ENGINEERING TOMORROW

EMEA / APAC

Premium

Aeroquip® by Danfoss **Premium** speciality hoses

Our broad portfolio of speciality hoses delivers reliable, efficient and safe operations in the toughest application environments. Meeting or exceeding key industry performance standards, our speciality hoses are expertly engineered for outstanding durability under the harshest operating conditions—boosting uptime and slashing maintenance costs.

Meanwhile, broad fluid compatibility also eliminates the need to keep multiple hoses in stock, simplifying inventory requirements.

Speciality hose types:

High-Temp | Low-Temp | Abrasion | Suction

High temperature hoses

Offering outstanding durability, performance, and fluid compatibility, these hoses help to ensure continuous and leak-free operations in very hot application environments. Using patented AQP™ technology, they last longer than conventional hoses at temperatures up to 150˚C (302˚F).

Low temperature hoses

With an operating temperature tolerance as low as -57˚C (-70˚F), these hoses help to ensure continuous and leak-free operations in very cold application environments—minimizing machine downtime, costly maintenance, and the need for ongoing hose replacement.

Suction hoses

Often used for oil suction and delivery, these textile-reinforced hydraulic hoses combine flexibility, strength and broad fluid compatibility to deliver durable performance. Thanks to a smooth, oil-resistant inner tube, they boast excellent resistance to extreme temperatures and harsh chemicals.

High abrasion hoses

Perfect for applications that involve very high pressure and constant surges or flexing, these hoses deliver maximum abrasion resistance. Thanks to exceptionally tough Bruiser® covers, they offer 700X better abrasion resistance than standard rubber options—tackling a leading cause of hose failures

Benefits:

- Hoses meet or exceed key industry standards, enabling reliable and efficient operations.
- Long hose life maximizes uptime, reduces spending on maintenance or replacement.
- Strengthens safety, minimizing critical failures that can endanger operators or machinery.
- Broad fluid compatibility eliminates the need to stock multiple hoses, streamlines inventory.

Aeroquip by Danfoss

ENGINEERING TOMORROW

Premium speciality hoses

High-Temp

High Temperature hoses

Whether due to hot hydraulic fluid, high temperature machinery, or excessive workloads, extreme heat can degrade the efficiency, performance and safety of hydraulic systems. With an operating temperature tolerance up to 150˚C (302˚F), these hoses are constructed with patented elastomeric materials to prevent leaks due to heat-induced hardening, where inner tubes become brittle and lose their original form. Our hoses also maintain fluid viscosity at high temperatures, preserving efficient lubrication and reducing the risk of component damage.

- Operating temperature up to 150˚C (302˚F)
- Longer life than conventional hoses
- Patented AQP elastomeric construction
- Performance exceeds key EN and SAE standards

Aeroquip FC510 AQP high-temp HI-PAC one wire braided hose (1SN)

With excellent fluid compatibility and broad temperature resistance from -40°C to 150°C (-40°F to 302°F) and with Hi-Pac(kage) hoses have significantly higher volume of braiding compared with our general offering. Significantly outperforms the EN 857 standard, offering:

- 15% better pressure rating. With significantly higher volume of braiding this hose is designed for to increase the pressure and impulse performance
- 50% higher temperature rating
- Support 50.000 more impulse cycles at 150°C than standard at 100°C

Aeroquip GH195 AQP high temperature two wire braided hose (2SN)

With excellent fluid compatibility and an operating temperature tolerance up to 150°C (302˚F), GH195 hoses significantly outperform the EN 853 standard, offering:

- 50% higher temperature rating
- 10% better average pressure rating (in sizes -4 to -16)
- Support for the same number of impulse cycles at 150°C that standard options support at 100°C

Aeroquip EC525 AQP high temperature four spiral hydraulic hose (100R12)

Suited to demanding high pressure and high temperature applications, EC525 hoses significantly outperform the SAE J517-100R12 and EN 856 R12 standard, offering:

- 23% higher maximum operating temperature
- 19% higher average operating pressure
- A high-rated impulse cycle lifetime even at 150°C

