ENGINEERING TOMORROW

AMER

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 GH194 AQP high temperature one wire braided hose (1SN)

With excellent fluid compatibility and broad temperature resistance from -40°C to 150°C (-40°F to 302°F), GH194 hoses significantly outperform the EN 853 standard, offering:

- 50% higher temperature rating
- 6% better pressure rating
- Support for 50,000 more impulse cycles at 150°C than standard options support 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

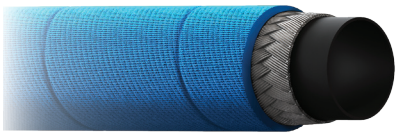
Aeroquip EC525 AQP high temperature four spiral hydraulic hose (100R12)

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

ENGINEERING TOMORROW



High-Temp

GH194

Core premium high-temp one wire braided hose

Meets: SAE 100R1 | EN 853 1SN | ISO 1436

Aeroquip by Danfoss | GH194-6 | 9.5 mm (0.38 in) DN10 | AQP High Temp | SAE 100R1 / EN 853 1SN MSHA IC-84/18 • ABS • DNV | 215 BAR (3125 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:	ABS | DNV | MSHA		
Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** One 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
GH194-04	6,4	0.25	13,5	0.53	225	3,250	900	13,000	100,0	3.94	0,25	0.17
GH194-06	9,5	0.38	17,3	0.68	215	3,125	860	12,500	125,0	4.92	0,37	0.25
GH194-08	12,7	0.50	20,4	0.80	175	2,550	700	10,200	180,0	7.09	0,45	0.30
GH194-10	15,9	0.62	23,8	0.94	140	2,050	560	8,200	205,0	8.07	0,54	0.36
GH194-12	19,0	0.75	27,4	1.08	125	1,800	500	7,200	240,0	9.45	0,69	0.46
GH194-16	25,4	1.00	36,2	1.42	90	1,300	360	5,200	300,0	11.81	0,98	0.66
GH194-20	31,8	1.25	43,9	1.73	65	950	260	3,800	420,0	16.54	1,26	0.85
GH194-24	38,1	1.50	50,6	1.99	50	725	200	2,900	500,0	19.69	1,58	1.06
GH194-32	50,8	2.00	59,2	2.33	40	580	160	2,320	630,0	24.80	2,04	1.37

Core hose I.D.

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

MORE HIGHLIGHTS

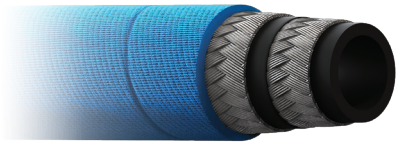
50% higher temperature *

6% higher pressure *

+50% more impulse life at 150°C *

* compared with EN 853 1SN 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

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

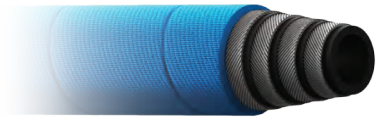
50% higher temperature *

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 *

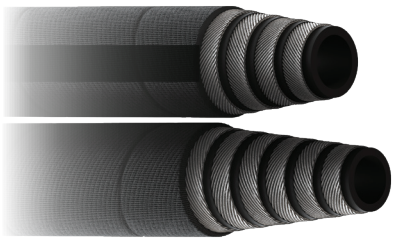
9% higher pressure *

-35% bending radius *

+50% more impulse life *

* compared with EN 857 2SC standard

ENGINEERING TOMORROW



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

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)		

MORE HIGHLIGHTS

43% lower temperature *

39% higher pressure *

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

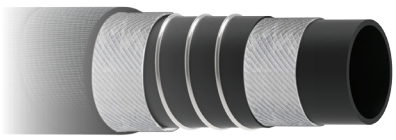
Aeroquip 2661 AQP high temperature wire-inserted suction hose (R4)

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

ENGINEERING TOMORROW



Suction

FC619

Premium suction one wire braided hose

Exceeds: SAE 100R4 | EN 45545

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 *

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.

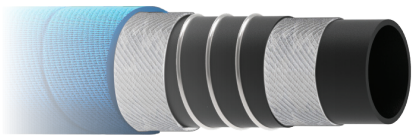
Agency specifications:	MSHA | EN45545 | ABS		
Hose construction:	**Inner Tube:** AQP elastomer	**Reinforcement:** Helical wire between two textile reinforcement layers	**Cover:** Synthetic rubber
Operating temperature:	-40°C to +135°C (-40°F to +275°F)		
Qualified fittings:	1A (-12 -16 -20 -24 -32) |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

* 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

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 *

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].

