

AIR AND MULTI-

PURPOSE



**Petroleum Transfer Hose** 

# Longhorn® (Specification 4688CC, 4688DC)

FOOD AND BEVERAGE	Smo	oth C	over	(4688	SCC)											
DEVENAUE	Nom. I.D.	$\Theta$	Nom. 0.D.		Max. W.P.	(MPa)	Suction		Min. Bend Radius		Wt. Per Ft.	(Kg)	Standard	Stock (X) or Minimum	Gates	List Price
MARINE	(In.) 1 1 1/4	(mm) 25.4 25.4 31.8	(In.) 1.50 1.50 1.75	(mm) 38.1 38.1 44.5	(psi) 150 150 150	1.03 1.03 1.03	(In. Hg) 30.0 30.0 30.0	(mm Hg) 762 762 762	(In.) 3.0 3.0 4.0	(mm) 76 76 102	(Lbs.) .54 .54 .71	.25 .25 .32	Pack 100 ft. 200 ft. 100 ft.	<b>Order Qty.</b> X 400 ft. X	Item No. 4688-1305 4688-0454 4688-1306	Per Ft. \$17.36 17.36 18.99
MATERIAL HANDLING	1 1/2 1 1/2 2 2 1/2 2 1/2 3	38.1 38.1 50.8 50.8 63.5 63.5 76.2	2.02 2.02 2.52 2.52 3.05 3.05 3.53	51.3 51.3 64.0 64.0 77.5 77.5 90.9	150 150 150 150 150 150 150	1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0	762 762 762 762 762 762 762 762	4.0 4.0 6.0 8.0 8.0 9.0	102 102 152 152 203 203 229	1.05 1.05 1.34 1.34 1.76 1.76 2.40	.48 .48 .61 .61 .80 .80 .80	100 ft. 200 ft. 100 ft. 200 ft. 100 ft. 200 ft. 100 ft.	X 400 ft. X 400 ft. X 400 ft. X	4688-1307 4688-1493 4688-1308 4688-1342 4688-1309 4688-0455 4688-1310	20.83 20.83 21.90 21.90 29.20 29.20 33.67
MINING	3 4 4 6	76.2 101.6 101.6 152.4	3.53 4.62 4.62 6.87	90.9 117.4 117.4 174.5	150 150 150 150	1.03 1.03 1.03 1.03 1.03	30.0 30.0 30.0 30.0 30.0	762 762 762 762 762	9.0 12.0 12.0 17.0	229 305 305 432	2.40 3.29 3.29 5.91	1.09 1.50 1.50 2.68	200 ft. 100 ft. 200 ft. 100 ft.	400 ft. X 400 ft. 200 ft.	4688-1343 4688-1311 4688-1344 4688-1465	33.67 47.60 47.60 114.24
		ugate	d Co Nom.		688 Max.	,			Min. Bend		Wt. Per			Stock (X)		List
OILFIELD	I.D. (In.)	(mm)	0.D. (In.)	(mm)	W.P. (psi)	(MPa)	Suction (In. Hg)	(mm Hg)	Radius (In.)	(mm)	Ft. (Lbs.)	(Kg)	Standard Pack	or Minimum Order Qty.	Gates Item No.	Price Per Ft.
PETROLEUM	2 3 4	50.8 76.2 101.6	2.52 3.53 4.64	64.0 90.9 117.9	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762 762	5.0 8.0 11.0	127 203 279	1.08 2.67 3.14	.49 1.21 1.43	100 ft. 100 ft. 100 ft.	X X X	4688-1351 4688-1352 4688-1353	\$21.90 33.67 47.60
TRANSFER	6 6 6	152.4 152.4 152.4	6.87 6.87 6.87	174.5 174.5 174.5	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	17.0 17.0 17.0	432 432 432	7.51 5.91 5.91	3.41 2.68 2.68	50 ft. 100 ft. 200 ft.	X 200 ft. 200 ft.	4688-1355 4688-1612 4688-1362	114.24 114.24 114.24
Pressure Washer	RI	ECOM		ED FO	f N: S a	or oilfiel Service li Iternativ	d service fe of tran e fuel app	truck use. sfer hoses plications,	can be ext	ended b orn® AF	by drainin Petrolei	ng hose um trai	es after use isfer hoses	other petroleu e. For bio-die may be used	sel and othe	r
STEAM				RATUR JCTIO	E: - N: 1 I	40°F to T <b>ube:</b> Reinforc	+180°F (-	-40°C to + Type C (N Synthetic,	82°C). War Nitrile). Bla high tensil	ning: D ck. e textile	Oo not co e with sto	nvey f eel wir	uels over 1 e helix.	20°F (+49°C	).	
WATER			COU	PLING	Ι	Cover: Design F 7, 26, 49		4:1	temperatur					upling Section	n.	
				KAGIN		U			ed in polye	2						
CLAMPS		CD		ANDIN	N	Aade In	U.S.A."		1		C			nsfer 150 PSI	, í	
COUPLINGS				2 ORDE EMENT	S: f	or sizes uantity.	above 4".	If a speci	al transfer	label is	required	, conta	ct Gates C	sizes throug orporation fo Customer Ser	r minimum	
and Ferrules	R	EMNA	NT LE	NGTH					nes availab nd availabi		pular siz	es at a	discount.	Contact Gates	s Corporatio	on for
			STAN	DARD	S: 1	lube:		ARPM (C	lass A) Hig	gh oil re	esistance.					

