

Aeroquip by Danfoss | GH493 EDGE series fact sheet

Aeroquip by Danfoss GH493 hose



Gain a competitive EDGE with the new GH493 EDGE series hose. When reliable performance in demanding applications is critical, the GH493 is the perfect solution. This hose delivers long-lasting performance with a DuraTUFF+ cover (100x more abrasion resistant than standard), compliance with four leading industry standards, and testing up to one million impulse cycles. With above-standard pressure tolerance and flexibility, the GH493 EDGE series helps you maximize uptime and minimize maintenance.

The EDGE six-point system

Features:	Benefits:
• 1,000,000 Impulse Cycles	• Extends hose life, reduces downtime, and lowers replacement costs.
• Higher Pressure Performance	• Allows for use in more powerful applications and provides a greater safety factor.
• Tighter Bend Radius DuraFLX™ technology offers 1/2 bend radius	• Enables faster, easier installation, especially in tight spaces.
• Wide Temperature Range	• Ensures reliable performance in extreme hot and cold conditions.
• 100x Abrasion Resistance DuraTUFF+™ cover with 100x the abrasion of standard hose	• Protects against external wear, significantly increasing durability.
• Class 0 Leakage	• Guarantees leak-free connections, improving safety and efficiency while preventing fluid loss.



Markets & Applications:

Subsystems requiring SAE J517 - 100R12, EN856 Type 4SP, EN856 Type R12 and ISO 18752 compliant solutions, such as the high pressure hydraulic systems in mobile machinery, mining equipment and oil & gas applications.

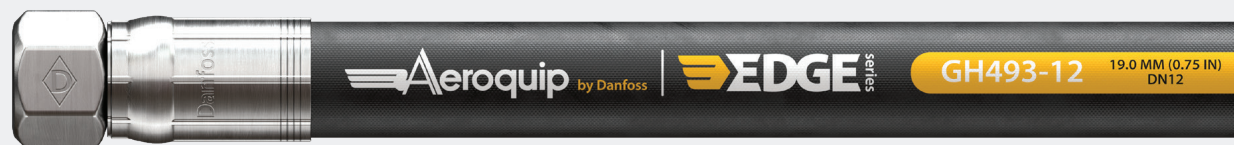
Learn more at
danfoss.com/edge



EDGE Premier Hydraulic Series • Spiral

GH493

Core premium
four wire spiral hose



Exceeds:

SAE 100R12 | EN 856 R12 | ISO 18752
EN 856 4SP (-8 to -16) | ISO 3862 R12

Typical application:

For very high pressure hydraulic lines subjected to pressure surges and flexing.

Typical applications include construction, mining, farming and high performance industrial equipment.

Agency specifications: ABS | DNV | MSHA | USCG

Hose construction:
Inner tube: Nitrile
Reinforcement: Four wire spiral
Cover: DuraTUFF+ premium abrasion

Operating temperature: -40°C to +126°C (-40°F to +260°F)

Qualified fittings: 4S series

PART	SIZE DIMENSIONS				PRESSURE				BEND		WEIGHT	
#	Hose I.D.		Hose O.D. (nominal)		Working Pressure	Min. Burst Pressure	Min. Burst Pressure	Min. Burst Pressure	Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH493-6	9,5	0.38	20,2	0.80	448,0	6,500	1,792	26,000	62,5	2.46	0,71	0.47
GH493-8	12,7	0.50	23,6	0.93	415,0	6,000	1,660	24,000	90,0	3.54	0,88	0.59
GH493-10	15,9	0.62	27,4	1.08	415,0	6,000	1,660	24,000	100,0	3.94	1,04	0.70
GH493-12	19,0	0.75	30,7	1.21	380,0	5,500	1,520	22,000	120,0	4.72	1,34	0.90
GH493-16	25,4	1.00	37,9	1.49	350,0	5,100	1,400	20,400	150,0	5.91	1,79	1.20
GH493-20	31,8	1.25	46,6	1.83	310,0	4,500	1,240	18,000	210,0	8.27	2,23	1.50
GH493-24	38,1	1.50	53,9	2.12	275,0	4,000	1,100	16,000	250,0	9.84	3,03	2.03
GH493-32	50,8	2.00	66,8	2.63	275,0	4,000	1,100	16,000	320,0	12.60	4,38	2.94

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