

Premium two-wire braided hose



Premium

# Aeroquip® by Danfoss GH781 two-wire braided hose

**Our best-selling hydraulic hose for all-round premium performance in diverse applications where flexibility needed.** Built on a strong design heritage, the Aeroquip GH781 is our traditional premium two-wire braided hose. It offers outstanding flexibility and temperature resistance—even against competing premium hoses—as well as zero leaks and a longer lifespan than the industry standard. With countless certifications and OEM listings, this hose also offers customers proven performance.

**Need to know:**



300,000 qualified  
Impulse Cycles



Average 35% Better  
Bend Radius \*



Average 13% Higher  
Pressure Rating \*



**Features:**

- 300,000 impulse cycle lifetime, 1,5 X greater than EN857 Type 2SC standard
- 300,000 impulse cycle lifetime even when operating at 126°C
- Average pressure rating 13% higher than standard and 20% higher for size 8 hoses
- Average bend radius 35% better than standard and over 50% better for hose sizes 10+
- 26% broader operating temperature range than standard, from -46°C (-50°F) up to 126°C (260°F)
- Up to 8X more abrasion resistance than standard synthetic hose covers with Danfoss Dura-Tuff® cover
- Comes with Danfoss Global 1A non-skive one-piece fittings for Class 0 leakage according to SAEJ 1176

**Benefits:**

- + 50% better life expectancy of standard EN857 Type 2SC hoses lowers maintenance costs and increases safety
- Greater flexibility enables use in really tight spaces, allowing more design freedom, lower assembly costs, and reduced machine weight that increases fuel-efficiency
- Higher temperature tolerance protects against heat in demanding environments, reducing maintenance costs and risk of hose failure
- Higher pressure rating and wider operational temperature range enable use in broader applications—driving design, inventory, and assembly cost-savings
- Higher abrasion resistance lessens a leading cause of hose failure, increasing in-application life and reducing maintenance costs
- High-performance fittings enable better sealing and leak-free operations



\* than EN857 Type 2SC



# GH781

Core premium  
2-wire braided hose

Meets or exceeds: SAE 100R16 | EN857 Type 2SC | ISO 18752

**GH781-6**
9.3 mm (0.38 in) DN10
Dura-Tuff
Exceeds SAE 100R165 / EN857 2SC + ISO 18752  
MSHA IC-84/19 - ABS - DNV-GL - USCG+
400 BAR (5800 PSI)
-45°C to +125°C  
-50°F to +260°F
Flat Bend
1A 2R

### Typical application:

Hydraulic systems service with petroleum and water based fluids, for general use.

**Agency specifications:** MSHA | ABS | DNV | USCG+

<b>Hose construction:</b>	<b>Inner Tube:</b> Nitrile	<b>Reinforcement:</b> Two-wire braid reinforcement	<b>Cover:</b> Dura-Tuff Premium Abrasion
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**Operating Temperature:** -40°C to +100°C (-40°F to +212°F)

**Qualified fittings:** 1A Series | 2R 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	Min. Bend Radius	Weight	Weight
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
<b>GH781-4</b>	6,4	0.25	14,5	0.57	448	6,500	1792	26000	50,0	1.96	0,33	0.22
<b>GH781-6</b>	9,7	0.38	17,5	0.69	366	5,800	1400	20400	63,5	2.50	0,43	0.29
<b>GH781-8</b>	12,7	0.50	20,6	0.81	310	5,000	1240	20000	88,9	3.50	0,58	0.39
<b>GH781-10</b>	15,9	0.62	23,6	0.93	276	4,000	1104	16000	101,6	4.00	0,65	0.44
<b>GH781-12</b>	19,0	0.75	27,9	1.10	241	3,500	964	14000	120,7	4.75	0,79	0.53
<b>GH781-16</b>	25,4	1.00	36,1	1.42	207	3,000	828	12000	152,4	6.00	1,07	0.72
<b>GH781-20</b>	31,8	1.25	41,9	1.65	172	2,500	688	10000	209,6	8.25	1,62	1.09
<b>GH781-24</b>	38,1	1.50	51,6	2.03	138	2,000	552	8000	254,0	10.00	2,08	1.40
<b>GH781-32</b>	50,8	2.00	64,3	2.53	110	1,600	440	6400	317,5	12.50	2,83	1.90

### Core hose I.D.

- Premium
- Standard
- Braided
- Spiral
- High-Temp
- Low-Temp
- Abrasion
- Suction

### MORE HIGHLIGHTS



+50% or 1,5x more impulse life \*



26% Wider Temperature Range \*



8x Higher Abrasion Resistance



Class 0 Leakage Fittings

\* than EN857 Type 2SC

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