



Aeroquip
FC254-08
Hose - HOSE R11

Product Specifications

Agency Listings: Government Specification	DNV, MSHA, USCG/MMT*
Agency Listings: Industry Specification	SAE 100R11, EN 856 Type 4SP, ABS
Burst Pressure (bar)	2124
Burst Pressure (psi)	30800
Description	Very high pressure hose
Family	Hose
General Application	Hydraulic system service with petroleum or water based fluids, for general industrial use
Hose Base Number	FC254
Inside Diameter (in)	0.5
Inside Diameter (mm)	12.7
Min Bend Radius (in)	8
Min Bend Radius (mm)	203.2
Outside Diameter (in)	0.98
Outside Diameter (mm)	24.9
Reinforcement Material	Four heavy spiral wire reinforcement
Weight (kg/m)	0.7
Weight (lb/ft)	0.47

Overview & Features

High Pressure Spiral Hydraulic Hose

Features

- Higher Pressure
- Higher Temperature
- Highly Abrasion Resistant

Where Used

Machine building

- Platforms:**
- Metal Stamping and Shearing

- Applications:**
- High Pressure Hydraulic Systems

Mining, metals and minerals

- Platforms:**
- Coal Mill
 - Excavator
 - Exploration Drill Rig
 - Mobile Crusher
 - Stationary Crusher
 - Surface Drill Rig
 - Underground Drill Rig
 - Wheel Loader

- Applications:**
- High Pressure Hydraulic Systems

Mobile machinery and equipment

- Platforms:**
- All hp
 - Backhoe Loader
 - Balers
 - Biomass Processing
 - Combines
 - Compactor
 - Concrete Pump
 - Crawler Dozer
 - Delimers
 - Excavator
 - Feller Bunchers
 - Forwarders
 - Loaders
 - Paver
 - Self-Propelled Windrowers
 - Skid Steer Loader
 - Skidders
 - Specialty Harvesting
 - Stump Grinders and Wood Chippers
 - Tractors - 4WD:
 - Tree Harvesters
 - Wheeled Loader
 - Yarders

- Applications:**
- High Pressure Hydraulic Systems

Oil and gas

- Platforms:**
- Blow-out Preventers
 - Hoisting Systems
 - Upstream: Onshore Drilling Operations

- Applications:**
- High Pressure Hydraulic Systems

Vehicles

- Platforms:**
- Pick-Up and Delivery (LTL)
 - Refuse Truck
 - Transit Mixer

- Applications:**
- High Pressure Hydraulic Systems

Value Propositions

★ = Denotes point of differentiation

Value Proposition Statement		Audiences		
		OEM	Distributor	End User
★	Dependability & Reliability – On average Triple Crown hoses have a 24% higher operating pressure, higher temperatures up to +127°C (+260°F) and better abrasion resistance using the DURA-TUFF cover.	☐	☐	☐
★	Easier Installation – higher flexibility and ½ bend radius versus standard EN846 4SH hoses make it easier to install in tight spaces.	☐	☐	☐
	Class 0 Cool Down Leakage per SAE J1176 when assembled with the 4S/6S Fitting Series.	☐	☐	☐
	Reduced Downtime – using hoses that exceed industry performance requirements.	☐	☐	☐
	Engineered Hose Assembly System – MatchMate Spiral with 4S fittings allows easy identification of hose & hose fittings approved to be assembled together.	☐	☐	☐
	Product Identification – bright, colorful ink transfer layline w/ secondary embossed layline ensures lifetime	☐	☐	☐

Product identification – bright, colored ink transfer tagline w/ secondary embossed tagline ensures instant traceability.	☒	☒	☒
Versatility – works in multiple platforms and applications with one hose and fitting series.	☐	☐	☐

Tools & Collateral

Brochure

 [A-HOOV-TB001-E2](#)

Catalog

 [A-HOOV-MC001-E3](#)

Notes

1) Rated at 10,000 psi for water blast applications using internal skive fittings.2) Available with BRUISER cover as FC854-08