HOSE FINDER

CHEMICAL RESISTANCE TABLE





# Longhorn® AF (Alternative Fuel) (Specification 4688AC, 4688AF)

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

												AF)	(4688	over	oth C	mod
MARINE	List Price	Gates	Stock (X) or Minimum	Standard	Å	Wt. Per Ft.		Min. Bend Radius	$\bigcirc$	Suction	0	Max. W.P.	D	Nom. 0.D.	Θ	Nom. I.D.
	Per Ft.	Item No.	Order Qty.	Pack	(Kg)	(Lbs.)	(mm)	(In.)	(mm Hg)	(In. Hg)	(MPa)	(psi)	(mm)	(In.)	(mm)	(In.)
	\$19.09 19.09 20.89	4688-1700 4688-1701 4688-1702	X 400 ft. X	100 ft. 200 ft. 100 ft.	.27 .27 .32	.59 .59 .70	76 76 102	3.0 3.0 4.0	762 762 762	30.0 30.0 30.0	1.03 1.03 1.03	150 150 150	38.1 38.1 44.5	1.50 1.50 1.75	25.4 25.4 31.8	1 1 1 1/4
MATERIAL	20.89	4688-1703 4688-1704	400 ft. X	200 ft. 100 ft.	.32 .40	.70 .87	102 102	4.0	762 762	30.0 30.0	1.03	150 150	44.5 51.3	1.75 2.02	31.8 38.1	1 1/4 1 1/2
HANDEING	22.91 22.91	4688-1705	400 ft.	200 ft.	.40	.87	102	4.0	762	30.0	1.03	150	51.3	2.02	38.1	1 1/2
	24.09 24.09	4688-1706 4688-1707	X 400 ft.	100 ft. 200 ft.	.50 .50	1.10 1.10	152 152	6.0 6.0	762 762	30.0 30.0	1.03 1.03	150 150	64.0 64.0	2.52 2.52	50.8 50.8	2 2 2 1/2
MINING	32.13 32.13	4688-1708 4688-1709	X 400 ft.	100 ft. 200 ft.	.67 .67	1.47 1.47	203 203	8.0 8.0	762 762	30.0 30.0	1.03 1.03	150 150	77.5 77.5	3.05 3.05	63.5 63.5	2 1/2 2 1/2
	37.04 37.04	4688-1710 4688-1711	X 400 ft.	100 ft. 200 ft.	.85 .85	1.86 1.86	229 229	9.0 9.0	762 762	30.0 30.0	1.03	150 150	89.7 89.7	3.53 3.53	76.2 76.2	3
	52.36	4688-1712	Х	100 ft.	1.18	2.59	305	12.0	762	30.0	1.03	150	116.1	4.57	101.6	4
OILFIELD	52.36	4688-1713	400 ft.	200 ft.	1.18	2.59	305	12.0	762	30.0	1.03	150	116.1 ver (4	4.57	101.6	4
	List		Stock (X)		Å	Wt. Per		Min. Bend	$\frown$			Max.		Nom.	-	lom.
	Price Per Ft.	Gates Item No.	or Minimum Order Qty.	Standard Pack	(Kg)	Ft. (Lbs.)	(mm)	Radius (In.)	(mm Hg)	Suction (In. Hg)	(MPa)	W.P. (psi)	(mm)	0.D. (In.)	(mm)	I.D. (In.)
PETROLEUN TRANSFER	\$19.09	4688-1718	X	100 ft.	.27	.59	76	3.0	762	30.0	1.03	150	38.1	1.50	25.4	1
	19.09 20.89	4688-1719 4688-1720	400 ft. X	200 ft. 100 ft.	.27 .32	.59 .70	76 102	3.0 4.0	762 762	30.0 30.0	1.03 1.03	150 150	38.1 44.5 44.5 51.3	1.50 1.75	25.4 31.8	1 1 1/4
	20.89	0 1.03 30.0 762 4.0 102 .70 .32 200 ft. 400 ft. 4688-1721 20.89 0 1.03 30.0 762 4.0 102 .87 .40 100 ft. X 4688-1722 22.91 0 1.03 30.0 762 4.0 102 .87 .40 200 ft. 400 ft. 4688-1722 22.91												1.75 2.02	31.8 38.1	1 1/4 1 1/2
PRESSURE	22.91	D   1.03   30.0   762   4.0   102   .87   .40   100 ft.   X   4688-1722   22.91     0   1.03   30.0   762   4.0   102   .87   .40   200 ft.   400 ft.   4688-1723   22.91     0   1.03   30.0   762   6.0   152   .59   .27   100 ft.   X   4688-1724   24.09													38.1	1 1/2
WASHER		0 1.03 30.0 762 4.0 102 .87 .40 200 ft. 400 ft. 4688-1723 22.91 0 1.03 30.0 762 6.0 152 .59 .27 100 ft. X 4688-1724 24.09 0 1.03 30.0 762 6.0 152 .59 .27 200 ft. 400 ft. 4688-1724 24.09												2.52 2.52	50.8 50.8	2 2
	32.13	50   1.03   30.0   762   6.0   152   .59   .27   100 ft.   X   4688-1724   24.09     50   1.03   30.0   762   6.0   152   .59   .27   200 ft.   400 ft.   4688-1725   24.09     50   1.03   30.0   762   8.0   203   1.47   .67   100 ft.   X   4688-1726   32.13												3.05	63.5	2 1/2
	32.13 37.04	4688-1727 4688-1728	400 ft. X	200 ft. 100 ft.	.67 .85	1.47 1.86	203 229	8.0 9.0	762 762	30.0 30.0	1.03 1.03	150 150	77.5 89.7	3.05 3.53	63.5 76.2	2 1/2 3
STEAM	37.04 52.36	4688-1729 4688-1730	400 ft. X	200 ft. 100 ft.	.85 1.18	1.86 2.59	229 305	9.0 12.0	762 762	30.0 30.0	1.03 1.03	150 150	89.7 116.1	3.53 4.57	76.2	3
	52.36	4688-1731	400 ft.	200 ft.	1.18	2.59	305	12.0	762	30.0	1.03	150	116.1	4.57	101.6	4
WATER		in also be us	use in the tr blends. It ca oils and othe	nd ethanol esel fuels,	hanol a ines, d	lends, et ial gasol	diesel b ommerc	diesel, bio- ansfer of co	ch as bio- e in the tr	e fuels su contact us	ternative onstant c	al co	ED FOI	MENDI	COMN	RE
					-	-		truck, termi can be ext				-	UTIO	C		
CLAMPS	Denver	). Contact D	20°F (+49°C	els over 1	nvey fi	o not co	ning: D	82°C). War	34°C to +	+180°F (-	80°F to -	E: -3	ATUR		TE	
				remes.	ire ext	temperati		4-5070 for		pplicatio						
COUPLINGS		boarder.	e and green l				e textile	Nitrile). Bla high tensil Modified N	Synthetic,		ube: einforce over: esign Fa	R C	JCTIO	NSTRU	CO	
AND FERRULES		n.	pling Section	Hose Cou	nce the	). Refere	es only	temperatur			0		PLING	COU		
			1 0				thylene	ed in polye	and wrapp	is coiled	ll length	G: A	AGIN	PACK		
	Е	WP FLAMI	SI (1.03MPa)	AF 150 PS	ORN®			ample: "GA					NDIN	BRA		
HOSE FIND		r minimum	sizes through orporation for Customer Serv	ct Gates C	, conta	required	abel is	al transfer l	If a speci	above 4".	or sizes a antity.	S: fà qu	ORDE MENT			
CHEMICAL RESISTANC			Contact Gates		-	-	e in po	-	re sometin	lengths a	emnant	S: R	NGTH	NT LE	EMNA	R
TABLE							iity.	ing available	nements a	iaci icqu	nemg, 0	P				







CHEMICAL

ACID-

AIR AND MULTI-PURPOSE

#### **Petroleum Transfer Hose**

# Longhorn® MegaFlex® (Specification 4688F Maximum Flexibility)

5000 AND																
FOOD AND BEVERAGE	Nom. I.D.	Θ	Nom. O.D.	Ũ	Max. W.P.	0	Suction	0	Min. Bend Radius	ſ?)	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price
	(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.
MARINE	1 1 1/2 2	25.4 38.1 50.8	1.41 1.90 2.39	35.8 48.3 60.7	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	1.0 1.5 2.0	25 38 51	.46 .65 .86	.21 .29 .41	100 ft. 100 ft. 100 ft.	X X X	4688-1732 4688-2031 4688-1733	\$19.09 22.91 24.09
	3 4 6	76.2 101.6 152.4	3.44 4.48 6.82	87.4 113.8 173.2	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	3.0 4.0 6.0	76 102 152	1.45 2.15 4.00	.67 1.04 1.81	100 ft. 100 ft. 100 ft.	X X X	4688-1734 4688-1735 4688-2033	37.04 52.36 125.66
Material Handling	RF	COMN	MENDI	ED FOI	f	or tank t	ruck, fuel							other petroleu exible, maxim		
			CA	UTIO	N: I	Drain hos	e after us	se.								
MINING				ATUR			`		,	ning: D	o not co	nvey f	uels over 1	20°F (+49°C	C).	
		CO	NSTRU	JCTIO	ŀ	lube: Reinforco	ement:		high tensile					wire helix.		
OILFIELD					I	Cover: Design F	actor:	4:1	Chloroprene			a spira	l stripe.			
OILI ILLD			COU	PLING	S: 7	, 26, 49	or 78. (fo	or ambient	temperatur	es only	.)					
				AGIN		U		11	ed in polye	2						
PETROLEUM			BRA	NDING		Continuo RANSF	us transfe ER 150 F	r label. Ex PSI (1.03 N	ample: "GA MPa) W.P. I	ATES® : MADE	LONGH IN USA	ORN®	MEGAFL	EX <sup>®</sup> PETRO	LEUM	
TRANSFER				ORDE MENT	S: is	s require	d, contact	t Gates Ĉo	rporation for	or minii	mum qua	ntity.	1	r size. If a sp Customer Ser		
PRESSURE WASHER	R	EMNA	NT LE	NGTH					nes availabl nd availabi		pular siz	es at a	discount.	Contact Gate	s Corporatio	on for
WASHEN			STAN	DARD	S: 1	ube:		ARPM (C	lass A) Hig	gh oil re	esistance.					
STEAM																
WATER																

CHEMICAL RESISTANCE TABLE

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CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER





## Arctic<sup>™</sup> Longhorn<sup>®</sup> MegaFlex<sup>®</sup>

(Specification 4688LT Maximum Flexibility)

Nom. I.D.	Θ	Nom. O.D.	Ū	Max. W.P.	0	Suction	0	Min. Bend Radius	P	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.
2	50.8	2.38	60.5	150	1.03	30.0	762	2.0	50.8	.92	.44	100 ft.	Х	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.	Х	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.	Х	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

