

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:** Blue
- 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	Ø	
Sleeve							
10560136	-	Steel	17,8	68	-	-	
10560135	-	AISI 316Ti	17,8	68	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	Ø	
HP fitting								
40560294E	1/4"x28UNF LH	Stainless steel	-	2,5	103	14	-	
40560284E	3/8"x24UNF LH	Stainless steel	-	2,5	112	20	-	
40560264E	9/16"x18UNF LH	Stainless steel	-	2,5	124	24	-	
40560274E	M14x1,5 LH	Stainless steel	-	2,5	124	24	-	
Female swivel 24°/60°								
20560314E	G1/4"	Stainless steel	50560301	2,5	84	-	22	
20560164E	M14x1,5	Stainless steel	50540101	2,5	84	-	19	



Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	Ø	
Type M female swivel								
20560694E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	85	-	22	

HP female swivel								
20560614E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	79	-	22	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	Ø	
Swivel nut								
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	
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.	Size (mm)	Material	Crimp ring	Hose protection				
				Hose protection without spiral				
1.901822	ID Ø18, OD Ø22	PVC	1002426					
1.902228	ID Ø22, OD Ø28	PVC	-					
1.902531	ID Ø25, OD Ø31	PVC	-					
Hose protection with spiral								
1.912026	ID Ø19, OD Ø26	PVC	1003035					
1.912229	ID Ø22, OD Ø35	PVC	-					
1.912532	ID Ø25, OD Ø32	PVC	-					

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
PU bend restrictor					
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
Hose securing grip short version					
9056400	600,00	740,00	10,20	10-15	
Hose securing grip long version					
905640L	600,00	990,00	10,20	10-15	

Accessories combinations				
Without hose protection				
Description	Bend restrictor	Crimp ring	Securing grips	
Bend restrictor	1.9518306A	1003035	-	
Securing grip	-	-	9056400	
Bend restrictor and securing grip	1.9518306A	1003035	905640L	
Hose protection without spiral				
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
Hose protection with spiral				
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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