



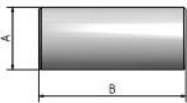
Applications

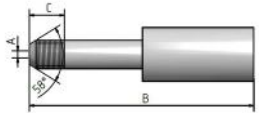
- Waterblast:** Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal)
- Hydraulics:** Pressure test equipment (valves, tooling and control panels)
- Oil and Gas:** Grease injection

Technical Information

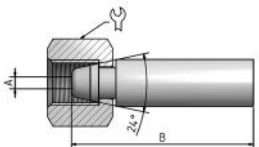
- Inner Core:** Polyamide (PA)
- Pressure Support:** 2 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Green
- Temperature:** -30°C to +60°C [-22°F to 140°F]

Ø ID	Ø OD	Working Pressure -- (SF 2,5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
12,9 mm	19,3 mm	--	690 bar	1.725 bar	200 mm	0,435 kg/m
0,51 inch	0,76 inch	--	10.005 psi	25.010 psi	7,87 inch	0,291 lbs/ft

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
11320101	-	Steel	26	58	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
MP fitting								
41320205A	9/16"x18UNF LH	AISI 316Ti	-	8,5	109	12,7	-	

Male fitting								
Part no.	Thread	Material	Nut	A	B	C	⚙	
31320401A	1/2"x14NPTF	Steel	-	8,5	90	18	22	
31320405A	1/2"x14NPTF	AISI 316Ti	-	8,5	90	18	22	

Female swivel 24°/60°								
Part no.	Thread	Material	Nut	A	B	C	⚙	
21320311A	G1/2"	Steel	51060311	8,5	73	-	27	
21320315A	G1/2"	AISI 316Ti	51060315, 51060311	8,5	73	-	27	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Female swivel with O-Ring								
21320101A	M22x1,5	Steel	51360221	8,5	85	-	30	
21320241A	M24x1,5	Steel	51321206	8,5	80	-	32	
21320245A	M24x1,5	AISI 316Ti	51320205, 51360206	8,5	80	-	32	
Type M female swivel								
21320641A	1"x12UNF	Steel	51360641	8,5	74	-	32	
21320645A	1"x12UNF	AISI 316Ti	51360645, 51360643	8,5	74	-	32	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
51360641	1"x12UNF	Steel	1 radial	16,8	28	22	32	
51360643	1"x12UNF	Stainless steel	1 radial	16,8	28	22	32	
51360645	1"x12UNF	AISI 316Ti	1 radial	16,8	28	22	32	
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	
51360221	M22x1,5	Steel	1 radial	16,8	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	Hose protection
Hose protection with spiral				
1.913038	ID Ø30, OD Ø38	PVC	1004145	

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					
9086400	600,00	780,00	20,40	15-20	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
Hose protection without spiral				
1.903037	ID Ø30, OD Ø39	PVC	1003941	



Accessories combinations

Without hose protection				
Description		Bend restrictor	Crimp ring	Securing grips
Securing grip		-	-	9086400
Hose protection without spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.903037	-	1003941	-
with securing grip	1.903037	-	-	9086400
Hose protection with spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.913038	-	1004145	-
with securing grip	1.913038	-	-	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.

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