4 101.6 4.49 114.0 15	i0 1.03 30.0	762	4.0	101.6	2.00	1.01	200 ft.	400 ft.	4688-2045	51.59	HANDLING
<b>RECOMMENDED FOR:</b>	Transfer of refine										
	ideal for tank true transfer hose is no down to -65°F.										MINING
<b>TEMPERATURE:</b>	-65°F to +180°F	-54°C to +	+82°C) cont	inuous s	ervice.						
CONSTRUCTION:	Tube: Reinforcement: Cover: Design Factor:	Synthetic.	NBR). Blacl , high tensil Chloroprene	e textile				iral stripe.			OILFIELD
COUPLINGS:	7, 26, 49 or 78. (	or ambien	t temperatur	es only	). Refere	ence the	e Hose Co	upling Sectio	on.		
PACKAGING:	All lengths coiled	and wrapp	ped in polye	thylene							PETROLEUM
<b>BRANDING</b> :	Continuous transf MPa) Made in US		xample: "G	ATES® /	ARCTIC	LON	IGHORN <sup>®</sup>	MEGAFLE	X® 150 PSI (	(1.03	TRANSFER
SPECIAL ORDER REQUIREMENTS:	Special production required, contact Specific cut lengt	Gates Corp	oration for	minimu	m quant	ity and	details.	1			PRESSURE
<b>REMNANT LENGTHS:</b>	Remnant lengths pricing, order req				pular siz	es at a	discount.	Contact Gate	es Corporatio	n for	WASHER
STANDARDS:	Tube:	ARPM (C	Class A) Hig	gh oil re	sistance						

PETROLEUM TRANSFER PRESSURE WASHER STEAM WATER

acid-Chemical

AIR AND

MULTI-PURPOSE

FOOD AND

BEVERAGE

MARINE

MATERIAL

CLAMPS

COUPLINGS

and Ferrules

HOSE FINDER

chemical Resistance Table



gates.com/industrialhose





AIR AND

ACID-CHEMICAL

MULTI-PURPOSE

FOOD AND BEVERAGE

#### **Petroleum Transfer Hose**

# Petroleum Drop 150SD MegaFlex® (Specification 4688RF Maximum Flexibility)

	Γ	Nom.	$\ominus$	Nom. 0.D.	Ī	Max. W.P.	0	Suction	$\bigcirc$	Min. Bend Radius	₽.	Wt. Per Ft.	Å		Stock (X)		List
MARINE		(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Standard Pack	or Minimum Order Qty.	Gates Item No.	Price Per Ft.
	ſ	2 2 3	50.8 50.8 76.2	2.45 2.45 3.44	62.2 62.2 87.4	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	2.0 2.0 3.0	50.8 50.8 76.2	.97 .97 1.65	.44 .44 .66	100 ft. 200 ft. 100 ft.	X 400 ft. X	4688-2011 4688-2012 4688-2015	\$37.97 37.97 48.71
MATERIAL HANDLING		3 4 4	76.2 101.6 101.6	3.44 4.48 4.48	87.4 113.8 113.8	150 150 150 150	1.03 1.03 1.03 1.03	30.0 30.0 30.0 30.0	762 762 762 762	3.0 4.0 4.0	76.2 101.6 101.6	1.46 2.22 2.22	.66 1.01 1.01	200 ft. 100 ft. 200 ft. 200 ft.	400 ft. X 400 ft.	4688-2015 4688-2016 4688-2017 4688-2018	48.71 48.71 65.68 65.68
		RE	COM	MENDI	ED FOI										roducts inclu		
MINING						0	peration	s and oil	field servi		e where	a super	flexibl	e, maximu	erminal loadii m kink resist		
					ATUR		80°F to -	+180°F (-	$34^{\circ}C$ to +	82°C) cont	inuous s	service.					
OILFIELD			CO	NSTRU	JCTIO	R	ube: einforce over: esign F	ement:	Synthetic,	NBR). Black high tensil Modified N	e textile				k spiral stripe	<b>.</b> .	
PETROLEUM				COU	PLING					es (78) can the Hos				groove ty	pe stems (49	) at tempera	tures
TRANSFER				PACK	AGIN	G: A	ll length	is coiled	and wrapp	ed in polye	thylene	•					
				BRA	NDIN			us transfe de in US.		ample: "G	ATES <sup>®</sup> ]	Petroleur	n Drop	0 150 SD N	MEGAFLEX®	® 150 PSI (1	.03
PRESSURE WASHER					ORDE MENT	S: re	quired,	contact G	ates Corp	oration for	minimu	m quant	ty and	details.	a special trai Customer Ser		
		R	EMNA	NT LE	NGTH					nes availabl nd availabi		pular siz	es at a	discount.	Contact Gate	s Corporatio	on for
STEAM				STAN	DARD	S: T	ube:		ARPM (C	lass A) Hig	sh oil re	sistance.					
WATER																	

CHEMICAL RESISTANCE TABLE

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER





Steer® (Specification 4688CN)

Nom. I.D.	Θ	Nom. O.D.	D	Max. W.P.	0	Suction	0	Min. Bend Radius	P	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price		
(In.)	(mm)	(ln.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.		
2 2 3	50.8 50.8 76.2	2.44 2.44 3.45	62.0 62.0 87.6	150 150 150	1.03 1.03 1.03					.92 .92 1.37	.42 .42 .62	100 ft. 200 ft. 100 ft.	X 400 ft. X	4688-1320 4688-1491 4688-1321	\$19.71 19.71 30.31	N	
3 4 4	76.2 101.6 101.6	3.45 4.51 4.51	87.6 114.6 114.6	150 150 150	1.03 1.03 1.03					1.37 2.03 2.03	.62 .92 .92	200 ft. 100 ft. 200 ft.	400 ft. X 400 ft.	4688-1530 4688-1322 4688-1531	30.31 42.84 42.84		
RI	ECOM		ED FOI	fc	or oilfiel	d service	truck use.	e			,		other petroleu e. For bio-die			M H/	
				al	ternativ	e fuel app	olications,	see Longho	orn® AF	Petroleu	um trai	nsfer hoses	may be used			-	
				bi	o-diesel	only if t	he exposu	re is interm	ittent a	nd the ho	ose is c	drained bet	ween uses.			м	
	TE	MPER	ATUR	<b>E:</b> -4	-40°F to +180°F (-40°C to +82°C). Warning: Do not convey fuels over 120°F (+49°C).												
	CO	NSTRU	UCTIO	N: T													
				C	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												
		COU	PLING	S: 7,	26, 49	or 78. (fo	or ambient	temperatur	res only	). Refere	nce the	e Hose Co	upling Sectio	n.			
		PACK	AGIN	G: A	11 length	ns coiled	and wrann	ed in polye	ethylene	- L							
		-	ANDING	G: C	ontinuo		r label. Ex		•		etroleu	m Transfer	Discharge 1	50 PSI (1.03	3MPa)	PE TF	
	SP	ECIAL	ORDE		pecial p	roduction	runs requ	ire minimu	m order	quantiti	es of 4	100 feet pe	r size. If a sp	ecial transfe	er label		
	REC	QUIRE	MENT					rporation f									
				S	pecific c	ut length	s available	e through th	ne Cut I	Length Pi	rogram	. Contact	Customer Ser	vice for det	ails.		
R	EMNA	NT LE	NGTH					nes availab nd availabi		pular siz	es at a	discount.	Contact Gate	s Corporatio	on for	PF W	
		STAN	DARD	S: T	ube:		ARPM (C	lass A) Hig	gh oil re	esistance.							
								, ,	-								

CHEMICAL AIR AND MULTI-PURPOSE

ACID-



123

STEAM

WATER

CLAMPS

Couplings And Ferrules

HOSE FINDER

chemical Resistance Table



AIR AND MULTI-

PURPOSE



#### **Petroleum Transfer Hose**

### **Maverick**<sup>TM</sup>

(Specification 4687R)

