Weatherhead by Danfoss

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

<u>0</u> Standarc High-Temp Abrasion Suction Premium Low-lem

Premium & standard hydraulic hose options

Weatherhead premium **(**+ core hoses



H180 Core premium one wire braided hose



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

	Inner Tube:	Reinforcement:	Cover:
specifications:	ABS DNV MSHA	USCG	

Hose construction:	Nitrile	One wire braid	Dura-Tuff [®] Premium Abrasion
Operating	16°C to 1126°C (50°	E to 1260°E)	

-46°C to +126°C (-50°F to +260°F) temperature:

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

Core | Premium | Braided

H280 Core premium two wire braide two wire braided hose



Certifications: Exceeds SAE 100R16 EN 857 2SC ISO 187

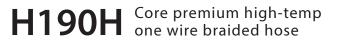
Agency specifications:	ABS DNV MSHA USCG		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Nitrile	Two wire braid	Dura-Tuff® premium abrasion
Operating temperature:	-46°C to +126°C (-50°F to +260°F)		
Qualified fittings:	Z series 2R series		

Core | Premium | Braided

HQQ1 Core premium Dynamax®



Core | Premium | Braided | High-Temp





Certifications: Meets SAE 100R1 | EN 853 1SN

Agency specifications:	ABS MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	CPE	One wire braid	CPE
Operating temperature:	-40°C to +150°C (-40'	°F to +302°F)	
Qualified fittings:	Z series		

Core | Premium | Braided | High-Temp

H290H Core premium high-temp two wire braided hose



Certifications:	Meets SAE 100R2 EN 853 2SN ISO 1436		
Agency specifications:	ABS MSHA		
Hose construction:	Inner Tube:	Reinforcement:	Cover:
	CPE	Two wire braid	CPE
Operating temperature:	-40°C to +150°C (-40°F to +302 °F)		
Qualified fittings:	Z series		

Core | Premium | Spiral | High-Temp

H525H Core premium high-temp four & six wire spiral hose



Core | Premium | Braided | Abrasion

H145R Core premium Bruiser[®] ultra-abrasion one wire braided hose

Weatherhead **w** 。H145R

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	Zaariaa		

Core | Premium | Braided | Abrasion

fittings:

Z series

H430R Core premium Bruiser[®] ultra-abrasion four wire spiral hose



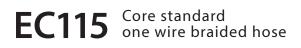
Certifications: Exceeds: SAE 100R12 | EN 856 R12 | ISO 18752

Agency specifications:	MSHA		
	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		



\mathcal{A}	Winner™	standard
9	core hose	es.

Core | Standard | Braided

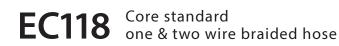


Winner by Danfoss EC115

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

Core | Standard | Braided





Meets: SAE 100R17 ISO 18752		
MSHA USCG		
Inner Tube:	Reinforcement:	Cover:
Nitrile	One wire braid (-04 to -08) Two wire braid (-10 to -16)	Nitrile
-40°C to +100°	°C (-40°F to +212°F)`	
-	Fittings: Z series 1R series (-04, -05, -06, -08) 2-piece Winner Sockets: 00110 (-04, -06, -08) • 03310 (-10, -12, -16)	
	MSHA USCO Inner Tube: Nitrile -40°C to +100° Fittings: Z ser	MSHA USCG Inner Tube: Reinforcement: Nitrile One wire braid (-04 to -08) Two wire braid (-10 to -16) -40°C to +100°C (-40°F to +212°F)` Fittings: Z series 1R series (-04, -05, -06, -08)

Core | Standard | Braided

EC215 Core standard two wire braided hose

ITOOI ultra-performance two wire braided hose



Certifications:	Exceeds SAE 100R16 SAE 100R19 EN 857 2SC ISO 18752		
Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Dura-Pulse® patented tube	Two wire braid	Dura-Tuff® premium abrasion
Operating temperature:	-46° C to +70° C (-50	-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:	Z series		

Core | Premium | Spiral

H430 Core premium four wire spiral hose



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

H471 Core premium X-Flex® four & six wire spiral hose

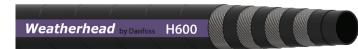


Exceeds SAE 100R13 | EN 856 R13 | ISO 3862 R13 Certifications:

Agency specifications:	MSHA USCG		
	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

H600 Core premium X-Flex® four & six wire spiral hose





Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	CPE	Four wire spiral (-12 to -24) Six wire spiral (-32)	CPE
Operating temperature:		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 fittings:	4S series 6S se	ries	

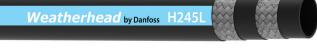


Qualified Z series (-12 to -32) | 4S series (-12) fittings:

Core | Premium | Braided | Low-Temp



Weatherhead premium low-temp core hoses



Agency specifications:	MSHA		
	Inner Tube:	Reinforcement:	Cover:
Hose construction:	Proprietary Iow-temp	Two wire braid	Dura-Tuff® premium abrasion
Operating	-57°C to +100°C (-70°F	to +212°F)	

temperature: Qualified Z series fittings:

