

## Applications

- Waterblast:** Heat exchanger tube cleaning
- Hydraulics:** Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)



## Technical Information

- Inner Core:** Polyoxymethylene (POM)
- Pressure Support:** 4 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Silver
- 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
4,0 mm	10,3 mm	--	2.200 bar	130 mm	0,234 kg/m	1,8 mm
0,16 inch	0,41 inch	--	31.900 psi	5,12 inch	0,157 lbs/ft	0,07 inch


Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
<b>Sleeve</b>							
10440102	-	Steel	14,7	49	-	-	
10440105	-	AISI 316	14,7	49	-	-	
<b>Blast-Pro® sleeve</b>							
10440232YB	-	Steel	11,5	22			

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
<b>HP fitting</b>								
40460204C	1/4"x28UNF LH	Stainless steel	-	2,5	82	14,3	-	
40460224C	3/8"x24UNF LH	Stainless steel	-	3,2	90	19,1	-	
40460234C	9/16"x18UNF LH	Stainless steel	-	1,8	104	24	-	

Part no.	Thread	Material	Sleeve	Dimensions (mm)				Blast-Pro® Insert*
				A	B	C	⚙	
<b>Blast-Pro® HP fitting</b>								
40440214YB	1/4"x28UNF LH	Stainless steel	10440232YB	1,8	41	16		
40440224YB	1/4"x28UNF	Stainless steel	10440232YB	1,8	41	16	9	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C		
<b>Male fitting 60° internal cone</b>								
30440302B	G1/8"	Steel	-	1,8	70,5	12	9	
<b>Universal female swivel 24°/60°</b>								
20440302B	G1/4"	Steel	50540301, 50540305	1,8	63	-	19	
<b>Type M female swivel</b>								
20460644C	9/16"x18UNF	Stainless steel	50560605, 50560601	1,8	63	-	22	
Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
<b>Swivel nut</b>								
50560601	9/16"x18UNF	Steel	I radial	9,2	18	14	22	
50560605	9/16"x18UNF	AISI 316	I radial	9,2	18	14	22	
50540301	G1/4"	Steel	I radial	9,2	16,5	8,5	19	
50540305	G1/4"	AISI 316	I radial	9,2	16,5	8,5	19	
Part no.	Thread	Material		Dimensions (mm)				Tube cleaning accessories
				A	B	C		
<b>Stop sleeve</b>								
1.84104401C	-	Steel	-	14,7	48,7	-	-	
<b>Marking ring</b>								
1.851215.5	-	AISI 316	-	13,3	10	-	-	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
<b>Hose protection without spiral</b>				
1.901621	ID Ø16, OD Ø21	PVC	1002224	
<b>Hose protection with spiral</b>				
1.912026	ID Ø19, OD Ø26	PVC	1003035	

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	

<b>Accessories combinations</b>				
<b>Without hose protection</b>				
Description		Bend restrictor	Crimp ring	Securing grips
Securing grip		-	-	9056400
<b>Hose protection without spiral</b>				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.901621	-	1002224	-
with securing grip	1.901621	-	-	9056400
<b>Hose protection with spiral</b>				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.912026	-	1003035	-
with securing grip	1.912026	-	-	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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