



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 UltraBrasion 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.
- FITTINGS:


Hammer Unions




Female Sub




Male Sub./Nut




Hubs



Flanges



Flanges



Flanges
- 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)
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.

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

