



Black Gold Hoses





**Gates Black Gold®
Rotary Vibrator/Drilling Hose
5,000 psi W.P. - 10,000 psi Test Grade D
12,500 Minimum Burst**

Certification/Standards

API Spec 7K
ISO 14693
ABS/CDS Type Approval
DNV Type Approval: NV D-3352
Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Cplg.Threads API (In.)	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	4.14	36	9.8	3	33	90	7361-0825	4774PE
3	4.61	48	10.8	4	44.5	90	7361-0830	4774PE
3-1/2	5.25	54	12.8	4	47	90	7361-0835	4774PE
4	5.61	54	13.4	5	55	90	7361-0840	4774PE

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. This hose can also be used as a Motion Compensator hose 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).

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

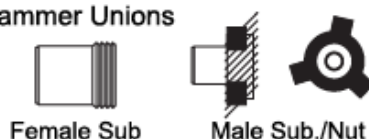
REINFORCEMENT: Multiple layers of polyester cord over tube. Multiple layers of "close wound", high tensile steel cables, with one layer of adhesion fabric placed between cable layers. Multiple layers of reinforcement under cover.

COVER: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – API male line pipe threads standard. Gates recommends butt-welded couplings. Couplings can be supplied with your choice of end fitting (see "Most Commonly used Welded-On Fittings" section for more detailed information).

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

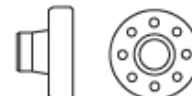
FITTINGS: Hammer Unions



Hubs



Flanges





Gates Black Gold®
Rotary Vibrator/Drilling Hose
7,500 psi W.P. - 15,000 psi Test Grade E
18,750 Minimum Burst

Certification/Standards

API Spec 7K
 ISO 14693
 ABS/CDS Type Approval
 DNV Type Approval: NV D-3352
 Test Certificates (Included)
 Coupling/Material Traceability (Available)
 3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	5.16	48	20.2	62	90	7361-0835	4773PE
3	5.66	48	22.6	70	90	7361-0840	4773PE
3-1/2	6.04	54	24.1	75	90	7361-0845	4773PE
4	6.48	60	25.8	90	90	7361-0850	4773PE

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).

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

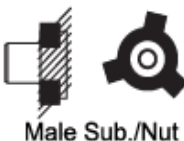
REINFORCEMENT: Multiple layers of polyester cord over tube. Multiple layers of "close wound", high tensile plated steel cables with one layer of adhesion fabric placed between cable layers. Multiple layers of reinforcement under cover.

COVER: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

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 (see "Most Commonly used Welded-On Fittings" section for more detailed information).

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Hubs



Flanges





**Gates Black Gold®
Cementing Hose
(With Nitrile Tube)
5,000 psi W.P. - 10,000 psi Test
12,500 Minimum Burst**

Certification/Standards

API Spec 7K
ISO 14693
ABS/CDS Type Approval
Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Crimped Cplgs. Wt. (Lbs.) 1502 Hammer Union Assy.		Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2	2.80	36	4.64	Female Sub/Seal 7341-1569 (7.8 Lbs.)	Male Sub/Nut 7341-1571 (17.7 Lbs.)	200	7361-6550	4651ZL

RECOMMENDED FOR: Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure.

TEMPERATURE: -4°F to +250°F (-20°C to +121°C) continuous service.

TUBE: Type C (Nitrile). Black. Specially compounded for handling abrasion and corrosion.

REINFORCEMENT: Multiple layers of spiraled high tensile steel wire.

COVER: Type A (Neoprene). Black. Oil and abrasion resistant. One continuous longitudinal yellow transfer label (with serial number and code date).

COUPLINGS: Crimped – Gates GSH with integral 2" Fig. 1502 Hammer Union coupling. Couplings can be supplied with your choice of end fittings. Please contact your nearest Roughneck Distributor for more detailed information.

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED

FITTINGS: GSH with Integral 2" Fig. 1502 Hammer Unions. Reference Industrial Hose Product/Price Catalog 39496-000.





**Gates Black Gold®
Cementing Hose
(With Nitrile Tube)
5,000 psi W.P. - 10,000 psi Test
12,500 Minimum Burst**

Certification/Standards

API Spec 7K
ISO 14693
ABS/CDS Type Approval
DNV Type Approval: NV D-3372
Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Cplg. Threads API (In.)	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	4.14	36	9.8	3	33	90	7361-0825	4774PE
3	4.61	48	10.8	4	44.5	90	7361-0830	4774PE
3-1/2	5.25	54	12.8	4	47	90	7361-0835	4774PE
4	5.61	54	13.4	5	55	90	7361-0840	4774PE

RECOMMENDED FOR: Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure.

