

Hose Type

6mm Hydrogen



Applications

Connecting hose from dispenser to fuelling nozzle for gaseous compressed hydrogen.

This hose must not be used in vehicles.

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



Ø ID	Ø OD	Working Pressure	Burst Pressure ¹⁾	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0,25 inch	0,50 inch	12.700 psi	50.800 psi	7,09 inch	0,198 lbs/ft	0,177 inch	10640105 AISI 316Ti	0,65 inch
6,3mm	12,6 mm	875 bar	3.500 bar	180 mm	0,295 kg/m	4,5 mm		16,4 mm

Fittings: ID6, Series W

Description	Size	Material	Part Number	
Type M female swivel	9/16"x18 UNF	special grade stainless steel	20640607W	
		AISI 316Ti stainless steel	50540605	

----- Additional fittings are available upon request. -----

Important Information!

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.

¹⁾Production related variations up to 5 % are possible

^{*)} 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 can be less. We reserve our rights for changes without notice.

