



Petroleum Transfer Hose

Longhorn®

(Specification 4688CC, 4688DC)

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

Smooth Cover (4688CC)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.54	.25	100 ft.	X	4688-1305	\$17.36
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.54	.25	200 ft.	X	4688-0454	17.36
1 1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.71	.32	100 ft.	X	4688-1306	18.99
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	1.05	.48	100 ft.	X	4688-1307	20.83
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	1.05	.48	200 ft.	X	4688-1493	20.83
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.34	.61	100 ft.	X	4688-1308	21.90
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.34	.61	200 ft.	X	4688-1342	21.90
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.76	.80	100 ft.	X	4688-1309	29.20
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.76	.80	200 ft.	X	4688-0455	29.20
3	76.2	3.53	90.9	150	1.03	30.0	762	9.0	229	2.40	1.09	100 ft.	X	4688-1310	33.67
3	76.2	3.53	90.9	150	1.03	30.0	762	9.0	229	2.40	1.09	200 ft.	X	4688-1343	33.67
4	101.6	4.62	117.4	150	1.03	30.0	762	12.0	305	3.29	1.50	100 ft.	X	4688-1311	47.60
4	101.6	4.62	117.4	150	1.03	30.0	762	12.0	305	3.29	1.50	200 ft.	X	4688-1344	47.60
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	100 ft.	X	4688-1465	114.24

Corrugated Cover (4688DC)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.52	64.0	150	1.03	30.0	762	5.0	127	1.08	.49	100 ft.	X	4688-1351	\$21.90
3	76.2	3.53	90.9	150	1.03	30.0	762	8.0	203	2.67	1.21	100 ft.	X	4688-1352	33.67
4	101.6	4.64	117.9	150	1.03	30.0	762	11.0	279	3.14	1.43	100 ft.	X	4688-1353	47.60
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	7.51	3.41	50 ft.	X	4688-1355	114.24
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	100 ft.	X	4688-1612	114.24
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	200 ft.	X	4688-1362	114.24

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use.

CAUTION: Service life of transfer hoses can be extended by draining hoses after use. For bio-diesel and other alternative fuel applications, see Longhorn® AF. 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.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C).

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type A (Neoprene). Black with red spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® Longhorn® Petroleum Transfer 150 PSI (1.03MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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





Petroleum Transfer Hose

Longhorn® AF (Alternative Fuel)

(Specification 4688AC, 4688AF)

Smooth Cover (4688AF)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction		Min. Bend Radius	R _b	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(in.)	(mm)	(in.)	(mm)	(psi)	(MPa)	(in. Hg)	(mm Hg)	(in.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	100 ft.	X	4688-1700	\$19.09
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	200 ft.	400 ft.	4688-1701	19.09
1 1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.70	.32	100 ft.	X	4688-1702	20.89
1 1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.70	.32	200 ft.	400 ft.	4688-1703	20.89
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.87	.40	100 ft.	X	4688-1704	22.91
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.87	.40	200 ft.	400 ft.	4688-1705	22.91
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.10	.50	100 ft.	X	4688-1706	24.09
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.10	.50	200 ft.	400 ft.	4688-1707	24.09
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.47	.67	100 ft.	X	4688-1708	32.13
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.47	.67	200 ft.	400 ft.	4688-1709	32.13
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	100 ft.	X	4688-1710	37.04
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	200 ft.	400 ft.	4688-1711	37.04
4	101.6	4.57	116.1	150	1.03	30.0	762	12.0	305	2.59	1.18	100 ft.	X	4688-1712	52.36
4	101.6	4.57	116.1	150	1.03	30.0	762	12.0	305	2.59	1.18	200 ft.	400 ft.	4688-1713	52.36

Corrugated Cover (4688AC)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction		Min. Bend Radius	R _b	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(in.)	(mm)	(in.)	(mm)	(psi)	(MPa)	(in. Hg)	(mm Hg)	(in.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	100 ft.	X	4688-1718	\$19.09
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	200 ft.	400 ft.	4688-1719	19.09
1 1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.70	.32	100 ft.	X	4688-1720	20.89
1 1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.70	.32	200 ft.	400 ft.	4688-1721	20.89
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.87	.40	100 ft.	X	4688-1722	22.91
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.87	.40	200 ft.	400 ft.	4688-1723	22.91
2	50.8	2.52	64	150	1.03	30.0	762	6.0	152	.59	.27	100 ft.	X	4688-1724	24.09
2	50.8	2.52	64	150	1.03	30.0	762	6.0	152	.59	.27	200 ft.	400 ft.	4688-1725	24.09
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.47	.67	100 ft.	X	4688-1726	32.13
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.47	.67	200 ft.	400 ft.	4688-1727	32.13
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	100 ft.	X	4688-1728	37.04
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	200 ft.	400 ft.	4688-1729	37.04
4	101.6	4.57	116.1	150	1.03	30.0	762	12.0	305	2.59	1.18	100 ft.	X	4688-1730	52.36
4	101.6	4.57	116.1	150	1.03	30.0	762	12.0	305	2.59	1.18	200 ft.	400 ft.	4688-1731	52.36

RECOMMENDED FOR: Longhorn AF is designed and engineered specifically for constant contact use in the transfer of alternative fuels such as bio-diesel, bio-diesel blends, ethanol and ethanol blends. It can also be used for constant contact use in the transfer of commercial gasolines, diesel fuels, oils and other petroleum products. It is ideal for tank truck, terminal loading and in-plant operations.

