Hose Type 10mmHydrogen

10H20261

ID10 - Series: W

Applications

Hydrogen: Hydrogen service , Connecting hose from dispenser to fuelling nozzle for gaseous compressed hydrogen , Transferhose for Hydrogen , Trailer filling

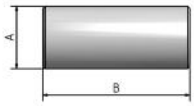
Technical Information

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

Ø ID	Ø OD	Working Pressure --	Working Pressure (SF 4,0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
9,9 mm	18,6 mm	--	962,5 bar	3.850 bar	180 mm	0,640 kg/m	7,5 mm
0,39 inch	0,73 inch	--	13.956 psi	55.825 psi	7,09 inch	0,430 lbs/ft	0,30 inch

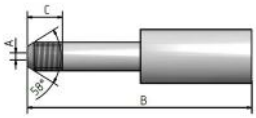
Sleeve

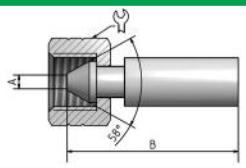
Part no.	Thread	Material	Dimensions (mm) A	B	C	
Sleeve						
11040115	-	AISI 316	25,2	68,5	-	-



Insert

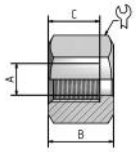
Part no.	Thread	Material	Nut	Dimensions (mm) A	B	C	
MP fitting							
41040307W	3/4"x16UNF LH	Stainless steel	-	11,1	116	15,9	-
Type M female swivel							
21040607W	3/4"x16UNF	Stainless steel	51320615	7,5	82,5	-	24





Swivel nut

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



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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				
9086400-ES	600,00	780,00	12,90	15-20
Hose securing grip long version				
908640L-ES	600,00	990,00	12,90	15-20

Accessories combinations

Without hose protection

Description		Bend restrictor	Crimp ring	Securing grips
Securing grip	-	-	-	9086400-ES
Bend restrictor and securing grip	-	1.9523406E	1004145	908640L-ES

Important Information!

This hose must not be used in vehicles (land, water and air vehicles transporting people or goods).
Any other use is prohibited.

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 hose assembly has to be exchanged every 2 years in service or after a pull out event.
Each hose assembly will be tested with water and helium according ISO 19880-5 before shipping.

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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