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

TUBE: Type C₃ (Modified Nitrile). 3/16" thick. Black. Specially compounded for handling abrasion and corrosion.

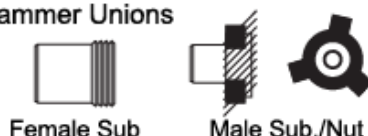
REINFORCEMENT: Multiple layers of "close wound", high tensile plated steel cables with one layer of adhesion fabric placed between cable layers. Multiple layers of reinforcement under cover.

COVER: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – API male line pipe threads standard. Gates recommends butt-welded couplings. Couplings can be supplied with your choice of end fitting (see "Most Commonly used Welded-On Fittings" section for more detailed information).

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Hubs



Flanges





**Gates Black Gold®
Cementing Hose
(With Nitrile Tube)
10,000 psi W.P. - 15,000 psi Test
22,500 Minimum Burst**

Certification/Standards

API Spec 7K
ISO 14693
ABS/CDS Type Approval
Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Crimped Cplgs. Wt. (Lbs.) 1502 Hammer Union Assy.		Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2	2.80	48	4.66	Female Sub/Seal 7341-1569 (7.8 Lbs.)	Male Sub/Nut 7341-1571 (17.7 Lbs.)	200	7361-6550	4651ZA

RECOMMENDED FOR: Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure.

TEMPERATURE: -4°F to +250°F (-20°C to +121°C) continuous service.

TUBE: Type C (Nitrile). Black. Specially compounded for handling abrasion and corrosion.

REINFORCEMENT: Multiple layers of spiraled high tensile steel wire.

COVER: Type L (MegaTuff®). Black. Oil and abrasion resistant. One continuous longitudinal yellow transfer label (with serial number and code date).

COUPLINGS: Crimped – Gates GSH with integral 2" Fig. 1502 Hammer Union coupling. Couplings can be supplied with your choice of end fittings. Please contact your nearest Roughneck Distributor for more detailed information.

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED

FITTINGS: GSH with Integral 2" Fig. 1502 Hammer Unions. Reference Industrial Hose Product/ Price Catalog 39496-000.





**Gates Black Gold®
Cementing Hose
(With Fluoroelastomer Tube)
15,000 psi W.P. - 22,500 psi Test
33,750 Minimum Burst**

Certification/Standards

Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	5.66	60	29.4	130	90	7361-0840	4758L
3	6.16	60	33.2	172	90	7361-0845	4758L

RECOMMENDED FOR: Used as a flexible connection between the cementing pump manifold and cementing head for conveyance of cement slurries at high pressure.

TEMPERATURE: -4°F to +212°F (-20°C to +100°C).

TUBE: Type V (Fluoroelastomer). Black. Excellent resistance to abrasion and corrosion.

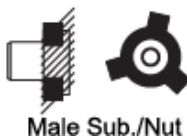
REINFORCEMENT: Multiple layers of “close wound”, high tensile plated steel cables to withstand flexing and high pressures encountered in offshore operations. Multiple layers of fabric reinforcement under cover.

COVER: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Special Built-In supplied with your choice of end fittings, (see “Most Commonly used Welded-On Fittings” section for more detailed information).

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Hubs



Flanges





**Gates Black Gold®
Sour Service Hose
5,000 psi W.P. - 10,000 psi Test
12,500 Minimum Burst**

Certification/Standards

Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)
NACE (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Cplg. Threads API (In.)	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	4.15	36	10.1	3	33	90	7361-0825	4774F
3	4.61	48	11.1	4	44.5	90	7361-0830	4774F
3-1/2	5.25	54	13.2	4	47	90	7361-0835	4774F
4	5.58	54	13.9	5	55	90	7361-0840	4774F

RECOMMENDED FOR: Flexible connection between the standpipe and swivel (rotary drilling) or between pump and standpipe (rotary vibrator).

TEMPERATURE: -4°F to +200°F (-20°C to +93°C).

TUBE: Type V (Fluoroelastomer). Black. Resists abrasion, corrosion, oil, and up to 20% H₂S.

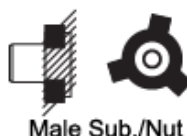
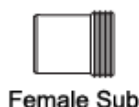
NOTE: Hose is manufactured to handle up to 20% Hydrogen Sulfide (H₂S) for 1 hour at 93°C (200°F) at rated working pressure.