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

TEMPERATURE: -30°F to +180°F (-34°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C). Contact Denver Product Application (303) 744-5070 for use at temperature extremes.

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type C2 (Modified Nitrile). Black with red spiral stripe and green boarder.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® LONGHORN® AF 150 PSI (1.03MPa) WP FLAME RESISTANT MSHA IC-4116 MADE IN U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

STANDARDS: **Tube:** ARPM (Class A) High oil resistance.
Cover: ARPM (Class A) High oil resistance.
 Meets MSHA 30 CFR 18.65. Flame resistant.

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



Powering Progress.

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Petroleum Transfer Hose

Longhorn® MegaFlex®

(Specification 4688F Maximum Flexibility)

ACID-CHEMICAL
AIR AND MULTI-PURPOSE
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HOSE FINDER
CHEMICAL RESISTANCE TABLE

Nom. I.D. (In.)	⊖ (mm)	Nom. O.D. (In.)	⊕ (mm)	Max. W.P. (psi)	⊕ (MPa)	Suction (In. Hg)	⊖ (mm Hg)	Min. Bend Radius (In.)	⊕ (mm)	Wt. Per Ft. (Lbs.)	⊕ (Kg)	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
1	25.4	1.41	35.8	150	1.03	30.0	762	1.0	25	.46	.21	100 ft.	X	4688-1732	\$19.09
1 1/2	38.1	1.90	48.3	150	1.03	30.0	762	1.5	38	.65	.29	100 ft.	X	4688-2031	22.91
2	50.8	2.39	60.7	150	1.03	30.0	762	2.0	51	.86	.41	100 ft.	X	4688-1733	24.09
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76	1.45	.67	100 ft.	X	4688-1734	37.04
4	101.6	4.48	113.8	150	1.03	30.0	762	4.0	102	2.15	1.04	100 ft.	X	4688-1735	52.36
6	152.4	6.82	173.2	150	1.03	30.0	762	6.0	152	4.00	1.81	100 ft.	X	4688-2033	125.66

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel), oils and other petroleum products. Ideal for tank truck, fuel farm, and oil field service truck use where a super flexible, maximum kink resistant fuel transfer hose is needed.

CAUTION: Drain hose after use.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C).

CONSTRUCTION: **Tube:** Type C (NBR).
Reinforcement: Synthetic high tensile textile reinforcement with steel wire helix.
Cover: Type A (Chloroprene). Black with red spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only.)

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® LONGHORN® MEGAFLEX® PETROLEUM TRANSFER 150 PSI (1.03 MPa) W.P. MADE IN USA"

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet per size. If a special transfer label is required, contact Gates Corporation for minimum quantity.
 Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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





Petroleum Transfer Hose

Arctic™ Longhorn® MegaFlex®

(Specification 4688LT Maximum Flexibility)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.38	60.5	150	1.03	30.0	762	2.0	50.8	.92	.44	100 ft.	X	4688-2040	\$27.82
2	50.8	2.38	60.5	150	1.03	30.0	762	2.0	50.8	.92	.44	200 ft.	400 ft.	4688-2041	27.82
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76.2	1.40	.66	100 ft.	X	4688-2042	38.52
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76.2	1.40	.66	200 ft.	400 ft.	4688-2043	38.52
4	101.6	4.49	114.0	150	1.03	30.0	762	4.0	101.6	2.00	1.01	100 ft.	X	4688-2044	51.59
4	101.6	4.49	114.0	150	1.03	30.0	762	4.0	101.6	2.00	1.01	200 ft.	400 ft.	4688-2045	51.59

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel), oils and other petroleum products. It is ideal for tank truck, fuel farm and oil field service truck use where a super flexible cold weather fuel transfer hose is needed. Hose life can be extended by draining hose after use. Hose maintains flexibility down to -65°F.

TEMPERATURE: -65°F to +180°F (-54°C to +82°C) continuous service.

CONSTRUCTION: **Tube:** Type C (NBR). Black
Reinforcement: Synthetic, high tensile textile with dual wire helix.
Cover: Type A (Chloroprene). Blue, corrugated with black spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® ARCTIC™ LONGHORN® MEGAFLEX® 150 PSI (1.03 MPa) Made in USA."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet. If a special transfer label is required, contact Gates Corporation for minimum quantity and details. Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

FOOD AND BEVERAGE

MARINE

MATERIAL HANDLING

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OILFIELD

PETROLEUM TRANSFER

PRESSURE WASHER

STEAM

WATER

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE





Petroleum Transfer Hose

Petroleum Drop
150SD MegaFlex®

(Specification 4688RF Maximum Flexibility)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊖	Suction	⊖	Min. Bend Radius	⊖	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.45	62.2	150	1.03	30.0	762	2.0	50.8	.97	.44	100 ft.	X	4688-2011	\$37.97
2	50.8	2.45	62.2	150	1.03	30.0	762	2.0	50.8	.97	.44	200 ft.	X	4688-2012	37.97
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76.2	1.65	.66	100 ft.	X	4688-2015	48.71
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76.2	1.46	.66	200 ft.	X	4688-2016	48.71
4	101.6	4.48	113.8	150	1.03	30.0	762	4.0	101.6	2.22	1.01	100 ft.	X	4688-2017	65.68
4	101.6	4.48	113.8	150	1.03	30.0	762	4.0	101.6	2.22	1.01	200 ft.	X	4688-2018	65.68

RECOMMENDED FOR: Transfer of commercial gasoline, diesel fuels, oils and other petroleum products including bio-diesel, bio-diesel blends, ethanol and ethanol blends. It is ideal for tank truck, terminal loading and in-plant operations and oil field service truck use where a super flexible, maximum kink resistant fuel transfer hose is needed. Hose life can be extended by draining hose after use.

