



ACID-CHEMICAL

AIR AND MULTI-PURPOSE

FOOD AND BEVERAGE

MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM TRANSFER

PRESSURE WASHER

STEAM

WATER

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE

**Oilfield Hose
Rotary/Vibrator Drilling –
Grade D or Motion Compensator
5,000 psi W.P. – 10,000 Test – 12,500 Minimum Burst**

Black Gold®
(Specification 4774PE)

Nom. I.D. (In.)	Nom. O.D. (In.)	Min. Bend Radius (In.)	Wt. per Ft. of hose (Lbs.)	Coupling Threads API (T) (In.)	Swage Coupling Wts. Each (Lbs.)	Max. length of hose (Ft.)	Max. W.P. (psi)
2 1/2	4.14	36	9.8	3"	33	90	5,000
3	4.61	48	10.8	4"	44.5	90	5,000
3 1/2	5.25	54	12.8	4"	47	90	5,000
4	5.61	54	13.4	5"	55	90	5,000
5	7.41	60	30.8	5"	160.5	90	5,000

RECOMMENDED FOR: Flexible connection between standpipe and swivel (Rotary Drilling) or between pump and standpipe (Rotary Vibrator) for pumping mud at extra high pressure in oil drilling and exploration work. Meets the high demands of directional drilling and down linking with negative pressure pulses and elevated temperatures. Motion Compensator hose is used for stabilization of rotary drilling and pumping equipment against vertical wave action on offshore drill platforms. The Motion Compensator hose is not recommended for phosphate ester fluids.


TEMPERATURE: -4°F to +180°F (-20°C to +82°C) continuous service.

CONSTRUCTION: Tube: Type C₃ (Modified Nitrile). 3/16" thick. Black. Specially compounded for handling abrasive, corrosive and oily drilling mud.

Reinforcement: Multiple layers of polyester cord over tube. Multiple layers of "close wound", high tensile steel cables, with one layer of adhesion fabric placed between cable layers. Multiple layers of reinforcement under cover.

Cover: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather.

COUPLINGS: Swaged – API male line pipe threads standard. Gates recommends butt-welded couplings. Couplings can be supplied with your choice of end fittings. Please contact your nearest Gates E&S facility for more detailed information. (Refer to Gates E&S list at the beginning of this catalog).
NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS NOT RECOMMENDED.

FITTINGS: Hammer Unions Hubs Flanges

 Female Sub Male Sub./Nut

PACKAGING: Each length packaged in a heavy-duty wooden crate.

BRANDING: One continuous longitudinal yellow transfer label (with serial number and code date embossed).
Example: "GATES® BLACK GOLD® ROTARY VIBRATOR 3 INCH MAX WP 5000 PSI API SPEC 7K TESTED TO 10000 PSI GRADE D FSL 1 TEMP RANGE 1 ISO 14693 LICENSE 7K-0003 MADE IN U.S.A."

CERTIFICATION/STANDARDS: API (American Petroleum Institute) Spec 7K.
Coupling/Mat'l Traceability (Additional Cost)
ISO 14693
Letter of Conformance (Additional Cost)
Test Certificates
3rd Party Witness Test (Additional Cost)
ABS/CDS Type Approval

OPTIONAL: Accessories such as SAFETY CLAMPS, HOSE LIFT EYE & COLLAR CLAMP and STAINLESS STEEL ARMOR are available.





Oilfield Hose
Rotary/Vibrator Drilling – Grade E
7,500 psi W.P. – 15,000 Test – 18,750 Minimum Burst

Black Gold®
 (Specification 4773PE)

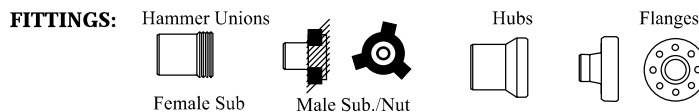
Nom. I.D. (In.)	Nom. O.D. (In.)	Min. Bend Radius (In.)	Wt. per Ft. of hose (Lbs.)	Swage Coupling Wts. Each (Lbs.)	Max. length of hose (Ft.)	Max. W.P. (psi)
2 1/2	5.16	48	20.2	62	90	7,500
3	5.66	48	22.6	70	90	7,500
3 1/2	6.04	54	24.1	75	90	7,500
4	6.48	60	25.8	90	90	7,500

RECOMMENDED FOR: Flexible connection between standpipe and swivel (Rotary Drilling) or between pump and standpipe (Rotary Vibrator) for pumping mud at extra high pressure in oil drilling and exploration work. Meets the high demands of directional drilling and down linking with negative pressure pulses and elevated temperatures.

TEMPERATURE: -4°F to +180°F (-20°C to +82°C) continuous service.

CONSTRUCTION: **Tube:** Type C₃ (Modified Nitrile). 3/16" thick. Black. Specially compounded for handling abrasive, corrosive and oily drilling mud.
Reinforcement: Multiple layers of polyester cord over tube. Multiple layers of "close wound", high tensile plated steel cables, with one layer of adhesion fabric placed between cable layers. Multiple layers of reinforcement under cover.
Cover: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather.

COUPLINGS: Swaged – API 7K hose assemblies with working pressures exceeding 5,000 psi, the end fitting will be butt welded onto the hose coupling. Couplings can be supplied with your choice of end fitting. Please contact your nearest Gates E&S facility for more detailed information. (Refer to Gates E&S list at the beginning of this catalog).
 NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS NOT RECOMMENDED.



PACKAGING: Each length packaged in a heavy-duty wooden crate.

BRANDING: One continuous longitudinal yellow transfer label (with serial number and code date embossed).
 Example: "GATES® BLACK GOLD® ROTARY VIBRATOR 3INCH MAX WP 7500 PSI API SPEC 7K TESTED TO 15000 PSI GRADE E FSL 1 TEMP RANGE 1 ISO 14693 LICENSE 7K-0003 MADE IN U.S.A."

CERTIFICATION/STANDARDS: API (American Petroleum Institute) Spec 7K.
 Coupling/Mat'l Traceability (Additional Cost)
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OPTIONAL: Accessories such as SAFETY CLAMPS, HOSE LIFT EYE & COLLAR CLAMP and STAINLESS STEEL ARMOR are available.

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