Aeroquip by Danfoss

High-Temp

FC510

Core premium AQP™ high-temp HI-PAC one wire braided hose

Exceeds: EN 857 1SC

Aeroquip by Danfoss | FC510-04 | 6.4 MM (0.25 IN) DN6 | AQP High-Temp Hi-Pac | Exceeds EN 857 1SC MSHA IC-84/18 • DNV • USCG | 345 BAR (5000 PSI) | -40°C to +149°C -40°F to +300°F

Typical application:

For applications operating in high temperature conditions, or applications with higher than average hydraulic fluid temperatures such as: mini excavators, skid steer loaders, mini hydraulic breakers, industrial high pressure compact power packs. Our Hi-Pac(kage) hoses have significantly higher volume of braiding compared with our general offering.

Agency specifications:	MSHA | DNV | USCG		
Hose construction:	**Inner Tube:** AQP® Elastomer	**Reinforcement:** Hi-Pac® one wire braid	**Cover:** Blue AQP Elastomer
Operating temperature:	-40°C to +149°C (-40°F to +300°F)		
Qualified fittings:	1A (-4 to -20)		

PART	SIZE DIMENSIONS					PRESSURE				BEND		WEIGHT	
#	Hose I.D.			Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC510-04	6	6.4	0.25	14.9	0.59	345	5,000	1,380	20,000	76	3.00	0.34	0.23
FC510-06	10	9.5	0.37	18.2	0.72	275	4,000	1,100	16,000	89	3.50	0.43	0.29
FC510-08	12	12.7	0.50	20.7	0.81	240	3,500	960	14,000	127	5.00	0.50	0.34
FC510-10	16	15.9	0.63	24.4	0.96	190	2,750	760	11,000	152	6.00	0.66	0.44
FC510-12	19	19.0	0.75	28.2	1.11	155	2,250	620	9,000	178	7.00	0.77	0.52
FC510-16	25	25.4	1.00	35.2	1.39	138	2,000	552	8,000	229	9.00	1.05	0.71
FC510-20	31	31.8	1.25	43.7	1.72	112	1,625	448	6,500	279	11.00	1.61	1.08

Core hose I.D.

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

MORE HIGHLIGHTS

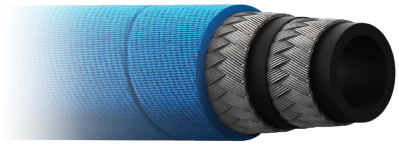
50% higher temperature *

+25% more impulse life at 150°C *

Hi-Pac

* compared with EN 857 1SC standard

ENGINEERING TOMORROW



High-Temp

GH195

Core premium AQP high-temp two wire braided hose

Meets or exceeds: SAE 100R | EN 853 2SN | ISO 1436-1 2SN

by Danfoss GH195-6 | 9.5 MM (0.38 IN) DN10 | AQP High-Temp | Exceeds SAE 100R2 / EN853 2SN • ISO 1436-1 2SN MSHA IC-84/18 • ABS • DNV • USCG | 345 BAR (5000 PSI) | -40°C to +150°C -40°F to +302°F | 1A

Typical application:

For applications operating in high temperature conditions, or applications with higher than average hydraulic fluid temperatures such as: mini excavators, skid steer loaders, mini hydraulic breakers, industrial high pressure compact power packs.

Agency specifications:	MSHA | ABS | DNV | USCG		
Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** Two wire braid	**Cover:** Blue AQP elastomer
Operating temperature:	-40°C to +150°C (-40°F to +302°F)		
Qualified fittings:	1A (-4 to -32)		