TEMPERATURE: -30°F to +180°F (-34°C to +82°C) continuous service.

CONSTRUCTION: **Tube:** Type C (NBR). Black
Reinforcement: Synthetic, high tensile textile with dual wire helix.
Cover: Type C2 (Modified Nitrile). Red corrugated with black spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 73. Crimp Sleeves (78) can be used with cam and groove type stems (49) at temperatures below 125°F (52°C). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® Petroleum Drop 150 SD MEGAFLEX® 150 PSI (1.03 MPa) Made in USA."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet. If a special transfer label is required, contact Gates Corporation for minimum quantity and details.
 Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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

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HOSE FINDER
CHEMICAL RESISTANCE TABLE





Petroleum Transfer Hose

Steer®
(Specification 4688CN)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	R ₂	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.44	62.0	150	1.03	—	—	—	—	.92	.42	100 ft.	X	4688-1320	\$19.71
2	50.8	2.44	62.0	150	1.03	—	—	—	—	.92	.42	200 ft.	400 ft.	4688-1491	19.71
3	76.2	3.45	87.6	150	1.03	—	—	—	—	1.37	.62	100 ft.	X	4688-1321	30.31
3	76.2	3.45	87.6	150	1.03	—	—	—	—	1.37	.62	200 ft.	400 ft.	4688-1530	30.31
4	101.6	4.51	114.6	150	1.03	—	—	—	—	2.03	.92	100 ft.	X	4688-1322	42.84
4	101.6	4.51	114.6	150	1.03	—	—	—	—	2.03	.92	200 ft.	400 ft.	4688-1531	42.84

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use.

CAUTION: Service life of transfer hoses can be extended by draining hoses after use. For bio-diesel and other alternative fuel applications, see Longhorn® AF. 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.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C).

CONSTRUCTION:
Tube: Type C (Nitrile). Black.
Reinforcement: Braided, high tensile synthetic textile cord with static conductor.
Cover: Type A (Neoprene). Black with red spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® Steer® Petroleum Transfer Discharge 150 PSI (1.03MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet per size. If a special transfer label is required, contact Gates Corporation for minimum quantity. Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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

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





Petroleum Transfer Hose

Maverick™
(Specification 4687R)

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

Nom. I.D. (In.)	⊖ (mm)	Nom. O.D. (In.)	⊕ (mm)	Max. W.P. (psi)	⊕ (MPa)	Suction (In. Hg)	⊖ (mm Hg)	Min. Bend Radius (In.)	⊕ (mm)	Wt. Per Ft. (Lbs.)	⊕ (Kg)	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
2	50.8	2.48	63.0	100	.69	30.0	762	4.0	102	1.11	.50	100 ft.	X	4687-0251	\$19.32
2	50.8	2.48	63.0	100	.69	30.0	762	4.0	102	1.08	.49	200 ft.	400 ft.	4687-0200	19.32
3	76.2	3.50	88.9	100	.69	30.0	762	6.0	152	1.71	.78	100 ft.	X	4687-0252	29.70
4	101.6	4.50	114.3	100	.69	30.0	762	11.0	279	2.38	1.08	100 ft.	X	4687-0253	41.99

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use.

CAUTION: Service life of transfer hoses can be extended by draining hoses after use. For bio-diesel and other alternative fuel applications, see Longhorn® AF. 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.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C).

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type C2 (Modified Nitrile). Red corrugated with white spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 26, 49 or 78. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® Maverick™ Petroleum Transfer 100 PSI (.69MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet per size. If a special transfer label is required, contact Gates Corporation for minimum quantity.
 Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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





Petroleum Transfer Hose

Super-Vac™

(Specification 4688V, 4688VN)

Smooth Cover (4688VN)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊖	Suction	⊖	Min. Bend Radius	⊖	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.47	62.7	150	1.03	30.0	762	4.0	102	.99	.45	100 ft.	400 ft.	4688-1496	\$18.54
3	76.2	3.52	89.4	150	1.03	30.0	762	6.0	152	1.76	.80	100 ft.	400 ft.	4688-1497	27.37
4	101.6	4.52	114.8	100	.69	30.0	762	8.0	203	2.29	1.04	100 ft.	400 ft.	4688-1498	36.63

Corrugated Cover (4688V)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊖	Suction	⊖	Min. Bend Radius	⊖	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.42	36.1	150	1.03	30.0	762	3.0	76	.52	.24	100 ft.	X	4688-0651	\$13.06
1 1/4	31.8	1.68	42.7	150	1.03	30.0	762	3.0	76	.67	.30	100 ft.	X	4688-0653	13.85
1 1/2	38.1	1.97	50.0	150	1.03	30.0	762	3.0	76	.77	.35	100 ft.	X	4688-0656	15.06
2	50.8	2.47	62.7	150	1.03	30.0	762	4.0	102	.99	.45	100 ft.	X	4688-0665	18.54
2	50.8	2.47	62.7	150	1.03	30.0	762	4.0	102	.94	.43	200 ft.	400 ft.	4688-0668	18.54
2 1/2	63.5	2.99	75.9	150	1.03	30.0	762	5.0	127	1.52	.69	100 ft.	X	4688-0675	24.00
3	76.2	3.52	89.4	150	1.03	30.0	762	6.0	152	1.89	.86	100 ft.	X	4688-0680	27.37
4	101.6	4.52	114.8	100	.69	30.0	762	8.0	203	2.47	1.12	100 ft.	X	4688-0690	36.63
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.56	2.07	20 ft.	X	4688-0697	61.03
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.56	2.07	50 ft.	X	4688-0698	61.03
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.37	1.98	100 ft.	200 ft.	4688-1613	61.03
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.56	2.07	200 ft.	200 ft.	4688-0702	61.03

RECOMMENDED FOR: 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, diesel fuels and sewage transfer. Reference Gates Chemical Resistance Table.