FOOD AND																
BEVERAGE	Nom. I.D.	Θ	Nom. 0.D.	Q	Max. W.P.	0	Suction	$\bigcirc$	Min. Bend Radius	E	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price
	(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.
MARINE	2 2 3	50.8 50.8 76.2	2.48 2.48 3.50	63.0 63.0 88.9	100 100 100	.69 .69 .69	30.0 30.0 30.0	762 762 762	4.0 4.0 6.0	102 102 152	1.11 1.08 1.71	.50 .49 .78	100 ft. 200 ft. 100 ft.	X 400 ft. X	4687-0251 4687-0200 4687-0252	\$19.32 19.32 29.70
	4	101.6	4.50	114.3	100	.69	30.0	762	11.0	279	2.38	1.08	100 ft.	Х	4687-0253	41.99
MATERIAL HANDLING	R	ECOMI		ED FOI AUTIOI	fo N: Se al	or oilfiel ervice li ternative	d service fe of tran e fuel app	truck use. sfer hoses plications,	can be ext	ended b orn® AF.	y drainir Petroleu	ig hose im trai	es after use 1sfer hoses	other petroleu e. For bio-die may be used ween uses.	sel and othe	r
		TF	EMPER	ATUR	E: -4	0°F to -	+180°F (-	40°C to +	82°C). War	ning: D	o not con	nvey f	uels over 1	20°F (+49°C		
MINING		CO	NSTRU	UCTIO	N: Tr R C	ube:	ement:	Type C (N Synthetic,	Vitrile). Bla high tensil	ck. e textile	e with ste	el wir	e helix.	e spiral stripe	,	
OILFIELD			COU	PLING	S: 7,	26, 49	or 78. (fo	or ambient	temperatur	es only	). Refere	nce the	e Hose Co	upling Sectio	n.	
			PACK	AGIN	G: A	ll length	ns coiled	and wrapp	ed in polye	thylene						
PETROLEUM			BRA	ANDING		ontinuo lade In		r label. Ex	ample: "G	ATES® 1	Maverick	™ Petr	oleum Tra	nsfer 100 PS	(.69MPa)	WP
TRANSFER				ORDE	S: is	require	d, contact	t Gates Co	rporation for	or minii	num qua	ntity.		r size. If a sp Customer Ser		
PRESSURE	ŀ	REMNA	NT LE	NGTH					nes availabl nd availabi		pular size	es at a	discount.	Contact Gate	s Corporatio	on for
WASHER			STAN	DARD	S: T	ube:		ARPM (C	lass A) Hig	gh oil re	sistance.					



WATER

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE





Super-Vac<sup>™</sup> (Specification 4688V, 4688VN)

												(Speen		,		
Smoo	oth C	over	(4688	BVN)												FOOD AND BEVERAGE
Nom. I.D.	Θ	Nom. O.D.	Ū	Max. W.P.	0	Suction	0	Min. Bend Radius	P	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price	DEVENAUE
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.	
2 3 4	50.8 76.2 101.6	2.47 3.52 4.52	62.7 89.4 114.8	150 150 100	1.03 1.03 .69	30.0 30.0 30.0	762 762 762	4.0 6.0 8.0	102 152 203	.99 1.76 2.29	.45 .80 1.04	100 ft. 100 ft. 100 ft.	400 ft. 400 ft. 400 ft.	4688-1496 4688-1497 4688-1498	\$18.54 27.37 36.63	MARINE
Corru	ugate	d Co	ver (4	<b>1688</b> \	/)											
Nom. I.D.	Θ	Nom. O.D.	D	Max. W.P.	0	Suction	0	Min. Bend Radius	(Pr)	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price	MATERIAL HANDLING
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.	
1 1 1/4 1 1/2	25.4 31.8 38.1	1.42 1.68 1.97	36.1 42.7 50.0	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	3.0 3.0 3.0	76 76 76	.52 .67 .77	.24 .30 .35	100 ft. 100 ft. 100 ft.	X X X	4688-0651 4688-0653 4688-0656	\$13.06 13.85 15.06	
2 2 2 1/2	50.8 50.8 63.5	2.47 2.47 2.99	62.7 62.7 75.9	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	4.0 4.0 5.0	102 102 127	.99 .94 1.52	.45 .43 .69	100 ft. 200 ft. 100 ft.	X 400 ft. X	4688-0665 4688-0668 4688-0675	18.54 18.54 24.00	MINING
3 4 6	76.2 101.6 152.4	3.52 4.52 6.67	89.4 114.8 169.4	150 100 60	1.03 .69 .41	30.0 30.0 30.0	762 762 762	6.0 8.0 18.0	152 203 457	1.89 2.47 4.56	.86 1.12 2.07	100 ft. 100 ft. 20 ft.	X X X	4688-0680 4688-0690 4688-0697	27.37 36.63 61.03	OILFIELD
6 6	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. 4688-1613 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. 4688-1613 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															
	<b>RECOMMENDED FOR:</b> Tank truck service, including oilfield vacuum truck, where full suction or rated working pressures are															TRANSFER
	TF	MPEF	RATUR		40°F to 20°F (+4		-40°C to +	82°C) cont	inuous	service.	NOTE	Diesel fue	el normally c	onveyed bel	ow	PRESSURE WASHER
	CO	NSTRU	UCTIO	R C	ube: leinforce lover: lesign F		Synthetic,	Vitrile). Bla high tensil SBR). Black	le textil	e with st gated wit	eel wii h blue	e helix. spiral strip	be.			STEAM
		COU	PLING	<b>S:</b> 6	, 7 or 78	8. (for am	bient temp	peratures or	nly). Re	ference t	he Ho	se Couplin	g Section.			
		PACE	AGIN	G: A	ll lengtl	ns coiled	and wrapp	ed in polye	ethylene							
		BRA	ANDIN		ontinuo Iade In		r label. Er	ample: "G	ATES®	Super-Va	ic™ Oil	Field Vac	uum 150 PSI	(1.03MPa)	WP	WATER
			A ORDE	'S: fo q	or sizes a uantity.	above 4".	If a speci	al transfer	label is	required	, conta	ict Gates C	r sizes throug orporation fo Customer Ser	or minimum		CLAMPS
R	EMNA	NT LE	NGTH					nes availab nd availabi		pular siz	es at a	discount.	Contact Gate	s Corporatio	on for	
		STAN	DARD	S: T	ube:		ARPM (C	Class B) Me	edium o	il resista	nce.					COUPLINGS AND

FERRULES

acid-Chemical

AIR AND MULTI-PURPOSE

HOSE FINDER

chemical Resistance Table







AIR AND MULTI-PURPOSE

#### **Petroleum Transfer Hose**

# Super-Vac<sup>TM</sup> MegaFlex<sup>®</sup> (Specification 4688VF)

FOOD AND	No	om.		Nom.	9	Max.	0		<u> </u>	Min. Bend		Wt. Per	٥				
BEVERAGE		I.D.	θ	0.D.	D	W.P.	0	Suction	0	Radius		Ft.	$\Box$	Standard	Stock (X) or Minimum	Gates	List Price
	(	ln.)	(mm)	(ln.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.
MARINE		2 2 3	51.0 51.0 76.0	2.39 2.39 3.47	60.7 60.7 88.1	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	2.0 2.0 3.0	51 51 76	.83 .83 1.53	.38 .38 .69	100 ft. 200 ft. 100 ft.	X 400 ft. X	4688-2104 4688-2105 4688-2107	\$20.39 20.39 30.11
MAININE		4 4	102.0 102.0	4.52 4.52	114.8 114.8	100 200	.69 1.38	30.0 30.0	762 762	4.0 4.0	102 102	1.94 2.12	.88 .88	100 ft. 100 ft.	X X	4688-2108 4688-2109	40.29 44.32
MATERIAL Handling		RE	COMN		ED FOI	h d	andling o iesel fue	crude oil, ls, and se	salt and f wage tran	resh water, sfer.	tank bo	ottoms, d	rilling	mud, dilut	required. Idea e solutions of UCH AS GA	f hydrochloi	ric acid,
						D	IESEL.	DRAIN	HOSE AF	FER USE.							
MINING					ATUR			`		82°C) conti		service.					
			CO	NSTRU	UCTION		ube: einforce			BR). Black high tensil		with du	al stee	l wire heli	v		
OILFIELD						C	over: esign Fa			BR). Black							
UILFIELD				COU	PLING	S: 7	, 49 or 7	3. (for a	nbient ten	peratures o	only). R	eference	the Ho	ose Couplin	ng Section.		
				PACK	AGIN	G: A	ll length	s coiled	and wrapp	ed in polye	thylene						
PETROLEUM				BRA	NDING				r label. Ex Iade In U.		ATES® 3	SUPER-	VAC™	MEGAFL	EX <sup>®</sup> Oil Field	l Vacuum 1	50 PSI
TRANSFER					ORDE MENT		lue cove er size. I	er (Type C For price.	C2, Modifi add 10%	ed Nitrile) (x1.10) to	is made price	to order	r and r	equires mi	nimum order	quantity of	400 ft
PRESSURE WASHER				-		S fc q	pecial pr or sizes a uantity.	oduction above 4".	runs requ If a speci	ire minimui al transfer l	m order abel is	required.	, conta	ct Gates C	sizes throug orporation fo Customer Ser	r minimum	
		Rŀ	EMNA	NT LE	NGTH					nes availabl nd availabi		pular siz	es at a	discount.	Contact Gates	s Corporatio	on for
STEAM				STAN	DARD	S: T	ube:		ARPM (C	lass B) Me	dium oi	l resistar	nce.				
<b>UTERM</b>																	
WATER																	

