

Marine Hose

4219G Fuel Line & Tank Vent Specification (4219G)



Nom. I.D.		Nom. O.D.		Maxi. W.P.		Suction		Min. Bend Radius		Kg. Per	Standard	Part No.
(In.)	(mm)	(In.)	(mm)	(psi)	(Mpa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(m.)	(m.)	
3/16	4.8	0.41	10.4	50	0.34	24.0	610	3.0	76.0	0.10	182	4219-0093
1/4	6.4	0.50	12.7	50	0.34	24.0	610	3.0	76.0	0.13	167	4219-0103
5/16	7.9	0.56	14.2	50	0.34	24.0	610	3.0	76.0	0.16	167	4219-0107
3/8	9.5	0.62	15.8	50	0.34	24.0	610	4.0	102.0	0.16	167	4219-0109
1/2	12.7	0.78	19.8	35	0.24	10.0	254	5.0	127.0	0.23	182	4219-0102
5/8	15.9	0.94	23.9	35	0.24	10.0	254	6.0	152.0	0.33	167	4219-0097

Recommended for:

4219G exceeds SAE 30R6 and SAE 30R7 and provides flexible connections between rigid fuel distribution lines and the vessel engine.

It can also be used in evaporative emission control systems and as a vent line.

NOTE: Not recommended for fuel injection systems.

Temperature: -40°C to +125°C continuous service.

Construction:

Tube: Type C (Nitrile). Black. Oil, petrol and gasohol resistant.

Reinforcement: Single ply of synthetic fibre.


Cover: Type C₂ (NBR/PVC). Black. Fuel, oil, ozone and high temperature resistant.

Packaging:

3/16" through 5/8": Packaged in 137m to 198m reels. Maximum 5 pieces. One piece 7m to 14m. All other pieces 14m and over.

Branding:

Continuous ink label.

Example:  4219G Fuel Line PCV/EEC 3/8 Inch (9.5mm) SAE 30R7 Made In U.S.A.

Standards:

Tube: RMA (Class A) High oil resistance.

Exceeds requirements of SAE 30R6 & SAE 30R7

AB SERIES AIR BRAKE HOSE

Computer-controlled manufacturing process virtually insures product uniformity.

- Superior EPDM rubber resists damaging effects of ozone and heat, plus harmful grease and oil common to air brake systems.
- Four spiral construction meets SAE J1402 specifications. Complies with DOT FMVSS 106 requirements.
- Flexible and kink-resistant.
- Designed to accept all styles of air brake couplings, including conventional brass and plastic couplings.

Temperature rating: -40°C to $+100^{\circ}\text{C}$

Packaging: 50 ft (15.2M) per carton or 250 ft (76.2M) reels
(maximum 3 pieces, shortest length 50 ft (15.2M) or greater).



CARTON	REEL	I.D.	WORK PRESS.
Part No.	Part No.	Inches	PSI
27240	28760	3/8	225
27241	28761	1/2	225

CHARTER® HEATER HOSE

Economically priced heater hose – yet affords long service life. Tested by Gates to assure reliability.

- Good resistance to high temperatures.
- Moderate resistance to oil and grease contamination.
- Good resistance to non-oil based coolant additives.
- Similar to SAE 20R3 Class D-2.

Temperature rating: –40°C to +125°C

CAUTION: Do not use for fuel or oil transfer applications.

Packaging: Individually 50ft (15.24m) cartons or 250ft (76.2m) reels.



CARTON		REEL		I.D.	WORK PRESS
Part No.	Part No.	Inches	MM	PSI	
28400	28403	1/2	12.7	60	
28401	28404	5/8	15.9	60	
28402	28405	3/4	19.0	50	

MPI/FUEL INJECTION HOSE - BULK REEL

Recommended for clamped hose applications on all fuel systems, including fuel injection systems. Not designed to replace coupled hose assemblies on fuel injected engines. Approved for use with leaded and unleaded gasoline, diesel fuel and gasoline blends of ethanol, methanol and ethers (up to maximum concentrations allowed by the EPA) and 100% methanol, ethanol or bio diesel (B100).

- Fluoroelastomer liner resists permeation and alcohol.
- Polyester braid reinforcement increases strength.
- Oil, heat, ozone and abrasion resistant cover.
- Meets SAE 30R9 requirements.

Maximum temperature to +150°C

Packaging: 10ft (3.5m) or 25ft (7.6m) cartons.

Intended for use with fuels where MTBE concentrations are no greater than 15% by volume.



