

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:

Bolt tensioning, 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)


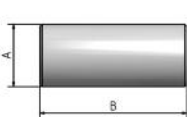
Pressure Support: 6 layers of high-tensile steel wire


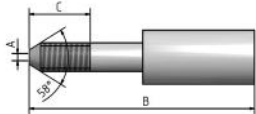
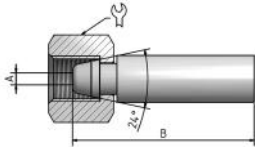
Outer Cover: First: Polyamide (PA), Second: Polyurethane (TPU)

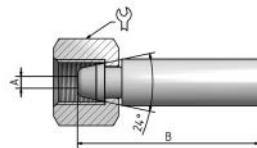
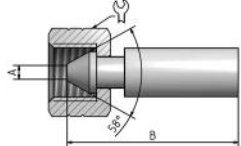
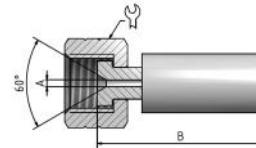
Color: First: orange, second: red


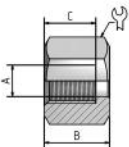
Temperature: -30°C to +60°C [-22°F to 140°F]

Ø ID	Ø OD	Working Pressure -- (SF 2,5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
4,6 mm	18,4 mm	--	2.800 bar	220 mm	0,687 kg/m	2,5 mm
0,18 inch	0,72 inch	--	40.600 psi	8,66 inch	0,460 lbs/ft	0,10 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C		
Sleeve							
10560116	-	Steel	17,9	67,4	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C		
HP fitting								
40560294E	1/4"x28UNF LH	Stainless steel	-	2,5	99	14,3	-	
40560284E	3/8"x24UNF LH	Stainless steel	-	3,2	112	19,1	-	
40560264E	9/16"x18UNF LH	Stainless steel	-	4,8	124	23,8	-	
40560274E	M14x1,5 LH	Stainless steel	-	4,8	124	23,8	-	
Universal female swivel 24°/60°								
20560314E	G1/4"	Stainless steel	50560301	2,5	84	-	22	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	W	
Universal female swivel 24°/60° light								
20560164E	M14x1,5	Stainless steel	50540101	2,5	76	-	19	
Type M female swivel								
20560694E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	77	-	22	
HP female swivel								
20560614E	9/16"x18UNF	Stainless steel	50560605, 50560601	2,5	73	-	22	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
50560601	9/16"x18UNF	Steel	I radial	9,2	18	14	22	
50560605	9/16"x18UNF	AISI 316	I radial	9,2	18	14	22	
50560301	G1/4"	Steel	I radial	9,2	19	11	22	
50540101	M14x1,5	Steel	I radial	9,2	16,5	8,5	19	

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.