CAUTION: NOT RECOMMENDED FOR REFINED PETROLEUM PRODUCTS SUCH AS GASOLINE.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C) continuous service. NOTE: Diesel fuel normally conveyed below 120°F (+49°C).

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type D (SBR). Black corrugated with blue spiral stripe.
Design Factor: 4:1

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

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® Super-Vac™ Oil Field Vacuum 150 PSI (1.03MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

STANDARDS: **Tube:** ARPM (Class B) Medium oil resistance.

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





Petroleum Transfer Hose

Super-Vac™ MegaFlex®

(Specification 4688VF)

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

Nom. I.D. (In.)	⊖ (mm)	Nom. O.D. (In.)	⊕ (mm)	Max. W.P. (psi)	⊕ (MPa)	Suction (In. Hg)	⊖ (mm Hg)	Min. Bend Radius (In.)	⊕ (mm)	Wt. Per Ft. (Lbs.)	⊕ (Kg)	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
2	51.0	2.39	60.7	150	1.03	30.0	762	2.0	51	.83	.38	100 ft.	X	4688-2104	\$20.39
2	51.0	2.39	60.7	150	1.03	30.0	762	2.0	51	.83	.38	200 ft.	400 ft.	4688-2105	20.39
3	76.0	3.47	88.1	150	1.03	30.0	762	3.0	76	1.53	.69	100 ft.	X	4688-2107	30.11
4	102.0	4.52	114.8	100	.69	30.0	762	4.0	102	1.94	.88	100 ft.	X	4688-2108	40.29
4	102.0	4.52	114.8	200	1.38	30.0	762	4.0	102	2.12	.88	100 ft.	X	4688-2109	44.32

RECOMMENDED FOR: 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, diesel fuels, and sewage transfer.

CAUTION: NOT RECOMMENDED FOR REFINED PETROLEUM PRODUCTS SUCH AS GASOLINE OR DIESEL. DRAIN HOSE AFTER USE.

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

CONSTRUCTION: **Tube:** Type C (NBR). Black
Reinforcement: Synthetic, high tensile textile with dual steel wire helix.
Cover: Type D (SBR). Black corrugated with blue spiral stripe.
Design Factor: 4:1

COUPLINGS: 7, 49 or 73. (for ambient temperatures only). Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® SUPER-VAC™ MEGAFLEX® Oil Field Vacuum 150 PSI (1.03 MPa) W.P. Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Blue cover (Type C2, Modified Nitrile) is made to order and requires minimum order quantity of 400 ft per size. For price, add 10% (x1.10) to price

Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

STANDARDS: **Tube:** ARPM (Class B) Medium oil resistance.





Petroleum Transfer Hose

Sea Horse® (Fuel Transfer)

(Specification 4110SS)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	R ₂	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.66	67.6	300	2.07	10.0	254	14.0	356	1.78	.64	200 ft.	X	4110-0701	\$37.40
2 1/2	63.5	3.16	80.3	300	2.07	10.0	254	17.0	432	2.16	.77	200 ft.	X	4110-0704	46.43
3	76.2	3.70	94.0	300	2.07	10.0	254	21.0	533	2.45	.98	200 ft.	X	4110-0707	53.03
4	101.6	4.70	119.4	300	2.07	10.0	254	28.0	711	3.14	1.27	200 ft.	X	4110-0710	65.69
5	127.0	5.84	148.3	300	2.07	10.0	254	35.0	889	4.50	1.88	200 ft.	X	4110-0713	97.44

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel) oils and other petroleum products. Ideal for offshore/onshore 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. Transfer of water, petroleum based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracing.

CAUTION: For bio-diesel and other alternative fuel applications, see Longhorn® AF. 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.

Transfer hoses are designed for intermittent contact with refined fuels and must be drained after use. Do not convey fuels over 120° F (+49°C).

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

CONSTRUCTION:
Tube: Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with static wire.
Cover: Type A (Neoprene). Black with red spiral stripe.
Design Factor: 4:1

COUPLINGS: 14, 15, 71 all sizes. 26 2" and 2 1/2" only. Reference the Hose Coupling Section.

