4219BG Barricade [illegible] uel H

Formerly - Barricade™ C[illegible]eted E[illegible]

Color	Hose I.D.		[illegible]	
	(in)	(mm)		(mm)
Black	[illegible]			

RECOMMENDED FOR[illegible] road ve[illegible]

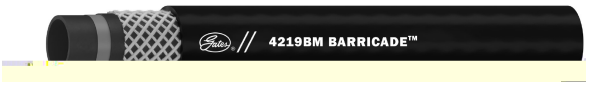
Type C1 (HNBR). Fuel resistant, synthetic rubber, black, with thermoplastic barrier.

Type J (CPE).

75

Exceeds SAE J30R14T2+ (except kink).
Meets Caterpillar CAT 1E4340 (Type A and B) diesel and Bio–Diesel specification.

4219BM Barricade™ Marine Fuel Hose



Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ea (Lbs.)	Length (ea)	Std. Pack	Pkg Code	Gates Item No.
Black	1/4	6.4	.65	16.6	35	2.4	24.0	5.25	4.00	25	CTN	T	4219-6340
Black	5/16	7.9	.71	18.1	35	2.4	24.0	5.75	4.50	25	CTN	T	4219-6341
Black	3/8	9.5	.74	18.8	35	2.4	24.0	6.0	5.10	25	CTN	T	4219-6342

RECOMMENDED FOR: USCG fire rated low permeation fuel line that is compatible with virtually all fuels in use today for marine applications with working pressures up to 35 PSI.

TEMPERATURE: –4°F to +212°F (–20°C to +100°C).

CONSTRUCTION:
Tube: Type C (Nitrile), Fuel resistant, synthetic rubber, black, with thermoplastic barrier.
Reinforcement: Synthetic textile.
Cover: Type C2 (Modified Nitrile), Synthetic rubber.
Design Factor: 5:1

COUPLINGS: Hose bead fitting fastened with hose clamps.

STANDARDS: Meets requirements of SAE J1527, USCG Type A1–15 Style R1.

Color	Ho… I.D. (in)					Length (ft)	Std. Pack	Pkg	

4219G Fuel Line (35-50)

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt				
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)					

rine M 40

e											
	(mm)										

C5M Marine Fuel Line Hose

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
Blue	1/4	6.4	.58	14.7	500	34.5	24.0	1.3	.21	385	REEL	E	3658-1965
Blue	5/16	7.9	.67	17.0	500	34.5	24.0	1.3	.27	385	REEL	E	3658-1969
Blue	13/32	10.3	.77	19.6	500	34.5	24.0	1.8	.33	330	REEL	F	3658-1973
Blue	1/2	12.7	.92	23.4	500	34.5	10.0	2.3	.40	275	REEL	F	3658-1977
Blue	5/8	15.9	1.08	27.4	500	34.5	10.0	2.8	.51	220	REEL	F	3658-1981
Blue	7/●												

ations.

TEMPERATURE: –4°F to +212°F (–20°C to +100°C) continuous service.

CONSTRUCTION:
Tube: Type C (Nitrile). Black. Oil and heat–resistant.
Reinforcement: One wire braid.
Cover: Type C2 (Modified Nitrile) 1/2" or below. Blue.
Type M (CSM) above 1/2". Blue.
Design Factor: 4:1

COUPLINGS: Brass or Carbon Steel C5 Field Attachable couplings reference Gates Hydraulic catalog 35093.

