

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.

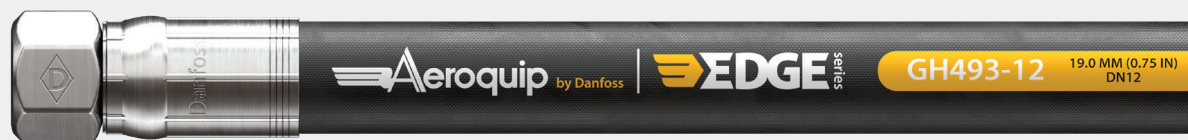
Learn more at
danfoss.com/edge



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. 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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