

Hose Type 6mm Hydrogen

640061

SPIR STAR®

ID6 - Series: W

Applications

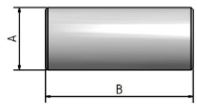
Oil and Gas: Connecting hose from dispenser to fuelling nozzle for gaseous compressed hydrogen

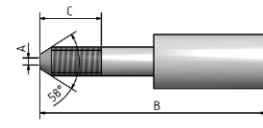
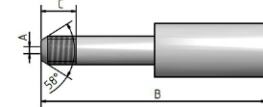
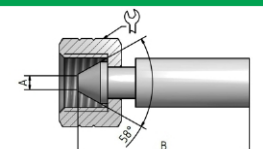
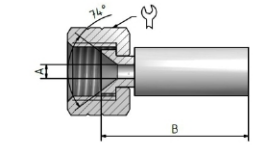
Technical Information

Inner Core: Polyoxymethylene (POM) with low permeation rate
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyamide (PA)
Color: purple
Temperature: -40°C to +85°C [-40°F to 185°F]



Ø ID	Ø OD	Working Pressure -- (SF 4,0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
6,3 mm	12,6 mm	--	962,5 bar	180 mm	0,295 kg/m	4,5 mm
0,25 inch	0,50 inch	--	13.956 psi	7,09 inch	0,198 lbs/ft	0,18 inch

Part no.	Thread	Material	Nut	Dimensions (mm)				Sleeve
				A	B	C	⌀	
Sleeve								
10640125	-	AISI 316	-	16,4	49	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
HP fitting								
40640207W	3/8"x24UNF LH	Stainless steel	-	4,5	89	19,1	-	
MP fitting								
40640307W	3/8"x24UNF LH	Stainless steel	-	4,5	87	11,1	-	
40640317W	9/16"x18UNF LH	Stainless steel	-	4,5	99	12,7	-	
Type M female swivel								
20640607W	9/16"x18UNF	Stainless steel	50540605	4,5	62	20	19	
JIC female swivel								
20640617W	9/16"x18UNF	Stainless steel	50540605	4,5	57	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
STAR-Crimp								
60640609W	7/16"x20UNF	Stainless steel	incl.	4,5	61	-	17	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
50540605	9/16"x18UNF	AISI 316	1 radial	9,2	18	14	19	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			⌀	Length	
PU bend restrictor					
1.9518306A	PU	1003035	34	250	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9056400-ES	600,00	800,00	10,20	10-15	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip long version
905640L-ES	600,00	990,00	10,20	10-15	



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 $< 0,3 \text{ Ohm/m}$.

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.

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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