

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	⌀	
Sleeve							
10540101	-	Steel	15	49	-	-	
10540105	-	AISI 316Ti	15	49	-	-	
Blast-Pro® sleeve							
10540232	-	Steel	12,4	24	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
HP fitting								
40540211B	1/4"x28UNF LH	Steel	-	2,5	83	14	-	
40540215B	1/4"x28UNF LH	AISI 316Ti	-	2,5	83	14	-	
40540205B	3/8"x24UNF LH	AISI 316Ti	-	2,5	90	20	-	
40540225B	9/16"x18UNF LH	AISI 316Ti	-	2,5	103	24	-	

Part no.	Thread	Material	Sleeve	Dimensions (mm)				Blast-Pro® Insert*
				A	B	C	⌀	
Blast-Pro® HP fitting								
40540234Y	1/4"x28UNF LH	Stainless steel	10540232	3	45	16	10	
40540214Y	3/8"x24UNF LH	Stainless steel	10540232	3	50	22	10	
Blast-Pro® HP female								
40540254Y	1/4"x28UNF LH	Stainless steel	10540232	3	44	9	8	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Male fitting								
30540401B	1/4"x18NPTF	Steel	-	2,5	71	14	14	
Male fitting 60° internal cone								
30540301B	G1/4"	Steel	-	2,5	70	12	14	
Male fitting 100° external cone								
30540361B	G1/4"	Steel	-	2,5	76	18	17	
Male fitting for USIT® Ring								
30540351B	G1/4"	Steel	-	2,5	68,5	11	22	
Female swivel 24°/60°								
20540301B	G1/4"	Steel	50540301	2,5	62	-	19	
20540305B	G1/4"	AISI 316Ti	50540305	2,5	62	-	19	
20540101B	M14x1,5	Steel	50540101	2,5	62	-	19	
Female swivel with O-Ring								
20540041B	M20x1,5	Steel	50860201	2,5	77	-	27	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	Ø	
Type M female swivel								
20540641B	9/16"x18UNF	Steel	50540601	2,5	64	-	19	
20540645B	9/16"x18UNF	AISI 316Ti	50540605	2,5	64	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	Ø	
Swivel nut								
50540601	9/16"x18UNF	Steel	1 radial	9,2	18	14	19	
50540605	9/16"x18UNF	AISI 316Ti	1 radial	9,2	18	14	19	
50540301	G1/4"	Steel	1 radial	9,2	16,5	8,5	19	
50540305	G1/4"	AISI 316Ti	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.	Size (mm)	Material	Crimp ring	Hose protection
1.901621	ID Ø16, OD Ø21	PVC	1002224	
1.901822	ID Ø18, OD Ø22	PVC	-	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9056400	600,00	740,00	10,20	10-15	

Accessories combinations				
Without hose protection				
Description		Bend restrictor	Crimp ring	Securing grips
Securing grip		-	-	9056400
Hose protection without spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.901621	-	1002224	-
with securing grip	1.901822	-	-	9056400

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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