* 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

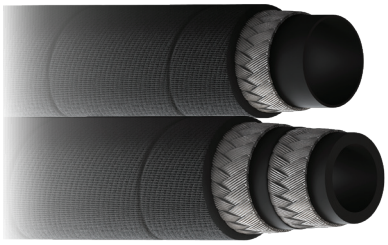
Aeroquip FC839B BRUISER ultra-abrasion resistant one and two wire braided hose (R17)

Aeroquip FC735 BRUISER ultra-abrasion resistant two wire braided hose (2SC)

Aeroquip FC736 BRUISER ultra-abrasion resistant four spiral wire high pressure hose (R12)

Aeroquip FC273B BRUISER ultra-abrasion resistant four and six spiral wire hose (R13)

Aeroquip by Danfoss



Ultra-Abrasion

FC839B

Core premium Bruiser ultra-abrasion one and two wire braided hose

Meets or exceeds: SAE 100R17 | ISO 18752

Aeroquip by Danfoss **FC839B-06** 9.5 mm (038 in) DN10 **Bruiser** SAE 100R17 • ISO 18752 MSHA IC-84/71 **210 BAR (3050 PSI)** -40°C to +100°C -40°F to +212°F 1A

Typical application:

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids.

Recommended for use on critical applications in construction, forestry, and other off-highway vehicles.

Bruiser ultra-abrasion outer cover offers unmatched abrasion, chemical and environmental protection.

Agency specifications:	MSHA		
Hose construction:	**Inner Tube:** Nitrile	**Reinforcement:** One wire braid (-04 to -08) Two wire braid (-10 to -16)	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-40ºC to +100°C (-40°F to +212°F)		
Qualified fittings:	1A 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**
FC839B-04	6,4	0.25	12,7	0.50	210	3,050	840	12,200	50,0	1.97	0,22	0.15
FC839B-06	9,5	0.38	16,6	0.65	210	3,050	840	12,200	65,0	2.56	0,34	0.23
FC839B-08	12,7	0.50	20,9	0.82	210	3,050	840	12,200	90,0	3.54	0,48	0.32
FC839B-10**	15,9	0.62	24,9	0.98	210	3,050	840	12,200	100,0	3.94	0,71	0.48
FC839B-12**	19,0	0.75	28,5	1.12	210	3,050	840	12,200	120,0	4.72	0,89	0.60
FC839B-16**	25,4	1.00	37,1	1.46	210	3,050	840	12,200	150,0	5.91	1,43	0.96

*** two-wire braid hose*

Core hose I.D.

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

MORE HIGHLIGHTS

700x

700x higher abrasion resistance with Bruiser cover

Ultra-Abrasion

FC735

Core premium Bruiser ultra-abrasion two wire braided hose

Exceeds: SAE 100R16 | EN 857 2SC | ISO 18752 | ISO 11237

Typical application:

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

Bruiser ultra-abrasion outer cover offers unmatched abrasion, chemical and environmental protection.

Agency specifications:	MSHA | ABS | DNV		
Hose construction:	**Inner Tube:** Nitrile	**Reinforcement:** Two wire braid	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-40ºC to +126°C (-40°F to +260°F)		
Qualified fittings:	1A 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
FC735-04	6,4	0.25	14,1	0.55	448	6,500	1,792	26,025	50	1.97	0,31	0.21
FC735-06	9,5	0.38	17,4	0.69	400	5,800	1,600	23,200	65	2.56	0,42	0.28
FC735-08	12,7	0.50	20,8	0.82	345	5,000	1,380	20,000	90	3.54	0,49	0.33
FC735-10	15,9	0.62	24,9	0.98	276	4,000	1,104	16,060	100	3.94	0,71	0.48
FC735-12	19,0	0.75	28,4	1.12	241	3,500	964	13,960	120	4.72	0,83	0.56
FC735-16	25,4	1.00	35,7	1.41	207	3,000	828	12,000	150	5.91	1,19	0.80
FC735-20	31,8	1.25	43,3	1.70	172	2,500	688	9,965	210	8.27	1,52	1.02

Core hose I.D.

