



## 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 3.8:1)	(SF 4.0:1)				
8,0 mm	14,7 mm	1.085 bar	1.035 bar	4.140 bar	300 mm	0,420 kg/m	4,5 mm
0,31 inch	0,58 inch	15.730 psi	15.000 psi	60.000 psi	11,81 inch	0,281 lbs/ft	0,18 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
<b>Sleeve</b>							
10840102	-	Steel	20,2	56,5	-	-	
10840105	-	AISI 316Ti	20,2	58	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
<b>HP fitting</b>								
40840205B	9/16"x18UNF LH	AISI 316Ti	-	4,5	108,5	24	-	


<b>Male fitting</b>								
Part no.	Thread	Material	Nut	A	B	C	⚙	
30840411B	1/4"x18NPTF	Steel	-	4,5	84	14	14	
30840401B	3/8"x18NPTF	Steel	-	4,5	82	14	17	
30840341B	G1/4"	Steel	-	4,5	82	14	14	

<b>Male fitting flat seal</b>								
Part no.	Thread	Material	Nut	A	B	C	⚙	
30840311B	G1/4"	Steel	-	4,5	83	15	14	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Male fitting DIN3852 T2 form A</b>								
30840301B	G3/8"	Steel	-	4,5	84,5	12	22	
<b>Female swivel 24°/60°</b>								
20840301B	G3/8"	Steel	50860301	4,5	72	-	24	
20840305B	G3/8"	AISI 316Ti	50840305	4,5	74	-	24	
<b>Female swivel with O-Ring</b>								
20840201B	M20x1,5	Steel	50860201	4,5	77	-	27	
20840231B	M22x1,5	Steel	51060201, 51060205	4,5	79	-	30	
20840221B	M24x1,5	Steel	51321206, 51320205, 51360206	4,5	85	-	32	
<b>Type M female swivel</b>								
20840641B	3/4"x16UNF	Steel	50840601	4,5	73	-	24	
20840645B	3/4"x16UNF	AISI 316Ti	50840605	4,5	73	-	24	
<b>JIC female swivel</b>								
20840605B	3/4"x16UNF	AISI 316Ti	50840605	4,5	68	-	24	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
<b>Swivel nut</b>								
50840601	3/4"x16UNF	Steel	1 radial	12,2	22,5	17,5	24	
50840605	3/4"x16UNF	AISI 316Ti	1 radial	12,2	22,5	17,5	24	
50860301	G3/8"	Steel	1 radial	12,5	18,5	15,5	24	
50840305	G3/8"	AISI 316Ti	1 radial	12,2	18,5	13,5	24	
50860201	M20x1,5	Steel	1 radial	12,2	22	12	27	
51060201	M22x1,5	Steel	2 axial	14,2	23	14	30	
51060205	M22x1,5	AISI 316Ti	2 axial	14,2	25	14	30	
51321206	M24x1,5	Steel	2 axial	16,8	23	16	32	
51320205	M24x1,5	AISI 316Ti	1 radial	16,8	23	16	32	



Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
<b>Hose securing grip short version</b>					
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 (1630 bar / 23630 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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