PACKAGING: 200' length coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® SEA HORSE® Fuel Transfer 300 PSI (2.07MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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

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





Petroleum Transfer Hose

Sea Horse® HW
(Fuel Transfer Suction/
Discharge - Hardwall)

(Specification 4688SS)

Nom. I.D.	⊖ (mm)	Nom. O.D.	⊕ (mm)	Max. W.P.	⌚ (psi)	⌚ (MPa)	Suction		Min. Bend Radius	⌚ (mm)	Wt. Per Ft.		Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
							(In. Hg)	(mm Hg)			(In.)	(mm)				
2	50.8	2.78	70.6	300	2.07	30.0	762	10.0	254	1.60	.73	200 ft.	X	4688-0584	\$47.98	
3	76.2	3.86	98.0	300	2.07	30.0	762	18.0	457	2.59	1.18	200 ft.	X	4688-0585	67.30	
4	101.6	4.87	123.7	300	2.07	30.0	762	24.0	610	3.52	1.60	200 ft.	X	4688-0587	79.06	
6	152.4	7.07	179.6	200	1.38	30.0	762	36.0	914	5.00	2.27	100 ft.	X	4688-0589	168.00	
6	152.4	7.07	179.6	200	1.38	30.0	762	36.0	914	7.95	3.61	200 ft.	200 ft.	4688-0588	168.00	

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline and diesel fuel) oils and other petroleum products. Ideal for offshore/onshore transfer applications involving suction and discharge service for diesel oils and other similar petroleum products where an extremely lightweight, hardwall, flexible hose with a high rated working pressure and a small minimum bend radius is required. Transfer of water, petroleum based fluids, dilute acids, chemicals and abrasive slurries used in oil and gas well stimulation and fracing.

CAUTION: For bio-diesel and other alternative fuel applications, see Longhorn® AF. 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.

Transfer hoses are designed for intermittent contact with refined fuels and must be drained after use. Do not convey fuels over 120° F (+49°C).

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

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type A (Neoprene). Black with red spiral stripe.
Design Factor: 4:1

COUPLINGS: 14, 15 or 71. Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "GATES® SEA HORSE® HW Hardwall Fuel Transfer 300 PSI (2.07MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 400 feet for sizes through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Gates Corporation for minimum quantity.

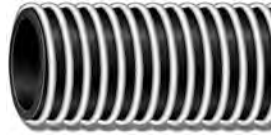
Specific cut lengths available through the Cut Length Program. Contact Customer Service for details.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

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

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





Petroleum Transfer Hose

Master-Flex® Fuel Delivery

(Specification 7744)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.*	⊕	Suction*	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
3	76.2	3.76	95.5	65	.45	28.0	711	6.0	152	1.71	.78	100 ft.	X	7744-7103	\$45.42
4	101.6	4.79	121.7	65	.45	28.0	711	8.0	203	2.44	1.11	100 ft.	X	7744-7104	58.31

NOTE: * Working Pressure and Suction at +72°F (+22°C).

RECOMMENDED FOR: Transfer of commercial gasolines, diesel fuel, oils and other petroleum products. Ideal for oilfield service truck use.

TEMPERATURE: -30°F to +130°F (-34°C to +55°C) Warning: Do not convey fuels over 120°F (+49°C).

CONSTRUCTION:
Tube: Type C3 (Modified Nitrile). Black.
Reinforcement: Polyester fabric with static wire.
Cover: Type G (PVC). Black with yellow helix.
Design Factor: 4:1

COUPLINGS: 6, 7, 49 or 78. Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Unlabeled.

SPECIAL ORDER REQUIREMENTS: None.

REMNANT LENGTHS: None.



Petroleum Transfer Hose

Master-Flex® Fuel Delivery Sleeve

Nom. I.D.	⊖	Wt. Per Ea.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ea.
(In.)	(mm)	(Lbs.)	(Kg)				
3	76.2	5.13	2.33	3 ft.	1 ea.	7744-8103	\$67.86
4	101.6	7.32	3.33	3 ft.	1 ea.	7744-8104	75.96

INSTALLATION: Apply the sleeve by twisting in a clockwise direction. Use of an appropriate lubricant, i.e. soapy water solution, will simplify sleeve application and reduce possibility of damage to hose cover. Make sure sleeve is applied prior to coupling insertion.

RECOMMENDED FOR: Soft Black PVC sleeve is designed to fit Gates Fuel Delivery Hose and provides a smooth banding surface.

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





Petroleum Transfer Hose

Master-Flex® Vapor Recovery (Specification 7744)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.*	⊕	Suction*	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1 1/2	38.1	1.88	47.8	5	.03	—	—	1.5	38	.36	.16	100 ft.	1,000 ft.	7744-7015	\$12.84
2	50.8	2.43	61.7	5	.03	—	—	2.0	51	.48	.22	100 ft.	X	7744-7020	16.53
3	76.2	3.54	89.9	5	.03	—	—	3.0	76	.69	.31	100 ft.	X	7744-7030	29.93
4	101.6	4.56	115.8	5	.03	—	—	4.0	102	.92	.42	100 ft.	X	7744-7040	44.25
5	127.0	5.51	140.0	5	.03	—	—	5.0	127	1.13	.51	100 ft.	1,000 ft.	7744-7050	52.28
6	152.4	6.52	165.6	5	.03	—	—	6.0	152	1.24	.56	100 ft.	1,000 ft.	7744-7060	85.32

NOTE: * Working Pressure and Suction at +72°F (+22°C).

RECOMMENDED FOR: Vapor Recovery for use with Gates Brahma®, Longhorn® and Master-Flex® Fuel Delivery. Can also be used for ducting, dust and light abrasive material handling.

TEMPERATURE: -30°F to +140°F (-34°C to +60°C) continuous service.

CONSTRUCTION: Tube: Type U (Polyurethane). Clear. Reinforcement: Rigid yellow PVC helix with copper static wire. Cover: Type G (PVC). Clear with yellow helix. Design Factor: N/A

COUPLINGS: 7, 26, 49 or 78. Reference the Hose Coupling Section.

