

Applications

- Waterblast:** 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)
- Oil and Gas:** Chemical injection, nitrogen service, Gaseous media handling



Technical Information

- Inner Core:** Polyamide (PA)
- 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
18,8 mm	32,8 mm	--	1.600 bar	350 mm	2,170 kg/m	13,0 mm
0,74 inch	1,29 inch	--	23.200 psi	13,78 inch	1,454 lbs/ft	0,51 inch

Part no.	Thread	Material	Nut	Dimensions (mm)				Sleeve
				A	B	C	⚙	
Sleeve								
12060116	-	Steel	-	37,2	91	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
MP fitting								
42060304E	1"x14UNS LH	Stainless steel	-	13	171	30	-	

Female swivel with O-Ring								
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
22060206E	M36x2	Steel	52040201	13	126	-	46	

Type M female swivel								
Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
22060644E	1 5/16"x12UN	Stainless steel	52040645	13	119	-	46	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
52040645	1 5/16"x12UN	AISI 316Ti	1 radial	25,5	31,5	11,5	46	
52040201	M36x2	Steel	1 radial	25,5	38	22	46	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
1.914051	ID Ø40, OD Ø47	PVC	1005054	
1.914553	ID Ø45, OD Ø53	PVC	-	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
PU bend restrictor					
1.954355	PU	1005560	59	450	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9204400	600,00	820,00	35,10	30-40	

Accessories combinations					
Without hose protection					
Description	Bend restrictor	Crimp ring	Securing grips		
Bend restrictor	1.954355	1005560	-		
Securing grip	-	-	9204400		
Hose protection with spiral					
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips	
Protection hose	1.914051	-	1005054	-	
with bend restrictor	1.914553	1.954355	1005560	-	
with securing grip	1.914553	-	-	9204400	

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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