

# Smooth Bore LPG Hose

## Type 321



Application	Type 321 hoses are designed for long life and durability in dockside service transporting LPG at temperatures down to -30°C.		
Specification	BS EN 1762 : 2003 Type SD	Working / Burst Pressures	25 / 100 Bar

Hose Component	Description
Main Lining	Synthetic rubber compound for LPG service.
Bleeder cords	All polymer products allow gas to permeate through them. This hose include bleeder cords so that any trapped gas can safely vent out of the hose. Contact Dunlop Oil & Marine for further advice regarding this feature.
Main reinforcement	Multiple plies of high tenacity rayon cord designed for a combination of high strength and resistance to fatigue. Each layer is fully encapsulated in rubber to prevent abrasion with adjacent layers.
Embed wire	Helical stainless steel wire to resist collapse and crush loads
Holding ply	Textile reinforcement to increase adhesion between hose body and cover
Cover	Weathering and abrasion resistant rubber compound
Fittings	Built-in low temperature steel nipples with flanges to suit customer requirements

Hose Characteristics							
	2in.	3in.	4in.	6in.	8in.	10in.	12in.
Internal Diameter (mm)	50.8	76.2	101.6	152.4	203.2	254	304.8
Outside Diameter (mm) (nominal)	88	117	146	208	263	320	376
Hose Body Weight (kg/m)	5.8	9.2	13.6	26.3	36.3	51	67.7
Hose End Weight (kg/hose)	11	18	29	46	67	96	122
Min. Bend Radius (m)	0.3	0.46	0.6	0.9	1.2	1.5	1.8
Safe Working Tensile Load (tonnes)	1.8	3.2	5.3	9.9	18.1	25.4	27.3
Operating Temperature (all sizes)	-30°C to +70°C						
Electrical Continuity	Electrically continuous or discontinuous as required.						
<i>For alternative sizes, lining materials or pressure / temperature ratings please contact us.</i>							



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ContiTech Division  
 of Continental AG

## Petroleum Transfer Hose

# Gasflex® Curb Pump (Hard Wall) (Specification 3624)



Nom. I.D.		Nom. O.D.		Maxi. W.P.		Suction		Min. Bend Radius		Kg. Per	Standard Pack	Part No.
(In.)	(mm)	(In.)	(mm)	(psi)	(Mpa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(m.)	(m.)	
5/8	16.0	1.00	25.4	250	1.70	30.0	762	6.0	152.0	0.609	117	3624-0814
3/4	20.0	1.26	32.0	250	1.70	30.0	762	6.0	152.0	0.917	137	3624-0815
1	25.0	1.49	38.0	250	1.70	25.0	635	8.0	203.0	1.107	76	3624-0816

### Recommended for:

Dispensing all types of commercial petrol's, or other petroleum based products, from service station pumps.

Gasflex Curb Pump is a heavy duty hard wall hose which does not collapse in reel use or behind the nozzle in heavy duty service.

**Temperature:** -30°C to +49°C continuous service.

### Construction:

**Tube:** Nitrile. Black.

**Reinforcement:** Braided, high tensile steel wire.

**Cover:** Modified Nitrile. Black.

### Packaging:

**5/8":** Packaged 117m per reel.

**3/4":** Packaged 137m per reel

**1":** Packaged 76m per reel

### Branding:

Offset ink print.

Example:  16mm GASFLEX Petrol Pump Hose

AS 2683/2000 Type 4 grade 2 kind 1 and 2 WP 250PSI

MADE IN INDIA.

### Standards:

AS 2683/2000 Type 4 grade 2 kind 1 & 2

## Petroleum Transfer Hose

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



Nom. I.D.		Nom. O.D.		Maxi. W.P.		Suction		Min. Bend Radius	Kg. Per	Standard Pack	Part No.	
(In.)	(mm)	(In.)	(mm)	(psi)	(Mpa)	(In. Hg)	(mm Hg)	(In.)	(m.)	(m.)		
1 1/4	31.8	1.85	47.0	350	2.41	10.0	254	10.0	254	1.46	91	3220-0855
1 1/2	38.1	2.25	57.2	350	2.41	10.0	254	12.0	305	1.88	18	3320-0935
2	50.8	2.86	72.6	350	2.41	10.0	254	14.0	356	2.70	18	3320-0938
3	76.2	3.88	98.6	350	2.41	10.0	254	24.0	610	3.85	18	3320-0934

### Recommended for:

LP350 is designed to convey liquid or gaseous propane, butane, or a combination of the two.

Consumer applications include gas grills, heaters, torches, and other outdoor equipment. It can also be used as an industrial transfer hose and for natural gas under certain conditions such as open/outside areas and well ventilated factory buildings (if local building codes permit).

NOTE: Not recommended for residential or office buildings. Contact Gates Customer Service for inspection and assembly testing information.

LP350 is for LPG and natural gas applications only.

Do not use for anhydrous ammonia or refrigeration applications.

