

## » Fueling nozzle TK17 H<sub>2</sub> 35 MPa

### DESCRIPTION



#### Features

- Type C nozzle acc. to SAE J2600:2002, paragraph 5.2
- Left or right single-handed operation
- Compatible with WEH® TN1 H<sub>2</sub> Receptacle profile
- WEH® EASY-TURN 250° swivel joint
- Easy operation
- High flow rate → short filling times
- Protection against impact and cold
- Plastic thermal protection
- Hand grip with magnet
- WEH® Jaw locking mechanism
- High-grade materials
- Coding for pressure range / gas type

The WEH® TK17 H<sub>2</sub> 35 MPa Fueling nozzle was developed for refueling cars with compressed, gaseous hydrogen (CGH<sub>2</sub>).

It is equipped with the same outstanding features as all other WEH® TK17 H<sub>2</sub> Fueling nozzles:

The integrated swivel joint allows a free rotation of the coupling by approx. 250° and the hand grip has a magnet for actuation of the magnet switch for activation of the dispenser.

The internal coding for pressure range and gas type ensures that the TK17 H<sub>2</sub> 35 MPa can be connected to the compatible WEH® Receptacles according to the opposite table and also prevents the risk of confusion with natural gas.

The WEH® TK17 H<sub>2</sub> 35 MPa offers optimum safety for the operator thanks to the locking mechanism. The fueling nozzle remains connected to the receptacle until the locking mechanism is released by the operator.

		TN1 H <sub>2</sub>			
		25 MPa	35 MPa	35 MPa HF*	70 MPa
TK17 H <sub>2</sub> 35 MPa	35 MPa		✓	✓	✓

\* HF = High-Flow

#### Application

Fueling nozzle for hydrogen fast filling of cars at self-service fueling stations.

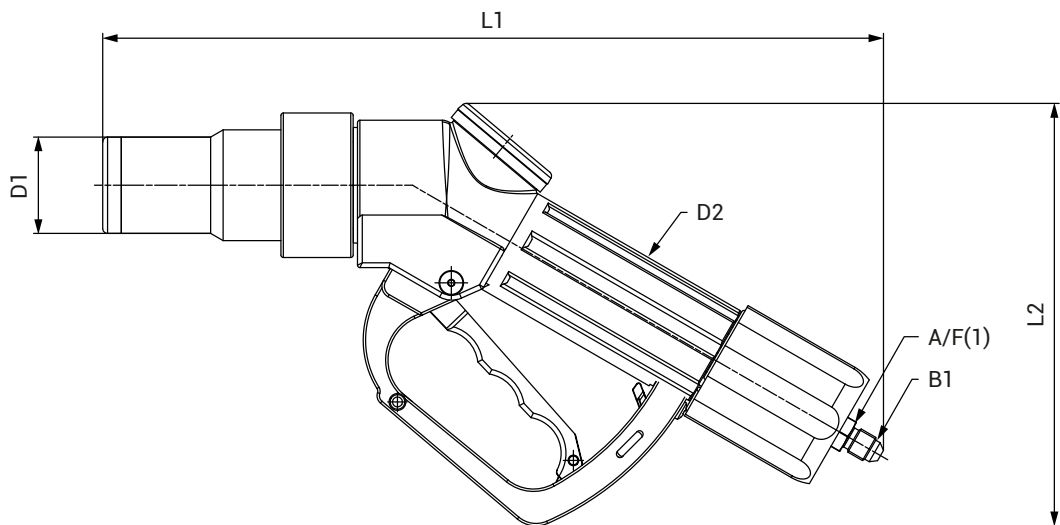
### TECHNICAL DATA

Characteristics	Basic version
Nominal bore (DN)	4 mm
Pressure range	PN = 35 MPa (5,000 psi)   PS = 45 MPa
Temperature range	-40 °C up to +85 °C [-40 °F up to +185 °F]
Medium note	Suitable for pre-cooled hydrogen
Material	Corrosion resistant
Sealing material	Hydrogen resistant
Nozzle type	Type C acc. to SAE J2600:2002, paragraph 5.2
Design	With plastic thermal protection, cold protection and hand grip with magnet
Weight	Approx. 1.8 kg (3.97 lbs.)
Conformity / Tests / Approvals	Tests acc. to SAE J2600:2002

# Fueling nozzle TK17 H<sub>2</sub> 35 MPa

## ORDERING | WEH® TK17 H<sub>2</sub> 35 MPa Fueling nozzle

approx. dimensions (mm)



Part no.	Description	Pressure (PN)	B1 (male thread)	L1	L2	D1	D2	A/F(1)
C1-162700	TK17 H <sub>2</sub> 35 MPa	35 MPa / 5,000 psi	UNF 7/16"-20*	333	175	40	46	14

\* acc. to SAE J514, 37° cone

Fueling assemblies consisting of fueling nozzle, hose set and breakaway coupling are available on request.

