











Petroleum Transfer Hose

Longhorn®
 (Specification 4688CC/4688DC)

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. Hg)	(mm Hg)			(Lbs.)	(Kg)				
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.60	.27	100 ft.	X	4688-1305	\$11.34
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.60	.27	200 ft.	400 ft.	4688-0454	11.34
1-1/4	31.8	1.75	44.5	150	1.03	30.0	762	4.0	102	.72	.33	100 ft.	X	4688-1306	12.41
1-1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.88	.36	100 ft.	X	4688-1307	13.61
1-1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	.88	.36	200 ft.	400 ft.	4688-1493	13.61
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.12	.51	100 ft.	X	4688-1308	14.31
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.12	.51	200 ft.	400 ft.	4688-1342	14.31
2-1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.50	.68	100 ft.	X	4688-1309	19.08
2-1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.50	.68	200 ft.	400 ft.	4688-0455	19.08
3	76.2	3.58	90.9	150	1.03	30.0	762	9.0	229	1.90	.86	100 ft.	X	4688-1310	22.00
3	76.2	3.58	90.9	150	1.03	30.0	762	9.0	229	1.90	.86	200 ft.	400 ft.	4688-1343	22.00
4	101.6	4.62	117.4	150	1.03	30.0	762	12.0	305	2.65	1.20	100 ft.	X	4688-1311	31.10
4	101.6	4.62	117.4	150	1.03	30.0	762	12.0	305	2.65	1.20	200 ft.	400 ft.	4688-1344	31.10




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. Hg)	(mm Hg)			(Lbs.)	(Kg)				
2	50.8	2.52	64.0	150	1.03	30.0	762	5.0	127	1.13	.51	100 ft.	X	4688-1351	\$14.31
3	76.2	3.58	90.9	150	1.03	30.0	762	8.0	203	1.78	.81	100 ft.	X	4688-1352	22.00
4	101.6	4.64	117.9	150	1.03	30.0	762	11.0	279	2.65	1.20	100 ft.	X	4688-1353	31.10
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	50 ft.	X	4688-1355	74.64

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-Diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use. Transfer hoses are designed for intermittent contact with refined fuels and must be drained 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 (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type A (Neoprene). Black with red spiral stripe.

COUPLINGS: , , or . Reference pages 122-133.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example:  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 Denver Industrial Hose Marketing 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 Denver Industrial Hose Marketing for pricing, order requirements and availability.

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



Petroleum Transfer Hose

Steer®
(Specification 4688CN)

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. Hg)	(mm Hg)	(in.)	(mm)	(Lbs.)	(Kg)
2	50.8	2.44	62.0	150	1.03	-	-	-	-	-	.93	.42	100 ft.	X	4688-1320	\$12.88
2	50.8	2.44	62.0	150	1.03	-	-	-	-	-	.93	.42	200 ft.	400 ft.	4688-1491	12.88
3	76.2	3.45	87.6	150	1.03	-	-	-	-	-	1.39	.63	100 ft.	X	4688-1321	19.80
3	76.2	3.45	87.6	150	1.03	-	-	-	-	-	1.39	.63	200 ft.	400 ft.	4688-1530	19.80
4	101.6	4.51	114.6	150	1.03	-	-	-	-	-	2.03	.92	100 ft.	X	4688-1322	27.99
4	101.6	4.51	114.6	150	1.03	-	-	-	-	-	2.03	.92	200 ft.	400 ft.	4688-1531	27.99

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-Diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use. Transfer hoses are designed for intermittent contact with refined fuels and must be drained 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 (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with static conductor.
Cover: Type A (Neoprene). Black with red spiral stripe.

COUPLINGS: [7], [26], or [49]. Reference pages 122-133.

PACKAGING: 100' length coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "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 Denver Industrial Hose Marketing 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 Denver Industrial Hose Marketing for pricing, order requirements and availability.

