

## Applications

### Waterblast:

Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal), ultra high-pressure waterjet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)

### Hydraulics:

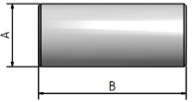
Bolt tensioning, pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

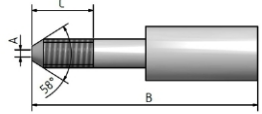


## Technical Information

<b>Inner Core:</b>	Polyoxymethylene (POM)
<b>Pressure Support:</b>	6 layers of high-tensile steel wire
<b>Outer Cover:</b>	Polyamide (PA)
<b>Color:</b>	Blue
<b>Temperature:</b>	-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	11,5 mm	--	2.800 bar	175 mm	0,365 kg/m	1,8 mm
0,16 inch	0,45 inch	--	40.600 psi	6,89 inch	0,245 lbs/ft	0,07 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⌀	
<b>Sleeve</b>							
10460102	-	Steel	17,1	49	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>HP fitting</b>								
40460204C	1/4"x28UNF LH	Stainless steel	-	1,8	82	14	-	
40460224C	3/8"x24UNF LH	Stainless steel	-	1,8	90	20	-	
40460234C	9/16"x18UNF LH	Stainless steel	-	1,8	104	24	-	

<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	1 radial	9,2	18	14	22	
50560605	9/16"x18UNF	AISI 316Ti	1 radial	9,2	18	14	22	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
1.901822	ID Ø18, OD Ø22	PVC	1002426	
<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
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	1.901822	-	1002426	-	
with securing grip	1.901822	-	-	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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