

Applications

Waterblast: Heat exchanger tube cleaning, 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)



Technical Information

Inner Core: Polyoxymethylene (POM)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyamide (PA)
Color: Grey
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
3,4 mm	8,1 mm	--	2.100 bar	110 mm	0,135 kg/m	2,0 mm
0,13 inch	0,32 inch	--	30.450 psi	4,33 inch	0,090 lbs/ft	0,08 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
10340102	-	Steel	12,1	44	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
HP fitting								
40340202B	1/4"x28UNF LH	Steel	-	2	79,5	14	-	
40340224B	3/8"x24UNF LH	Stainless steel	-	2	84	20	-	

Female swivel 24°/60°								
Part no.	Thread	Material	Nut	Dimensions (mm)				
A	B	C	⚙					
20340112B	M12x1,5	Steel	50340111	2	57	-	17	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	Ø	
Type M female swivel								
20340602B	9/16"x18UNF	Steel	50540601, 50540605	2	59	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	Ø	
Swivel nut								
50540601	9/16"x18UNF	Steel	1 radial	9,2	18	14	19	
50340111	M12x1.5M12x1,5	Steel	1 radial	8,2	16	9	17	
50540605	9/16"x18UNF	AISI 316Ti	1 radial	9,2	18	14	19	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
1.901418	ID Ø14, OD Ø18	PVC	1001921	
1.901822	ID Ø18, OD Ø22	PVC	-	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9034400	600,00	740,00	6,60	6-10	

Accessories combinations				
Without hose protection				
Description		Bend restrictor	Crimp ring	Securing grips
Securing grip		-	-	9034400
Hose protection without spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.901418	-	1001921	-
with securing grip	1.901822	-	-	9034400

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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