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



Petroleum Transfer Hose

Maverick™
(Specification 4687R)

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	2.48	63.0	100	.69	30.0	762	4.0	102	1.08	.49	100 ft.	X	4687-0251	\$12.88
3	76.2	3.50	88.9	100	.69	30.0	762	6.0	152	1.73	.79	100 ft.	X	4687-0252	19.80
4	101.6	4.50	114.3	100	.69	30.0	762	11.0	279	2.25	1.02	100 ft.	X	4687-0253	27.99

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-Diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use. Transfer hoses are designed for intermittent contact with refined fuels and must be drained 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 (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type C₂ (Modified Nitrile). Red corrugated with white spiral stripe.

COUPLINGS: , , or . Reference pages 122-133.

PACKAGING: 100' length coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: “ 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 Denver Industrial Hose Marketing for minimum quantity.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Denver Industrial Hose Marketing for pricing, order requirements and availability.

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





**Industrial Hose
Products/List Prices**



39496-000
July 30, 2007
Supersedes 39496-000
July 1, 2006

Petroleum Transfer Hose

Brahma®
(Specification 4688RB)

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	2.42	61.5	150	1.03	30.0	762	5.0	127	.98	.45	100 ft.	X	4688-1505	\$15.74
3	76.2	3.47	88.1	150	1.03	30.0	762	8.0	203	1.53	.69	100 ft.	X	4688-1507	24.20
4	101.6	4.52	114.8	150	1.03	30.0	762	11.0	279	2.10	.95	100 ft.	X	4688-1508	34.21

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-Diesel fuel), oils and other petroleum products. Ideal for oilfield service truck use. Transfer hoses are designed for intermittent contact with refined fuels and must be drained 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 (Nitrile). Black.
Reinforcement: Synthetic, high tensile textile with steel wire helix.
Cover: Type L (UHMWPE) over a base of Type A (Neoprene). Black corrugated cover with black dots and red spiral stripe.

COUPLINGS: , , or . Reference pages 122-133.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: “ Brahma® 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 per size. If a special transfer label is required, contact Denver Industrial Hose Marketing 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 Denver Industrial Hose Marketing for pricing, order requirements and availability.

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

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.



Petroleum Transfer Hose

**Super-Vac®
(Specification 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)	Pack	Order Qty.	Item No.	Per Ft.
1	25.4	1.42	36.1	150	1.03	30.0	762	3.0	76	.52	.24	100 ft.	X	4688-0651	\$8.53
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	9.05
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	9.84
2	50.8	2.47	62.7	150	1.03	30.0	762	4.0	102	.99	.45	100 ft.	X	4688-0665	12.11
2	50.8	2.47	62.7	150	1.03	30.0	762	4.0	102	.99	.45	200 ft.	400 ft.	4688-0668	12.11
2-1/2	63.5	2.99	75.9	150	1.03	30.0	762	5.0	127	1.46	.66	100 ft.	X	4688-0675	15.68
3	76.2	3.52	89.4	150	1.03	30.0	762	6.0	152	1.76	.80	100 ft.	X	4688-0680	17.88
4	101.6	4.52	114.8	100	.69	30.0	762	8.0	203	2.29	1.04	100 ft.	X	4688-0690	23.93
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.37	1.98	20 ft.	X	4688-0697	39.87
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.37	1.98	50 ft.	X	4688-0698	39.87
6	152.4	6.67	169.4	60	.41	30.0	762	18.0	457	4.37	1.98	200 ft.	400 ft.	4688-0702	39.87

RECOMMENDED FOR: Tank truck service, including oil field 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 on page 158.

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

TEMPERATURE: -40°F to +150°F (-40°C to +66°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.

COUPLINGS: [6], [7]. Reference pages 122-133.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "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 Denver Industrial Hose Marketing 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 Denver Industrial Hose Marketing for pricing, order requirements and availability.

