

Applications

Waterblast:

Heat exchanger tube cleaning

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)

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)

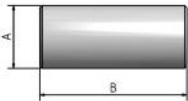
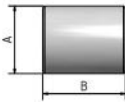
Color:

Grey

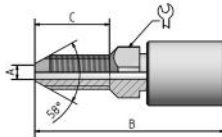
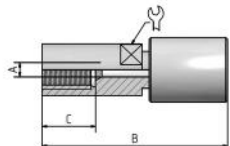
Temperature:

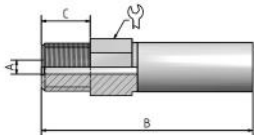
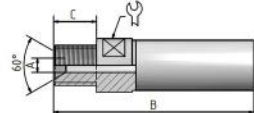
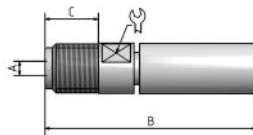
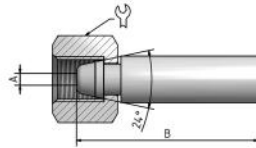
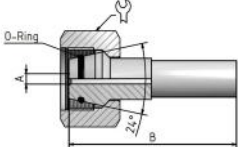
-30°C to +70°C [-22°F to 158°F]

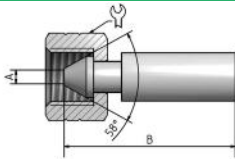
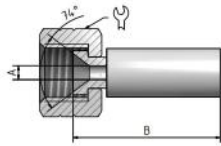
Ø ID	Ø OD	Working Pressure -- (SF 2.5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
6,3 mm	12,6 mm	--	1.500 bar	180 mm	0,295 kg/m	3,5 mm
0,25 inch	0,50 inch	--	21.750 psi	7,09 inch	0,198 lbs/ft	0,14 inch

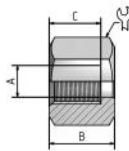
Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C		
Sleeve							
I0640101	-	Steel	16,4	47,5	-	-	
I0640105	-	AISI 316Ti	16,4	47,1	-	-	
Blast-Pro® sleeve							
I0640232	-	Steel	14,5	26	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C		
HP fitting								
40640205B	3/8"x24UNF LH	AISI 316Ti	-	3,5	90	20	-	

Part no.	Thread	Material	Sleeve	Dimensions (mm)					Blast-Pro® Insert*
				A	B	C			
Blast-Pro® HP fitting									
40640214Y	3/8"x24UNF LH	Stainless steel	10640232	4	52	21	12		
Blast-Pro® HP female									
40640234Y	3/8"x24UNF	Stainless steel	10640232	4	50	15	12		

Part no.	Thread	Material	Nut	Dimensions (mm)					Insert
				A	B	C			
Male fitting									
30640401B	1/4"x18NPTF	Steel	-	3,5	70	14	14		
Male fitting 60° internal cone									
30640301B	G1/4"	Steel	-	3,5	67	12	14		
Male fitting flat seal									
30640011B	M8x1.25	Steel	-	3,5	68	12	8		
Female swivel 24°/60°									
20640301B	G1/4"	Steel	50540301, 50540305	3,5	62	-	19		
Female swivel with O-Ring									
20640241B	M18x1,5	Steel	50620201	3,5	72	-	22		
20640202B	M24x1,5	Steel	51321206	3,5	81	-	32		

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C		
Type M female swivel								
20640641B	9/16"x18UNF	Steel	50540601	3,5	63	-	19	
20640645B	9/16"x18UNF	AISI 316Ti	50540605	3,5	63	-	19	
JIC female swivel								
20640655B	9/16"x18UNF	AISI 316Ti	50540605	3,5	58	-	19	

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	
50540605	9/16"x18UNF	AISI 316Ti	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	
50620201	M18x1,5	Steel	1 radial	9,2	22	12	22	
51321206	M24x1,5	Steel	2 axial	16,8	23	16	32	

Part no.	Size (mm)	Material	Crimp ring	Hose protection
Hose protection without spiral				
I.901822	ID Ø18, OD Ø22	PVC	I002426	
I.902026	ID Ø20, OD Ø26	PVC	-	
Hose protection with spiral				
I.912026	ID Ø19, OD Ø26	PVC	I003035	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
Rubber bend restrictor					
I.9518600	Rubber	I003035	34	126	

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					
9056400	600,00	740,00	10,20	10-15	
Hose securing grip long version					
905640L	600,00	990,00	10,20	10-15	

Accessories combinations				
Without hose protection				
Description		Bend restrictor	Crimp ring	Securing grips
Bend restrictor		1.9518600	1003035	-
Securing grip		-	-	9056400
Bend restrictor and securing grip		1.9518600	1003035	905640L
Hose protection without spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.901822	-	1002426	-
with bend restrictor	1.901822	1.9518600	1003035	-
with securing grip	1.902026	-	-	9056400
with bend restrictor and securing grip	1.902026	1.9518600	1003035	905640L
Hose protection with spiral				
Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.912026	-	1003035	-
with bend restrictor	1.912026	1.9518600	1003035	-
with securing grip	1.912026	-	-	9056400
with bend restrictor and securing grip	1.912026	1.9518600	1003035	905640L

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.