Core | Premium | Spiral | Low-Temp

	Core premium low-temp four & six wire spiral hose
TOIUL	four & six wire spiral hose



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

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

Winner by Danfoss EC215

Certifications:	Meets EN 857 2SC ISO 18752		
Agency specifications:	DNV MSHA US	SCG	
Hose construction:	Inner Tube: Nitrile	Reinforcement: Two wire braid	Cover: Nitrile
Operating temperature:	-40°C to +100°C(-	40°F to +212°F)	
Qualified	Fittings. 7 series	2-niece Winner 2R field	attachable

Fittings: Z series | 2-piece Winner | 2R field attac Qualified fittings/socket: Socket: 03310

Core | Standard | Spiral

Core standard **EC415** Core standard four wire spiral hose



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

Core | Standard | Spiral





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)	

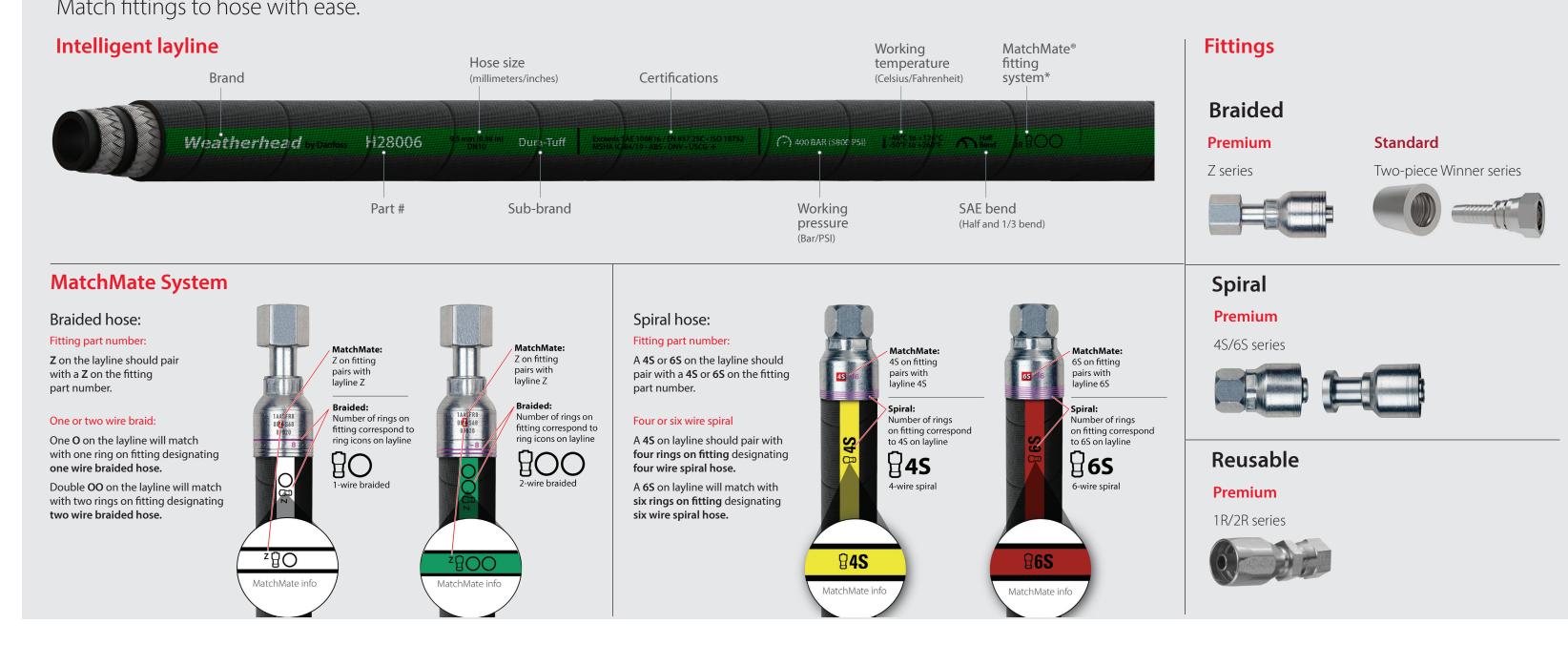
Core | Standard | Suction



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

MSHA		
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
-40°C to +127°C (-40°F to +260°F)		
4S series (-12 to -16) 6S series (-20 to -32) 1W series		
	Inner Tube: Dura-Pulse® patented inner tube -40°C to +127°C (-40°	Inner Tube:Reinforcement:Dura-Pulse®Four wire spiral (-12 to -16)patented inner tubeSix wire spiral (-20 to -32)-40°C to +127°C (-40°F to +260°F)

Danfoss Intelligent Layline,	fittings & MatchMate®	system:
Matala Ettica a ta la ana vuitla anan		



Certifications: Exceeds SAE 100R4 performance Agency MSHA specifications: **Reinforcement:** Inner Tube: Cover: Hose Nitrile Oil-resistant NBR Textile with helical construction: & anti-static wire Operating -40°C to +100°C (-40°F to +212°F) temperature: **Fittings:** • Z series: -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



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