

Aeroquip® FC250H

next-generation SAE 100R5-style hose

For fuel, engine and general transportation systems



Built for modern equipment demands.

Leveraging Danfoss' legacy of engineering expertise, our two-braid FC250H hose is designed to exceed SAE 100R5 performance levels - while also delivering additional benefits such as increased flexibility, reduced bulk and weight and uses a universal flat crimp fitting for easy installation and assembly. The FC250H hose delivers high performance levels and exceeds the requirements of today's rugged work environments - all in a sleeker profile.



1/2 SAE bend radius

Allows tighter routing which improves flexibility, reduces stress on fittings and extends service life



Up to 25% lower Force-to-bend

Simplifies installation and reduces strain on equipment and workers, minimizes risk of hose damage and improves flexibility in tight spaces



33% Lower weight

Boosts performance, efficiency and durability while reducing vehicle strain, improving fuel economy, and maximizing payload



15% Smaller diameter

Saves space, reduces weight, improves flexibility and extends service life



Tested to 300K Impulse cycles

Withstand repeated pressure spikes and dynamic loads to deliver longer service life, reduced downtime and greater safety



2,050 psi Working Pressure

Allows hydraulic systems to deliver more power in a smaller, lighter package while improving safety and reliability

Built for specific applications

- **Truck and trailer air-brake lines** when the hose is also certified to SAE J1402 and DOT FMVSS 106
- **Turbocharger oil-supply and oil-return lines**
- **Engine and transmission lubrication-oil lines**
- **Tilt-cab hydraulic cylinder lines**
- **Hydraulic filtration and filter-head lines**
- **Medium-pressure hydraulic circuits** on trucks, buses, agricultural and construction equipment
- **Air, water and petroleum-oil service lines**
- **High-temperature oil circulation** around engines & other hot equipment



Built for the work you do.

The FC250H is engineered with precision dimensions and performance capabilities that maximize efficiency, maneuverability, and reliability in demanding commercial applications.



Construction	
Inner tube	High Temperature CPE
Reinforcement	1-high tensile wire braid
Cover	Black textile cover
Operating Temp	-55°F to +302°F -49°C to 150°C
Fittings	FJ series, 229 P series

Exceeds certifications	
SAE	100R5 J1402 DOT
OTHER	ABS DNV-GL USCG

Part Number	Hose I.D.			Hose O.D. (nominal)		Max. Operating Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC250H-04	5	4.8	0.19	11.3	0.45	210	3,050	840	12,200	38	1.5	0.17	0.11
FC250H-06	8	7.9	0.31	14.5	0.57	157	2,300	628	9,200	650	1.97	0.21	0.14
FC250H-08	10	10.3	0.41	17.0	0.67	140	2,050	560	8,200	58	2.28	0.26	0.17
FC250H-10	12	12.7	0.5	19.4	0.77	122	1,750	488	7,000	70	2.75	0.31	0.21
FC250H-12	16	15.9	0.62	22.9	0.9	105	1,500	420	6,000	80	3.15	0.37	0.25
FC250H-16	22	22.2	0.88	29.6	1.16	56	800	224	3,200	90	3.54	0.47	0.32

Built for outperforming the competition.

The FC250H consistently outperforms or matches competitors in key categories, especially in flexibility, weight, and durability.



Metric	FC250H-08 (Aeroquip)	Competitor A	Competitor B	Competitor C
Diameter (in)	0.67	0.77	0.77	0.77
Working Pressure (psi)	2,050	2,000	2,000	2,000
Bend Radius (in)	2.28	3.54	4.50	4.60
Weight (lb/ft)	0.17	0.27	0.30	Not published
Cover Material	Filament polyester	Spun polyester	Blue textile braid	Thick blue textile
Force-to-Bend (N)	14.0	19.3	Not published	Not published

Built for partnership. Building something stronger together.

Whether you're optimizing performance, improving durability or scaling production, FC250H is ready to support your next project.

Further information available at: danfoss.com