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE





Sea Horse<sup>®</sup> (Fuel Transfer) (Specification 4110SS)

Nom. I.D. (In.)	(mm)	Nom. 0.D. (In.)		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.	FOOD AND BEVERAGE
2 2 1/2 3	50.8 63.5 76.2	2.66 3.16 3.70	67.6 80.3 94.0	300 300 300	2.07 2.07 2.07 2.07	10.0 10.0 10.0 10.0	254 254 254 254	14.0 17.0 21.0	356 432 533	1.78 2.16 2.45	.64 .77 .98	200 ft. 200 ft. 200 ft.	X 400 ft. X	4110-0701 4110-0704 4110-0707	\$37.40 46.43 53.03	MARINE
4 5	101.6 127.0	4.70 5.84	119.4 148.3	300 300	2.07 2.07	10.0 10.0	254 254	28.0 35.0	711 889	3.14 4.50	1.27 1.88	200 ft. 200 ft.	X X	4110-0710 4110-0713	65.69 97.44	
RF	ECOMN	4ENDI	ED FO	oi pe ai	ffshore/o etroleum nd a sma	nshore tr products all minim	ansfer app where ar um bend i	lications in extremely	volving lightwo juired.	discharg eight, flez Transfer	ge serv kible h of wat	ice for die ose with a er, petrolei	r petroleum p sel oils and o high rated w um based flui fracing.	ther similar orking pres	sure	MATERIAL HANDLING
		CA	AUTIO	bo us Ti	e used w ses. ransfer h	vith all gr	ades of bi designed	o-diesel on for intermit	ly if the	e exposu	e is in	termittent	Petroleum tr and the hose d must be dra	is drained b	between	MINING
not convey fuels over $120^{\circ}$ F (+49°C). <b>TEMPERATURE:</b> -40°F to +180°F (-40°C to +82°C) continuous service.															OILFIELD	
	CO	NSTRU	JCTIO	R C	ube: einforce over: esign Fa		Synthetic,	Nitrile). Bla high tensil Neoprene). I	e textil							PETROLEUM
		COU	PLING	<b>S:</b> 14	4, 15, 71	all sizes	s. 26 2" ar	nd 2 1/2" or	nly. Ref	erence th	e Hose	e Coupling	Section.			TRANSFER
		PACK	AGIN	G: 20	00' lengt	h coiled	and wrapp	bed in polye	ethylene							
		BRA	NDIN		ontinuou Iade In		r label. Ex	ample: "G	ATES®	SEA HO	RSE®	Fuel Trans	fer 300 PSI (	2.07MPa) V	VP	PRESSURE
SPECIAL ORDER 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. W													WASHER			
R	REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability. ST													STEAM		
		STAN	DARD	S: T	ube:		ARPM (C	Class A) Hig	gh oil re	esistance.						
																WATED

PRESSURE WASHER STEAM WATER CLAMPS COUPLINGS AND FERRULES HOSE FINDER CHEMICAL RESISTANCE TABLE

acid-Chemical

AIR AND Multi-

PURPOSE





acid-Chemical

AIR AND Multi-

PURPOSE

FOOD AND

BEVERAGE

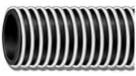


### Sea Horse® HW (Fuel Transfer Suction/ Discharge - Hardwall)

(Specification 4688SS)

MARINE	Nom		Θ	Nom.		Max. W.P.	Ø	Suction	$\bigcirc$	Min. Bend	(Fz)	Wt. Per	٨		Stock (X)		List
	I.E (In	_	(mm)	0.D. (In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	Radius (In.)	(mm)	Ft. (Lbs.)	(Kg)	Standard Pack	or Minimum Order Qty.	Gates Item No.	Price Per Ft.
MATERIAL HANDLING		2 3 4	50.8 76.2 101.6	2.78 3.86 4.87	70.6 98.0 123.7	300 300 300	2.07 2.07 2.07	30.0 30.0 30.0	762 762 762 762	10.0 18.0 24.0	254 457 610	1.60 2.59 3.52	.73 1.18 1.60	200 ft. 200 ft. 200 ft.	X X X	4688-0584 4688-0585 4688-0587	\$47.98 67.30 79.06
HANDLING		6 6	152.4 152.4	7.07 7.07	179.6 179.6	200 200	1.38 1.38	30.0 30.0	762 762	36.0 36.0	914 914	5.00 7.95	2.27 3.61	100 ft. 200 ft.	X 200 ft.	4688-0589 4688-0588	168.00 168.00
MINING	]	RE(	COMN	MENDI	ED FO	R: 7 f c r	Fransfer of or offsho other sim ated wor	re/onshor ilar petro king pres	re transfer leum prod sure and a	application ucts where small mini	s involv an extr imum b	ving suct emely lig end radi	ion and htweig us is re	d discharge ght, hardwa equired. Tra	ther petroleu e service for o all, flexible ho ansfer of wat ell stimulatio	diesel oils and one of the set of	nd igh n based
OILFIELD				CA	AUTIO	ե Ս Դ	be used v ises. Fransfer l	vith all gr	ades of bi	o-diesel onl for intermit	ly if the	e exposu	e is in	termittent	Petroleum tra and the hose d must be dra	is drained b	etween
PETROLEUM			ТЕ	MPER	ATUR			•		F (+49°C). 82°C) conti	inuous	service.					
TRANSFER					JCTIO	N: 1 I (	Fube: Reinforce Cover: Design F	ement:	Type C (I Synthetic,	Nitrile). Bla high tensil Neoprene). I	ck. e textile	e with st					
PRESSURE WASHER				COU	PLING		0			Hose Coupl	ing Sec	ction.					
				PACK	AGIN		U			ed in polye	•						
STEAM					ANDIN	(	2.07MPa	) WP Ma	de In U.S	.A."					vall Fuel Tran		
					ORDE MENT	S: f	or sizes a juantity.	above 4".	If a speci	al transfer l	abel is	required	, conta	ct Gates C	r sizes throug orporation fo Customer Ser	r minimum	
WATER		RF	EMNA	NT LE	NGTH					nes availabl ind availabi		pular siz	es at a	discount.	Contact Gate	s Corporatio	n for
CLAMPS				STAN	DARD	S: 1	ſube:		ARPM (C	Class A) Hig	sh oil re	esistance.					
Couplings And Ferrules																	
Hose Finder																	
CHEMICAL Resistance Table																	





### **Master-Flex® Fuel Delivery**

(Specification 7744)

acid-Chemical

AIR AND Multi-

PURPOSE

Nom. I.D.	Θ	Nom. O.D.	Ū	Max. W.P.*	0	Suction*	0	Min. Bend Radius	P	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price	FOOD AND BEVERAGE
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.	
3 4	76.2 101.6	3.76 4.79	95.5 121.7	65 65	.45 .45	28.0 28.0	711 711	6.0 8.0	152 203	1.71 2.44	.78 1.11	100 ft. 100 ft.	X X	7744-7103 7744-7104	\$45.42 58.31	
NOTE:	* Worki	ing Pres	sure an	d Suctio	on at +72	2°F (+22°C	).									MARINE
RF	COMN	MENDI	ED FO		ransfer uck use		rcial gasol	lines, diesel	fuel, o	ils and o	other po	etroleum p	roducts. Ideal	l for oilfield	service	
	TE	MPER	ATUR	<b>E:</b> -3	-30°F to +130°F (-34°C to +55°C) Warning: Do not convey fuels over 120°F (+49°C).									MATERIAL		
	CO	NSTRU	UCTIO	R	Reinforcement: Polyester fabric with static wire.								HANDLING			
				-	Cover:Type G (PVC). Black with yellow helix.Design Factor:4:1											
		COU	PLING	<b>S:</b> 6	6, 7, 49 or 78. Reference the Hose Coupling Section.											MINING
		PACK	AGIN	G: A	All lengths coiled and wrapped in polyethylene.											
		BRA	NDIN	G: U	Unlabeled.											
			ORDE MENT												OILFIELD	
R	EMNA	NT LE	NGTH	<b>S:</b> N	lone.											
																PETROLEUM TRANSFER



