

Aeroquip[®] core premium and standard rubber hydraulic hose chart

<u>0</u> Standarc Abrasion Suction High-lemp Premiun Low-lemp

Premium & standard hydraulic hose options

Aeroquip premium ****+ core hoses



GH681 Core premium one wire braided hose



Certifications:	Meets or exceeds: SAE 100R17 SAE 100R1
Certifications:	EN 857 Type 1SC performance ISO 1436 1SN ISO 18752

Agency	ARS	DNV I	MSHA	
specifications:	100			OJCC

	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	One wire braid	Dura-Tuff® Premium Abrasion
Operating temperature:	-46°C to +126°C (-50°	'F to +260°F)	

Qualified 1A series | 1R series (-4, -6, -8, -12, -16) fittings:

Core | Premium | Braided

O1 Core premium two wire braided hose



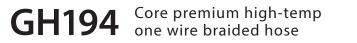
Certifications:	Meets or exceeds: SAE 100R16 EN 857 2SC ISO 18752 ISO 11237		
Agency specifications:	ABS DNV MSHA USCG		
Inner Tube: Reinforcement: Cover:			
Hose construction:	Nitrile	Two wire braid	Dura-Tuff® premium abrasion
Operating temperature:	-46°C to +126°C (-50°F to +260°F)		
Qualified fittings:	1A series 2R series (-4, -6, -8, -12 & -16)		

Core | Premium | Braided

FCRR1 Core premium Dynamax®



Core | Premium | Braided | High-Temp





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

Agency specifications:	ABS DNV MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	AQP Elastomer	One wire braid	AQP high-temp
Operating temperature:	-40°C to +150°C (-40°F to +302°F)		
Qualified fittings:	1A series		

Core | Premium | Braided | High-Temp

1195 Core premium high-temp two wire braided bose



Certifications:	Meets: SAE 100R2 EN 853 2SN ISO 1436 2SN		
Agency specifications:	ABS DNV MSHA USCG		
lless	Inner Tube:	Reinforcement:	Cover:
Hose construction:	AQP elastomer	Two wire braid	AQP high-temp
Operating temperature:	-40°C to +150°C (-40°F to +302 °F)		
Qualified fittings:	1A series		

Core | Premium | Spiral | High-Temp

EC525 Core premium AQP[™] high-temp four & six wire spiral hose



Core | Premium | Braided | Abrasion

FC839B Core premium Bruiser[®] ultra-abrasion one wire braided hose

eroquip by Danfoss FC839B

Certifications: Meets or exceeds: SAE 100R17 | ISO 18752

Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	One wire braid (-04 to -08) Two wire braid (-10 to -16)	Bruiser® ultra-abrasion
Operating temperature:	-40°C to +100°	°C (-40°F to +212°F)	
Qualified fittings:	1A series		

Core | Premium | Braided | Abrasion

735 Core premium Bruiser[®] ultra-abrasion two wire braided hose



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

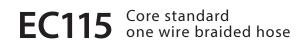
Agency specifications:	ABS DNV MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Two wire braid	Bruiser® ultra-abrasion
Operating temperature:	-40°C to +126°C (-40°	F to +260°F)	
Qualified fittings:	1A series		

Core | Premium | Braided | Abrasion

FC736 Core premium Bruiser® ultra-abrasion four wire spiral hose



Core | Standard | Braided



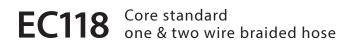
Winner by Danfoss EC115

Certifications: Me	ts: SAE 100R1 EN 857 Type 1SC
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Agency specifications:	DNV MSHA USCG		
Hose construction:	Inner Tube: Nitrile	Reinforcement: One wire braid	Cover: Nitrile
Operating temperature:	-40°C to +100°C (-40°F to +212°F)		

Fittings: 1A series | 2-piece Winner | 1R field attachable Qualified fittings/socket: Socket: 00110

Core | Standard | Braided





Certifications:	Meets: SAE 100R17 ISO 18752		
Agency specifications:	MSHA USCO	Ĵ	
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	One wire braid (-04 to -08) Two wire braid (-10 to -16)	Nitrile
Operating temperature:	-40°C to +100°C (-40°F to +212°F)`		
Qualified	Fittings: 1A series 1R series (-04, -05, -06, -08) 2-piece Winner		
fittings/socket:	Sockets: 0011	0 (-04, -06, -08) • 03310 (-10, -12, -16)