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
GH195-04	6.4	0.25	15.1	0.60	400.0	5,800	1,600	23,200	102	4.02	0.40	0.27
GH195-06	9.5	0.38	19.2	0.75	345.0	5,000	1,380	20,000	127	5.00	0.58	0.39
GH195-08	12.7	0.50	22.1	0.87	293.0	4,250	1,172	17,000	178	7.01	0.68	0.46
GH195-10	15.9	0.62	25.5	1.00	250.0	3,650	1,000	14,600	203	7.99	0.80	0.54
GH195-12	19.0	0.75	29.5	1.16	215.0	3,125	860	12,500	241	9.49	1.00	0.67
GH195-16	25.4	1.00	37.8	1.49	175.0	2,550	700	10,200	305	12.01	1.44	0.97
GH195-20	31.8	1.25	48.5	1.91	155.0	2,250	620	9,000	419	16.50	2.38	1.60
GH195-24	38.1	1.50	55.1	2.17	125.0	1,800	500	7,250	508	20.00	2.59	1.74
GH195-32	50.8	2.00	67.8	2.67	105.0	1,525	420	6,100	635	25.00	3.38	2.27

Core hose I.D.

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

MORE HIGHLIGHTS

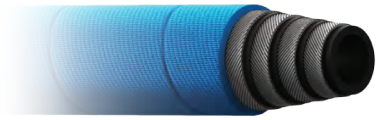
50% higher temperature *

10% higher pressure *

More impulse life *

* compared with EN 853 2SN standard

ENGINEERING TOMORROW



High-Temp

EC525

Core premium AQP high-temp four wire spiral hose

Exceeds: SAE 100R12 | EN 856 R12

Aeroquip by Danfoss | EC525-12 | 19.0 MM (0.75 IN) DN19 | AQP High-Temp | MSHA IC-84/18 | 345 BAR (5000 PSI) | -40°C to +149°C -40°F to +300°F | 4S

Typical application:

For applications operating in high temperature conditions, or applications with higher than average hydraulic fluid temperatures such as: mini excavators, skid steer loaders, mini hydraulic breakers, industrial high pressure compact power packs.

Agency specifications:	MSHA		
Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** Four wire spiral	**Cover:** Blue AQP elastomer
Operating temperature:	Typical fluids: -40°C to +149°C (-40°F to +300°F) Phosphate-ester base fluids: -40°C to +82°C (-40°F to +180°F)		
Qualified fittings:	4S (-12 to -32)		

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**
EC525-12	19.0	0.75	30,7	1.21	345,0	5000	1380.0	20000	241.3	9.50	1.28	0.86
EC525-16	25.4	1.00	37,9	1.49	345,0	5000	1380.0	20000	304.8	12.00	1.73	1.16
EC525-20	31.8	1.25	46,6	1.84	240,0	3500	960.0	14000	419.1	16.50	2.31	1.55
EC525-24	38.1	1.50	53,9	2.12	240,0	3500	960.0	14000	508.0	20.00	2.96	1.99
EC525-32	50.8	2.00	67,3	2.65	225,0	3250	900.0	13000	635.0	25.00	4.42	2.97

Core hose I.D.

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

MORE HIGHLIGHTS

23% higher temperature *

19% higher pressure *

High-rated impulse cycle lifetime *

* compared with EN 856 R12 standard

ENGINEERING TOMORROW

Premium speciality hoses

Low-Temp

Low Temperature hoses

Since elastomeric materials become brittle at very low temperatures and fluids thicken into a more viscous form, cold operating environments degrade the efficiency, performance and safety of hydraulic systems. With an operating temperature tolerance as low as -57˚C (-70˚F), these hoses are engineered to maintain flexibility even in extremely cold conditions, as well as to prevent stiffness or cracking when they reheat during use. Our hoses can also tolerate higher viscosity hydraulic fluids, which stops congealment or blockages and ensures even lubrication of components.

Operating temperature as low as -57˚C (-70˚F)

Longer life than conventional hoses

Performance exceeds key EN and SAE standards

Aeroquip GH120 low temperature two wire braided hydraulic hose (2SC)

With an operating temperature tolerance as low as -57˚C (-70˚F) and a tight bending radius that makes assembly installation faster, easier, and more cost-efficient, GH120 hoses significantly outperform the EN 857 standard, offering:

- 43% lower temperature rating
- 9% better average pressure rating (in sizes -4 to -16)
- 35% tighter minimum bending radius
- 300,000 impulse cycle lifetime at 100°C, far above the standard requirement of 200,000 cycles

