

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, 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)				
16,0 mm	25,5 mm	790 bar	690 bar	2.760 bar	400 mm	1,082 kg/m	10,5 mm
0,63 inch	1,00 inch	11.450 psi	10.000 psi	40.000 psi	15,75 inch	0,725 lbs/ft	0,41 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
I1640112	-	Steel	32,7	69	-	-	
I1640115	-	AISI 316Ti	32,6	69	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
MP fitting								
41640305B	3/4"x16UNF LH	AISI 316Ti	-	10,5	120	18	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Male fitting								
31640401B	3/4"x14NPT	Steel	-	10,5	101	18	27	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Female swivel with O-Ring								
21640101B	M30x2	Steel	51640201	10,5	98	-	41	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Type M female swivel								
21640605B	I 5/16"x12UN	AISI 316Ti	52040645	10,5	99	-	46	
JIC female swivel								
21640645B	I 1/16"x12UN	AISI 316Ti	51640605	10,5	84	-	36	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
51640605	I 1/16"x12UN	AISI 316Ti	I radial	20,1	29	23	36	
52040645	I 5/16"x12UN	AISI 316Ti	I radial	25,5	31,5	11,5	46	
51640201	M30x2	Steel	I radial	20,5	28	15	41	

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					
9106400	600,00	800,00	20,40	20-25	

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

Maximum test pressure (1035 bar / 15000 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.

We reserve our rights for technical changes without notice. Subject to printing errors.