

# GATES EXTEND™ Fuel Line Hose



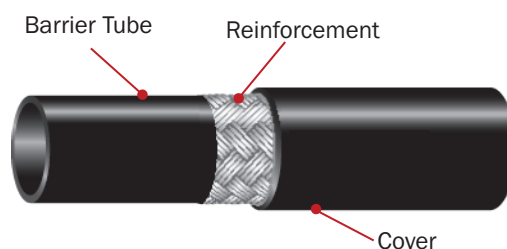
DRIVEN BY POSSIBILITY™



As a world class company with a legacy of 100 years of innovation and engineering excellence, Gates offers the most extensive range of superior quality hoses for automotive fuel line applications. Our fuel line hoses is the cutting-edge of fuel-efficient, environmentally-safe design, so your engine will perform with superior power.



## GATES EXTEND™ FUEL LINE HOSE STRUCTURE



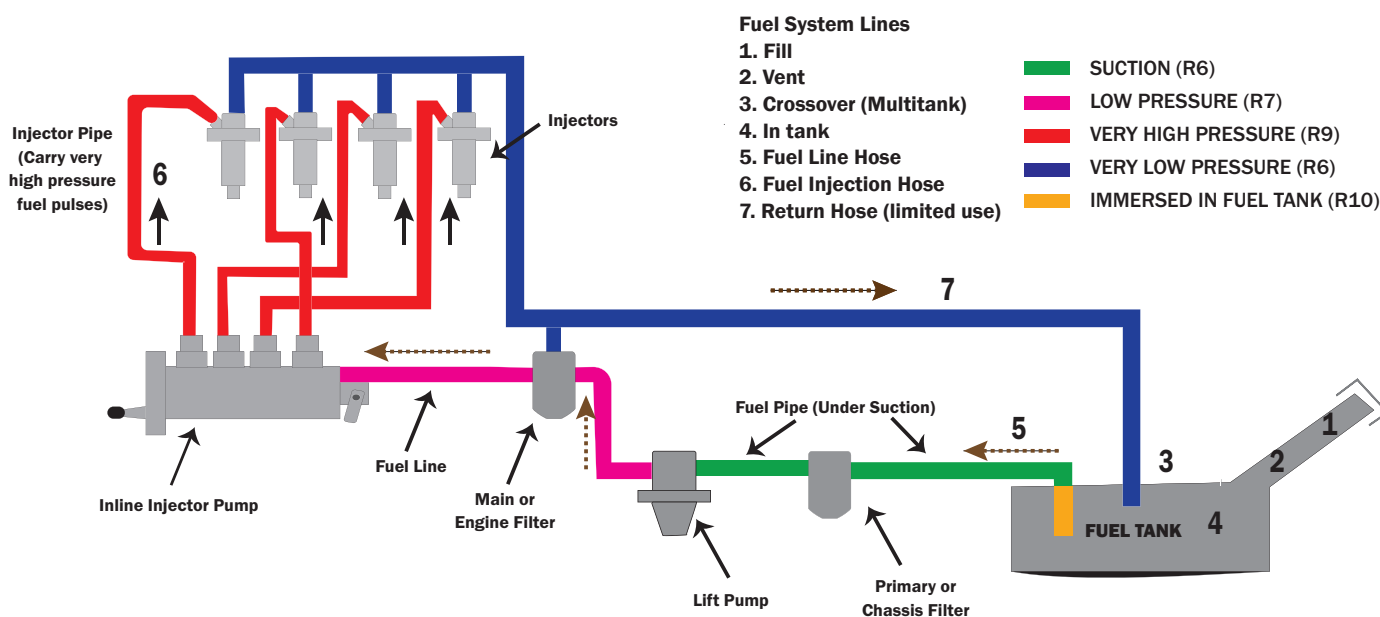
*(The product images shown are illustrative only and may not be an exact representation of the product.)*

**COVER:** Outstanding ozone, fire and heat resistance

**REINFORCEMENT:** Textile spiral weave provides best-in-class working PSI\*

**BARRIER TUBE:** Fortified to resist high heat and aggressive fuels

## Fuel System Flow Diagram



# GATES EXTEND™ FUEL LINE HOSE SPECIFICATION

## SAE J30 R6 Fuel Hose

SAE J30 R6 Fuel Hose is designed to carry automotive fuel and to operate in temperatures ranging from -30 °C to +100 °C. The hose is dual spiral wrap reinforced and conforms to SAE J30 R6.