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



**Industrial Hose
Products/List Prices**



39496-000
July 30, 2007
Supersedes 39496-000
July 1, 2006

Petroleum Transfer Hose

**Sea Horse®
Fuel Transfer
(Specification 4110SS)**

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)				(psi)	(MPa)					(in. Hg)	(mm Hg)	(Lbs.)	(Kg)
2	50.8	2.66	67.6	300	2.07	10.0	254	14.0	356	1.40	.64	200 ft.	X	4110-0701	\$24.93
2-1/2	63.5	3.16	80.3	300	2.07	10.0	254	17.0	432	1.70	.77	200 ft.	400 ft.	4110-0704	30.95
3	76.2	3.70	94.0	300	2.07	10.0	254	21.0	533	2.17	.98	200 ft.	X	4110-0707	35.35
4	101.6	4.70	119.4	300	2.07	10.0	254	28.0	711	2.80	1.27	200 ft.	X	4110-0710	43.79
5	127.0	5.84	148.3	300	2.07	10.0	254	35.0	889	4.14	1.88	200 ft.	X	4110-0713	64.96

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-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 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.

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.

COUPLINGS: 14, 15, 71, all sizes. 26 2" and 2-1/2" only. Reference pages 121-133.

PACKAGING: 200' length coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "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 Denver Industrial Hose Marketing for minimum quantity.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Denver Industrial Hose Marketing for pricing, order requirements and availability.

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

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.



Petroleum Transfer Hose

Sea Horse® HW
(Fuel Suction/Discharge–Hardwall)
(Specification 4688SS)

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. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.78	70.6	300	2.07	30.0	762	10.0	254	1.87	.85	200 ft.	X	4688-0584	\$31.35
3	76.2	3.86	98.0	300	2.07	30.0	762	18.0	457	3.14	1.42	200 ft.	X	4688-0585	43.97
4	101.6	4.87	123.7	300	2.07	30.0	762	24.0	610	4.03	1.83	200 ft.	X	4688-0587	51.65
6	152.4	7.07	179.6	200	1.38	30.0	762	36.0	914	7.95	3.61	100 ft.	X	4688-0589	109.76

RECOMMENDED FOR: Transfer of refined fuels (commercial gasoline, diesel fuel and Bio-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 transfer applications involving 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.

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.

COUPLINGS: 14, 15, or 71. Reference pages 121-133.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: “ 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 through 4" and 200 feet for sizes above 4". If a special transfer label is required, contact Denver Industrial Hose Marketing for minimum quantity.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Denver Industrial Hose Marketing for pricing, order requirements and availability.

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





Petroleum Transfer Hose

Trident® 400
(Specification 3150B)

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)	(in. Hg)	(mm Hg)	(in.)
2	50.8	2.71	68.8	400	2.76	10.0	254	16.0	406	1.50	.68	200 ft.	X	3150-0410	\$22.27
2-1/2	63.5	3.20	81.3	400	2.76	10.0	254	20.0	508	1.82	.83	200 ft.	400 ft.	3150-0411	27.40
3	76.2	3.71	94.2	400	2.76	10.0	254	24.0	610	2.23	1.01	200 ft.	X	3150-0412	35.24
4	101.6	4.84	122.9	400	2.76	10.0	254	32.0	813	3.49	1.58	200 ft.	X	3150-0413	54.68

RECOMMENDED FOR: Water, air and petroleum product transfer applications where a lightweight, flexible hose in long lengths is required. **Note: For fuels, use a petroleum transfer hose with a Type C (Nitrile) tube.**

TEMPERATURE: -30°F to +158°F (-34°C to +70°C) continuous service.

CONSTRUCTION: **Tube:** Type A (Neoprene). Black.
Reinforcement: Synthetic, high tensile textile.
Cover: Type A (Neoprene). Black with blue spiral stripe for high visibility.

COUPLINGS: 14, 15, 71 or 8. Reference pages 121-133.

PACKAGING: 200' length coiled and wrapped in polyethylene.

BRANDING: Continuous transfer label. Example: "Trident® 400 Multi Service Transfer Air-Water-Petroleum 400 PSI WP Fluid/250 PSI WP Air 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 Denver Industrial Hose Marketing for minimum quantity.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Denver Industrial Hose Marketing for pricing, order requirements and availability.