PACKAGING: 100' coiled and wrapped in polyethylene.

BRANDING: Unlabeled.

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 1,000 feet per size. No deviations allowed to above product.

REMNANT LENGTHS: None.



Petroleum Transfer Hose

Master-Flex® Vapor Recovery Sleeve

Nom. I.D.	⊖	Wt. Per Ea.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ea.
(In.)	(mm)	(Lbs.)	(Kg)				
3	76.2	5.13	2.33	3 ft.	1 ea.	7744-8030	\$67.86
4	101.6	7.32	3.33	3 ft.	1 ea.	7744-8040	75.96

INSTALLATION: Apply the sleeve by twisting in a clockwise direction. Use of an appropriate lubricant, i.e. soapy water solution, will simplify sleeve application and reduce possibility of damage to hose cover. Make sure sleeve is applied prior to coupling insertion.

RECOMMENDED FOR: Soft Gray PVC sleeve is designed to fit Gates Vapor Recovery Hose and provides a smooth banding surface.





Petroleum Transfer Hose

Fuel Oil Delivery

(Specification 3221FR)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	100 ft.	X	3221-0410	\$15.21
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	125 ft.	X	3221-0411	15.21
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	150 ft.	X	3221-0412	15.21
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	.58	.26	175 ft.	X	3221-0413	15.21
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	.75	.34	100 ft.	X	3221-0414	17.67
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	.75	.34	125 ft.	X	3221-0415	17.67
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	.75	.34	150 ft.	X	3221-0416	17.67
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	.75	.34	175 ft.	X	3221-0417	17.67
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.86	.39	100 ft.	X	3221-0418	20.19
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.86	.39	125 ft.	X	3221-0419	20.19
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.86	.39	150 ft.	X	3221-0420	20.19
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.86	.39	175 ft.	X	3221-0421	20.19
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	.95	.43	100 ft.	X	3221-0422	25.50
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	.95	.43	125 ft.	X	3221-0423	25.50
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	.95	.43	150 ft.	X	3221-0424	25.50
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	.95	.43	175 ft.	X	3221-0425	25.50
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	.95	.43	200 ft.	X	3221-0426	25.50

Fuel Oil Delivery Assemblies (Coupled with Internal Expansion Fittings Male/Female Swivel)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ea.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ea.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	64.20	29.18	100 ft. cpld	1 ea.	3221-0075	\$2429.12
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	75.50	34.32	125 ft. cpld	1 ea.	3221-0076	2662.56
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	90.00	40.91	150 ft. cpld	1 ea.	3221-0077	2876.03
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	104.50	47.50	175 ft. cpld	1 ea.	3221-0078	3176.93
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	79.00	35.91	100 ft. cpld	1 ea.	3221-0079	3051.86
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	115.00	52.27	125 ft. cpld	1 ea.	3221-0080	3495.30
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	121.00	55.00	150 ft. cpld	1 ea.	3221-0081	3894.84
1 1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	203	135.25	61.48	175 ft. cpld	1 ea.	3221-0082	4299.21
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	84.00	38.18	100 ft. cpld	1 ea.	3221-0083	3177.93
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	104.00	47.27	125 ft. cpld	1 ea.	3221-0084	3636.93
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	137.10	62.32	150 ft. cpld	1 ea.	3221-0085	4059.59
1 3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	140.50	63.86	175 ft. cpld	1 ea.	3221-0086	4739.12
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	100.00	45.45	100 ft. cpld	1 ea.	3221-0087	3953.12
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	123.75	56.25	125 ft. cpld	1 ea.	3221-0088	4529.63
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	135.00	61.36	150 ft. cpld	1 ea.	3221-0089	5139.11
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	171.25	77.84	175 ft. cpld	1 ea.	3221-0090	5738.81
1 1/2	38.1	2.08	52.8	200	1.38	10.0	254	12.0	305	195.00	88.64	200 ft. cpld	1 ea.	3221-0095	6362.48

RECOMMENDED FOR: Transferring fuel oils, diesel fuel or commercial gasolines in applications at temperatures as low as -40°F (-40°C). Compatible with bio-diesel fuels up to B20. Hose remains flexible to -20°F (-29°C). For home and heavy-duty commercial service where an abrasion resistant and non-marking cover is required.

TEMPERATURE: -40°F to +180°F (-29°C to +82°C) continuous service. NOTE: Gasoline is normally conveyed below 120°F (+49°C).

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: High tensile synthetic textile cord.
Cover: Type C4 (Carboxylated Nitrile). Red. Abrasion resistant and non-marking.
Design Factor: 4:1

COUPLINGS: 26 or 49. Reference the Hose Coupling Section.

PACKAGING: 1" through 1 3/8": Packaged one length per carton.
 1 1/2": Packaged one length coiled and shrink wrapped on a pallet.

BRANDING: Continuous ink print label. Example: "GATES® FUEL OIL DELIVERY/GASOLINE 1 1/2 INCH (38.1mm) 200 PSI (1.38MPa) WP MADE IN U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 25,000 feet for all sizes.

REMNANT LENGTHS: None.