**Recommended** for fuel suction and for general usage in contact with fuel.



(images for illustration purpose only)

Gates Part #	Internal Diameter		Length M	SPECIFICATION				
				Work Pressure		Burst Pressure		Temperature
	mm.	inch		PSI	BAR	PSI	BAR	Rating °C
30033	5.0	3/16	15	50	3.4	174	12	-30° to + 100°
30034	6.0	1/4	15	50	3.4	174	12	-30° to + 100°
30053	7.0	9/32	15	50	3.4	174	12	-30° to + 100°
30035	8.0	5/16	15	50	3.4	174	12	-30° to + 100°
30055	9.0	23/64	15	50	3.4	174	12	-30° to + 100°
30036	10.0	3/8	15	50	3.4	174	12	-30° to + 100°
30037	11.0	7/16	15	50	3.4	174	12	-30° to + 100°
30038	12.0	1/2	15	50	3.4	174	12	-30° to + 100°
30051	14.0	35/64	15	50	3.4	174	12	-30° to + 100°
30039	16.0	5/8	15	50	3.4	174	12	-30° to + 100°
30040	19.0	3/4	15	50	3.4	174	12	-30° to + 100°
30041	25.0	1.0	15	50	3.4	174	12	-30° to + 100°
30042	5.0	3/16	50	50	3.4	174	12	-30° to + 100°
30043	6.0	1/4	50	50	3.4	174	12	-30° to + 100°
30054	7.0	9/32	50	50	3.4	174	12	-30° to + 100°
30044	8.0	5/16	50	50	3.4	174	12	-30° to + 100°
30056	9.0	23/64	50	50	3.4	174	12	-30° to + 100°
30045	10.0	3/8	50	50	3.4	174	12	-30° to + 100°
30046	11.0	7/16	50	50	3.4	174	12	-30° to + 100°
30047	12.0	1/2	50	50	3.4	174	12	-30° to + 100°
30052	14.0	35/64	50	50	3.4	174	12	-30° to + 100°
30048	16.0	5/8	50	50	3.4	174	12	-30° to + 100°
30049	19.0	3/4	50	50	3.4	174	12	-30° to + 100°
30050	25.0	1.0	50	50	3.4	174	12	-30° to + 100°

## SAE J30 R7 Fuel Line Hose

SAE J30 R7 Fuel Line Hose is designed to run at higher pressures and temperatures than normal systems. The inner tube is made of NBR/PVC with an outer cover of CSM and reinforcing made of Kuralon. The hose conforms to Specs. SAE J30 R7.

**Recommended** for low pressure fuel line and suitable for ethanol blended gasoline (E20/E85)



(images for illustration purpose only)

Gates Part #	Internal Diameter		Length M	SPECIFICATION				
	mm.	inch		Work Pressure		Burst Pressure		Temperature
				PSI	BAR	PSI	BAR	Rating °C
30017	5.0	3/16	15	87	6	250	17	-35°to + 125°
30018	6.0	1/4	15	87	6	250	17	-35°to + 125°
30019	8.0	5/16	15	87	6	250	17	-35°to + 125°
30020	10.0	3/8	15	87	6	250	17	-35°to + 125°
30021	11.0	7/16	15	60	4	174	12	-35°to + 125°
30022	12.0	1/2	15	60	4	174	12	-35°to + 125°
30023	16.0	5/8	15	60	4	174	12	-35°to + 125°
30024	19.0	3/4	15	60	4	174	12	-35°to + 125°
30025	5.0	3/16	50	87	6	250	17	-35°to + 125°
30026	6.0	1/4	50	87	6	250	17	-35°to + 125°
30027	8.0	5/16	50	87	6	250	17	-35°to + 125°
30028	10.0	3/8	50	87	6	250	17	-35°to + 125°
30029	11.0	7/16	50	60	4	174	12	-35°to + 125°
30030	12.0	1/2	50	60	4	174	12	-35°to + 125°
30031	16.0	5/8	50	60	4	174	12	-35°to + 125°
30032	19.0	3/4	50	60	4	174	12	-35°to + 125°

# GATES EXTEND™ FUEL LINE HOSE SPECIFICATION

## SAE J30 R9 Fuel Injection Hose

SAE J30 R9 Fuel Injection Hose is designed to resist unleaded Fuel, Ethanol and Methanol blends. The inner tube is made by FKM and cover by Hypalon, withstands deterioration from oxidized gas which forms in fuel injection system. The hose meets or exceeds SAE J30 R9 Standard.