CLAMSHELL	10 FOOT CARTON	25 FOOT CARTON	I.D.	I.D.	WORK PRESS
Part No.	Part No.	Part No.	Part No.	Inches	MM
27090	27082	27094	1/4	6.3	180
27091	27085	27095	5/16	8	180

GREEN STRIPE® VIBRAFLEX® COOLANT HOSE

For heavy-duty applications requiring short length hose that must absorb vibration and/or fitting misalignment. High flexibility reduces installation time and provides lower cost-per-mile operation.

- Oil and heat resistant nitrile tube.
- Oil, abrasion and heat resistant neoprene cover.
- Exceeds SAE J20 (Class B Tube and Class C Cover).
- Two-ply fabric reinforced.

Temperature rating: -40° to +100°C

CAUTION: Do not use for gasoline or diesel transfer applications.



	I.D. LENGTH	WORK PRESS
Part No.	Inches	PSI
23505	1 ¼ x 4	70
23505	1 ¾ x 5	70
23505	1 ½ x 5	70
23505	1 ¾ x 5	70
23505	2 x 3 ½	70
23505	2 x 4	70
23505	2 ¼ x 4 ½	70

	I.D. LENGTH	WORK PRESS
Part No.	Inches	PSI
23557	2 ¾ x 5	35
23505	2 ¾ x 6 ¼	35
23505	2 ½ x 4 ¼	35
23505	2 ½ x 6	35
23505	2 ¾ x 3 ¼	30
23505	2 ¾ x 4 ½	30
23505	2 ¾ x 5 ¾	30

	I.D. LENGTH	WORK PRESS
Part No.	Inches	PSI
23572	3 x 4	25
23575	3 x 7	25
23585	3 ½ x 5 ½	25
23002	4 x 5	25
23004	5 x 6	25
23005	5 ½ x 6	25
23006	6 x 5	25

VULCO-FLEX® II COOLANT HOSE

Redesigned Gates Vulco-Flex II will bend in almost any direction. It easily replicates the angles and planes of a wide variety of expensive original equipment coolant hose, for quick, easy, error-proof replacement.

- Improved sealing surface for greater leak resistance
- Increased flexibility for easier installation
- Internal wire spring resists hose collapse
- Heat and ozone resistant cover
- Better appearance
- Rated for SAE 20R5 Class D-2 performance
- High temperature rating up to +125°C

NOTE: Gates recommends replacing clamps each time a new coolant hose is installed.

CAUTION: Do not use for fuel or oil transfer applications.



1 1/8" (29)	
Part No.	Length mm
25150	305
25152	381
25154	457
25157	584

1 1/8" (29) - 1 1/4" (32)	
Part No.	Length mm
25180	483

1 1/4" (32)	
Part No.	Length mm
25250	240
25251	330
25252	381
25253	432
25254	470
25255	508
25257	584
25260	673
25262	762
25265	889
25269	1041

1 1/4" (32) - 1 3/8" (35)	
Part No.	Length mm
25284	660

1 1/4" (32) - 1 1/2" (38)	
Part No.	Length mm
25302	394
25305	492
25307	584
25309	660
25311	737
25321	1118

1 3/8" (35)	
Part No.	Length mm
25384	635

1 3/8" (35) - 1 1/2" (38)	
Part No.	Length mm
25409	660

1 3/8" (35) - 1 5/8" (41)	
Part No.	Length mm
25428	432

1 1/2" (38)	
Part No.	Length mm
25473	265
25474	305
25476	356
25477	394
25478	432
25480	508
25482	559
25484	635
25487	762
25490	889
25499	1219

1 1/2" (38) - 1 3/4" (44)	
Part No.	Length mm
25526	335
25527	381
25528	419
25530	508
25532	559
25535	686

1 1/2" (38) - 2" (51)	
Part No.	Length mm
25582	559

1 1/2" (38)	
Part No.	Length mm
25804	505
25806	589
25808	650

WINDSHIELD WASHER, VACUUM AND RADIATOR OVERFLOW TUBING

Ideal for windshield washers, and vacuum-operated accessories, and radiator over flow.

- Vacuum and kink resistant construction.

Temperature rating: -40°C to 125°C

Packaging: 50 Ft (15.2M) reel; One 250 Ft (76.2M) length per box.



50 FT REEL	250 FT REEL	I.D.	NIPPLE SIZE
Part No.	Part No.	Inches	Inches
27041	-	7/64	1/8
27042	27035	5/32	3/16
27043	27036	7/32	1/4

25 FT REEL	50 FT LENGTH	I.D.	NIPPLE SIZE
Part No.	Part No.	Inches	Inches
-	27044	1/4	5/16
27050	-	5/16	3/8
27053	-	3/8	7/16