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



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	\$30.28
4	101.6	4.79	121.7	65	.45	28.0	711	8.0	203	2.44	1.11	100 ft.	X	7744-7104	38.87

*Working pressure and suction at +72°F (+22°C).

RECOMMENDED FOR: Transfer of commercial gasoline, 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.

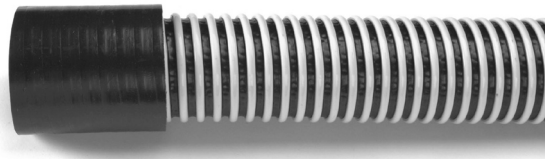
COUPLINGS: , or . Reference pages 122-133.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Unlabeled.

SPECIAL ORDER REQUIREMENTS: None.

REMNANT LENGTHS: None.



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	\$45.24
4	101.6	7.32	3.32	3 ft.	1 EA	7744-8104	50.64

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

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.

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.





**Industrial Hose
Products/List Prices**



39496-000
July 30, 2007
Supersedes 39496-000
July 1, 2006

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	28.0	711	1.5	38	.36	.16	100 ft.	1,000 ft.	7744-7015	\$8.56
2	50.8	2.43	61.7	5	.03	28.0	711	2.0	51	.48	.22	100 ft.	X	7744-7020	11.02
3	76.2	3.54	89.9	5	.03	28.0	711	3.0	76	.69	.31	100 ft.	X	7744-7030	19.95
4	101.6	4.56	115.8	5	.03	28.0	711	4.0	102	.92	.42	100 ft.	X	7744-7040	29.50
5	127.0	5.51	140.0	5	.03	28.0	711	5.0	127	1.13	.51	100 ft.	1,000 ft.	7744-7050	34.85
6	152.4	6.52	165.6	5	.03	28.0	711	6.0	152	1.24	.56	100 ft.	1,000 ft.	7744-7060	56.88

*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.

COUPLINGS: , , or . Reference pages 122-133.

PACKAGING: 100' length 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.



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	\$45.24
4	101.6	7.32	3.32	3 ft.	1 EA	7744-8040	50.64

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

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.

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.



Petroleum Transfer Hose

Fuel Oil Delivery
 (Specification 3221FR/4688NR)

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	\$10.14
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	125 ft.	X	3221-0411	10.14
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	150 ft.	X	3221-0412	10.14
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	.58	.26	175 ft.	X	3221-0413	10.14
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	.75	.34	100 ft.	X	3221-0414	11.78
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	.75	.34	125 ft.	X	3221-0415	11.78
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	.75	.34	150 ft.	X	3221-0416	11.78
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	.75	.34	175 ft.	X	3221-0417	11.78
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.80	.36	100 ft.	X	3221-0418	13.46
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.80	.36	125 ft.	X	3221-0419	13.46
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.80	.36	150 ft.	X	3221-0420	13.46
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	.80	.36	175 ft.	X	3221-0421	13.46
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	.95	.43	100 ft.	X	3221-0422	17.00
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	.95	.43	125 ft.	X	3221-0423	17.00
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	.95	.43	150 ft.	X	3221-0424	17.00
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	.95	.43	175 ft.	X	3221-0425	17.00
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	.95	.43	200 ft.	X	3221-0426	17.00