## ACCESSORIES

The following accessories are available for the WEH® TK17 H<sub>2</sub> 35 MPa Fueling nozzle:

### Hose set

Hose set for connecting fueling nozzle and TSA1 H<sub>2</sub> breakaway coupling, complete with filling hose (for pre-cooled hydrogen) and braided protection hose as cover.

Design filling hose: max. operating pressure PS: 45 MPa / nominal bore (DN): 6 mm / temperature range: -40 °C up to +65 °C [-40 °F up to +149 °F]



Part no.	B1/B2 (female thread)	Hose length
E68-162705	UNF 7/16"-20*	3 m
E68-162706	UNF 7/16"-20*	4 m
E68-162707	UNF 7/16"-20*	5 m

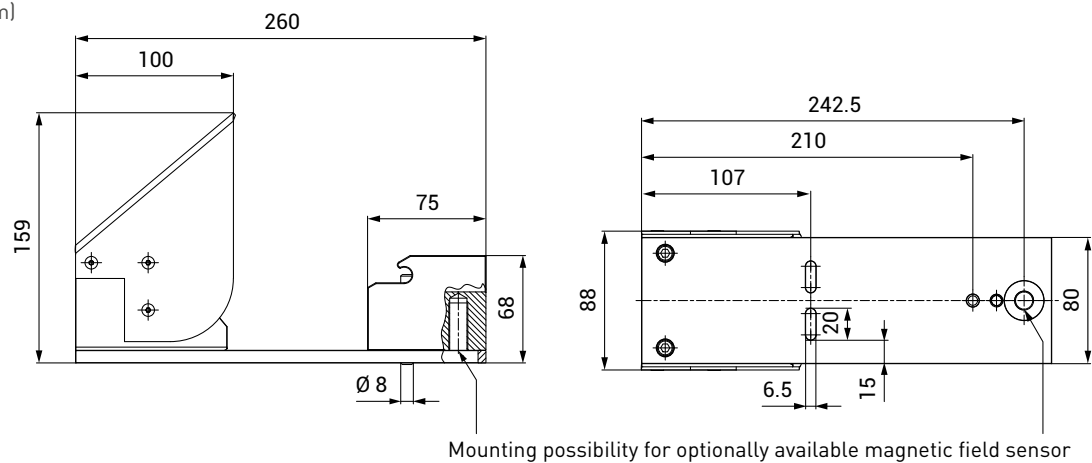
\* acc. to SAE JIC, 37° sealing cone

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Dispenser mounting

Mounting for safe attachment of the fueling nozzle to the dispenser. Optionally a magnetic field sensor can be installed.

approx. dimensions (mm)



Part no.	Description
C1-143641	Dispenser mounting (switch actuated) with weather protection and special cover for impact protection
E68-123980	Magnetic field sensor with 2 m cable, explosion-proof acc. to ATEX

TNS1 H<sub>2</sub> Service receptacle

To prevent damage in the fueling nozzle while purging or leak testing during maintenance in the course of which pressure is applied, we recommend the use of a service receptacle. The receptacle also protects the fueling nozzle from dirt ingress whilst not in use.



Part no.	Description
C1-148079	TNS1 H <sub>2</sub> Service receptacle incl. protection cap

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### SPARE PARTS

Various parts are available as spares for the WEH® TK17 H<sub>2</sub> 35 MPa Fueling nozzle.



Part No.	Description
<b>E80-80187</b>	1 Impact protection
<b>E80-84030</b>	2 Locking lever
<b>E69-161748</b>	3 Logo cap
<b>E80-59738</b>	3 Label plate
<b>E80-162272</b>	4 Plastic thermal protection (cold protection)
<b>E99-44923</b>	Maintenance spray

When ordering please specify the part no. engraved on the fueling nozzle.