REINFORCEMENT: 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. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – meets NACE MR0175. API male line pipe threads standard. Gates recommends butt-welded couplings. Couplings can be supplied with your choice of end fitting (see “Most Commonly used Welded-On Fittings” section for more detailed information). **NOTE:** FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

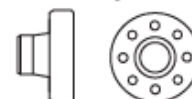
FITTINGS: Hammer Unions



Hubs



Flanges





**Gates Black Gold®
Sour Service Hose
7,500 psi W.P. - 15,000 psi Test
18,750 Minimum Burst**

Certification/Standards

Test Certificates (Included)
Coupling/Material Traceability (Available)
3rd Party Witness Test (Additional Cost)
NACE (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	5.14	48	20.6	62	90	7361-0835	4773LE
3	5.64	48	23.0	70	90	7361-0840	4773LE
3-1/2	6.05	54	24.6	75	90	7361-0845	4773LE
4	6.40	60	26.4	90	90	7361-0850	4773LE

RECOMMENDED FOR: Flexible connection between standpipe and swivel (rotary drilling) or between pump and standpipe (rotary vibrator).

TEMPERATURE: -4°F to +200°F (-20°C to +93°C).

TUBE: Type V (Fluoroelastomer). Black. Resists abrasion, corrosion, oil, and up to 20% H₂S.

NOTE: Hose is manufactured to handle up to 20% Hydrogen Sulfide (H₂S) for 1 hour at 93°C (200°F) at rated working pressure.

REINFORCEMENT: 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. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – meets NACE MR0175. 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 (see “Most Commonly used Welded-On Fittings” section for more detailed information). **NOTE:** FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Female Sub



Male Sub./Nut

Hubs



Flanges





Gates Black Gold®
Choke and Kill Hose
5,000 psi W.P. - 10,000 psi Test
15,000 Minimum Burst

Certification/Standards

Test Certificates (Included)
 Coupling/Material Traceability (Available)
 3rd Party Witness Test (Additional Cost)
 NACE (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	4.15	36	10.1	33	90	7361-0825	4774F
3	4.61	48	11.1	44.5	90	7361-0830	4774F
3-1/2	5.25	54	13.2	47	90	7361-0835	4774F
4	6.40	60	26.4	90	90	7361-0850	4773LE

RECOMMENDED FOR: Flexible hose between the riser and manifold or around the ball joint of offshore drilling rigs.

TEMPERATURE: -4°F to +200°F (-20°C to +93°C).

TUBE: Type V (Fluoroelastomer). Black. Resists abrasion, corrosion, oil, and up to 20% H₂S.

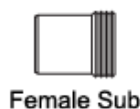
NOTE: Hose is manufactured to handle up to 20% Hydrogen Sulfide (H₂S) for 1 hour at 93°C (200°F) at rated working pressure.

REINFORCEMENT: 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. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – meets NACE MR0175. Per API – flexible Choke and Kill hose end fittings will be butt-welded and the pressure rating shall be equivalent to the pressure rating of the flexible hose. Couplings can be supplied with your choice of end fitting (see “Most Commonly used Welded-On Fittings” section for more detailed information). **NOTE:** FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Female Sub



Male Sub./Nut

Hubs



Flanges





Gates Black Gold®
Choke and Kill Hose
10,000 psi W.P. - 15,000 psi Test
22,500 Minimum Burst

Certification/Standards Lloyds
 Fire Test OD/1000/499
 Test Certificates (Included)
 Coupling/Material Traceability (Available)
 3rd Party Witness Test (Additional Cost)
 NACE (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	5.14	48	20.6	60	90	7361-0835	4773LE
3	5.64	48	23.0	70	90	7361-0840	4773LE
3-1/2	6.05	54	24.6	75	90	7361-0845	4773LE

RECOMMENDED FOR: Flexible hose between the riser and manifold or around the ball joint of offshore drilling rigs.

TEMPERATURE: -4°F to +200°F (-20°C to +93°C).

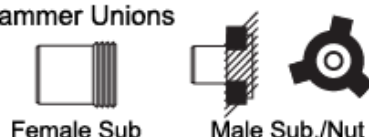
TUBE: Type V (Fluoroelastomer). Black. Resists abrasion, corrosion, oil, and up to 20% H₂S. **NOTE:** Hose is manufactured to handle up to 20% Hydrogen Sulfide (H₂S) for 1 hour at 93°C (200°F) at rated working pressure.

