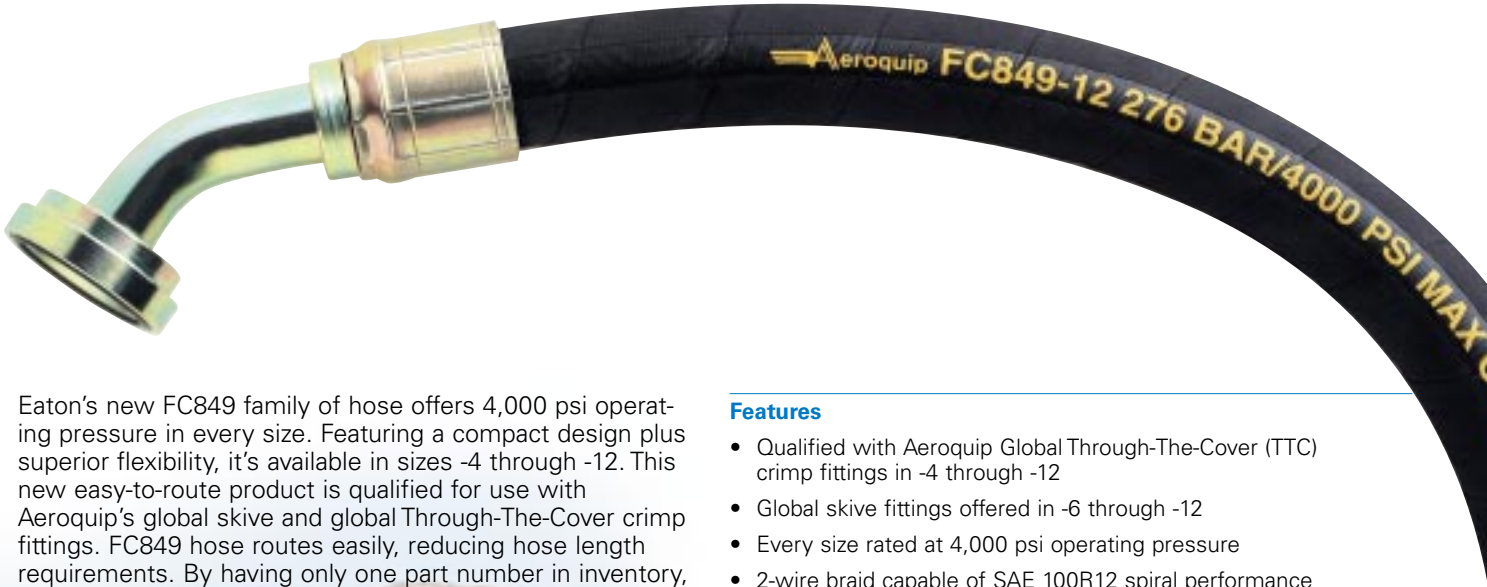
EATON | Aeroquip

FC849/FC849B Bruiser™ Hose

4,000 PSI Constant Pressure Hose

Innovation Sheet



Eaton's new FC849 family of hose offers 4,000 psi operating pressure in every size. Featuring a compact design plus superior flexibility, it's available in sizes -4 through -12. This new easy-to-route product is qualified for use with Aeroquip's global skive and global Through-The-Cover crimp fittings. FC849 hose 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 4,000 psi
- Construction equipment
- Can replace spiral hose under certain conditions
- Confined spaces where routing is difficult

Features

- Qualified with Aeroquip Global Through-The-Cover (TTC) crimp fittings in -4 through -12
- Global skive fittings offered in -6 through -12
- Every size rated at 4,000 psi operating pressure
- 2-wire braid capable of SAE 100R12 spiral performance
- Temperature range: -40°F to +212°F (-40°C to +100°C)
- 1/2 SAE 100R2 bend radius
- Abrasion resistant MSHA fire-resistant cover and Bruiser™ cover available

Benefits

- Constant 4,000 psi pressure means simplified inventory
- One part number means simplified selection
- Offers SAE 100R12 spiral hose performance at a braided price
- Bruiser™ cover outlasts standard rubber-covered hoses
- Superior flexibility means reduced hose length requirements

Aeroquip®

SPECIFICATIONS

PART NUMBER	HOSE I.D.	HOSE O.D.	MAXIMUM OPERATING PRESSURE	MINIMUM BURST PRESSURE	MINIMUM BEND RADIUS	WEIGHT PER FOOT
	INCHES	INCHES	PSI	PSI	INCHES	POUNDS
FC849-04	0.25.	.60	4,000	16,000	2.00	.24
FC849-06	0.38	.76	4,000	16,000	2.50	.36
FC849-08	0.50	.89	4,000	16,000	3.50	.43
FC849-10	0.63	1.01	4,000	16,000	4.00	.60
FC849-12	0.75	1.18	4,000	16,000	4.75	.72
FC849B-04	0.25	.60	4,000	16,000	2.00	.25
FC849B-06	0.38	.76	4,000	16,000	2.50	.35
FC849B-08	0.50	.87	4,000	16,000	3.50	.43
FC849B-10	0.63	1.01	4,000	16,000	4.00	.61
FC849B-12	0.75	1.18	4,000	16,000	4.75	.72

HOSE	CONSTRUCTION MATERIALS	REINFORCEMENT	FITTINGS	
FC849	Tube-Synthetic Rubber, Cover-Synthetic Rubber	Two layers of wire reinforcement	Sizes:	-4 to -12: Through-The-Cover -6 to -12 global skive crimp
FC849B	Tube-Synthetic Rubber, Cover-Synthetic Rubber (intermediate), Bruiser™ (outer)	Two layers of wire reinforcement	Sizes:	-4 to -12: Through-The-Cover -6 to -12 global skive crimp

OPERATING TEMPERATURE RANGE: -40˚F TO +212˚F (-40˚C TO +100˚C)

WARNING:It is important to use the correct fitting with any hose product to ensure a proper connection. Only use the fittings suggested by Eaton 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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