

Applications

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: Polyamide (PA)
Pressure Support: 2 layers of high-tensile steel wire
 1 braided layer of steel wire
Outer Cover: Polyurethane (TPU)
Color: Black
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
4,0 mm	9,8 mm	--	1.200 bar	65 mm	0,185 kg/m	2,5 mm
0,16 inch	0,39 inch	--	17.400 psi	2,56 inch	0,124 lbs/ft	0,10 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
10430101	-	Steel	13,1	33,2	-	-	
10430105	-	AISI 316Ti	13,1	32,7	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
HP fitting								
40420205A	1/4"x28UNF LH	AISI 316Ti	-	2,5	69	14	-	

Male fitting								
Part no.	Thread	Material	Nut	A	B	C	⚙	
30420412A	1/16"x27NPTF	Steel	-	2,5	49	8	7	
30420542A	1/8"x27NPTF	Steel	-	2,5	53	10	8	
30420422A	1/4"x18NPTF	Steel	-	2,5	57	14	11	
30420302A	G1/8"	Steel	-	2,5	53	12	9	
30420322A	G1/4"	Steel	-	2,5	55	12	11	
30420042A	M7x1	Steel	-	2,5	54	10	9	
30420052A	M8x1,25	Steel	-	2,5	54	10	9	
30420002A	M10x1	Steel	-	2,5	55	12	8	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Male fitting 100° external cone								
30420362A	G1/4"	Steel	-	2,5	60	18	17	
Male fitting for USIT® Ring								
30420352A	G1/4"	Steel	-	2,5	54,5	11	22	
Male fitting flat seal								
30420382A	G1/8"	Steel	-	2,5	55	13	9	
30420082A	M7	Steel	-	2,5	52	11	7	
Female swivel 24°/60°								
20430302A	G1/4"	Steel	50540301, 50540305	2,5	48	-	19	
Female swivel with O-Ring								
20420042A	M24x1,5	Steel	51321206	2,5	66	-	32	
Type M female swivel								
20420642A	9/16"x18UNF	Steel	50540601	2,5	48,5	-	19	
Swivel nut								
Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⚙	
Swivel nut								
50540601	9/16"x18UNF	Steel	1 radial	9,2	18	14	19	
50540301	G1/4"	Steel	1 radial	9,2	16,5	8,5	19	
50540305	G1/4"	AISI 316Ti	1 radial	9,2	16,5	8,5	19	
51321206	M24x1,5	Steel	2 axial	16,8	23	16	32	
51320205	M24x1,5	AISI 316Ti	1 radial	16,8	23	16	32	

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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