Core | Standard | Braided

EC215 Core standard two wire braided hose

LLOOI ultra-performance two wire braided hose



Certifications:	Exceeds: SAE 100R16 SAE 100R19 EN 857 2SC ISO 18752		
Agency specifications:	ABS DNV MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Dura-Pulse® patented tube	Two wire braid	Dura-Tuff® premium 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 series		

Core | Premium | Spiral

GH493 Core premium four wire spiral hose



Certifications: Exceeds: SAE 100R12 | EN 856 R12 | ISO 18752 | ISO 3862

Agency ABS | DNV | MSHA | USCG specifications:

	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Four wire spiral	Dura-Tuff® premium abrasion
Operating temperature:	-40°C to +126°C (-40	°F to +260°F)	
Qualified fittings:	4S series		

Core | Premium | Spiral

Core premium X-Flex® **FC500** four & six wire spiral hose



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

Agency DNV | MSHA | USCG specifications:

	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Four wire spiral (-12 to -24) Six wire spiral (-32)	Dura-Tuff® premium abrasion
Operating temperature:	-40°C to +127°C (-40°F to +260°F)		
Qualified fittings:	4S series (-12 to -24) 6S series (-32)		

Core | Premium | Spiral

Core premium X-Flex[®] **EC600** four & six wire spiral hose





Agency pecifications:	DNV MSHA		
	Inner Tube:	Reinforcement:	Cover:
lose construction:	AQP Elastomer	Four wire spiral (-12 to -24) Six wire spiral (-32)	AQP high-temp
Operating emperature:	<i>/</i> 1	40°C To +149°C(-40°F To +300°F) er base fluids: -40°C To +82°C(-4	0°F To +180°F)
Qualified ittings:	4S series 6S se	ries	

Aeroquip premium low-temp core hoses

Core | Premium | Braided | Low-Temp

GH120 Core premium low-temp two wire braided hose

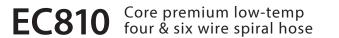


reds: SAF 100R16 | FN 857 250 | 150 11227 Certificatio

Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Proprietary low-temp	Two wire braid	Dura-Tuff® premium abrasion
Operating			

-57°C to +100°C (-70°F to +212°F) temperature:

Qualified fittings:





Certifications:

Agency MSHA specifications: Qualified 4S series (-12 to -16) | 6S series (-20 to -32) fittings:



Certifications: Exceeds: SAE 100R12 | EN 856 R12 | ISO 18752 Agency ABS | DNV | MSHA

specifications:			
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Four wire spiral	Bruiser® ultra-abrasion
Operating temperature:	-40°C to +121°C (-40°F to +250°F)		
Qualified fittings:	4S series		

Core | Premium | Spiral | Abrasion

FC273B Core premium Bruiser[®] ultra-abrasion four & six wire spiral hose



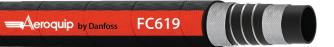
Certifications: Exceeds: SAE 100R13 | EN 856 R13 | ISO 3862 | ISO 18752

Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Four wire spiral (-12 to -16) Six wire spiral (-20 to -32)	Bruiser® ultra-abrasion
Operating Temperature:	-40°C to +121°C (-40°F to +250°F)		
Qualified fittings:	4S series (-12 to -16) 6S series (-20 to -32)		



Core | Premium | Suction





Exceeds: SAE 100R4 | EN 45545 Certifications:

Agency specifications:	ABS MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	AQP elastomer	Helical wire between two textile reinforcement layers	Dura-Tuff® premium abrasion
Operating temperature:	-40°C to +135°	C (-40°F to +275°F)	
Qualified fittings:	1A series (-12 to -32) 4S series (-12) 1G series (-12 to -32)		
		.0 52)	



Certifications: Meets: EN 857 2SC | ISO 18752 Agency DNV | MSHA | USCG specifications: **Reinforcement:** Inner Tube: Cover: Hose Nitrile Nitrile Two wire braid construction: Operating -40°C to +100°C (-40°F to +212°F) temperature: Fittings: 1A series | 2-piece Winner | 2R field attachable Qualified fittings/socket: Socket: 03310

Core | Standard | Spiral

EC415 Core standard four wire spiral hose



Certifications:	Meets: SAE 100R12	Meets: SAE 100R12 EN 856 R12 ISO 18752			
Agency specifications:	MSHA USCG				
Hose construction:	Inner Tube: Nitrile	Reinforcement: Four wire spiral	Cover: Nitrile		
Operating temperature:	-40°C to +121°C (-40°F to +250°F)				
Qualified fittings:	4S series				