**Temperature:** --40°C to +82°C continuous service.

**Warning:** Do not convey LP Gas over +60°C

### Construction:

**Tube:** Type C (Nitrile) 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 only for 1-1/4"

Do not use male swivel, reusable or o-ring type couplings.

### Packaging:

**1 1/4":** Packaged in 82m to 100m reels.

Maximum 3 pieces. Minimum length 7m.

**1 1/2" through 3":** Packaged 18m in a carton.

**Branding:** Continuous transfer label.

Example:  GATES LP350 LP-Gas Hose 2

INCH DO NOT EXCEED 350 PSI WP Made In U.S.A.

### Standards:

Underwriters Laboratories Standard No. 21.

(Applies to all sizes). NFPA 58, Section 2-4.6.

# Petroleum Transfer Hose

## LP350X Butane-Propane (Specification 3220SP)



Nom. I.D.		Nom. O.D.		Maxi. W.P.		Suction		Min. Bend Radius		Kg. Per	Standard Pack	Part No.
(In.)	(mm)	(In.)	(mm)	(psi)	(Mpa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(m.)	(m.)	
1/4	6.4	0.58	14.7	350	2.41	30	762	3.0	76	0.16	213	3220-1200
3/8	9.5	0.74	18.8	350	2.41	30	762	3.0	76	0.23	213	3220-1202
1/2	12.7	0.91	23.1	350	2.41	25	635	5.0	127	0.33	213	3220-1204
3/4	19.1	1.23	31.2	350	2.41	20	508	6.0	152	0.66	107	3220-1206
3/4	19.1	1.23	31.2	350	2.41	20	508	6.0	152	0.66	30	3220-1207
3/4	19.1	1.23	31.2	350	2.41	20	508	6.0	152	0.66	38	3220-1208
3/4	19.1	1.23	31.2	350	2.41	20	508	6.0	152	0.66	45	3220-1209
1	25.4	1.51	38.4	350	2.41	15	381	8.0	203	0.89	91	3220-1210
1	25.4	1.51	38.4	350	2.41	15	381	8.0	203	0.89	30	3220-1211
1	25.4	1.51	38.4	350	2.41	15	381	8.0	203	0.89	38	3220-1212
1	25.4	1.51	38.4	350	2.41	15	381	8.0	203	0.89	45	3220-1213

### Recommended for:

LP350X is designed to convey liquid or gaseous propane, butane, or a combination of the two.

Consumer applications include gas grills, heaters, torches, and other outdoor equipment. It can also be used as an industrial transfer hose and for natural gas under certain conditions such as open/outside areas and well ventilated factory buildings (if local building codes permit).

NOTE: Not recommended for residential or office buildings. Contact Gates Customer Service for inspection and assembly testing information.

LP350X is for LPG and natural gas applications only.

Do not use for anhydrous ammonia or refrigeration applications.

**Temperature:** -40°C to +82°C continuous service.

**Warning:** Do not convey LP Gas over +60°C

### Construction:

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

**Reinforcement:** High tensile synthetic textile cord.

**Cover:** Type A (Neoprene). Black. All sizes are perforated.

**Couplings:** Gates GLX.

Do not use male swivel, reusable or o-ring type couplings.

### Packaging:

**1/4" through 1/2":** Packaged in 182m to 243m reels. Maximum 4 pieces. One length 7m to 15m. Maximum of 2 pieces under 30m.

**3/4" through 1":** Packaged in 91m to 121m reels. Maximum 3 pieces. One length 7m to 15m. All other lengths over 15m. Maximum of 2 pieces under 30m.

**3/4" and 1" Cut lengths:** Coiled in cartons.

**Branding:** Continuous molded strip brand label.

Example: LP350X UL/CGA TYPE 1 LP-Gas Hose  
1 INCH DO NOT EXCEED 350 PSI WP Made In U.S.A.

### Standards:

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



## SW387 HOT TAR & ASPHALT HOSE - NITRILE TUBE

- High temperature hose designed for hot tar, hot oil and unrefined petroleum products.
- Premium grade tube handles high temperatures up to 350°F. at intermittent service.
- Dual helix wire provides full vacuum capabilities.
- Specially formulated cover is heat and ozone resistant.

Caution: Do not use for continuous service or above 350°F.

Refer to SW327 for continuous service applications.

<b>Tube:</b>	Extruded heat resistant Nitrile.
<b>Reinforcement:</b>	Textile with dual wire helix.
<b>Cover:</b>	Nitrile.
<b>Temperature:</b>	-40° to +350°F. (Intermittent service only).



I.D.	O.D.	BEND RADIUS	WORKING PRESSURE PSI	WEIGHT LB/FT	VACUUM
1-1/2"	2-1/8"	6"	150	.95	Full
2"	2-5/8"	8"	150	1.39	Full
2-1/2"	3-3/8"	10"	150	1.82	Full
3"	3-3/4"	12"	150	2.38	Full
4"	4-13/16"	18"	150	3.66	Full

Contact HCD Flow Technology

[www.hcdflowtech.co.nz](http://www.hcdflowtech.co.nz)