STANDARDS: SAE J1527, USCG Type A Class 1 Style R3, SAE J1942 HF Type B, SAE 30R2 performance (not construction and dimensi●

TERIAL HANDLING
MINING
OILFIELD
PETROLEUM
PRESSURE WASH AND WASHDOWN
STEAM
WATER
CLAMPS
COUPLINGS AND FERRULES
HOSE FINDER
CHEMICAL RESISTANCE TABLE

MIL Low Pressure Fuel and Oil Hose

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
Black	1/2	12.7	.84	21.3	250	17.2	—	5.0	.24	10	CTN	T	3336-0374
Black	3/4	19.1	1.09	27.7	250	17.2	—	6.0	.29	10	CTN	T	3336-0384
Black	1 1/4	31.8	1.52	38.6	200	13.8	—	10.0	.62	10	CTN	T	3336-0399
Black	1 1/2	38.1	1.77	45.0	200	13.8	—	12.0	.71	10	CTN	T	3336-0414
Black	1 1/2	38.1	1.77	45.0	200	13.8	—	12.0	.71	50	CTN	T	3336-1890
Black	1 3/4	44.5	2.02	51.3	150	10.3	—	16.0	.81	10	CTN	T	3336-0419
Black	2	50.8	2.27	57.7	150	10.3	—	20.0	.78	10	CTN	T	3336-0424
Black	2	50.8	2.27	57.7	150	10.3	—	20.0	.78	50	CTN	T	3336-1891
Black	2 1/4	57.2	2.52	64.0	100	6.9	—	20.0	1.01	10	CTN	T	3336-0429
Black	2 1/2	63.5	2.77	70.4	100	6.9	—	25.0	1.10	10	CTN	T	3336-0434
Black	2 1/2	63.5	2.77	70.4	100	6.9	—	25.0	1.10	50	CTN	T	3336-1897
Black	3	76.2	3.27	83.1	100	6.9	—	36.0	1.28	10	CTN	T	3336-0444
Black	3 1/2	88.9	3.81	96.8	90	6.2	—	42.0	1.82	10	CTN	T	3336-0459
Black	4	101.6	4.30	109.2	75	5.2	—	48.0	1.78	10	CTN	T	3336-0457

RECOMMENDED FOR: For use in fuel, oil, coolant, water and alcohol lines requiring MIL–DTL–6000.

CAUTION: This product is not intended or designed for use in any manned, rotor, or fixed–wing aircraft, even on an emergency or temporary basis.

TEMPERATURE: –40°F to +250°F (–40°C to +121°C). Coolant applications only.

CONSTRUCTION:
Tube: Type A (Chloroprene), Black.
Reinforcement: Braided, synthetic textile.
Cover: Type A (Chloroprene), Black.
Design Factor: 4:1

COUPLINGS: 19, 21 or 48. Reference the Hose Coupling Section.

STANDARDS: MIL–DTL–6000
QPL–6000–16. Test reference MOAMA (MONEB).

4175EC Coolant Hose

Formerly - 75W

Color	Hos												

D Coolant Hose

erly - 76W

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	M
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	
Black	7/8	22.2	1.38	35.1	175	12.1	15.0	
Black	1	25.4	1.51	38.4	175	12.1	10.0	
Black	1 1/8	28.6	1.63	41.4	175	12.1	10.0	
Black	1 1/4	31.8	1.76	44.7	125	8.6	10.0	
Black	1 3/8	34.9	1.88	47.8	110	7.6	10.0	
Black	1 1/2	38.1	2.01	51.1	112	7.7	10.0	
Black	1 5/8	41.3	2.13	54.1	106	7.3	7.0	
Black	1 3/4	44.5	2.26	57.4	100	6.9	5.0	
Black	1 7/8	47.6	2.38	60.5	94	6.5	4.0	
Black	2	50.8	2.51	63.8	88	6.1	3.0	
Black	2 1/4	57.2	2.76	70.1	88	6.1	1.0	
Black	2 3/8	60.3	2.88	73.2	81	5.6	—	
Black	2 1/2	63.5	3.01	76.5	75	5.2	—	
Black	2 5/8	66.7	3.13	79.5	69	4.8	—	
Black	2 3/4	69.9	3.26	82.8	63	4.3		
Black	2 7/8	73.0	3.38	85.9	63	4.3		
Black	3	76.2	3.51	89.2	63	4.3		
Black	3 1/2	88.9	4.01	101.9	50	3.4		
Black	4	101.6	4.51	114.6	38	2.6		

RECOMMENDED FOR: Engine coolant hose such as radiator a

CAUTION: Not for conveying fuel and oil.