26 Coupled with Internal Expansion fittings Male/Female

Fuel Oil Delivery Assemblies

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 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	61.00	27.67	100 ft. cpld	1 EA	3221-0075	\$1,619.41
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	75.50	34.25	125 ft. cpld	1 EA	3221-0076	1,775.04
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	90.00	40.82	150 ft. cpld	1 EA	3221-0077	1,917.35
1	25.4	1.50	38.1	200	1.38	10.0	254	8.0	203	104.50	47.40	175 ft. cpld	1 EA	3221-0078	2,117.95
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	79.00	35.83	100 ft. cpld	1 EA	3221-0079	2,034.57
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	97.75	44.34	125 ft. cpld	1 EA	3221-0080	2,330.20
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	116.50	52.84	150 ft. cpld	1 EA	3221-0081	2,596.56
1-1/4	31.8	1.75	44.5	200	1.38	10.0	254	10.0	254	135.25	61.35	175 ft. cpld	1 EA	3221-0082	2,866.14
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	84.00	38.10	100 ft. cpld	1 EA	3221-0083	2,118.62
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	104.00	47.17	125 ft. cpld	1 EA	3221-0084	2,424.62
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	124.00	56.25	150 ft. cpld	1 EA	3221-0085	2,706.39
1-3/8	34.9	1.87	47.5	200	1.38	10.0	254	10.0	254	144.00	65.32	175 ft. cpld	1 EA	3221-0086	3,159.41
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	100.00	45.36	100 ft. cpld	1 EA	3221-0087	2,635.41
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	123.75	56.13	125 ft. cpld	1 EA	3221-0088	3,019.75
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	147.50	66.90	150 ft. cpld	1 EA	3221-0089	3,426.07
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	171.25	77.68	175 ft. cpld	1 EA	3221-0090	3,825.87
1-1/2	38.1	2.05	52.1	200	1.38	10.0	254	12.0	305	195.00	88.45	200 ft. cpld	1 EA	3221-0095	4,241.65

RECOMMENDED FOR: Transferring fuel oils or commercial gasolines in applications at temperatures as low as -40°F (-40°C). Hose remains flexible to -20°F (-29°C). For home and commercial service where a 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. Non-marking. For sizes 1" through 1-3/8".
 Type C₂ (Modified Nitrile). Red. Non-marking. For 1-1/2" only.

COUPLINGS: 26 or 49. Reference pages 122-133.

PACKAGING: Cut lengths: Packaged one each in a carton.

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

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 25,000 feet for 1" through 1-3/8" and 400 feet for 1-1/2".

REMNANT LENGTHS: None.

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

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.





Petroleum Transfer Hose

LP350
(Butane-Propane)
(Specification 3220LP, 3320)

Nom. I.D.		Nom. O.D.		Max. W.P.		Suction		Min. Bend Radius		Wt. Per Ft.		Standard	Stock (X) or Minimum	Gates	List Price
						(In. Hg)	(mm Hg)								
1/4	6.4	.56	14.2	350	2.41	30.0	762	3.0	76	.12	.05	REEL	X	3220-1100	\$2.99
1/4	6.4	.56	14.2	350	2.41	30.0	762	3.0	76	.12	.05	BULK	4500 ft. (X)	3220-5994	2.69
3/8	9.5	.70	17.8	350	2.41	30.0	762	3.0	76	.16	.07	REEL	X	3220-1101	3.87
3/8	9.5	.70	17.8	350	2.41	30.0	762	3.0	76	.16	.07	BULK	2500 ft. (X)	3220-5995	3.48
1/2	12.7	.84	21.3	350	2.41	25.0	635	5.0	127	.22	.10	REEL	X	3220-1102	5.19
1/2	12.7	.84	21.3	350	2.41	25.0	635	5.0	127	.22	.10	BULK	1300 ft. (X)	3220-6001	4.67
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	REEL	X	3220-1108	8.71
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	100 ft.	X	3220-1109	10.01
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	125 ft.	X	3220-1110	10.01
3/4	19.1	1.23	31.2	350	2.41	20.0	508	6.0	152	.44	.20	150 ft.	X	3220-1111	10.01
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	REEL	X	3220-1104	10.95
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	100 ft.	X	3220-1106	12.59
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	125 ft.	X	3220-1107	12.59
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.27	150 ft.	X	3220-1105	12.59
1-1/4	31.8	1.85	47.0	350	2.41	10.0	254	10.0	254	.89	.40	REEL	X	3220-0855	21.79
1-1/2	38.1	2.25	57.2	350	2.41	10.0	254	12.0	305	1.35	.61	60 ft.	X	3320-0935	27.78
2	50.8	2.86	72.6	350	2.41	10.0	254	14.0	356	2.01	.91	60 ft.	X	3320-0938	35.40
3	76.2	3.88	98.6	350	2.41	10.0	254	24.0	610	2.77	1.26	60 ft.	X	3320-0934	59.74

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). **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. Reference page 6 for additional information.