Aeroquip EC810 low temperature four and six spiral hydraulic hose (100R12)

Suited to demanding high pressure and low temperature applications, EC810 hoses significantly outperform the SAE J517-100R12 and EN 856 R12 standard, offering:

- 43% lower minimum temperature rating
- 39% higher average operating pressure

Aeroquip by Danfoss

ENGINEERING TOMORROW

Low-Temp

GH120

Core Premium low-temp two wire braided hose

Exceeds: SAE 100R16 | EN 857 2SC | ISO 11237-1 2SC

Typical application:

For applications operating in low temperature conditions, cold climate, extreme outdoor conditions such as snow snowploughs or material handling in freezer stores.

Agency specifications:	MSHA		
Hose construction:	**Inner Tube:** Special low temperature synthetic rubber	**Reinforcement:** Two wire braid	**Cover:** Dura-Tuff premium abrasion
Operating temperature:	-57°C to +100°C (-70°F to +212°F)		
Qualified fittings:	1A (-4 to -32)		

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
GH120-04	6.4	0.25	13.8	0.54	414.0	6,000	1656.0	24,025	51.0	2.00	0.30	0.20
GH120-06	9.5	0.38	17.4	0.68	345.0	5,000	1380.0	20,025	64.0	2.50	0.40	0.27
GH120-08	12.7	0.50	20.8	0.82	310.0	4,500	1240.0	18,000	89.0	3.50	0.58	0.39
GH120-10	15.9	0.62	24.9	0.98	276.0	4,000	1104.0	16,000	102.0	4.00	0.74	0.50
GH120-12	19.0	0.75	28.4	1.12	241.0	3,500	964.0	14,000	121.0	4.75	0.92	0.62
GH120-16	25.4	1.00	35.7	1.41	193.0	2,800	772.0	11,200	152.0	6.00	1.22	0.82
GH120-20	31.8	1.25	43.3	1.71	159.0	2,300	636.0	9,225	210.0	8.25	1.59	1.07
GH120-24	38.1	1.50	51.5	2.03	138.0	2,000	552.0	8,000	254.0	10.00	2.11	1.42
GH120-32	50.8	2.00	63.9	2.51	103.0	1,500	412.0	6,000	318.0	12.50	2.80	1.88

Core hose I.D.

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

MORE HIGHLIGHTS

43% lower temperature *

9% higher pressure *

-35% bending radius *

+50% more impulse life *

* compared with EN 857 2SC standard

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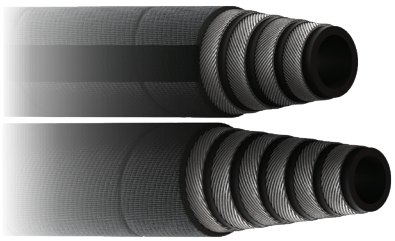


Low-Temp

EC810

Core Premium low-temp four and six wire spiral

Core hose I.D.

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

MORE HIGHLIGHTS

43% lower temperature *

39% higher pressure *

Amoglide by Danfoss | EC810-06 | 9.5 MM (0.38 IN) DN10 | Low-Temp | MSHA IC-84/68 | 420 BAR (6100 PSI) | -57°C to +100°C -70°F to +212°F | 1T 1W

Typical application:

For applications operating in low temperature conditions, cold climate, extreme outdoor conditions such as snow snowploughs or material handling in freezer stores.

Agency specifications:	MSHA		
Hose construction:	**Inner Tube:** Special low temperature synthetic rubber	**Reinforcement:** Four wire spiral (-12 to -16) Six wire spiral (-20 to -32)	**Cover:** Synthetic rubber
Operating temperature:	-57°C to +100°C (-70°F to +212°F)		
Qualified fittings:	4S (-12 to -16) | 6S (-20 to -32) | 1W (-12 to -32)		