TEMPERATURE: –40°F to +257°F (–40°C to +125°C) c

CONSTRUCTION: **Tube:** Type P (EP

4169A Coolant Hose

Color	Hose I.D. (in)	(mm)	Hose O.D. (in)	(mm)	Max. W.P. (psi)	(Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	
Black	3/4	19.1	1.14	29.0	150	10.3	8.0	10.0	.34	3	CTN	
Black	7/8	22.2	1.26	32.0	150	10.3	7.0	11.0	.38	3	CTN	
Black	1	25.4	1.39	35.3	135	9.3	7.0	12.0	.43	3	CTN	
Black	1 1/8	28.6	1.55	39.4	135	9.3	6.0	13.0	.48	3	CTN	
Black	1 1/4	31.8	1.64	41.7	135	9.3	5.0	14.0	.51	3	CT	
Black	1 3/8	34.9	1.76	44.7	100	6.9	4.0	25.0	.56	3	C	
Black	1 1/2	38.1	1.89	48.0	100	6.9	3.0	30.0	.60	3		
Black	1 5/8	41.3	2.02	51.3	85	5.9	2.0	—	.63	3		
Black	1 3/4	44.5	2.14	54.4	75	5.2	1.0	—	.68	3		
Black	1 7/8	47.6	2.26	57.4	75	5.2	—	—	.73	3		
Black	2	50.8	2.39	60.7	60	4.1	—	—	.77	3		
Black	2 1/8	54.0	2.52	64.0	60	4.1	—	—	.88	3		
Black	2 1/4	57.2	2.64	67.1	60	4.1	—	—	.93	3		
Black	2 3/8	60.3	2.76	70.1	60	4.1	—	—	.97	3		
Black	2 1/2	63.5	2.89	73.4	60	4.1	—	—	1.02	3		
Black	2 5/8	66.7	3.02	76.7	60	4.1	—	—	1.07			
Black	2 3/4	69.9	3.14	79.8	60	4.1	—	—	1.12			
Black	2 7/8	73.0	3.26	82.8	55	3.8	—	—	1.16			
Black	3	76.2	3.39	86.1	50	3.4	—	—	1.20			
Black	3 1/4	82.6	3.64	92.5	35	2.4	—	—	1.30			
Black	3 1/2	88.9	3.89	98.8	10	.7	—	—	1.40			
Black	4	101.6	4.39	111.5								

Green Stripe™ Coolant and Air Hose

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ea	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ea)			
Black	1	25.4	1.46	37.1	100	6.9	25.0	2.0	2.50	5	CTN	T	4685-2016
Black	1 1/8	28.6	1.58	40.1	100	6.9	25.0	2.5	5.30	5	CTN	T	4685-2018
Black	1 1/4	31.8	1.71	43.4	100	6.9	25.0	2.5	3.13	5	CTN	T	4685-2020
Black	1 3/8	34.9	1.83	46.5	85	5.9	25.0	3.0	3.25	5	CTN	T	4685-2022
Black	1 1/2	38.1	1.96	49.8	85	5.9	20.0	3.5	3.62	5	CTN	T	4685-2024
Black	1 5/8	41.3	2.08	52.8	75	5.2	20.0	3.5	3.88	5	CTN	T	4685-2026
Black	1 3/4	44.5	2.21	56.1	75	5.2	20.0	4.0	5.07	5	CTN	T	4685-2028
Black	1 7/8	47.6	2.33	59.2	60	4.1	20.0	4.5	5.24	5	CTN	T	4685-2030
Black	2	50.8	2.46	6									

