



## Applications

**Hydraulics:** Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

**Oil and Gas:** Grease injection, nitrogen service

## Technical Information

**Inner Core:** Polyamide (PA)  
**Pressure Support:** 2 open layers, 2 dense layers of high-tensile steel wire  
**Outer Cover:** Polyurethane (TPU)  
**Color:** Black  
**Temperature:** -30°C to +60°C [-22°F to 140°F]

Ø ID	Ø OD	Working Pressure -- (SF 2.5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
8,0 mm	14,0 mm	--	1.000 bar	100 mm	0,317 kg/m	5,5 mm
0,31 inch	0,55 inch	--	14.500 psi	3,94 inch	0,212 lbs/ft	0,22 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⌀	
<b>Sleeve</b>							
10830191W	-	Steel	18,3	43	-	-	
10830195W	-	AISI 316Ti	18,3	43	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Male fitting</b>								
30820411A	1/4"x18NPTF	Steel	-	5,5	68	14	14	
30820401A	3/8"x18NPTF	Steel	-	5,5	69	14	17	

<b>Male fitting 60° internal cone</b>								
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
A	B	C	⌀					
30820321A	G1/4"	Steel	-	5,5	63	12	14	
30820301A	G3/8"	Steel	-	5,5	65	12	17	

<b>Male fitting flat seal</b>								
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
A	B	C	⌀					
30820381A	G1/4"	Steel	-	5,5	70	15	12	

<b>Male fitting DIN3852 T2 form A</b>								
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
A	B	C	⌀					
30820341A	G3/8"	Steel	-	5,5	69,5	14,5	22	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Female swivel 24°/60°</b>								
20820301A	G3/8"	Steel	50860301	5,5	62	-	24	
<b>Female swivel with O-Ring</b>								
20820201A	M20x1,5	Steel	50860201	5,5	65	-	27	
20820042A	M24x1,5	Steel	51321206	5,5	75	-	32	
<b>Type M female swivel</b>								
20820645A	3/4"x16UNF	AISI 316Ti	50840605, 50840601	5,5	62	-	24	
<b>JIC female swivel</b>								
20820601A	9/16"x18UNF	Steel	50820601	5,5	56	-	19	
20820605A	9/16"x18UNF	AISI 316Ti	50820605	5,5	56	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
<b>Swivel nut</b>								
50820601	9/16"x18UNF	Steel	1 radial	10,6	18	14	19	
50820605	9/16"x18UNF	AISI 316Ti	1 radial	10,6	18	14	19	
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	
50860201	M20x1,5	Steel	1 radial	12,2	22	12	27	
51321206	M24x1,5	Steel	2 axial	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.

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.

\*) Blast-Pro® fittings may only be used for tube cleaning operations inside the tube. They have not been designed for the use outside of tubes.

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