#### **Petroleum Transfer Hose**

### Master-Flex<sup>®</sup> Fuel Delivery Sleeve

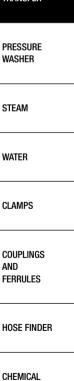
Nom. I.D.	Ð	Wt. Per Ea.	Å	Standard	Stock (X) or Minimum	Gates	List Price	
(In.)	(mm) (Lbs.)		(Kg)	Pack	Order Qty.	Item No.	Per Ea.	
3	76.2	5.13	2.33	3 ft.	1 ea.	7744-8103	\$67.86	
4	101.6	7.32	3.33	3 ft.	1 ea.	7744-8104	75.96	

INSTALLATION:

**ON:** 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.



RESISTANCE TABLE



acid-Chemical

AIR AND Multi-

PURPOSE

FOOD AND

BEVERAGE



**Petroleum Transfer Hose** 

### Master-Flex<sup>®</sup> Vapor Recovery

(Specification 7744)

		-	1	_			1			-									
MARINE	Nom. I.D. (In.)	(mm)	Nom. 0.D. (In.)	<u>‡O</u> (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.			
MANINE	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			
	23	50.8 76.2	2.43 3.54	61.7 89.9	5 5	.03 .03	_	_	2.0 3.0	51 76	.48 .69	.22 .31	100 ft. 100 ft.	X X	7744-7020 7744-7030	16.53 29.93			
MATERIAL	4 5 6	101.6 127.0 152.4	4.56 5.51 6.52	115.8 140.0 165.6	5 5 5	.03 .03 .03			4.0 5.0 6.0	102 127 152	.92 1.13 1.24	.42 .51 .56	100 ft. 100 ft. 100 ft.	X 1,000 ft. 1,000 ft.	7744-7040 7744-7050 7744-7060	44.25 52.28 85.32			
HANDLING					-		2°F (+22°C	).	0.0	102	1.21	.00	100 11.	1,000 11.	11111000	00.02			
	RI	ECOMI	MEND	ED FO									Master-Flex	x® Fuel Deliv	ery. Can al	so be			
MINING		TI	EMPEF	RATUR			for ducting, dust and light abrasive material handling. F to +140°F (-34°C to +60°C) continuous service.												
				UCTIO		Tube: Type U (Polyurethane). Clear.													
OILFIELD	Reinforcement: Rigid yellow PVC helix with copper static wire.   Cover: Type G (PVC). Clear with yellow helix.   Design Factor: N/A																		
			COU	PLING	<b>S:</b> 7	, 26, 49	or 78. Re	ference th	e Hose Cou	pling S	Section.								
PETROLEUM			PACK	KAGIN	G: 1	00' coile	ed and wra	apped in p	olyethylene										
TRANSFER			BRA	ANDIN	G: U	Unlabeled. Special production runs require minimum order quantities of 1,000 feet per size. No deviations allowed													
				L ORDE			roduction product.	runs requi	ire minimur	n order	quantitie	es of 1	,000 feet p	er size. No c	leviations al	llowed			
	R	EMNA	NT LF	ENGTH	<b>S:</b> N	lone.													
PRESSURE WASHER																			
OTFAM								8000	10	1000	000								
STEAM									1.	1. I. I. I.	101010								
								e) hann	Standy -	1111	1005								
WATER											NO MON								
											М	กตา	tor_]	Flex®	Va	nor			
CLAMPS	Peti	rolet	<b>1m</b> ]	Fran	sfer	Hos	se				TAT (	a51	101-1	LICA	vaj	μοι			
												F	<b>leco</b>	very	Sle	eve			
COUPLINGS	N	om.		_		Wt. Per		0											
AND		I.D.	_	Θ		Ea.		$\square$	Standa		or l	ock (X) ⁄linimur	n	Gates	Pr	ist ice			
FERRULES		(In.) 3		(mm) 76.2		(Lbs.) 5.13		(Kg) 2.33	Pack 3 ft.		Or	<b>der Qty.</b> 1 ea.		Item No. 7744-8030	-	• <b>Ea.</b> 7.86			
		4		101.6		7.32		3.33	3 ft.			1 ea.		7744-8040		5.96			
HOSE		IN	ISTAL	LATIO										iate lubricant					
FINDER									sleeve application and reduce possibility of damage to hose cover. Make sure to coupling insertion.										
	RI	ECOMI	MEND	ED FO		oft Gray urface.	y PVC sle	eve is des	igned to fit	Gates V	Vapor Re	covery	Hose and	provides a s	mooth band	ling			
					51	urrace.													
CHEMICAL Resistance																			
TABLE																			

130

Gates Corporation





## **Fuel Oil Delivery**

ACID-Chemical

AIR AND Multi-

PURPOSE

PETROLEUM

TRANSFER

PRESSURE

WASHER

STEAM

(Specification 3221FR) FOOD AND Nom. 0.D. Max W.P. Nom. Min. Bend Wt. Per Θ 0 ጭ ĮΟ Stock (X) List BEVERAGE  $\bigcirc$ Suction I.D. Radius Ft. or Minimum Order Qty. Standard Price Per Ft. Gates (MPa) (mm Hg) (Kg) Pack Item No. (In.) (mm) (In.) (mm) (psi) (In. Hg) (In.) (mm) (Lbs.) 2541 50 38.1 200 1.38 10.0 254 80 203 .58 .58 .58 .26 .26 .26 100 ft 3221-0410 \$15.21 25.4 1.50 38.1 1.38 254 254 203 203 3221-0411 3221-0412 8.0 125 ft 150 ft 15.21 10.0 200 10.0 80 MARINE 254 254 254 203 254 254 .58 .75 .75 38.1 .26 .34 .34 3221-0413 25.41.50 200 1.38 80 175 ft X 15 21 31.8 31.8 1.75 44.5 44.5 200 200 200 1.38 100 ft 125 ft 3221-0414 1 1/4 10.0 10.0 17.67 10.0 10.0 17 67 254 254 254 254 254 254 254 .34 .34 .39 44 5 1 1/4 .75 .75 .86 150 ft 3221-0416 31.8 1 75 200 1 38 17 67 1 1/4 31.8 1.75 1.87 44.5 47.5 200 200 1.38 10.0 10.0 175 ft 100 ft 3221-0417 3221-0418 17.67 MATERIAI 1 3/8 34.9 10.0 20.19 10.0 HANDLING 254 254 254 47.5 254 254 254 3221-0419 .86 .39 1 3/8 34.9 1.87 200 1.38 10.0 125 ft 20.19 1 3/8 34.9 1.87 47.5 47.5 200 1.38 10.0 10.0 .86 39 150 ft 175 ft 3221-0420 3221-0421 20.19 .39 1 3/8 34.9 1.87 200 10.0 10.0 .86 20.19 52.8 10.0 254 12.0 .95 100 ft 3221-0422 25.50  $1 \frac{1}{2}$ 38.1 2.08 200 1.38 305 .43 1 1/2 38.1 38.1 2.08 52.8 52.8 200 200 1.38 10.0 10.0 254 254 12.0 12.0 305 305 125 ft 150 ft 3221-0423 3221-0424 25.50 25.50 .95 .95 .43 .43 MINING 2.08 2.08 52.8 52.8 200 200 254 254 305 305 .43 .43 25.50 25.50 1 1/2 1 1/2 38.1 1.38 10.0 12.0 .95 175 ft. 3221-0425 200 ft 38.1 1.38 10.0 12.0 95 3221-0426 Fuel Oil Delivery Assemblies (Coupled with Internal Expansion Fittings Male/Female Swivel) OILFIELD Nom. Min. Bend Wt. Per Nom. List (