REINFORCEMENT: 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. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – meets NACE MR0175. Per API – **flexible** Choke and Kill hose end fittings will be butt-welded and the pressure rating shall be equivalent to the pressure of the **flexible** hose. Couplings can be supplied with your choice of end fittings, (see “Most Commonly used Welded-On Fittings” section for more detailed information). **NOTE:** FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

FITTINGS: Hammer Unions



Hubs



Flanges





**Gates Black Gold®
Super Choke and Kill Hose**
15,000 psi W.P. - 22,500 psi Test
33,750 Minimum Burst

Certification/Standards Test
Certificates (Included)
Coupling/Mat'l Traceability (Available)
3rd Party Witness Test (Additional Cost)
NACE (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
2-1/2	5.66	60	29.4	130	90	7361-0840	4758L
3	6.16	60	33.2	172	90	7361-0845	4758L

RECOMMENDED FOR: Flexible hose between the riser and manifold or around the ball joint of offshore drilling rigs.

TEMPERATURE: -4°F to +200°F (-20°C to +93°C).

TUBE: Type V (Fluoroelastomer). Black. Resists abrasion, corrosion, oil, and up to 20% H₂S.

NOTE: Hose is manufactured to handle up to 20% Hydrogen Sulfide (H₂S) for 1 hour at 93°C (200°F) at rated working pressure.

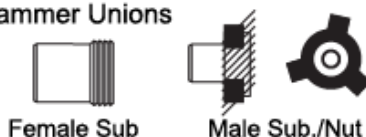
REINFORCEMENT: Multiple layers of "close wound", high tensile plated steel cables to withstand **flexing** and high pressures encountered in offshore operations. Multiple layers of fabric reinforcement under cover.

COVER: Type C₄ (Modified Nitrile). Black. Specially compounded UltraBration cover is resistant to abrasion, corrosion, cutting, gouging, oil and weather. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Special Built-In – meets NACE MR0175. Per API – **flexible** Choke and Kill hose end fittings will be butt-welded and the pressure rating shall be equivalent to the pressure rating of the **flexible** hose. Couplings can be supplied with your choice of end fittings, (see "Most Commonly used Welded-On Fittings" section for more detailed information).

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

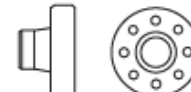
FITTINGS: Hammer Unions



Hubs



Flanges





Gates Black Gold®

Decoking Hose

5,000 psi W.P. - 10,000 psi Test

12,500 Minimum Burst

7,500 psi W.P. - 15,000 psi Test

18,750 Minimum Burst

Certification/Standards

Test Certificates (Included)

Coupling/Material Traceability (Available)

3rd Party Witness Test (Additional Cost)

(Provided by Gates Internally Certified Fabricators – Refer to page 46 for a listing)

Nom. I.D.	Nom. O.D.	Min. Bend Radius (In.)	Wt. Per Ft.	Swage Cplg. Wts. Ea. (Lbs.)	Max. Lgth. of Hose (Ft.)	Safety Clamp & Chain Part No.	Spec.
3	4.61	48	10.8	44.5	90	7361-0830	4774PE (Grade D)
3	5.66	48	22.6	70	90	7361-0840	4773PE (Grade E)
3-1/2	5.25	54	12.8	47	90	7361-0835	4774PE (Grade D)
3-1/2	6.04	54	24.1	75	90	7361-0845	4773PE (Grade E)
4	5.61	54	13.4	55	90	7361-0840	4774PE (Grade D)
4	6.48	60	25.8	90	90	7361-0850	4773PE (Grade E)

RECOMMENDED FOR: Coke is one of the by-products used in oil refining. It is stored in silos until it can be loaded into railroad cars for shipment. The coke hardens after being placed in the silos. To unload the coke from the silos, a decoking hose is attached to a drill stem which travels down the silo. Using warm water and high pressure to wash the loosened coke from the silo.

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

TUBE: Type C₃ (Modified Nitrile). 3/16" thick. Black. Specially compounded for handling abrasion and corrosion.

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. One continuous longitudinal yellow transfer label (with serial number and code date embossed).

COUPLINGS: Swaged – supplied with API standard flanges or equivalent of your choice.

NOTE: FIELD WELDING OF FITTINGS TO COUPLING IS **NOT** RECOMMENDED.

Hubs

FITTINGS:

Flanges