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
EC810-12	19.0	0.75	32.2	1.27	420	6,100	1,680	24,360	280	11.02	1.61	1.08
EC810-16	25.4	1.00	39.0	1.54	420	6,100	1,680	24,360	340	13.39	2.02	1.36
EC810-20	31.8	1.25	49.4	1.95	420	6,100	1,680	24,360	420	16.54	3.55	2.39
EC810-24	38.1	1.50	57.3	2.26	420	6,100	1,680	24,360	510	20.08	4.74	3.19
EC810-32*	50.8	2.00	71.1	2.80	420	6,100	1490	21,610	630	24.80	6.70	4.50

** With the 6S fitting the -32 size working pressure is 350 bar (5100 psi) with a 4:1 safety factor.*

* compared with EN 856 R12 standard

ENGINEERING TOMORROW

Premium speciality hoses

Suction

Suction hoses

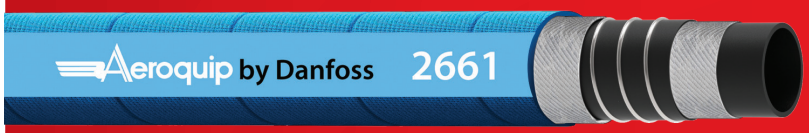
Demanding operating conditions, such as high temperatures or harsh chemicals, can easily degrade the efficiency, performance and safety of hydraulic suction hoses. Engineered with patented AQP technology for superior temperature resistance and chemical durability, our textile-reinforced suction hoses deliver longer-lasting performance in a wide range of applications. With an extremely high vacuum rating, our suction hoses are also very resistant to collapsing or buckling, enabling more reliable and efficient operations.

- Excellent temperature resistance
- Broad chemical resistance
- Patented AQP elastomeric construction
- Performance exceeds SAE 100R4 standard

Aeroquip FC619 suction one wire braided hose (R4)

With a tighter bending radius that simplifies installation and broad chemical resistance, FC619 hoses significantly outperform the SAE 100R4 standard, offering:

- 35% higher maximum operating temperature
- 1/3 the minimum bending radius (in sizes -12 to -48)
- More than a 5X higher vacuum rating



Aeroquip 2661 AQP high temperature wire-inserted suction hose (R4)

With an excellent working pressure rating and broad chemical resistance, 2661 hoses significantly outperform the SAE 100R4 standard, offering:

- 49% higher maximum operating temperature up to 149°C
- Average 6% higher working pressure rating
- More than a 5X higher vacuum rating

Aeroquip by Danfoss

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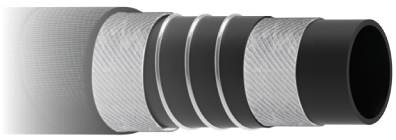


Suction

FC619

Premium suction one wire braided hose

Exceeds: SAE 100R4 | EN 45545

Amp by Danfoss | FC619-12 | 19.0 MM (0.75 IN) DN19 | Dura-Tuff | Exceeds SAE 100R4 • ABS MSHA IC-84/19 • EN45545 | 21 BAR (305 PSI) | -40°C to +135°C -40°F to +275°F | 1/3 Bend | 4S • 1A 1G

Typical application:

Suction and transfer applications for petroleum hydraulic fluids, fuel, lubricating oils, gasoline, water and many other industrial fluids.

Agency specifications:	MSHA | EN45545 | ABS		
Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** Helical wire between two textile reinforcement layers	**Cover:** Synthetic rubber
Operating temperature:	-40°C to +135°C (-40°F to +275°F)		
Qualified fittings:	1A (-12 -16 -20 -24 -32) | 1G (-12 -16 -20 -24 -32) | 4S (-12)		