Max W.P. Θ  $\odot$ P Stock (X) or Minimum ŧС ID 0.D. Suction Radius Ea. Standard Gates Price Order Qty. (In.) (mm) (In.) (mm) (psi) (MPa) (In. Hg) (mm Hg) (Lbs.) (Kg) Pack Item No. Per Ea. (In.) (mm) 100 ft\_cold 1 50 64 20 3221-0075 \$2429.12 25.438.1 200 1 38 10.0 254 80 203 29 18 1 ea 1.50 34.32 25.4 38. 200 .38 10.0 254 8.0 203 75 50 125 ft. cpld ea 3221-0076 2662.56 90.00 25.4 38. 200 1.38 10.0 254 8.0 203 150 ft. cpld 1 ea. 3221-0077 2876.03 25.4 3176.93 1 50 38 200 1.38 254 8.0 104 50 47 50 175 ft cplo 3221-0078 1 ea 31.8 31.8 44.5 44.5 254 254 35.91 52.27 3221-0079 3221-0080 1 1/4 1 1/4 1.75 200 1.38 10.0 254 10.0 79.00 100 ft. cpld l ea. 3051.86 200 1.38 10.0 254 115.00 125 ft. cpld 3495.30 1.75 10.0 1 ea. 1 1/4 31.8 44.5 200 1.38 254 254 121.00 55.00 150 ft. cpld 3221-0081 3894.84 1 ea. 31.8 34.9 44.5 47.5 200 200 10.0 10.0 254 254 254 254 135.25 84.00 61.48 38.18 3221-0082 3221-0083 4299.21 3177.93 1 1/4 1.75 1.38 10.0 175 ft. cpld ea. 100 ft. cpld 1.38 1 3/8 1.87 10.0 1 ea.

10.0

10.0

10.0

12.0 12.0 12.0

254

254 254

254 254 254 254 254 254

305

305 305 104.00

137 10

140.50

100.00

123.75 135.00 47.27

62.32 63.86

45.45 56.25 61.36 125 ft. cpld

150 ft. cpld 175 ft. cpld

100 ft. cpld

125 ft. cpld 150 ft. cpld 1 ea.

ea.

1 ea.

1 ea.

ea.

1 ea.

38.1 200 12.0 12.0 305 305 171.25 77.84 175 ft. cpld 3221-0090 3221-0095 5738.81 52.8 1.38 254 254 1 ea. 1 1/2 2.08 1 38 10.0 200 ft. cpld 6362 48 1 ea 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 **RECOMMENDED FOR:** WATER 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). CLAMPS Type C (Nitrile). Black **CONSTRUCTION:** Tube: **Reinforcement:** High tensile synthetic textile cord. Type C4 (Carboxylated Nitrile). Red. Abrasion resistant and non-marking. Cover: **Design Factor:** 4:1 COUPLINGS **COUPLINGS:** 26 or 49. Reference the Hose Coupling Section. AND FERRULES 1" through 1 3/8": Packaged one length per carton. PACKAGING: 1 1/2": Packaged one length coiled and shrink wrapped on a pallet. 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." **BRANDING:** HOSE FINDER SPECIAL ORDER Special production runs require minimum order quantities of 25,000 feet for all sizes. **REOUIREMENTS: REMNANT LENGTHS:** None. **STANDARDS: Tube:** ARPM (Class A) High oil resistance.



34.9 34.9 34.9

38.1 38.1 38.1 1.87

1.87

1.87

2.08

2.08

47.5

47.5 47.5

52.8 52.8 52.8 200

200 200

200

200

200

1.38

1.38

1.38

1.38

1.38

1.38

10.0 10.0

10.0 10.0

1 3/8

1 3/8 1 3/8

 $1 \frac{1}{2}$ 

1 1/2

3221-0084

3221-0085

3221-0086

3221-0087

3221-0088 3221-0089 3636.93

4059.59 4739.12

3953.12

4529.63

5139.11



AIR AND MULTI-

PURPOSE



#### **Petroleum Transfer Hose**

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

OOD AND BEVERAGE	LP35	0															
	Nom. I.D.	$\Theta$	Nom. 0.D.	<u>10</u>	Max. W.P.		Suction	0	Min. Bend Radius	P	Wt. Per Ft.	<u> </u>	Standard	Stock (X) or Minimum	Gates	List Price	
RINE	(In.) 1 1/4 1 1/2 2	(mm) 31.8 38.1 50.8	(In.) 1.85 2.25 2.86	(mm) 47.0 57.2 72.6	(psi) 350 350 350	2.41 2.41 2.41	10.0 10.0 10.0	(mm Hg) 254 254 254	(In.) 10.0 12.0 14.0	(mm) 254 305 356	(Lbs.) .98 1.26 1.81	(Kg) .45 .57 .82	Pack Reel 60 ft. 60 ft.	Order Qty. X X X	Item No. 3220-0855 3320-0935 3320-0938	Per F \$32.6 41.6 53.1	
TERIAL	3 LP35	76.2 0 Po	3.88 wer C	98.6 Srimp	<u>350</u> • <b>Fe</b>		10.0 S	254	24.0	610	2.58	1.17	60 ft.	Х	3320-0934	89.	
NDLING	Si	ze (in)		Desc	ription	1	Wt. Po Ea. (Lb		Stock (X)	or Minim	um Order	Qty.	Gat	es Item No.	Lis Pric Each	e	
ling		1 1/2 1 1/2 2		24P0 32PCB		: TD	.80 .80 1.72	2		1 ea. (. 20 ea. 1 ea. (.	(X) X)		71 72	266-07345 266-0734 266-07335	\$91. 91. 114.	10 95	
	NOTE:	2 These fo	errules		BHB1F e used		1.72 2350 hose of			12 ea.	(X)			266-0733	114.	95	
.FIELD	RE	COM	MEND	ED FO		gas (not	t to exceed	50 psi) u		conditi	ions such			tures. Can be areas and w			
TROLEUM ANSFER			CA	AUTIO		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. -40°F to +180°F (-40°C to +82°C) continuous service. Warning: Do not convey LP Gas over 140°F											
		TE	EMPEF	RATUR		-40°F to (60°C).	o +180°F (	-40°C to +	+82°C) cont	inuous	service.	Warnin	g: Do not	convey LP G	as over 140	°F	
ESSURE Asher	CONSTRUCTION: Tube: Type A (Neoprene). 1 1/2", 2" and 3". Black.   Reinforcement: Reinforcement: Braided, high tensile synthetic textile cord.   Cover: Type A (Neoprene). Black. All sizes are perforated.   Design Factor: 5:1																
(EAM			COU	PLING		72 Gates Power Crimp <sup>®</sup> 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.											
			PACH	KAGIN		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.											
ATER			BRA	ANDIN	G:	Continuous molded strip brand label. Example: "GATES <sup>®</sup> LP350 LP-Gas Hose 2 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A."											
AMPS				2 ORDI EMENT	'S:	1/2" thr		ny other's						For 1 1/4" and production o			
	R	EMNA		ENGTH		None.											
UPLINGS D RRULES			STAN	NDARD		NFPA 5	GA-8.1-M8 8, Section rriters Labo	2-4.6.	tandard No.	. 21. (A	pplies to	all siz	es).				
DSE NDER																	
Hemical Esistance																	

