

650 RENEWABLE DIESEL FUEL HOSE

Renewable fuel line hose designed to simplify selection.

Customer Value Proposition

The 650 Renewable Fuel Hose from the Hose Products Division of Parker Hannifin is a “one does all” fuel line hose. The 650 meets or exceeds the SAE J30R7 and meets or exceeds the performance of SAE J30R2 (T1, T2, and T3), R3, and R13 (T1 and T2) specifications. Making it easier for the customer to meet multiple variations of the fuel system requirements and specifications for the components of their equipment.

The 650 Renewable Fuel Hose not only handles all the gasoline and diesel requirements but also is compatible with renewable biodiesels up to 100%. The hose is rated from -40°F to +257°F. Qualified with the HY Series (offered in steel and stainless steel) and J2044 fittings, which gives multiple options to meet the application's requirements.





PRODUCT FEATURES

- Rated to SAE J30R7
- Meets or exceeds performance of SAE J30R2, T1, T2, & T3
- Meets or exceeds performance of SAE J30R3
- Meets or exceeds performance of SAE J30R13
- Compatible with HY series couplings
- Available with J2044 connections
- Rated -40°F to +257°F (-40°C to +125°C)
- Compatible with gasoline, diesel and biodiesel up to B100 (HVO, SME, PME and RME)

ENGINEERING YOUR SUCCESS.

The 650 series fuel hose is the "one hose to do it all" fuel line. It can be used in a variety of fuel line applications that transfer gasoline, diesel, or biodiesel from the fuel tank to the engine circuit. Parker has simplified the choices for our customers of which hose fits the required specification, the 650 series has you covered for almost all your fuel line requirements.

# Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/m)	Min Bend Rad (in)	Min Bend Rad (mm)	Max WP (psi)	Max WP (bar)	Std Pack Qty	Couplings HY Series	J2044 Specs
650-3-RL	3/16	4.8	2	0.41	10.3	0.07	0.11	1.25	32	500	34.5	250 ft		
650-4-RL	1/4	6.4	2	0.50	12.7	0.09	0.13	1.50	38	400	27.6	250 ft	•	
650-5-RL	5/16	7.9	2	0.56	14.3	0.10	0.15	2.00	51	400	27.6	250 ft	•	•
650-6-RL	3/8	9.5	2	0.63	15.9	0.14	0.20	2.50	64	400	27.6	250 ft	•	•
650-8-RL	1/2	12.7	2	0.78	19.8	0.21	0.31	4.00	102	400	27.6	250 ft	•	•
650-10-RL	5/8	15.9	2	0.94	23.8	0.23	0.34	5.00	127	350	24.1	250 ft	•	•
650-12-RL	3/4	19.1	2	1.13	28.6	0.34	0.50	7.00	180	300	20.7	250 ft	•	•

Tube: Black synthetic rubber
Reinforcement: Multiple aramid plies
Cover: Black synthetic rubber
Temperature Range: -40°F to +257°F (-40°C to +125°C)
Brand Method: White ink
Brand Example: Parker 650-6 SAE 30R7 & PERFORMANCE OF SAE 30R2 TYPE 3/SAE 30R: WP 2,8 MPA (400 F 397/5139/5155/I RENEWABLE DIESEL FUEL TO B100; 10,0MM (3/8); MADE IN USA

Design Factor: 5:1
Industry Standards: SAE J30R7, meets performance of 30R2 Type 1, 2 and 3, 30R3, and 30R13 (portions of T1 and T3)
Applications: Fuel lines on equipment utilizing gasoline, diesel, or biodiesel up to B100 including HVO, SME, PME and RME renewable fuels
Fittings: Over B20 biodiesel fuel, it is recommended to use stainless or nylon fittings.
Vacuum: 24" Hg (3/16" thru 3/8" ID); 10" Hg (1/2" thru 3/4" ID)
Packaging: Reels

WARNING: This product can expose you to chemicals including Carbon Black, which is known to the state of California to cause cancer. For more information go to p65.warnings.ca.gov

Additional Products

Fuel Line/Vapor Emission Hose
Series 395

Series 395 hose is flexible for easy routing in and around small engines and small engine compartments, and the cover is resistant to abrasion, oil and weathering.



SUPER-FLEX® FL-7 Barrier Fuel Line Hose, Series 389

Series 389 hose incorporates a THV barrier to resist permeation, multiple aramid plies of reinforcement for coupling retention, durability and kink resistance. The cover is resistant to abrasion, oil and weathering. The hose is flexible for easy routing around small engines and compartments. Series 389 surpasses all of the current California Air Resource Board (CARB)/Small Off -Road Engine (SORE) and Environmental Protection Agency (EPA) stringent permeation requirements of 15g/m2/day. It also meets or exceeds SAE J30R7 and SAE J30R14T2 specifications.





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