



AEROQUIP INNOVATIONS

FC639 Hose

FLEXIBLE SAE 100R17 3,000 PSI CONSTANT PRESSURE HOSE

Aeroquip's new FC639 hydraulic hose offers 3,000 psi operating pressure in every size. Featuring a compact design plus superior flexibility, it's available in sizes -4 through -16. This new easy-to-route product is qualified for use with Aeroquip's global skive and global Through-The-Cover crimp fittings.

FC639 hose is specifically designed to meet SAE 100R17 performance. The new Aeroquip hose style routes easily, reducing hose length requirements. By having only one part number in inventory, selection is greatly simplified.

Applications

General industrial and hydraulic system service with petroleum and water-base fluids. Recommended for high-pressure oil lines used on construction equipment and other off-highway applications.

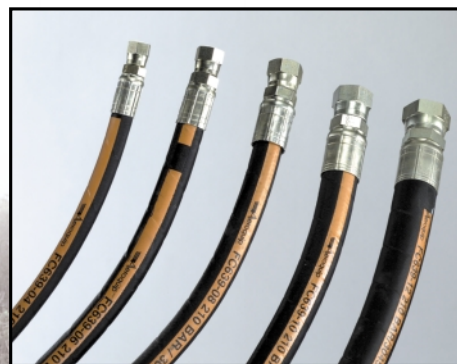
- Hydraulic systems ranging up to 3,000 psi
- Construction equipment
- Hydraulic actuated tools
- Easy routing in confined spaces

Features

- Global skive fittings offered in -4 through -16
- Every size rated at 3,000 psi operating pressure
- Designed and tested to meet SAE 100R17 performance
- Temperature range: -40°F to +212°F (-40°C to +100°C)
- MSHA approved, fire-resistant cover
- Qualified with Aeroquip Global Through-The-Cover (TTC) crimp fittings
- Orange layline for easy identification

Benefits

- Constant 3,000 psi pressure means simplified inventory
- One part number means simplified selection
- Superior flexibility means reduced hose length requirements
- Easier to route than conventional hose
- Two-wire braid hose offering SAE 100R9 spiral hose performance in sizes -12 & -16



FC639

CONSTANT PRESSURE HOSE
MEETS SAE 100R17



Part Number	Hose I.D.	Hose O.D.	Minimum Bend Radius	Maximum Operating Pressure	Minimum Burst Pressure	Proof Pressure	Impulse Pressure
	INCHES	INCHES	INCHES	PSI	PSI	PSI	PSI
#							
FC639-4	0.250	.52	2.00	3,000	12,000	6,000	4,000
FC639-6	0.375	.67	2.50	3,000	12,000	6,000	4,000
FC639-8	0.500	.81	3.50	3,000	12,000	6,000	4,000
FC639-10**	0.625	1.00	4.00	3,000	12,000	6,000	4,000
FC639-12**	0.750	1.14	4.75	3,000	12,000	6,000	4,000
FC639-16**	1.000	1.43	6.00	3,000	12,000	6,000	4,000

** Two braids of high tensile wire

HOSE
FC639

Construction Materials
Tube-Synthetic Rubber,
Cover-Fire and ozone resistant
synthetic rubber

Reinforcement
One and two layers
of wire reinforcement

Fittings
Sizes -4 to -12: Through-The-Cover
-4 to -16 global skive crimp

! WARNING: It is important to use the correct fitting with any hose product to ensure a proper connection. Only use the fittings suggested by Aeroquip for this hose product. Mixing fittings and hoses by different manufacturers can lead to an unstable connection, due to differences in manufacturing techniques and tolerances. Such connections can fail and have the potential to spray and cause personal injury or property damage.



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Specifications subject to change without notice