

AMER Comparison chart

Which hose is right for you?

Standards			Two wire braided Danfoss hydraulic hoses			
			Standard hydraulic hose	Premium hydraulic hose		
	EN 857 2SN	EN 857 2SC	Winner™ EC215-8 2SC	Aeroquip® GH681-8 1SC	Aeroquip® GH781-8 2SC	Aeroquip® EC881-8 2SC
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	 12 DN 12.7 mm 0.5 in	 12 DN 12.7 mm 0.5 in
Hose O.D.	 23 mm 0.91 in	 21.5 mm 0.84 in	 20.8 mm 0.82 in	 19.9 mm 0.78 in	 20.6 mm 0.81 in	 21.5 mm 0.85 in
Max. Operating Pressure	 275 bar 4000 psi	 275 bar 4000 psi	 275 bar 4000 psi	 221 bar 3200 psi	 310 bar 5000 psi	 360 bar 5220 psi
Burst Pressure	 1100 bar 16000 psi	 1100 bar 16000 psi	 1100 bar 16000 psi	 883 bar 12800 psi	 1240 bar 20000 psi	 1440 bar 20880 psi
Min. Bend Radius	 180 mm 7.09 in	 130 mm 5.1 in	 90 mm 3.54 in	 90 mm 3.54 in	 88.9 mm 3.54 in	 60 mm 2.36 in
Weight			 0.57 kg/m 0.38 lb/ft	 0.43 kg/m 0.29 lb/ft	 0.58 kg/m 0.39 lb/ft	 0.58 kg/m 0.39 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	 -46 °C +126 °C -50 °F +259 °F	 -46 °C +126 °C -50 °F +259 °F
Abrasion Resistance	 EN ISO 6945	 EN ISO 6945		 Dura-Tuff	 Dura-Tuff	 Dura-Tuff
Approved Fittings			1A and Z series Winner 2pc 1R Reuseable series	1A and Z, 1R series	1A and Z series 2R Reuseable series	1A and Z series
Certifications						
Agency Approval			MSHA DNV-GL USCG	MSHA ABS DNV USCG	MSHA ABS DNV USCG	MSHA ABS DNV
Compliance to standards			Meets: EN 857 2SC ISO 18752	Meets or exceeds: SAE 100R17 EN 857 Type 1SC ISO 1436 1SN ISO 18752	Meets or exceeds: SAE 100R16 EN 857 2SC ISO 18752	Exceeds: SAE 100R16 S EN 857 2SC ISO 11237-1 2SC

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