

AMER Comparison chart

Which hose is right for you?

	Standards		One wire braided Danfoss hydraulic hoses	
	EN853 1SN	EN857 1SC	Standard hydraulic hose Winner™ EC115-8 1SC ✓	Premium hydraulic hose Aeroquip® GH681-8 1SC ✓+
Hose specifications				
Hose I.D.	 12 DN 13.5 mm 0.53 in	 12 DN 13.5 mm 0.53 in	 12 DN 12.7 mm 0.5 in	 12 DN 12.7 mm 0.5 in
Hose O.D.	 24.4 mm 0.84 in	 20.4 mm 0.80 in	 19.4 mm 0.77 in	 19.9 mm 0.78 in
Max. Operating Pressure	 160 bar 2300 psi	 160 bar 2300 psi	 160 bar 2300 psi	 221 bar 3200 psi
Burst Pressure	 640 bar 9200 psi	 640 bar 9200 psi	 640 bar 9200 psi	 883 bar 12 800 psi
Min. Bend Radius	 180 mm 7.09 in	 130 mm 5 in	 90 mm 3.54 in	 90 mm 3.54 in
Weight			 0.34 kg/m 0.23 lb/ft	 0.43 kg/m 0.29 lb/ft
Temperature Range	 -40 °C +100 °C -40 °F +212 °F	 -40 °C +100 °C -40 °F +212 °F	 -40 °C +100 °C -40 °F +212 °F	 -46 °C +126 °C -50 °F +259 °F
Abrasion Resistance	 EN ISO 6945	 EN ISO 6945	 EN ISO 6945	 Dura-Tuff Premium Abrasion
Approved Fittings			1A and Z series Winner 2pc 1R Reuseable series	1A and Z, 1R series
Certifications				
Agency Approval			MSHA DNV USCG	MSHA ABS DNV USCG
Compliance to standards			Meets or exceeds: EN 857 Type 1SC SAE 100R1	Meets or exceeds: SAE 100R17 EN 857 Type 1SC ISO 1436 1SN ISO 18752

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