Hose Type 16mm Hydrogen

1640061

ID16 - Series: W

Applications

Oil and Gas: Transferhose for Hydrogen

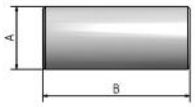
Technical Information

Inner Core: Polyoxymethylene (POM) with low permeation
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyamide (PA)
Color: purple
Temperature: -40°C to +65°C [-40°F to 150°F]

Ø ID	Ø OD	Working Pressure --	Working Pressure (SF 5,0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
15,8 mm	25,7 mm	--	600 bar	3.000 bar	300 mm	1,150 kg/m	10,5 mm
0,62 inch	1,01 inch	--	8.700 psi	43.500 psi	11,81 inch	0,773 lbs/ft	0,41 inch

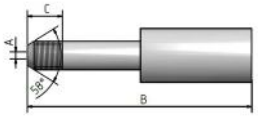
Sleeve

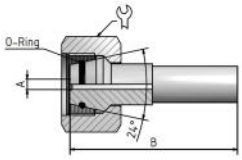
Part no.	Thread	Material	Dimensions (mm) A	B	C	
Sleeve						
11640125	-	AISI 316	31,8	79	-	-



Insert

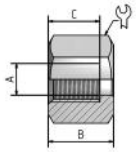
Part no.	Thread	Material	Nut	Dimensions (mm) A	B	C	
MP fitting							
41640307W	3/4"x16UNF LH	Stainless steel	-	10,5	124	15,9	-
Female swivel with O-Ring							
21640207W	M30x2	Stainless steel	51640205	10,5	101,5	-	36





Swivel nut

Part no.	Thread	Material	Relief bores	Dimensions (mm) A	B	C	
Swivel nut							
51640205	M30x2	AISI 316	3 radial	20,5	28	18	36



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Bend restrictor

Part no.	Material	Crimp ring	Dimensions (mm) Ø	Length
PU bend restrictor				
1.953545	PU	1005054	54	350

Hose securing grip

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)
Hose securing grip short version				
9136400-ES	600,00	800,00	24,30	25-30

Hose securing grip long version				
913640L-ES	600,00	1.070,00	24,30	25-30

Important Information!

This hose must not be used in vehicles.

The outer cover is non conductive. The electrical resistance from end fitting to end fitting is < 0,3 Ohm/m.
The outer cover of the hose has to be pin pricked.
The high-pressure hose assembly has to be secured at both ends by an appropriate retaining device (hose arrestor) against lashing or whipping around in case of a break or the hose fitting being pulled out.
The hose assembly has to be exchanged every 2 years in service or after a pull out event.

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.