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

MORE HIGHLIGHTS

700x higher abrasion resistance with Bruiser cover

Ultra-Abrasion

FC736

Core premium Bruiser ultra-abrasion four wire spiral hose

Exceeds: SAE 100R12 | EN 856 R12 | ISO 18752

Aeroquip by Danfoss | FC736-06 | 9.5 mm (0.38 in) DN10 | Bruiser | Exceeds SAE 100R12 / EN 856 R12 ISO 18752 • MSHA IC-84/71 • DNV | 380 BAR (5500 PSI) | -40°C to +121°C -40°F to +250°F | 4S

Typical application:

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids.

Recommended for critical applications in construction, forestry, and other off-highway vehicles.

Bruiser ultra-abrasion outer cover offers unmatched abrasion, chemical and environmental protection.

Agency specifications:	ABS | DNV | MSHA		
Hose construction:	**Inner Tube:** Nitrile	**Reinforcement:** Four wire spiral	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-40ºC to +121°C (-40°F to +250°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
FC736-06	9.5	0.38	20,2	0.80	380	5,500	1,520	22,000	125	4.92	0,71	0.48
FC736-08	12.7	0.50	23,6	0.93	345	5,000	1,380	20,000	180	7.09	0,83	0.56
FC736-10	15.9	0.62	27,4	1.08	345	5,000	1,380	20,000	200	7.87	0,98	0.66
FC736-12	19.0	0.75	30,7	1.21	280	4,050	1,120	16,200	240	9.45	1,32	0.89
FC736-16	25.4	1.00	37,9	1.49	280	4,050	1,120	16,200	300	11.81	1,75	1.18
FC736-20	31.8	1.25	46,6	1.83	210	3,050	840	12,200	420	16.54	2,36	1.59
FC736-24	38.1	1.50	53,9	2.12	175	2,550	700	10,200	500	19.68	3,00	2.01
FC736-32	50.8	2.00	66,8	2.63	175	2,550	700	10,200	640	25.2	4,37	2.94

Core hose I.D.

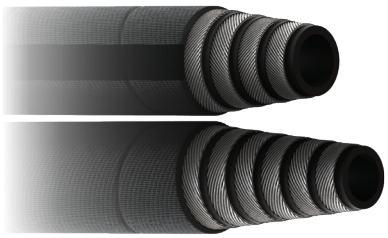
- **Premium**
- Standard
- Braided
- **Spiral**
- High-Temp
- Low-Temp
- **Abrasion**
- Suction

MORE HIGHLIGHTS

700x

700x higher abrasion resistance with Bruiser cover

ENGINEERING TOMORROW



Ultra-Abrasion

FC273B | Core premium Bruiser ultra-abrasion four and six wire spiral hose

Exceeds: SAE 100R13 | EN 856 R13 | ISO 3862 | ISO 18752

Aeroquip by Danfoss **FC273B-12** | 19.0 mm (0.75 in) DN19 | Bruiser | Exceeds SAE 100R13 / EN 856 R13 ISO 3862 • MSHA IC-84/71 | 350 BAR (5100 PSI) | -40°C to +121°C -40°F to +250°F | 1E 4S

Typical application:

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids.

Recommended for use on critical applications in construction, forestry, and other off-highway vehicles.

Bruiser ultra-abrasion outer cover offers unmatched abrasion, chemical and environmental protection.

Agency specifications:	MSHA		
Hose construction:	**Inner Tube:** Nitrile	**Reinforcement:** Four wire spiral (-12 to -16) Six wire spiral (-20 to -32)	**Cover:** Bruiser ultra-abrasion
Operating temperature:	-40ºC to +121°C (-40°F to +250°F)		
Qualified fittings:	4S Series (-12 to -16) | 6S Series (-20 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**
FC273B-12	19,0	0.75	32,1	1.26	350,0	5,100	1400,0	20,400	241,0	9.50	1,55	1.04
FC273B-16	25,4	1.00	38,7	1.53	350,0	5,100	1400,0	20,400	305,0	12.00	1,95	1.31
FC273B-20**	31,8	1.25	50,3	1.98	350,0	5,100	1400,0	20,400	419,0	16.50	3,63	2.44
FC273B-24**	38,1	1.50	57,7	2.27	350,0	5,100	1400,0	20,400	508,0	20.00	4,78	3.21
FC273B-32**	50,8	2.00	71,8	2.83	350,0	5,100	1400,0	20,400	635,0	25.00	7,05	4.74

*** Six wire spiral*

Core hose I.D.

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

MORE HIGHLIGHTS

700x

700x higher abrasion resistance with Bruiser cover