

## Applications

- Waterblast:** Heat exchanger tube cleaning
- Hydraulics:** Bolt tensioning, 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:** Polyoxymethylene (POM)
- Pressure Support:** 4 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Grey
- Temperature:** -30°C to +70°C [-22°F to 158°F]

Ø ID	Ø OD	Working Pressure -- (SF 2.5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
5,0 mm	11,2 mm	--	1.800 bar	150 mm	0,260 kg/m	2,5 mm
0,20 inch	0,44 inch	--	26.100 psi	5,91 inch	0,174 lbs/ft	0,10 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⌀	
<b>Sleeve</b>							
10540101	-	Steel	15	49,5	-	-	
10540105	-	AISI 316	15	47,9	-	-	
<b>Blast-Pro® sleeve</b>							
10540232	-	Steel	12,4	24	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>HP fitting</b>								
40540215B	1/4"x28UNF LH	AISI 316	-	2,5	83	14	-	
40540205B	3/8"x24UNF LH	AISI 316	-	2,5	90	20	-	
40540225B	9/16"x18UNF LH	AISI 316	-	2,5	103	24	-	

Part no.	Thread	Material	Sleeve	Dimensions (mm)				Blast-Pro® Insert*
				A	B	C	⌀	
<b>Blast-Pro® HP fitting</b>								
40540234Y	1/4"x28UNF LH	Stainless steel	10540232	3	45	16	10	
40540214Y	3/8"x24UNF LH	Stainless steel	10540232	3	50	22	10	
<b>Blast-Pro® HP female</b>								
40540254Y	1/4"x28UNF LH	Stainless steel	10540232	3	44	9	8	
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Male fitting</b>								
30540401B	1/4"x18NPTF	Steel	-	2,5	71	14	14	
<b>Male fitting 60° internal cone</b>								
30540301B	G1/4"	Steel	-	2,5	70	12	14	
<b>Male fitting 100° external cone</b>								
30540361B	G1/4"	Steel	-	2,5	76	18	17	
<b>Male fitting for USIT® Ring</b>								
30540351B	G1/4"	Steel	-	2,5	68,5	11	22	
<b>Universal female swivel 24°/60°</b>								
20540301B	G1/4"	Steel	50540301	2,5	62	-	19	
20540305B	G1/4"	AISI 316	50540305	2,5	62	-	19	
<b>Universal female swivel 24°/60° light</b>								
20540101B	M14x1,5	Steel	50540101	2,5	62	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	Ø	
<b>Female swivel with O-Ring</b>								
20540041B	M20x1,5	Steel	50860201	2,5	77	-	27	
<b>Type M female swivel</b>								
20540641B	9/16"x18UNF	Steel	50540601	2,5	64	-	19	
20540645B	9/16"x18UNF	AISI 316	50540605	2,5	64	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	Ø	
<b>Swivel nut</b>								
50540601	9/16"x18UNF	Steel	1 radial	9,2	18	14	19	
50540605	9/16"x18UNF	AISI 316	1 radial	9,2	18	14	19	
50540301	G1/4"	Steel	1 radial	9,2	16,5	8,5	19	
50540305	G1/4"	AISI 316	1 radial	9,2	16,5	8,5	19	
50540101	M14x1,5	Steel	1 radial	9,2	16,5	8,5	19	
50860201	M20x1,5	Steel	1 radial	12,2	22	12	27	

Part no.	Thread	Material	Dimensions (mm)				Tube cleaning accessories	
			A	B	C	Ø		
<b>Stop sleeve</b>								
1.84105401B	-	Steel	-	15	49	-	-	
1.84105401Y	-	Steel	-	12,4	25	-	-	
<b>Marking ring</b>								
1.851316.5	-	AISI 316	-	14,2	10	-	-	

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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