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

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

FOOD AND BEVERAGE

MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM TRANSFER

PRESSURE WASHER

STEAM

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COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE





Petroleum Transfer Hose

LP350 (Butane-Propane)

(Specification 3220LP, 3320)

LP350

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1 1/4	31.8	1.85	47.0	350	2.41	10.0	254	10.0	254	.98	.45	Reel	X	3220-0855	\$32.69
1 1/2	38.1	2.25	57.2	350	2.41	10.0	254	12.0	305	1.26	.57	60 ft.	X	3320-0935	41.67
2	50.8	2.86	72.6	350	2.41	10.0	254	14.0	356	1.81	.82	60 ft.	X	3320-0938	53.10
3	76.2	3.88	98.6	350	2.41	10.0	254	24.0	610	2.58	1.17	60 ft.	X	3320-0934	89.57

LP350 Power Crimp® Ferrules

Size (in)	Description	Wt. Per Ea. (Lbs.)	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Each End
1 1/2	24PCBHB1F	.80	1 ea. (X)	7266-07345	\$91.10
1 1/2	24PCBHB1F	.80	20 ea. (X)	7266-0734	91.10
2	32PCBHB1F STD	1.72	1 ea. (X)	7266-07335	114.95
2	32PCBHB1F	1.72	12 ea. (X)	7266-0733	114.95

NOTE: These ferrules are to be used with LP350 hose only.

RECOMMENDED FOR: Liquid or gaseous propane, butane or any combination of these two mixtures. Can be used for natural gas (not to exceed 50 psi) under certain conditions such as: open/outside areas and well ventilated factory buildings (if local building codes permit).

CAUTION: Not recommended for residential, office buildings or as fuel line hose on compressed natural gas vehicles. Contact Denver Product Application (303) 744-5070 for inspection and assembly testing information.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C) continuous service. Warning: Do not convey LP Gas over 140°F (60°C).

CONSTRUCTION: **Tube:** Type A (Neoprene). 1 1/2", 2" and 3". Black.
 Type C (Nitrile) 1 1/4". Black.
Reinforcement: Braided, high tensile synthetic textile cord.
Cover: Type A (Neoprene). Black. All sizes are perforated.
Design Factor: 5:1

COUPLINGS: 72 Gates Power Crimp® only for 1 1/4", 1 1/2" and 2" I.D. For Power Crimp ferrules, reference the Hose Coupling Section. Do not use male swivel, reusable or o-ring type couplings. For 3" I.D. use Dixon LP Boss only.

PACKAGING: 1 1/4": Packaged in 270' to 330' reels. Maximum of 3 pieces. Minimum length 25'.
 1 1/2" through 3": Packaged 60' in a carton.

BRANDING: Continuous molded strip brand label. Example: "GATES® LP350 LP-Gas Hose 2 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 5,000 feet for 1 1/4" and 600 feet for 1 1/2" through 3". Any other size in specified lengths requires a minimum production order. For price, add 15% (x1.15) to price.

REMNANT LENGTHS: None.

STANDARDS: CAN/CGA-8.1-M86.
 NFPA 58, Section 2-4.6.
 Underwriters Laboratories Standard No. 21. (Applies to all sizes).

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AIR AND MULTI-PURPOSE
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HOSE FINDER
CHEMICAL RESISTANCE TABLE





Petroleum Transfer Hose

LP350X (Butane-Propane)

(Specification 3220SP)

Nom. I.D.	⊘	Nom. O.D.	⊘	Max. W.P.	⊕	Suction	⊘	Min. Bend Radius	R ₂	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1/4	6.4	.58	14.7	350	2.41	30.0	762	3.0	76	.14	.06	Bulk	3,700 ft. (X)	3220-1201	\$4.04
1/4	6.4	.58	14.7	350	2.41	30.0	762	3.0	76	.14	.06	Reel	X	3220-1200	4.49
3/8	9.5	.74	18.8	350	2.41	30.0	762	3.0	76	.21	.10	Bulk	2,000 ft. (X)	3220-1203	5.22
3/8	9.5	.74	18.8	350	2.41	30.0	762	3.0	76	.21	.10	Reel	X	3220-1202	5.81
1/2	12.7	.91	23.1	350	2.41	25.0	635	5.0	127	.28	.13	Bulk	1,000 ft. (X)	3220-1205	7.01
1/2	12.7	.91	23.1	350	2.41	25.0	635	5.0	127	.28	.13	Reel	X	3220-1204	7.79
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	Reel	X	3220-1206	13.07
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	100 ft.	X	3220-1207	15.02
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	125 ft.	X	3220-1208	15.02
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	150 ft.	X	3220-1209	15.02
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	Reel	X	3220-1210	16.43
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.66	.30	100 ft.	X	3220-1211	18.89
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	125 ft.	X	3220-1212	18.89
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	150 ft.	X	3220-1213	18.89

RECOMMENDED FOR: Liquid or gaseous propane, butane or any combination of these two mixtures. Can be used for natural gas (not to exceed 50 psi) under certain conditions such as: open/outside areas and well ventilated factory buildings (if local building codes permit).

CAUTION: Not recommended for residential, office buildings or as fuel line hose on compressed natural gas vehicles. Contact Denver Product Application (303) 744-5070 for inspection and assembly testing information.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C) continuous service. Warning: Do not convey LP Gas over 140°F (60°C).

CONSTRUCTION:
Tube: Type C (Nitrile). Black.
Reinforcement: High tensile synthetic textile cord.
Cover: Type A (Neoprene). Black. All sizes are perforated.
Design Factor: 5:1

COUPLINGS: 75 Gates GLX®. Do not use male swivel, reusable or O-ring type couplings. Reference the Hose Coupling Section.