TABLE





# LP350X (Butane-Propane) (Specification 3220SP)

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

Nom.		Nom.	2	Max.	_			Min. Bend	0	Wt. Per	<u>م</u>		011.00			FOOD AND
I.D.		0.D.		W.P.	(MDa)	Suction	(mm Ha)	Radius		Ft.		Standard	Stock (X) or Minimum	Gates Item No.	List Price Per Ft.	BEVERAGE
(In.) 1/4	(mm) 6.4	(In.) .58	(mm) 14.7	(psi) 350	(MPa) 2.41	(In. Hg) 30.0	(mm Hg) 762	(In.) 3.0	(mm) 76	.14	(Kg) .06	Pack Bulk	Order Qty. 3,700 ft. (X)	3220-1201	\$4.04	
1/4 3/8	6.4 9.5	.58 .74	14.7 18.8	350 350	2.41 2.41	30.0 30.0	762 762	3.0 3.0	76 76	.14 .21	.06	Reel Bulk	X 2,000 ft. (X)	3220-1200 3220-1203	4.49 5.22	MARINE
3/8 1/2	9.5 12.7	.74	18.8 23.1	350 350	2.41 2.41	30.0 25.0	762 635	3.0 5.0	76 127	.21 .28	.10	Reel Bulk	X 1,000 ft. (X)	3220-1202 3220-1205	5.81 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 3/4	19.1 19.1	1.23 1.23	31.2 31.2	350 350	2.41 2.41	20.0 20.0	508 508	6.0 6.0	152 152	.44 .44	.20 .20	Reel 100 ft.	X X	3220-1206 3220-1207	13.07 15.02	MATERIAL
3/4	19.1 19.1	1.23 1.23	31.2 31.2	350 350	2.41 2.41	20.0 20.0	508 508	6.0 6.0	152 152	.44	.20	125 ft. 150 ft.	X	3220-1208 3220-1209	15.02 15.02	HANDLING
1	25.4 25.4	1.51	38.4 38.4	350 350	2.41	15.0 15.0	381 381	8.0 8.0	203 203	.60 .66	.27 .30	Reel 100 ft.	X X X	3220-1210 3220-1211	16.43 18.89	
1	25.4	1.51	38.4	350	2.41	15.0	381	8.0	203	.60	.30 .27 .27	125 ft.	Х	3220-1212	18.89	
1														18.89	MINING	
<b>RECOMMENDED FOR:</b> 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).															
		CA	UTIO										compressed			OILFIELD
	vehicles. Contact Denver Product Application (303) 744-5070 for inspection and assembly testing information.															
	ТБ	MPER	ATUR				40°C to +	82°C) cont	inuous	service.	Warnin	g: Do not	convey LP G	as over 140	°F	
					б0°С).		10 0 10 1	02 0) 0011	indous			g. Do not			•	PETROLEUM TRANSFER
	CO	NSTRU	UCTIO		ube:			Nitrile). Bla		1						INANSFER
					einforce over:			ile synthetio Jeoprene). 1			are per	rforated.				
				D	esign F	actor:	5:1	1 /								PRESSURE
		COU	PLING			GLX <sup>®</sup> . D Section.	o not use	male swive	el, reusa	ble or O	-ring t	ype couplin	ngs. Referenc	e the Hose		WASHER
		PACK	AGIN		1 0		charad 3	700' in a na	llat car	ton Max	imum	10 pieces	Maximum of	6 piacas u	adar	
		IACE	AUIW	2	5'. Minii	num leng	gth 10'.	1				1		1		
						igh 1/2": es under		in 600' to 8	800' ree	ls. Maxi	mum 4	pieces. Or	ne length 25'	to 50'. Max	imum	STEAM
				3/	8" Bulk	Pack: Pa	ckaged 20	)00' in a pa	llet car	ton. Max	imum	10 pieces.	Maximum of	6 pieces u	nder	
						num leng		)00' in a na	llat car	ton Max	imum	10 pieces	All lengths in	, increment	of 25'	
						length 2		Joo in a pa	net car	ion. Max	IIIIuIII	to pieces.	All lenguis i	i merement	5 01 25.	WATER
								led in carto		М	2		1 (1.051)	501 411 4		
								of 2 pieces			um 3 p	neces. One	length 25' to	50°. All ou	her	
		BRA	NDIN									50X UL/C	GA TYPE 1	LP-Gas Ho	se 1	CLAMPS
								50 PSI WP								
			ORDE										. 3/4" and 1" requires a mi			
	RL.	ZOINL						(.15) to reel		5120 111 2	speeme	a lenguis i	lequites a mi	innum proc	luction	COUPLINGS
R	EMNA	NT LE	NGTH	<b>S:</b> N	one.											AND FERRULES
		STAN	DARD				86 Type 1.									
						Section		andard No.	21 (4	nnlies to	all siz	es)				
				0		LUIS LUUU	14101103 51	unduru 140.	21. (A	PPILES 10	un 51Z					HOSE FINDER

CHEMICAL RESISTANCE TABLE







# LPG Vapor (Specification 3220E)

FOOD AND Beverage	[	Nom. I.D.	Θ	Nom. O.D.	Q	Max. W.P.	0	Suction	0	Min. Bend Radius	(Fr)	Wt. Per Ft.	Â	Standard	Stock (X) or Minimum	Catao	List Price
		(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Gates Item No.	Per Ft.
MARINE		3/16 1/4 3/8	4.8 6.4 9.5	.44 .53 .66	11.2 13.5 16.8	125 125 125	.86 .86 .86	30.0 30.0 25.0	762 762 635	2.0 3.0 3.0	51 76 76	.08 .11 .14	.04 .05 .06	Reel Reel Reel	X X X	3220-0451 3220-0456 3220-0461	\$1.80 1.88 2.72
		RE	COM	MENDI	ED FOI					ying low pr ace heaters.		LPG (va	por on	ly) to many	y types of fai	m and indus	strial
MATERIAL				CA	UTIO		0					in UL a	pprove	ed applianc	es such as ba	arbecue grill	s.
HANDLING					ATUR		-30°F to +150°F (-34°C to +66°C) continuous service. <b>Tube:</b> Type C (Nitrile). Black.										
MINING			CO	NSTRU	JCTIO	I	lube: Reinforc Cover: Design F		High tens	Mitrile). Blad ile synthetic Veoprene). H	textile	cord.					
				PACK	AGIN	G: 3	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'.										
OILFIELD				BRA	ANDIN		Continuous ink print label. Example: "GATES® LPG Vapor 3/8 Inch (9.5mm) 125 PSI (.86MPa) WP Made In U.S.A."										
			REC	QUIRE	ORDE MENT	S:	Special p	roduction	runs requ	ire minimu	n order	quantiti	es of 2	5,000 feet	per size.		
PETROLEUM TRANSFER		RI	EMNA		NGTH DARD		None. Jnderwri	ters Labo	oratories St	andard No.	569. (A	Applies to	o hose	assemblies	s only).		
											,						
PRESSURE																	
WASHER																	
STEAM																	
WATER																	
CLAMPS																	
GLAWF 3																	
COUPLINGS																	
AND																	
HOSE																	
FINDER																	
Chemical Resistance																	
TABLE																	
]																	

MULTI-

PURPOSE

ACID-CHEMICAL





### Blacksnake® (Curb Pump - Hardwall)

(Specification 3624)

acid-Chemical

AIR AND Multi-

PURPOSE

FOOD AND

BEVERAGE

Nom. I.D.	Θ	Nom. O.D.	Q	Max. W.P.	0	Suction	$\bigcirc$	Min. Bend Radius	P	Wt. Per Ft.	Å	Standard	Stock (X) or Minimum	Gates	List Price	
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)	Pack	Order Qty.	Item No.	Per Ft.	MARINE
5/8 3/4 1	15.9 19.1 25.4	1.00 1.13 1.38	25.4 28.7 35.1	150 150 150	1.03 1.03 1.03	30.0 30.0 30.0	762 762 762	6.0 6.0 8.0	152 152 203	.37 .42 .57	.17 .19 .26	Reel Reel Reel	X X X	3624-0001 3624-0002 3624-0003	\$8.52 8.94 13.13	
<u> </u>	<b>RECOMMENDED FOR:</b> Dispensing all types of commercial gasolines, or other petroleum based products, from service station														MATERIAL Handling	
	TE	MPER	RATUR	E: -	40°F to	+120°F (-	-40°C to +	49°C) cont	inuous	service.						
	CO	NSTRU	UCTIO	I	fube: Reinforc Cover: Design F	ement:	Braided, l	Vitrile). Bla nigh tensile PE). Black.	steel w		mooth	, 1" wrapp	ed.			MINING
		COU	PLING	<b>S:</b> 2	4. Refer	ence the	Hose Cou	oling Section	m.							
		PACK	KAGIN				-	00' per reel		num 5 pi	eces. I	Minimum 1	ength 12'.			OILFIELD
		BRA	ANDIN		Continuous transfer label. Example: "GATES® BLACKSNAKE® 3/4 Inch (19.1mm) 1 wire braid (UL) Listed Gasoline Hose Made In U.S.A."											
	REC	QUIRE	ORDI	'S:	Special production runs require minimum order quantities of 5,000 feet per size.											PETROLEUM TRANSFER
R	EMNA	NT LE	ENGTH	(S: 1	None.											
		STAN	JDARD		Jnderwri <b>fube:</b>	ters Labo		andard No. Elass A) Hig				S612-99 (0	Canada).			PRESSURE WASHER
																STEAM
																WATER
																CLAMPS

Couplings And Ferrules

Chemical Resistance Table