

**Petroleum Transfer Hose****Longhorn®**
(Specification 4688CC, 4688DC)**Smooth Cover (4688CC)**

Nom. I.D.	Ø	Nom. O.D.	Ø	Max. W.P.	⚙	Suction	Ø	Min. Bend Radius	⚙	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.
(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
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.54	.25	200 ft.	400 ft.	4688-0454
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
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
1 1/2	38.1	2.02	51.3	150	1.03	30.0	762	4.0	102	1.05	.48	200 ft.	400 ft.	4688-1493
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.34	.61	100 ft.	X	4688-1308
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.34	.61	200 ft.	400 ft.	4688-1342
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
2 1/2	63.5	3.05	77.5	150	1.03	30.0	762	8.0	203	1.76	.80	200 ft.	400 ft.	4688-0455
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
3	76.2	3.53	90.9	150	1.03	30.0	762	9.0	229	2.40	1.09	200 ft.	400 ft.	4688-1343
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
4	101.6	4.62	117.4	150	1.03	30.0	762	12.0	305	3.29	1.50	200 ft.	400 ft.	4688-1344
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	100 ft.	200 ft.	4688-1465

Corrugated Cover (4688DC)

Nom. I.D.	Ø	Nom. O.D.	Ø	Max. W.P.	⚙	Suction	Ø	Min. Bend Radius	⚙	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.
(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
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
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
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
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	100 ft.	200 ft.	4688-1612
6	152.4	6.87	174.5	150	1.03	30.0	762	17.0	432	5.91	2.68	200 ft.	200 ft.	4688-1362

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	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.
(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
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	200 ft.	400 ft.	4688-1701
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
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
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
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
2	50.8	2.52	64.0	150	1.03	30.0	762	6.0	152	1.10	.50	100 ft.	X	4688-1706
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
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
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
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	100 ft.	X	4688-1710
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
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
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

Corrugated Cover (4688AC)

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.
(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
1	25.4	1.50	38.1	150	1.03	30.0	762	3.0	76	.59	.27	200 ft.	400 ft.	4688-1719
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
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
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
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
2	50.8	2.52	64	150	1.03	30.0	762	6.0	152	.59	.27	100 ft.	X	4688-1724
2	50.8	2.52	64	150	1.03	30.0	762	6.0	152	.59	.27	200 ft.	400 ft.	4688-1725
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
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
3	76.2	3.53	89.7	150	1.03	30.0	762	9.0	229	1.86	.85	100 ft.	X	4688-1728
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
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
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

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.

REMNAINT 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



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**Petroleum Transfer Hose****Longhorn® MegaFlex®**
(Specification 4688F Maximum Flexibility)

Nom. I.D.	Ø	Nom. O.D.	Ø	Max. W.P.	⌚	Suction	Ø	Min. Bend Radius	R ₂	Wt. Per Ft.	⚖	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.41	35.8	150	1.03	30.0	762	1.0	25	.46	.21	100 ft.	X	4688-1732	
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	
2	50.8	2.39	60.7	150	1.03	30.0	762	2.0	51	.86	.41	100 ft.	X	4688-1733	
3	76.2	3.44	87.4	150	1.03	30.0	762	3.0	76	1.45	.67	100 ft.	X	4688-1734	
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	
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	

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. (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.	
2	50.8	2.38	60.5	150	1.03	30.0	762	2.0	50.8	.92	.44	100 ft.	X	4688-2040	
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	
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	
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	
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	
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	

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.

REMNAINT 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



Powering Progress.

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