PACKAGING:
 1/4" Bulk Pack: Packaged 3700' in a pallet carton. Maximum 10 pieces. Maximum of 6 pieces under 25'. Minimum length 10'.
 1/4" through 1/2": Packaged in 600' to 800' reels. Maximum 4 pieces. One length 25' to 50'. Maximum of 2 pieces under 100'.
 3/8" Bulk Pack: Packaged 2000' in a pallet carton. Maximum 10 pieces. Maximum of 6 pieces under 25'. Minimum length 10'.
 1/2" Bulk Pack: Packaged 1000' in a pallet carton. Maximum 10 pieces. All lengths in increments of 25'. Minimum length 25'.
 3/4" and 1" Cut lengths: Coiled in cartons.
 3/4" through 1": Packaged in 300' to 400' reels. Maximum 3 pieces. One length 25' to 50'. All other lengths over 50'. Maximum of 2 pieces under 100'.

BRANDING: Continuous molded strip brand label. Example: "GATES® LP350X UL/CGA TYPE 1 LP-Gas Hose 1 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 25,000 feet. 3/4" and 1" cut lengths are available as standard items as listed. Any other size in specified lengths requires a minimum production order. For price add 15% (x1.15) to reel price.

REMNANT LENGTHS: None.

STANDARDS: CAN/CGA-8.1-M86 Type 1.
 NFPA 58, Section 5-9.6.
 Underwriters Laboratories Standard No. 21. (Applies to all sizes).

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





Petroleum Transfer Hose

LPG Vapor

(Specification 3220E)

ACID-CHEMICAL
AIR AND MULTI-PURPOSE
FOOD AND BEVERAGE
MARINE
MATERIAL HANDLING
MINING
OILFIELD
PETROLEUM TRANSFER
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HOSE FINDER
CHEMICAL RESISTANCE TABLE

Nom. I.D. (In.)	⊖ (mm)	Nom. O.D. (In.)	⊖ (mm)	Max. W.P. (psi)	⊖ (MPa)	Suction (In. Hg)	⊖ (mm Hg)	Min. Bend Radius (In.)	⊖ (mm)	Wt. Per Ft. (Lbs.)	⊖ (Kg)	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
3/16	4.8	.44	11.2	125	.86	30.0	762	2.0	51	.08	.04	Reel	X	3220-0451	\$1.80
1/4	6.4	.53	13.5	125	.86	30.0	762	3.0	76	.11	.05	Reel	X	3220-0456	1.88
3/8	9.5	.66	16.8	125	.86	25.0	635	3.0	76	.14	.06	Reel	X	3220-0461	2.72

RECOMMENDED FOR: Flexible connector for conveying low pressure LPG (vapor only) to many types of farm and industrial heating applications; e.g., space heaters.

CAUTION: This hose should not be used for liquid LPG or in UL approved appliances such as barbecue grills.

TEMPERATURE: -30°F to +150°F (-34°C to +66°C) continuous service.

CONSTRUCTION: **Tube:** Type C (Nitrile). Black.

Reinforcement: High tensile synthetic textile cord.

Cover: Type A (Neoprene). Black.

Design Factor: 5:1

PACKAGING: 3/16" through 3/8": Packaged in 600' to 800' reels. Maximum 4 pieces. One length 25' to 50'. Maximum of 2 lengths under 100'.

BRANDING: Continuous ink print label. Example: "GATES® LPG Vapor 3/8 Inch (9.5mm) 125 PSI (.86MPa) WP Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 25,000 feet per size.

REMNANT LENGTHS: None.

STANDARDS: Underwriters Laboratories Standard No. 569. (Applies to hose assemblies only).





Petroleum Transfer Hose

Blacksnake® (Curb Pump - Hardwall)

(Specification 3624)

Nom. I.D.	⊖	Nom. O.D.	⊖	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
5/8	15.9	1.00	25.4	150	1.03	30.0	762	6.0	152	.37	.17	Reel	X	3624-0001	\$8.52
3/4	19.1	1.13	28.7	150	1.03	30.0	762	6.0	152	.42	.19	Reel	X	3624-0002	8.94
1	25.4	1.38	35.1	150	1.03	30.0	762	8.0	203	.57	.26	Reel	X	3624-0003	13.13

RECOMMENDED FOR: Dispensing all types of commercial gasolines, or other petroleum based products, from service station pumps. A heavy duty hardwall hose which does not collapse in reel use or behind the nozzle in heavy duty service.

TEMPERATURE: -40°F to +120°F (-40°C to +49°C) continuous service.

CONSTRUCTION:
Tube: Type C (Nitrile). Black.
Reinforcement: Braided, high tensile steel wire.
Cover: Type J (CPE). Black. 5/8" and 3/4" smooth, 1" wrapped.
Design Factor: 4:1

COUPLINGS: 24. Reference the Hose Coupling Section.

PACKAGING: 5/8" through 1": Packaged 500' per reel. Maximum 5 pieces. Minimum length 12'.

BRANDING: Continuous transfer label. Example: "GATES® BLACKSNAKE® 3/4 Inch (19.1mm) 1 wire braid (UL) Listed Gasoline Hose Made In U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 5,000 feet per size.

REMNANT LENGTHS: None.

STANDARDS: Underwriters Laboratories Standard No. 330 (USA) and ULC-S612-99 (Canada).

Tube: ARPM (Class A) High oil resistance.

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

FOOD AND BEVERAGE

MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM TRANSFER

PRESSURE WASHER

STEAM

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CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE

