



## Applications

- Waterblast:** Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning
- 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, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling



## Technical Information

- Inner Core:** Polyamide (PA)
- Pressure Support:** 4 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Grey
- 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
16,0 mm	25,5 mm	--	1.040 bar	250 mm	1,002 kg/m	10,5 mm
0,63 inch	1,00 inch	--	15.080 psi	9,84 inch	0,671 lbs/ft	0,41 inch

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

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
<b>MP fitting</b>								
41640305B	3/4"x16UNF LH	AISI 316Ti	-	10,5	120	18	-	
<b>Male fitting</b>								
31640401B	3/4"x14NPT	Steel	-	10,5	101	18	27	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙️	
<b>Female swivel with O-Ring</b>								
21640101B	M30x2	Steel	51640201	10,5	98	-	41	
<b>Type M female swivel</b>								
21640605B	1 5/16"x12UN	AISI 316Ti	52040645	10,5	99	-	46	
<b>JIC female swivel</b>								
21640645B	1 1/16"x12UN	AISI 316Ti	51640605	10,5	84	-	36	

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

Part no.	Size (mm)	Material	Crimp ring	Hose protection
<b>Hose protection with spiral</b>				
1.914051	ID Ø40, OD Ø47	PVC	1005054	

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>					
9136400	600,00	800,00	24,30	25-30	

Accessories combinations			
Without hose protection			
Description	Bend restrictor	Crimp ring	Securing grips
Securing grip	-	-	9136400



## Accessories combinations

Hose protection with spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	I.914051	-	1005054	-
with securing grip	I.914051	-	-	9136400

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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