

Applications

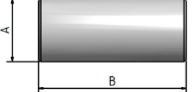
- Hydraulics:** Hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)
- Oil and Gas:** Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

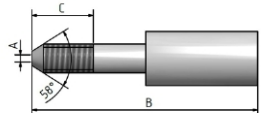


Technical Information

- Inner Core:** Polyvinylidenfluoride (PVDF)
- Pressure Support:** 4 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Dark green
- Temperature:** -20°C to +80°C [-4°F to 176°F]

Ø ID	Ø OD	Working Pressure		Burst Pressure	Bend Radius	Weight	Insert ID
		(SF 3.5:1)	(SF 4.0:1)				
6,3 mm	12,6 mm	1.180 bar	1.035 bar	4.140 bar	280 mm	0,305 kg/m	3,5 mm
0,25 inch	0,50 inch	17.100 psi	15.000 psi	60.000 psi	11,02 inch	0,204 lbs/ft	0,14 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⌀	
Sleeve							
10640115	-	AISI 316Ti	17,5	64	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
HP fitting								
40640205HB	3/8"x24UNF LH	AISI 316Ti	-	3,5	98	20	-	

MP fitting								
40640305HB	3/8"x24UNF LH	AISI 316Ti	-	3,5	100	11	-	

Female swivel 24°/60°								
Part no.	Thread	Material	Nut	Dimensions (mm)				
				A	B	C	⌀	
20640315HB	M16x1,5	AISI 316Ti	50620125	3,5	77	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Type M female swivel								
20640645HB	9/16"x18UNF	AISI 316Ti	S5063615	3,5	73	-	19	
JIC female swivel								
20640655HB	9/16"x18UNF	AISI 316Ti	S5063615	3,5	69	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
S5063615	9/16"x18UNF	AISI 316Ti	1 radial	9,5	18	15	19	
50620125	M16x1,5	AISI 316Ti	1 radial	9,5	17,5	10	19	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
Hose securing grip short version					
9056400	600,00	740,00	10,20	10-15	

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1560 bar / 22620 psi).

The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked.

Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center.

The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly may be less.

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