Engine Coolant Silicone

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Co●	

4230T Coolant Hose

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
Black	5/16	7.9	.62	15.7	75	5.2	25.0	2.0	.15	700	CTN	FF	4230-0193
Black	3/8	9.5	.69	17.5	75	5.2	25.0	2.5	.17	500	CTN	YY	4230-0129
Black	1/2	12.7	.81	20.6	75	5.2	25.0	3.0	.23	700	CTN	FF	4230-0060
Black	5/8	15.9	.94	23.9	75	5.2	25.0	4.0	.25	300	CTN	FF	4230-0135
Black	3/4	19.1	1.06	26.9	75	5.2	25.0	5.0	.29	200	CTN	YY	4230-0134
Black	1	25.4	1.34	34.0	75	5.2	25.0	7.0	.40	600	CTN	YY	4230-0150

RECOMMENDED FOR: Engine coolant hose such as cab heater or oil cooler. Also suitable for air or water.

CAUTION: Not for conveying fuel and oil.

TEMPERATURE: –40°F to +257°F (–40°C to +125°C).

CONSTRUCTION:
Tube: Type P (EPDM), Black.
Reinforcement: Synthetic textile.
Cover: Type P (EPDM), Black.
Design Factor: 4:1

COUPLINGS: 1, 5, 6 or 7. Reference the Hose Coupling Section.

STANDARDS: SAE 20R3 Class D2 except hardness (70–85 Sore A durometer).

4663K Fuel Fill Hose - Corrugated

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Black	1 3/8	34.9	1.63	41.4	20	1.4	30.0	5.0	.38	10	CTN	T	4663-2828
Black	1 1/2	38.1	1.77	45.0	20	1.4	30.0	5.0	.41	10	CTN	T	4663-2830
Black	1 5/8	41											

Windshield Washer and Vacuum Tubing

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ea (Lbs.)	Length (ea)	Std. Pack	Pkg Code	Gates Item No.
Black	7/64	2.8	.22	5.6	25	1.7	24.0	1.5	1.00	50	CTN	T	4040-4101
Black	5/32	4.0	.31	7.9	25	1.7	24.0	1.5	2.24	50	CTN	T	4040-4104
Black	7/32	5.6	.42	10.7	25	1.7	24.0	2.0	3.66	50	CTN	T	4040-4107
Black	1/4	6.4	.45	11.4	25	1.7	24.0	2.0	3.95	50	CTN	T	4040-4110
Black	5/16	7.9	.50	12.7	25	1.7	24.0	2.5	1.74	25	CTN	T	4040-4112
Black	3/8	9.5	.63	16.0	25	1.7	24.0	3.0	3.60	25	CTN	T	4040-4113

RECOMMENDED FOR: Ideal for windshield washer systems and vacuum–operated accessories.

TEMPERATURE: –40°F to +257°F (–40°C to +125°C) continuous service.

CONSTRUCTION:
Tube: Type P (EPDM). Black. Heat–resistant.
Reinforcement: None.
Design Factor: NR

STANDARDS: Tested to SAE J1037.

Marine Master™ Plus Wet Exhaust (15-100) SD

Formerly - 4684CF (Wet Exhaust)

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Black	1	25.4	1.46	37.1	100	6.9	25.0	3.0	.51	10	STRT	T	4684-1540
Black	1 1/8	28.6	1.56	39.6	100	6.9	25.0	4.0	.56	10	STRT	T	4684-1545
Black	1 1/4	31.8	1.69	42.9	100	6.9	25.0	4.0	.61	10	STRT	T	4684-1551
Black	1 3/8	34.9	1.82	46.2	85	5.9	25.0	4.0	.66	10	STRT	T	4684-1556
Black	1 1/2	38.1	1.94	49.3	85	5.9	20.0	4.0	.70	10	STRT	T	4684-1561
Black	1 5/8	41.3	2.07	52.6	75	5.2	20.0	5.0	.75	10	STRT	T	4684-1601
Black	1 3/4	44.5	2.20	55.9	75	5.2	20.0	5.0	.80	10	STRT	T	4684-1[illegible]