PART	SIZE DIMENSIONS				PRESSURE				BEND		VACUUM		WEIGHT	
#	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum Service		Weight	
	mm	**in**	**mm**	**in**	**bar**	**psi**	**bar**	**psi**	**mm**	**in**	**kg/m**	**lbs/ft**	**kg/m**	**lbs/ft**
FC619-12	19.1	0.75	30.7	1.21	21.0	300,†	84	1,200	63.5	2.50	94.8	28	0.68	0.46
FC619-16	25.4	1.00	37.6	1.48	17.0	250†	70	1,000	76.2	3.00	94.8	28	0.83	0.56
FC619-20	31.8	1.25	44.5	1.75	14.0	200,†	56	800	102.0	4.00	94.8	28	1.16	0.78
FC619-24	38.1	1.50	51.8	2.04	10.5	150,†	42	600	127.0	5.00	94.8	28	1.49	1.00
FC619-32	50.8	2.00	64.8	2.55	7.0	100,†	28	400	152.4	6.00	94.8	28	1.83	1.23
FC619-40*	63.5	2.50	79.2	3.12	4.0	62	17	250	355.6	14.00	94.8	28	2.35	1.58
FC619-48*	76.2	3.00	95.3	3.75	4.0	62	16	225	457.2	18.00	94.8	28	3.36	2.26

**Only bulk hose*
† Maximum working pressure for band clamp type fittings is 3,4 bar [50 psi].

Core hose I.D.

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

MORE HIGHLIGHTS

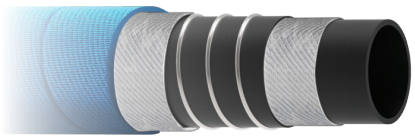
5X higher vacuum rating *

35% higher temperature *

1/3 bending radius *

* compared with SAE 100R4 standard

ENGINEERING TOMORROW



Suction

2661

Premium high-temp wire-inserted suction hose

Exceeds: SAE 100R4

Aeroquip by Danfoss | 2661-12 | 19.0 MM (0.75 IN) DN19 | AQP High-Temp | Exceeds SAE 100R4 MSHA IC-84/18 • USCG | 21 BAR (305 PSI) | -40°C to +149°C -40°F to +300°F | 1A 1G

Typical application:

Suction and transfer applications for petroleum hydraulic fluids, fuel, lubricating oils, gasoline, water and many other industrial fluids.

Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** Helical wire between two textile reinforcement layers	**Cover:** Blue AQP elastomer
Operating temperature:	-40°C to +149°C (-40°F to +300°F)		
Qualified fittings:	1A (-12 -16 -20 -24 -32) | 1G (-12 -16 -20 -24 -32)		

PART	SIZE DIMENSIONS				PRESSURE				BEND		VACUUM		WEIGHT	
#	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum Service		Weight	
	mm	**in**	**mm**	**in**	**bar**	**psi**	**bar**	**psi**	**mm**	**in**	**kg/m**	**lbs/ft**	**kg/m**	**lbs/ft**
2661-12	19,1	0.75	31,8	1.25	21,0	300 †	84,0	1200	125,0	5.0	94,8	28	0,62	0.42
2661-16	25,4	1.00	38,1	1.50	17,0	250 †	70,0	1000	150,0	6.0	94,8	28	0,74	0.50
2661-20	31,8	1.25	45,7	1.80	14,0	200 †	56,0	800	200,0	8.0	94,8	28	1,34	0.90
2661-24	38,1	1.50	52,3	2.06	10,5	150 †	42,0	600	255,0	10.0	94,8	28	1,68	1.13
2661-32	50,8	2.00	64,8	2.55	7,0	100 †	28,0	400	300,0	12.0	94,8	28	1,93	1.30
2661-40*	63,5	2.50	78,2	3.08	4,0	62	16,0	255	355,0	14.0	94,8	28	2,56	1.72
2661-48*	76,2	3.00	90,9	3.58	4,0	62	16,0	225	460,0	18.0	94,8	28	2,92	1.96
2661-64*	101,6	4.00	119,1	4.69	3,5	50	14,0	200	610,0	24.0	94,8	28	4,58	3.08

**Only bulk hose*

† Maximum working pressure for band clamp type fittings is 3,4 bar [50 psi].

Core hose I.D.

