EATON | Aeroquip

GH466-32 EN856 / R15 6-Spiral Hose

Product Details

Reliable Solution for High Pressure Applications

Eaton has enhanced its family of Aeroquip® high-pressure hose in the 6-spiral range. The new Aeroquip GH466-32 hose is a reliable solution for extremely high-pressure applications. It offers a constant working pressure of 420 bar (6,000 psi) and an improved temperature capability up to +120˚C (+250˚F).

This new Aeroquip hose and fitting design has enabled Eaton to set new standards in the durability of heavy-duty hose styles used on mobile and stationary equipment. This robust hose and fitting combination is ideal for such applications as excavators, oil exploration equipment, mining equipment, injection molding machines and more.

Tested to **2-MILLION** flex-impulse cycles! The flex-impulse test is used for determining the performance of hose under real-world conditions. In contrast to the traditional static impulse pressure test (500,000 cycles), this test requires one end of the hose to be set in rotary motion. When put to the test, the Aeroquip hose assembly withstood over 2 million flex-impulse cycles at 120% of the working pressure ... an impressive demonstration of the durability of GH466-32 hose and fitting combination.

Features/Benefits:

- Maximum flexibility at 420 bar (6,000 psi) working pressure
- Extremely long life expectancy due to innovative hose and fitting construction
- Class θ leakage according to SAE J1176, achieved by self-sealing nipple design
- Temperature range from –40 °C to +120°C (–40 °F to +250°F)
- Hose designed to meet EN856 / R15 specifications
- Qualified to 2-million flex-impulse cycles
- Qualified with the Aeroquip Global Spiral (ISC) fitting
  - Internal/external skiving with wire trap feature for metal to metal contact
  - Separation of damping zone, sealing zone and wire trap to improve dynamic performance

Applications

- Mobile and stationary applications, e.g. construction equipment, excavators, mining and oil exploration, etc.
- For applications that require a working pressure up to 420 bar (6,000 psi)
- Hydraulic systems with petroleum base fluids

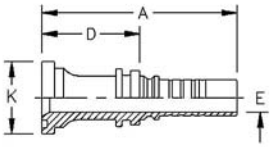
GH466-32

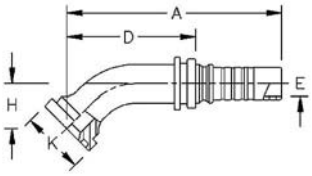
EN 856/R15 6-Spiral-Hose

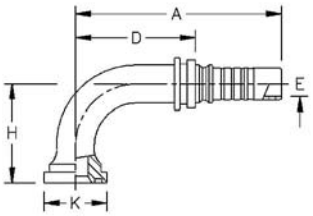
Part Number	Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Wt. Per 100 Ft.	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH466-32	50,8	2.00	71,7	2.82	420,0	6,090	1680,0	24,000	630,0	24.80	6,7	4.50

FH Fittings (6,000 psi)

SAE Code 62







Part Number	Nipple	Size	K		H		D		A		Socket
			mm	in	mm	in	mm	in	mm	in	
1W32FH32**	straight	-32	79,4	3.13	–	–	92,3	3.63	200,8	7.91	1WB32*
1W32FHA32.069**	45°	-32	79,4	3.13	69,0	2.72	189,2	7.44	297,6	11.72	1WB32*
1W32FHB32.150**	90°	-32	79,4	3.13	150,0	5.91	173,2	6.82	281,6	11.09	1WB32*

Inner Tube: NBR
Reinforcement: 6-wire spiral
Cover: Synthetic rubber CR

Application: High-pressure hydraulic systems with petroleum base fluids

Temp. Range:
-40°C to +120°C
(-40°F to +250°F)

* Socket - 1WB32 must be ordered separately.

**Needs two O-rings per nipple: No. 05.071-44.12x2.62. O-Rings must be ordered separately.

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 Aeroquip for this hose product. Mixing fittings and hose by different manufacturers can lead to an unstable connection, due to the 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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