Warning: Do not convey LP Gas over 140°F (60°C).

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

COUPLINGS: Gates GLX™, Gates Power Crimp® **only** for 1-1/2" and 2" I.D. **Do not use male swivel, reusable or o-ring type couplings.** For 3" I.D. use Dixon LP Boss only. Reference pages 120-133. **For Power Crimp ferrules reference page 121 and 129.**

PACKAGING: 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'.
3/4" 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'.
1-1/4": Packaged in 270' to 300' reels. Maximum 3 pieces. Minimum length 25'.
1/4" Bulk Pack: Packaged 4500' in a pallet carton. Maximum 20 pieces. Maximum of 6 pieces under 25'. Minimum length 10'.
3/8" Bulk Pack: Packaged 2500' in a pallet carton. Maximum 20 pieces. Maximum of 6 pieces under 25'. Minimum length 10'.
1/2" Bulk Pack: Packaged 1300' in a pallet carton. Maximum 20 pieces. All lengths in increments of 25'. Minimum length 25'.
1-1/2" and over: Packaged 60' in a carton.

BRANDING: Continuous molded strip brand label. Example: " LP350 UL/CGA TYPE 1 LP-Gas Hose 1 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A."
Continuous molded strip brand label. Example: " LP350 LP-Gas Hose 2 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A." (for 1-1/4" through 3" sizes only)

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 5,000 feet for 1/4" through 1-1/4" and 600 feet for 1-1/2" and larger. 3/4" and 1" cut lengths are available as standard items as listed above. Any other size in specified lengths requires a minimum production order. For price, add 15% (x1.15) to above reel prices.

REMNANT LENGTHS: None.

STANDARDS: Underwriters Laboratories Standard No. 21, Type 1. (Applies to all sizes).
CAN/CGA-8.1-M86. (Applies to 1/4" through 1" sizes only).
NFPA 58, Section 2-4.6.

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.



Petroleum Transfer Hose

LPG Vapor
(Specification 3220E)

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)				
3/16	4.8	.44	11.2	125	.86	30.0	762	2.0	51	.08	.04	REEL	X	3220-0451	\$1.20
1/4	6.4	.53	13.5	125	.86	30.0	762	3.0	76	.11	.05	REEL	X	3220-0456	1.25
3/8	9.5	.66	16.8	125	.86	25.0	635	3.0	76	.14	.06	REEL	X	3220-0461	1.81

RECOMMENDED FOR: Flexible connector for conveying low pressure LPG (vapor only) to many types of heating applications; i.e., space heaters, outdoor gas grills, trailer and camper stoves.

NOTE: This hose meets requirements of UL[®] Bulletin 569, low pressure type. However, only coupled assemblies actually receive UL approval. Assemblers who make coupled hose assemblies are responsible for UL approval of their assemblies.

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.

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: "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).



**Industrial Hose
Products/List Prices**



39496-000
July 30, 2007
Supersedes 39496-000
July 1, 2006

Petroleum Transfer Hose

**Blacksnake®
(Curb Pump–Hard Wall)
(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. 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	\$5.68
3/4	19.1	1.13	28.7	150	1.03	30.0	762	6.0	152	.42	.19	REEL	X	3624-0002	5.96
1	25.4	1.38	35.1	150	1.03	30.0	762	8.0	203	.57	.26	REEL	X	3624-0003	8.75

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.

COUPLINGS: . Reference pages 122-133.

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

BRANDING: Continuous ink print label. Example: " BLACKSNAKE® 3/4 Inch (19.1mm) 1 wire braid 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: **Tube:** RMA (Class A) High oil resistance.
Underwriters Laboratories Standard No. 330.

Due to continual product improvements, Gates reserves the right to alter specs and prices without prior notice.