165
6	152.4	6.59	167.4	4.1	60	30.0	12.0	3.89	20	4688-2385
6	152.4	6.59	167.4	4.1	60	30.0	12.0	3.89	50	4688-2368
6	152.4	6.59	167.4	4.1	60	30.0	12.0	3.89	100	4688-2386

<b>APPLICATION</b>	Tank truck service, including oilfield vacuum tank, where full suction is required. Ideal for applications handling crude oil, salt and fresh water, tank bottoms, drilling mud, dilute solutions of hydrochloric acid, and sewage transfer.
<b>CONSTRUCTION</b>	Tube: Type C (Nitrile) Reinforcement: Multiple plies, synthetic textile, dual steel wire helix Cover: Type D (SBR) Design Factor: 4:1
<b>TEMPERATURE</b>	-40°F to +180°F (-29°C to +82°C) continuous service
<b>STANDARDS</b>	Tube: ARPM (Class B) Medium oil-resistance
<b>COUPLINGS</b>	7, 49 or 73 (for ambient temperatures only). Reference the Hose Coupling Section
<b>CAUTION</b>	Not recommended for refined petroleum products such as gasoline or diesel. Drain hose after use



# HYDRAULICS



# BLACK GOLD

## POWERBRAID



													STD PACK	
in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft	ft.		
1/4	6	0.48	12	207	3000	827	12000	2.0	51	0.113	0.1	440	REEL	3670-0841
1/4	6	0.48	12	207	3000	827	12000	2.0	51	0.113	0.1	1400	REEL	3670-0836
3/8	10	0.63	16	207	3000	827	12000	2.5	64	0.184	0.1	330	REEL	3670-0838
3/8	10	0.63	16	207	3000	827	12000	2.5	64	0.184	0.1	1000	REEL	3670-0839
1/2	13	0.8	20	207	3000	827	12000	3.5	89	0.479	0.2	220	REEL	3670-0840
1/2	13	0.8	20	207	3000	827	12000	3.5	89	0.479	0.2	1000	REEL	3670-0837
5/8	16	0.93	24	131	1900	524	7600	4.0	102	0.309	0.1	220	REEL	3670-0833
3/4	19	1.09	28	105	1525	421	6100	4.8	122	0.392	0.2	220	REEL	3670-0832
1	25	1.4	36	88	1275	352	5100	6.0	152	0.575	0.3	165	REEL	3670-0831

<b>APPLICATION</b>	Flexible hydraulic connections between the Hydraulic Power Unit (HPU) and critical drilling equipment such as top drives, iron roughnecks and pipe handlers that demand extreme performance and durability.
<b>TEMPERATURE</b>	-40°F to +212°F (-40°C to +100°C)
<b>DESIGN FACTOR</b>	4:1
<b>STANDARDS</b>	Meets or exceeds pressure performance requirements of SAE 100R1, flame Resistance acceptance designation "MSHA 2G" and ABS. DNV-GL approval.
<b>COUPLINGS</b>	MegaCrimp Couplings (Section G) (See gates.com/ecrimp or Crimp Data Manual 35019)



# BLACK GOLD

## POWERBRAID +



													<b>STD PACK</b>	
in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft	ft.		
1/4	6	0.56	14	414	6000	1655	24000	2	51	0.21	0.1	550	REEL	3670-0801
3/8	10	0.7	18	345	5000	1379	20000	2.5	64	0.3	0.1	385	REEL	3670-0802
3/8	10	0.7	18	345	5000	1379	20000	2.5	64	0.3	0.1	1500	REEL	3670-0827
1/2	13	0.82	21	296	4300	1186	17200	3.5	89	0.35	0.2	330	REEL	3670-0803
1/2	13	0.82	21	296	4300	1186	17200	3.5	89	0.35	0.2	1000	REEL	3670-0828
5/8	16	0.95	24	262	3800	1048	15200	4	102	0.44	0.2	220	REEL	3670-0804
3/4	19	1.11	28	241	3500	965	14000	4.8	122	0.54	0.2	220	REEL	3670-0805
1	25	1.48	38	224	3250	896	13000	6	152	1.04	0.5	165	REEL	3670-0806
1 1/4	32	1.86	47	126	1825	503	7300	16.5	419	1.5	0.7	120	CTN	3670-0807
1 1/2	38	2.11	54	90	1300	359	5200	20	508	1.77	0.8	120	CTN	3670-0808
2	51	2.62	67	81	1175	324	4700	25	635	2.25	1	120	CTN	3670-0809

**APPLICATION** Flexible hydraulic connections between the Hydraulic Power Unit (HPU) and critical drilling equipment such as top drives, iron roughnecks and pipe handlers that demand extreme performance and durability.

**TEMPERATURE** -40°F to +212°F (-40°C to +100°C)

**DESIGN FACTOR** 4:1

**STANDARDS** Meets or exceeds pressure performance requirements of SAE 100R2, flame Resistance acceptance designation "MSHA 2G" and ABS. DNV-GL approval.

**COUPLINGS** MegaCrimp Couplings (Section G) (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)



# BLACK GOLD

## POWERSPIRAL 3K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft	ft.	STD	PACK	
1 1/4	32	1.85	47	207	3000	827	12000	8.2	208	1.92	0.9	100	CTN		3670-0830
1 1/4	32	1.85	47	207	3000	827	12000	8.2	208	1.92	0.9	200	REEL		3670-0835
1 1/2	38	2.105	53	207	3000	827	12000	10	254	2.08	0.9	50	CTN		3670-0834
1 1/2	38	2.105	53	207	3000	827	12000	10	254	2.08	0.9	200	REEL		3670-0829
2	51	2.63	67	207	3000	827	12000	25	635	2.86	1.3	200	CTN		3670-0820
2	51	2.63	67	207	3000	827	12000	25	635	2.86	1.3	200	REEL		3670-0821

<b>APPLICATION</b>	Flexible hydraulic connections between the Hydraulic Power Unit (HPU) and critical drilling equipment such as top drives, iron roughnecks and pipe handlers that demand extreme performance and durability.
<b>TEMPERATURE</b>	-40°F to +212°F (-40°C to +100°C)
<b>DESIGN FACTOR</b>	4:1
<b>STANDARDS</b>	Meets or exceeds pressure performance requirements of SAE 100R13, flame Resistance acceptance designation "MSHA 2G" and ABS. DNV-GL approval.
<b>COUPLINGS</b>	MegaCrimp Couplings (Section G) (See gates.com/ecrimp or Crimp Data Manual 35019)



# BLACK GOLD

## POWERSPIRAL 5K



in.	mm	in.	mm	bar	psi	bar	psi	in.	mm	lb./ft.	kg/ft	ft.	STD PACK	
3/4	19	1.24	32	345	5000	1379	20000	9.5	241	0.95	0.4	100	CTN	3670-0810
3/4	19	1.24	32	345	5000	1379	20000	9.5	241	0.95	0.4	200	REEL	3670-0811
1	25	1.53	39	345	5000	1379	20000	12	305	1.49	0.7	100	CTN	3670-0812
1	25	1.53	39	345	5000	1379	20000	12	305	1.49	0.7	200	REEL	3670-0813
1 1/4	32	1.85	50	345	5000	1379	20000	16.5	419	1.92	1.2	200	CTN	3670-0814
1 1/4	32	1.85	50	345	5000	1379	20000	16.5	419	1.92	1.2	200	REEL	3670-0815
1 1/2	38	2.26	57	345	5000	1379	20000	20	508	3.44	1.5	200	CTN	3670-0816
1 1/2	38	2.26	57	345	5000	1379	20000	20	508	3.44	1.5	200	REEL	3670-0817
2	51	2.8	71	345	5000	1379	20000	25	635	4.78	2.2	50	CTN	3670-0818
2	51	2.8	71	345	5000	1379	20000	25	635	4.78	2.2	200	REEL	3670-0819

<b>APPLICATION</b>	Flexible hydraulic connections between the Hydraulic Power Unit (HPU) and critical drilling equipment such as top drives, iron roughnecks and pipe handlers that demand extreme performance and durability.
<b>TEMPERATURE</b>	-40°F to +212°F (-40°C to +100°C) continuous service
<b>DESIGN FACTOR</b>	4:1
<b>STANDARDS</b>	Meets or exceeds pressure performance requirements of SAE 100R13, flame Resistance acceptance designation "MSHA 2G" and ABS. DNV-GL approval.
<b>COUPLINGS</b>	MegaCrimp Couplings (Section G) (See <a href="http://gates.com/ecrimp">gates.com/ecrimp</a> or Crimp Data Manual 35019)



# MXG 5K-XTP

## WITH XTRATUFF PLUS COVER



Built with Gates patented Xpiral™ woven spiral technology, MegaSYS™ MXG 5K hydraulic hose is lightweight, highly flexible and qualified to ONE MILLION impulse cycles. MXG 5K exceeds the performance of wire spiral constructions, but with the lower weight and flexibility driven by Gates materials science technology.

- Recommended For: Extremely high-pressure, high-impulse abrasive applications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.
- Exceeds performance criteria of ISO 18752 350DC, SAE 100R13, EN856 R13 and ISO 3862 R13; sizes -10, -12.
- MXG 5K is qualified to 1,000,000 impulse cycles (5000 psi working pressure, 133% test pressure, 250°F/121°C temperature) with GlobalSpiral™ and 600,000 impulse cycles with MegaCrimp, exceeding industry standards for longevity in the factory or field.
- Gates XtraTuff Plus cover comes standard on MXG, providing abrasion and ozone resistance.
- For use with GlobalSpiral Couplings [G20 Series] and MegaCrimp Couplings [G25 Series] (-6 and -8 Only).
- MXG 5K has a Minimum Bend Radius that is 50-60% tighter than the industry standard for longevity in the factory or field.
- Compact construction with excellent flexibility and lower force-to-bend for faster and more ergonomic installation (force-to-bend is 25% better, OD is 5% smaller and 20% lighter weight).
- The durable XtraTuff Plus cover delivers additional toughness with 25X abrasion resistance and 800+ hour ozone resistance.
- Meets Flame Resistant Acceptance Designation MSHA 2G.

	DN												COUPLING
			in.	mm	psi	MPa	psi	MPa	in.	mm	lb./ft.	kg/ft	
6 MXG 5K	10	3/8	0.71	18.0	5,076	35.0	20,300	140	2.5	65	0.29	43.8	GS
8 MXG 5K	12	1/2	0.85	21.6	5,076	35.0	20,300	140	3.5	90	0.41	61.0	GS
10 MXG 5K	16	5/8	1.03	26.1	5,076	35.0	20,300	140	3.9	100	0.59	88.3	GS
12 MXG 5K	19	3/4	1.16	29.6	5,076	35.0	20,300	140	4.7	120	0.72	107.0	GS
16 MXG 5K	25	1	1.52	38.7	5,076	35.0	20,300	140	5.9	150	1.23	183.0	GS

# MXG 4K-XTP

## WITH XTRATUFF PLUS COVER



Built with Gates patented Xpiral woven spiral technology, MegaSYS MXG 4K hose is lightweight, highly flexible, and qualified to ONE MILLION impulse cycles – it’s a drop in replacement for conventional spiral hoses. Using design expertise and processing technologies, we engineered a hydraulic hose that exceeds the performance of wire spiral constructions but with the lower weight and flexibility driven by Gates materials science technology.

- Recommended For: Very high-pressure, high-impulse abrasive applications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.
- For use with GlobalSpiral Couplings [G20 Series] and MegaCrimp Couplings [G25 Series] (-6 to -12 Only).
- Tested to industry-leading 1,000,000 impulse cycles with GlobalSpiral and 600,000 impulse cycles with MegaCrimp.
- XtraTuff Plus cover on MXG 4K hose comes standard and offers 25 times the abrasion resistance of standard covers, as well as superior ozone resistance.
- Compact construction with excellent flexibility and lower force-to-bend for faster and more ergonomic installation (force-to-bend is 40% better and OD is 9% smaller).
- 30% lighter weight for easier handling and installation.
- Exceeds all criteria of SAE 100R19 and ISO 18752 280DC; exceeds performance criteria of SAE 100R12, EN 856 R12, ISO 3862 R12 (Size -16 also exceeds EN 856 4SP performance requirements).
- MXG 4K-XTP passes SAE J1754 Class A cool-down requirements with GlobalSpiral couplings and meets Flame Resistant Acceptance Designation MSHA 2G.

	DN													COUPLING
		in.	mm	psi	MPa	psi	MPa	in.	mm	lb./ft.	kg/ft			
6 MXG	10	3/8	0.70	17.7	4,060	28.0	16,240	112	2.5	65	0.26	38.2	GS, G*	
8 MXG	12	1/2	0.82	20.7	4,060	28.0	16,240	112	3.5	90	0.35	51.9	GS, G*	
10 MXG	16	5/8	0.99	25.2	4,060	28.0	16,240	112	3.9	100	0.47	69.3	GS, G*	
12 MXG	19	3/4	1.14	28.9	4,060	28.0	16,240	112	4.7	120	0.64	94.7	GS, G*	
16 MXG	25	1	1.50	38.0	4,060	28.0	16,240	112	5.9	150	1.05	156.9	GS	

NOTE: \*MegaCrimp G couplings rated to 600,000 impulse cycles.



# MXT

## WIRE BRAID HOSE - SAE 100R16



MXT was designed to address our customers’ evolving application challenges. Using materials science and process innovation, combined with a patent-pending construction, Gates now offers a new hydraulic solution that is lighter, stronger and more flexible. Made with high-performance reinforcement and high quality, abrasion-resistant rubber, MXT is a universally applicable premium product offering performance above industry standards.

- Recommended For: High-pressure hydraulic oil lines.
- Compatible with Gates MegaCrimp couplings and Gates Crimpers offering a complete hydraulic system solution.
- Tested to Industry Leading 600,000 impulse cycles.
- More flexible with up to 40% lower force-to-bend for faster and more ergonomic installation.
- Multi-purpose solution meets SAE 100R16, ISO 11237 R16 and EN857 2SC performance standards.
- Meets SAE 100R16 and 100R17\* dimension and performance; meets SAE 100R2 and SAE 100R19\* performance; meets EN 853 2SN and EN 857 2SC performance (\*Applies only to sizes up to and including -12 for SAE 100R17 and -8 for SAE 100R19).
- Consolidate inventory with a universal, multi-use hose.
- Meets MSHA Flame Resistance.
- Patented in the United States.

ID	DN	Bore			Pressure		Burst Pressure		Bend Radius		Weight	
		in.	in.	mm	psi	MPa	psi	MPa	in.	mm	lb./ft.	kg/ft
4	6	1/4	0.550	14.0	6,000	41.4	24,000	165.5	1.5	38.1	0.20	30
5	8	5/16	0.610	15.2	5,500	38.0	22,000	151.7	1.8	44.5	0.22	33
6	10	3/8	0.675	17.1	4,800	33.1	19,200	132.4	2.5	64.0	0.26	39
8	12	1/2	0.795	20.2	4,000	27.6	16,000	110.3	2.8	70.0	0.31	46
10	16	5/8	0.945	24.0	3,625	25.0	14,500	100.0	3.9*	100.0*	0.38	57
12	19	3/4	1.08	27.4	3,125	21.5	12,500	86.2	4.8	121.0	0.47	70
16	25	1	1.380	35.1	2,400	16.5	9,600	66.2	6.0	152.0	0.67	100

**NOTE:** \*10MXT is able to meet MBR of 3 inches (76mm); 10MXT XTP is able to meet MBR of 3.9 inches (100mm).



# **POWER TRANSMISSION**

**BLACK GOLD**



**BLACK GOLD**  
POLY CHAIN GT™ CARBON™ SYNCHRONUS BELTS



PITCH	WIDTH	AVIALABLE LENGTHS
8mm	12mm	25.20 - 176.38 "
	21mm	25.20 - 176.38 "
	36mm	25.20 - 176.38 "
	62mm	25.20 - 176.38 "
14mm	20mm	39.13 - 173.62 "
	37mm	39.13 - 173.62 "
	68mm	39.13 - 173.62 "
	90mm	39.13 - 173.62 "
	125mm	39.13 - 173.62 "

**APPLICATION**

Poly Chain GT Carbon belt drives provide a maintenance free power transmission solution for compressor drives. Ideal for equipment in remote locations, such as wellhead compressors.

**BLACK GOLD**  
PREDATOR V-BELTS & POWERBAND



SIZE	TOP WIDTH	THICKNESS	AVAILABLE LENGTHS	POWERBAND STRAND
AP	1/2 "	5/16 "	33.0 - 93.0 "	-
BP	21/32 "	13/32 "	35.0 - 198.0 "	-
CP	7/8 "	17/32 "	89.0 - 257.0 "	Up to 12
3VP	3/8 "	21/64 "	45.0 - 140.0 "	Up to 10
5VP	5/8 "	35/64 "	60.0 - 355.0 "	Up to 16
8VP	1 "	7/8 "	100.0 - 600.0 "	Up to 12
SPBP	16mm	13mm	1260 - 8000mm	-
SPCP	22mm	18mm	2000 - 9000mm	-

**APPLICATION**

Heavy shock loads are a reality in oilfield equipment. Predator belts feature a double-layer fabric cover which reduces friction and heat buildup increasing belt life under shock load. The chloroprene compound rubber body is oil and heat resistant and outperforms other belts in harsh operating conditions.



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**GATES ENGINEERING & SERVICES NORTH AMERICA, INC.**

7603 PRAIRIE OAK DRIVE  
SUITE 190  
HOUSTON , TX 77086  
UNITED STATES

CUSTOMER EXPERIENCE  
281.602.4100  
CRP.SALES@GATES.COM

**GATES ENGINEERING & SERVICES UK LTD**

BASSINGTON DRIVE  
BASSINGTON INDUSTRIAL ESTATE  
CRAMLINGTON  
NORTHUMBERLAND, UK, NE23 8AS

**GATES ENGINEERING & SERVICES FZCO**

PLOT NO. S20110  
JEBEL ALI FREE ZONE (SOUTH)  
DUBAI  
61046  
UNITED ARAB EMIRATES

**GATES ENGINEERING & SERVICES CJSC**

EIDB6369  
BUILDING NO 6369  
DISTRICT NO 3136 DHAHRAN 34321  
KINGDOM OF SAUDI ARABIA

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