

## Applications

### Waterblast:

Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning, 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

### Inner Core:

Polyoxymethylene (POM)

### Pressure Support:

6 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
4,8 mm	13,2 mm	--	2.500 bar	200 mm	0,450 kg/m	2,5 mm
0,19 inch	0,52 inch	--	36.250 psi	7,87 inch	0,302 lbs/ft	0,10 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
<b>Sleeve</b>							
10560136	-	Steel	17,8	68	-	-	
10560135	-	AISI 316	17,8	68	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
<b>HP fitting</b>								
40560294E	1/4"x28UNF LH	Stainless steel	-	2,5	99	14,3	-	
40560284E	3/8"x24UNF LH	Stainless steel	-	3,2	112	19,1	-	
40560264E	9/16"x18UNF LH	Stainless steel	-	4,8	124	23,8	-	
40560274E	M14x1,5 LH	Stainless steel	-	4,8	124	23,8	-	

<b>Universal female swivel 24°/60°</b>								
20560314E	G1/4"	Stainless steel	50560301	2,5	84	-	22	

<b>Universal female swivel 24°/60° light</b>								
20560164E	M14x1,5	Stainless steel	50540101	2,5	76	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Type M female swivel</b>								
20560694E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	77	-	22	


<b>HP female swivel</b>								
20560614E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	73	-	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 316	1 radial	9,2	18	14	22	
50560301	G1/4"	Steel	1 radial	9,2	19	11	22	
50540101	M14x1,5	Steel	1 radial	9,2	16,5	8,5	19	

Part no.	Thread	Material	Dimensions (mm)				Tube cleaning accessories	
			A	B	C	⌀		
<b>Stop sleeve</b>								
1.84105601E	-	Steel	-	17,8	68	-	-	

<b>Marking ring</b>								
1.851618.5	-	AISI 316	-	16,2	10	-	-	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
1.901822	ID Ø18, OD Ø22	PVC	1002426	
1.902228	ID Ø22, OD Ø28	PVC	-	
1.902531	ID Ø25, OD Ø31	PVC	-	
<b>Hose protection with spiral</b>				
1.912026	ID Ø19, OD Ø26	PVC	1003035	
1.912229	ID Ø22, OD Ø29	PVC	-	
1.912532	ID Ø25, OD Ø32	PVC	-	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
<b>PU bend restrictor</b>					
1.9518306A	PU	1003035	34	250	

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>Hose securing grip long version</b>					
905640L	600,00	990,00	10,20	10-15	

Accessories combinations				
<b>Without hose protection</b>				
Description	Bend restrictor	Crimp ring	Securing grips	
Bend restrictor	1.9518306A	1003035	-	
Securing grip	-	-	9056400	
Bend restrictor and securing grip	1.9518306A	1003035	905640L	
<b>Hose protection without spiral</b>				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.901822	-	1002426	-
with bend restrictor	1.902531	1.9518306A	1003035	-
with securing grip	1.902228	-	-	9056400
with bend restrictor and securing grip	1.902531	1.9518306A	1003035	905640L
<b>Hose protection with spiral</b>				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.912026	-	1003035	-
with bend restrictor	1.912532	1.9518306A	1003035	-
with securing grip	1.912229	-	-	9056400
with bend restrictor and securing grip	1.912532	1.9518306A	1003035	905640L

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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