

Applications

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



Technical Information

- Inner Core:** Polyoxymethylene (POM)
- Pressure Support:** 8 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Orange
- Temperature:** -30°C to +60°C [-22°F to 140°F]



Ø ID	Ø OD	Working Pressure -- (SF 2,5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
4,0 mm	12,8 mm	--	3.200 bar	175 mm	0,540 kg/m	1,8 mm
0,16 inch	0,50 inch	--	46.400 psi	6,89 inch	0,362 lbs/ft	0,07 inch


Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
10480102	-	Steel	19,5	48,4	-	-	



Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
HP fitting								
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	-	

Type M female swivel								
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	⚙	
Swivel nut								
50560605	9/16"x18UNF	AISI 316	1 radial	9,2	18	14	22	
50560601	9/16"x18UNF	Steel	1 radial	9,2	18	14	22	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
Hose protection without spiral				
I.902228	ID Ø22, OD Ø28	PVC	-	
I.902026	ID Ø20, OD Ø26	PVC	I002729	
I.902531	ID Ø25, OD Ø31	PVC	-	
Hose protection with spiral				
I.912532	ID Ø25, OD Ø32	PVC	-	
I.912026	ID Ø19, OD Ø26	PVC	I003035	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
PU bend restrictor					
I.9518306B	PU	I003035	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	
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	1.9518306B	1003035	-
Securing grip	-	-	9056400
Bend restrictor and securing grip	1.9518306B	1003035	905640L

Hose protection without spiral

Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.902026	-	1002729	-
with bend restrictor	1.902531	1.9518306B	1003035	-
with securing grip	1.902228	-	-	9056400
with bend restrictor and securing grip	1.902531	1.9518306B	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	1.9518306B	1003035	-
with securing grip	1.912026	-	-	9056400
with bend restrictor and securing grip	1.912532	1.9518306B	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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