Core | Standard | Spiral

Core premium **EC420** four & six wire spiral hose



Certifications:	Meets: SAE 100R13 EN 856 R13 ISO 18752			
Agency specifications:	DNV MSHA USCG			
	Inner Tube:	Reinforcement:	Cover:	
Hose construction:	Nitrile	Four wire spiral (-12, -16) Six wire spiral (-20 to -32)	Nitrile	
Operating temperature:	-40°C to +121°C (-40°F to +250°F)			
Qualified fittings:	4S series (12, -16) 6S series (-20 to -32)			

Core | Standard | Suction

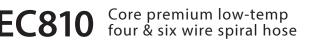


Certifications:	Exceeds: SAE 100R16	EN 857 2SC ISO 11237	

Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Proprietary Iow-temp	Two wire braid	Dura-Tuff® premium abrasion
Operating	-570C to 1100°C (-70°E	to ±212°E)	

1A series

Core | Premium | Spiral | Low-Temp





Meets or exceeds: SAE 100R15 | EN 856 4SH performance

	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Four wire spiral (-12 to -16) Six wire spiral (-20 to -32)	Nitrile
Operating temperature:	-57°C to +100°C	C (-70°F to +212°F)	

Certifications: Meets or exceeds: SAE 100R15 | EN 856 4SH | EN 856 R13 | ISO 18752

Agency specifications:	ABS DNV MSHA USCG		
Hose construction:	Inner Tube:	Reinforcement:	Cover:
	Dura-Pulse® patented inner tube	Four wire spiral (-12 to -16) Six wire spiral (-20 to -32)	Dura-Tuff® premium abrasion
Operating temperature:	-40°C to +127°C (-40°F to +260°F)		
Qualified fittings:	4S series (-12 to -16) 6S series (-20 to -32) 1W series		

Danfoss Intelligent Layline, fittings & MatchMate[®] system:

Match fittings to hose with ease. **Intelligent layline** Fittings MatchMate[®] Working Hose size fitting temperature Certifications Brand (millimeters/inches) (Celsius/Fahrenheit) system* Braided GH781-6 Premium Standard (~) 400 BAR (5800 PSI) a Aeroquip Dura-Tuff 1A (TTC) series Two-piece Winner series Part # Sub-brand Working SAE bend pressure (Half and 1/3 bend) (Bar/PSI) MatchMate System Spiral Premium Braided hose: Spiral hose: Fitting part number: Fitting part number: 4S/6S series MatchMate: MatchMat A **4S** or **6S** on the layline should **1A** on the layline should pair 1A on fitting 1A on fitting pairs with pairs with with a **1A** on the fitting pair with a **4S** or **6S** on the fitting airs with airs with layline 1A layline 1A ayline 4S/6S ayline 4S/6S part number. part number. Braided: Braided: Spiral: Spiral: mber of rings or mber of rings on lumber of rings umber of rings One or two wire braid: Four or six wire spiral n fitting correspond tting correspond to ing correspond n fitting correspond One **O** on the layline will match ig icons on layline A **4S** on layline should pair with ng icons on layline to 4S on layline o 6S on layline with one ring on fitting designating four rings on fitting designating **₿4S** Reusable BOC 80 **65** four wire spiral hose. one wire braided hose. Double **OO** on the layline will match ne-wire braided A 6S on layline will match with Six-wire spiral wire braided Four-wire spiral Premium six rings on fitting designating with two rings on fitting designating two wire braided hose. six wire spiral hose. 1R/2R series **86S** 1A 🖁 🔿 **84S** atchMate Info MatchMate Info MatchMate Info MatchMate Info

Certifications: Exceeds: SAE 100R4 performance Agency MSHA specifications: Inner Tube: **Reinforcement:** Cover: Hose Oil-resistant NBR Textile with helical Nitrile construction: & anti-static wire Operating -40°C to +100°C (-40°F to +212°F) temperature: **Fittings:** • 1A and 1G: -12, -16, -20, -24 and -32 • 4T Optimum & Winner 2 pc series: -12 and -16 Qualified • Hose barb with band clamps: -12 thru -48 with fittings/socket: a reduced operating pressure rating of 4 bar (60 psi) Socket: 03310

ENGINEERING TOMORROW

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