



## 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:** Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)
- Oil and Gas:** Grease injection, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

## 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
9,9 mm	18,4 mm	--	1.500 bar	200 mm	0,690 kg/m	5,5 mm
0,39 inch	0,72 inch	--	21.750 psi	7,87 inch	0,464 lbs/ft	0,22 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
<b>Sleeve</b>							
11040102	-	Steel	23	63,7	-	-	
11040105	-	AISI 316Ti	23	64	-	-	
<b>Blast-Pro® sleeve</b>							
11040232	-	Steel	21	33	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
<b>HP fitting</b>								
41060204C	9/16"x18UNF LH	Stainless steel	-	5,5	114	24	-	

Part no.	Thread	Material	Sleeve	Dimensions (mm)				Blast-Pro® Insert*
				A	B	C	⌀	
<b>Blast-Pro® MP male</b>								
41040244Y	9/16"x18UNF LH	Stainless steel	I 1040232	6	81	25	17	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
<b>Male fitting 60° internal cone</b>								
31060311B	G3/8"	Steel	-	5,5	80	12	17	

<b>Female swivel 24°/60°</b>								
21060304C	G1/2"	Stainless steel	51060311, 51060315	5,5	78	-	27	

<b>Female swivel with O-Ring</b>								
21060204C	M22x1,5	Stainless steel	51060201, 51060205	5,5	90	-	30	
21060224C	M24x1,5	Stainless steel	51320205, 51321206, 51360206	5,5	93	-	32	
21060221B	M24x1,5	Steel	51321206	5,5	92,5	-	32	

<b>Type M female swivel</b>								
21040645B	3/4"x16UNF	AISI 316Ti	51320615	5,5	78	-	24	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
<b>Swivel nut</b>								
51320615	3/4"x16UNF	AISI 316Ti	1 radial	14,2	22,5	17,5	24	
51060311	G1/2"	Steel	1 radial	16,7	23,5	13,5	27	
51060315	G1/2"	AISI 316Ti	1 radial	16,7	23,5	13,5	27	
51060201	M22x1,5	Steel	2 axial	14,2	23	14	30	
51060205	M22x1,5	AISI 316Ti	2 axial	14,2	25	14	30	
51321206	M24x1,5	Steel	2 axial	16,8	23	16	32	
51320205	M24x1,5	AISI 316Ti	1 radial	16,8	23	16	32	



Part no.	Size (mm)	Material	Crimp ring		<b>Hose protection</b>
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<b>Hose protection without spiral</b>					
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1.902531	ID Ø25, OD Ø31	PVC	1003335		
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<b>Hose protection with spiral</b>					
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1.912532	ID Ø25, OD Ø32	PVC	1003438		
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Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)		<b>Hose securing grip</b>
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<b>Hose securing grip short version</b>						
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9086400	600,00	780,00	20,40	15-20		
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<b>Accessories combinations</b>						
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<b>Without hose protection</b>						
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Description	Bend restrictor	Crimp ring	Securing grips
Securing grip	-	-	9086400

<b>Hose protection without spiral</b>						
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Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.902531	-	1003335	-
with securing grip	1.902531	-	-	9086400

<b>Hose protection with spiral</b>						
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Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.912532	-	1003438	-
with securing grip	1.912532	-	-	9086400

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.

We reserve our rights for technical changes without notice. Subject to printing errors.