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

MORE HIGHLIGHTS

5X higher vacuum rating *

49% higher temperature *

6% higher pressure *

* compared with SAE 100R4 standard

ENGINEERING TOMORROW

Premium speciality hoses

Abrasion

High abrasion hoses

Abrasion due to moving parts is a leading cause of critical hose failures in hydraulic systems, creating safety risks and requiring costly machine downtime and maintenance. Our wide range of hoses with ultra-tough Bruiser covers can meet many different application demands, while also providing 700 times higher abrasion resistance than standard rubber hoses and eliminating the need for additional abrasion sleeves. Engineered for very high-pressure applications exposed to surges or flexing, such as construction, mining, or industrial equipment, our high abrasion hoses enable a longer in-application life, lower maintenance costs, and greater safety for both operators and machinery.

700X higher abrasion resistance with Bruiser cover

No need for additional abrasion sleeves

Enhances safety

Aeroquip GH681B BRUISER ultra-abrasion resistant one wire braided hose (1SC)

Aeroquip EC881B BRUISER ultra-abrasion resistant two wire braided hose (2SC)

Aeroquip GH425B BRUISER ultra-abrasion resistant four wire spiral hose (4SP)

Aeroquip by Danfoss

ENGINEERING TOMORROW

Abrasion

GH681B | Premium Bruiser ultra-abrasion one-wire braided hose

Exceeds: SAE 100R17 | EN 857 Type 1SC | ISO 1436 1SN | ISO 18752

Typical application:

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating oils, gasoline, water and other industrial fluids. With Bruiser cover this hose offers seven hundred times higher abrasion resistance for challenging applications.

Agency specifications:	MSHA | ABS | DNV | USCG		
Hose construction:	**Inner Tube:** Synthetic rubber	**Reinforcement:** One wire braid	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-46°C to +126°C (-50°F to +260°F)		
Qualified fittings:	1A (-4 to -32) | 1R (-4 -6 -8 -12 -16)		

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**
GH681B-3	4,8	0.19	10.9	0.42	250	3,625	1,000	14,500	45	1.77	0,19	0.13
GH681B-4	6,4	0.25	12.9	0.51	255	3,700	1,020	14,800	50	1.97	0,21	0.14
GH681B-5	7,9	0.31	14.0	0.55	225	3,250	900	13,000	55	2.17	0,22	0.15
GH681B-6	9,5	0.38	16.3	0.64	235	3,400	940	13,600	63	2.48	0,31	0.21
GH681B-8	12,7	0.50	19.9	0.78	221	3,200	883	12,800	90	3.54	0,43	0.29
GH681B-10	15,9	0.63	22.3	0.88	140	2,025	559	8,100	100	3.94	0,42	0.28
GH681B-12	19,0	0.75	26.0	1.02	138	2,000	552	8,000	120	4.72	0,56	0.37
GH681B-16	25,4	1.00	34.0	1.34	103	1,500	414	6,000	150	5.91	0,80	0.54
GH681B-20	31,8	1.25	41.5	1.63	69	1,000	276	4,000	210	8.27	1,01	0.68
GH681B-24	38,1	1.50	47.9	1.89	52	750	207	3,000	250	9.84	1,19	0.80
GH681B-32	50,8	2.00	64.0	2.52	41	600	166	2,400	315	12.4	1,92	1.29

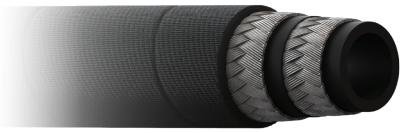
Core hose I.D.

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

MORE HIGHLIGHTS

700x Higher Abrasion Resistance for optional Bruiser cover

ENGINEERING TOMORROW



Abrasion

EC881B

Core premium Bruiser ultra-abrasion Dynamax ultra-performance two wire braided hose

Exceeds: SAE 100R16 Type S | EN 857 2SC | ISO 11237-1 Type 2SC

Core hose I.D.

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

MORE HIGHLIGHTS

700x Higher Abrasion Resistance for optional Bruiser cover

by Danfoss EC881B-6 | 9.5 MM (0.38 IN) DN10 | Bruiser Dynamax | Exceeds SAE 100R16 / 100R19 / EN857 2SC ISO 18752 • DNV • MSHA IC-84/54 | 400 BAR (5800 PSI) | -40°C to +126°C -40°F to +260°F | 1/3 Bend | 1A

Typical application:

This Dynamax ultra-performance hose with the Danfoss Dura-Pulse inner tube combines the lightweight flexibility of a two-wire braided hose with the pressure and performance of spiral 100R12 hoses (-16 and smaller). Extra demanding applications requiring high performance-EC881 offers one million impulse cycle performance and 1/3 SAE bend radius. With Bruiser cover this hose offers seven hundred times higher abrasion resistance for challenging applications.