**Recommended** for high pressure fuel injection line and suitable for gasohol E10/E20/E85, diesel and bio-diesel.



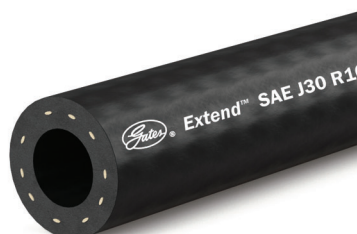
(images for illustration purpose only)

Gates Part #	Internal Diameter		Length M	SPECIFICATION				
	mm.	inch		Work Pressure		Burst Pressure		Temperature
				PSI	BAR	PSI	BAR	Rating °C
30001	5.0	3/16	15	100	7	500	34	-40° to + 135°
30002	6.0	1/4	15	100	7	500	34	-40° to + 135°
30003	8.0	5/16	15	100	7	500	34	-40° to + 135°
30004	10.0	3/8	15	100	7	500	34	-40° to + 135°
30005	11.0	7/16	15	100	7	500	34	-40° to + 135°
30006	12.0	1/2	15	100	7	500	34	-40° to + 135°
30007	16.0	5/8	15	100	7	500	34	-40° to + 135°
30008	19.0	3/4	15	100	7	500	34	-40° to + 135°
30009	5.0	3/16	50	100	7	500	34	-40° to + 135°
30010	6.0	1/4	50	100	7	500	34	-40° to + 135°
30011	8.0	5/16	50	100	7	500	34	-40° to + 135°
30012	10.0	3/8	50	100	7	500	34	-40° to + 135°
30013	11.0	7/16	50	100	7	500	34	-40° to + 135°
30014	12.0	1/2	50	100	7	500	34	-40° to + 135°
30015	16.0	5/8	50	100	7	500	34	-40° to + 135°
30016	19.0	3/4	50	100	7	500	34	-40° to + 135°

## SAE J30 R10 Submersible Fuel Line Hose

SAE J30 R10 Submersible Fuel Hose exceeds the SAE J30 R10 rating and is capable of handling gasoline, alcohol-extended gasoline or diesel fuel in fully immersed, mobile, stationary and marine applications.

**Recommended** for use on fuel pumps in fuel tank and suitable for gasoline, alcohol-extended gasoline or diesel fuel in fully immersed.



(images for illustration purpose only)

Gates Part #	Internal Diameter		Length M	SPECIFICATION				
	mm.	inch		Work Pressure		Burst Pressure		Temperature
				PSI	BAR	PSI	BAR	Rating °C
30057	6.0	1/4	15	100	7.0	500	34	max + 150°
30059	8.0	5/16	15	100	7.0	500	34	max + 150°
30061	10.0	3/8	15	100	7.0	500	34	max + 150°
30058	6.0	1/4	50	100	7.0	500	34	max + 150°
30060	8.0	5/16	50	100	7.0	500	34	max + 150°
30062	10.0	3/8	50	100	7.0	500	34	max + 150°



**DRIVEN BY POSSIBILITY™**

# SYMPTOMS OF A BAD OR FAILING FUEL LINE HOSE

Fuel line hoses are the rubber hoses in the fuel system that deliver fuel from the gas tank to the engine. The hoses are usually made of rubber that is reinforced by several layers that can properly hold the pressure generated by the vehicle's fuel system. While they are built for a long service life, over time fuel hoses can dry out or crack, and begin to leak. Aside from causing performance issues, any sort of fuel leak can also quickly become a safety hazard due to the high flammability of gasoline. Any sort of fuel leaks should be addressed as soon as possible. Usually a bad or failing fuel hoses will produce a few symptoms that can alert the driver of a potential issue.

## 1. Visible cracks along exterior of the hose

One of the first symptoms of a potential issue with the vehicle's fuel hoses is visible cracks along the exterior of the hose. Over time, as the vehicle is driven, the hoses can become dried out, and begin to crack. Cracked hoses will not be able to hold the fuel system pressure as reliably as hoses that are in good condition, and will be more susceptible to leaks.

## 2. Fuel smell

Another symptom of an issue with the fuel hoses is a gasoline odor from the vehicle. Over time fuel hoses can wear out and break down, and leak. Small leaks will cause the vehicle to emit fuel vapors which may cause a noticeable odor. Small leaks that produce a fuel odor will also eventually grow into larger leaks, which will cause more serious issues.

## 3. Fuel leaks

Another symptom of a bad or failing fuel hose is visible fuel leaks. If any of the hoses break down, dry up, or wear out enough they will leak fuel. A leaky fuel line will produce either drips, or in more serious cases puddles of fuel underneath the vehicle. A leaky fuel line will also cause a drop in fuel pressure, which can compromise the operation of the fuel system, which can cause engine misfires and stalling.

Fuel hoses will typically last several years before they have any issues, however that may vary depending on the amount that the vehicle is driven. If your vehicle is experiencing fuel leaks, or you suspect that one of your hoses may be having an issue, have the vehicle inspected by a professional technician, such as one from YourMechanic, to determine if any of the hoses should be replaced.



For enquiries please contact Gates East Asia & India HQ  
3A International Business Park Unit: #10-01/05 ICON@IBP, Tower A, Singapore 609935  
Tel: +65-6832-2368 Fax: +65-6659-1607  
Email : Marketing.GIS@gates.com Website : www.gates.com

EXTEND FUEL LINE HOSE 062020