



Applications

- Hydraulics:** Hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)
- Oil and Gas:** Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, control of subsea hydraulic components, nitrogen service

Technical Information

- Inner Core:** BESNO P40 TLO (PA I I)
- Pressure Support:** 2 open layers, 2 dense layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Dark blue
- Temperature:** -30°C to +60°C [-22°F to 140°F]

Ø ID	Ø OD	Working Pressure		Burst Pressure	Bend Radius	Weight	Insert ID
		(SF 2.5:1)	(SF 4.0:1)				
12,7 mm	20,8 mm	1.100 bar	690 bar	2.760 bar	150 mm	0,630 kg/m	8,5 mm
0,50 inch	0,82 inch	15.950 psi	10.000 psi	40.000 psi	5,91 inch	0,422 lbs/ft	0,33 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
I1330181W	-	Steel	27,8	64	-	-	
I1330185W	-	AISI 316Ti	27,8	64	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Male fitting								
31320401M	1/2"x14NPT	Steel	-	8,5	104	18	22	

Type M female swivel								
21320645M	1"x12UNF	AISI 316Ti	51360645	8,5	86	-	32	

JIC female swivel								
21320615M	3/4"x16UNF	AISI 316Ti	51320615	8,5	79	-	24	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
51320615	3/4"x16UNF	AISI 316Ti	1 radial	14,2	22,5	17,5	24	
51360645	1"x12UNF	AISI 316Ti	1 radial	16,8	28	22	32	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9106400	600,00	800,00	20,40	20-25	

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.