Agency specifications:	MSHA | ABS | DNV		
Hose construction:	**Inner Tube:** Dura-Pulse™ patented tube	**Reinforcement:** Two wire braid	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-46°C to +126°C (-50°F to +260°F) -46° C to +70° C (-50 to +158° F) for water based hyd. fluids 0° C to +70° C (+32°F to 158° F) for water		
Qualified fittings:	1A (-4 to -32)		

PART	SIZE DIMENSIONS					PRESSURE				BEND		WEIGHT	
#	Hose I.D.			Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC881B-4	6	6.4	0.25	14.2	0.56	450	6,525	1,800	26,100	33	1.30	0.32	0.22
EC881B-5	8	7.9	0.31	16	0.63	400	5,800	1,600	23,200	38	1.50	0.38	0.26
EC881B-6	10	9.5	0.38	18.3	0.72	400	5,800	1,600	23,200	42	1.65	0.42	0.28
EC881B-8	12	12.7	0.50	21.5	0.85	360	5,220	1,440	20,880	60	2.36	0.58	0.39
EC881B-10	16	15.9	0.63	24.7	0.97	350	5,075	1,400	20,300	68	2.68	0.75	0.50
EC881B-12	19	19	0.75	28.6	1.13	330	4,785	1,320	19,140	80	3.15	1.03	0.69
EC881B-16	25	25.4	1.00	36.6	1.44	280	4,060	1,120	16,240	150	5.91	0.47	0.99
EC881B-20	31	31.8	1.25	44.3	1.74	172	2,500	688	9,980	210	8.27	1.75	1.18
EC881B-24	38	38.1	1.50	52.8	2.08	138	2,000	552	8,000	250	9.84	1.91	1.28
EC881B-32	51	50.8	2.00	65.5	2.58	110	1,600	440	6,400	315	12.40	2.62	1.76

ENGINEERING TOMORROW

Abrasion

GH425B | Premium Bruiser ultra-abrasion four wire spiral hose

Exceeds: EN 856 4SP

Aeroquip by Danfoss **GH425B-6** 9.5 MM (0.38 IN) DN10 **Bruiser** Exceeds EN 856 4SP MSHA IC-84/54 • ABS • DNV **490 BAR (7100 PSI)** -40°C to +100°C -40°F to +212°F 1T

Typical application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.
With Bruiser cover this hose offers seven hundred times higher abrasion resistance for challenging applications.

Agency specifications:	MSHA | DNV | ABS		
Hose construction:	**Inner Tube:** Synthetic rubber	**Reinforcement:** Four wire spiral	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-40°C to +100°C (-40°F to +212°F)		
Qualified fittings:	1T (-6 to -10) | 4S (-12 to -16)		

PART	SIZE DIMENSIONS					PRESSURE				BEND		WEIGHT	
#	Hose I.D.			Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH425B-6	10	9.5	0.38	20.9	0.82	490	7,100	1,960	28,400	180	7.09	0.70	0.47
GH425B-8	12	12.7	0.50	24.4	0.96	420	6,100	1,680	24,400	230	9.06	0.92	0.62
GH425B-10	16	15.9	0.62	28.1	1.11	420	6,100	1,680	24,400	250	9.84	1.13	0.76
GH425B-12	19	19.1	0.75	32.9	1.30	380	5,500	1,520	22,000	300	11.81	1.50	1.01
GH425B-16	25	25.4	1.00	39.8	1.57	320	4,650	1,280	18,600	340	13.39	2.15	1.44

Core hose I.D.

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

MORE HIGHLIGHTS

700x

700x Higher Abrasion Resistance for optional Bruiser cover