

Type **TW59**

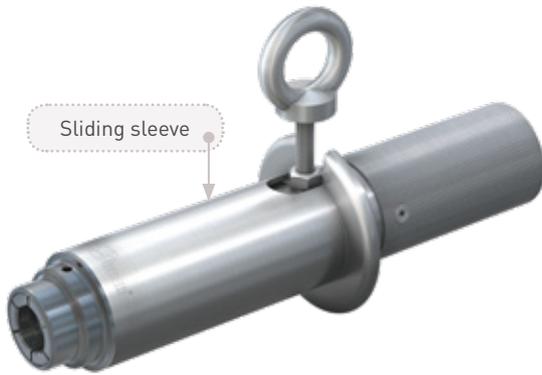
WEH[®] Connector for filling of gas cylinders

with propane and butane



General

DESCRIPTION



Features

- Suitable for filling of propane and butane
- Connection in seconds
- No hand tightening required
- Integrated shut-off valve
- WEH® Jaw locking mechanism
- Single-handed operation
- Robust construction
- High-grade materials

The type TW59 quick connector is specifically designed for the filling of gas cylinders with propane and butane and represents a major step in the technology of safe application, economy, ergonomics and flexibility.

Type TW59 provides an intrinsically safe connection. The seal between the quick connector and the gas cylinder valve is mechanically actuated and the sealing force is increased by the gas filling pressure. This means that there is no need for a compressed air safety reservoir, the air supply is used to withdraw the seal when connecting / disconnecting in order to achieve effortless operation.

If needed, a second pneumatic inlet is provided for pilot pressure. This can be used to indicate the operational condition of the connector – i.e. whether connected or disconnected – and could for example be used to automatically begin the loading and unloading of the gas cylinders from the filling station.

No additional valves required

The integrated shut-off valve prevents the leakage of gas when connecting and disconnecting. The gas flow is immediately interrupted when disengaging the pressurized connector.

Safety tested

The type TW59 is TÜV tested and meets the requirements of the technical regulations for gases (TRG).

Application

Quick connector for filling of gas cylinders with propane and butane on connection acc. to DIN 477 part 1 Nr. 1 and 2

TECHNICAL DATA

Characteristic	Basic version
Pressure range	PN = 24 bar PS = 30 bar PT = 45 bar
Pilot pressure	6 - 8 bar
Pilot pressure port P1	M5
Pilot pressure port P2	M5 - if this feature is not required the port must be fitted with a blanking plug (factory fitted)
Temperature range	+5 °C up to +95 °C
Connection A	Connection acc. to DIN 477 part 1 no. 1 and 2
Medium	Propane, butane
Actuation	Manual actuation via sliding sleeve (pneumatically supported)
Material	Corrosion resistant stainless steel, aluminium
Sealing material	Acc. to gas type
Registration	TÜV test available

Other designs on request

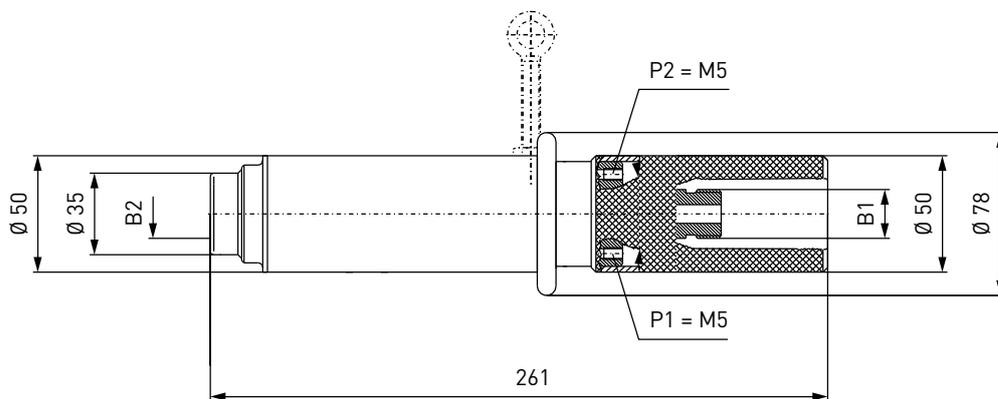
Example of use:



Ordering / Accessories

ORDERING | Quick connector TW59

approx. dimensions (mm)



Part No.	Description	Inlet B1 (external thread)	Connection B2 (external thread)
C1-10291	TW59	W21.8x1/14"* LH	W21.8x1/14"* LH

acc. to DIN 477 part 1

Other connector sizes and versions on request.

Required information for ordering see page 7, catalogue no. 20.

ACCESSORIES

The following accessories are available for type TW59:

Spare parts

Various parts are available as spares for type TW59:

Part No.	Description
E51-101N	Special seal

Other products

OTHER PRODUCTS

You will find more products in our current catalogue no. 20



Further information on our homepage
www.weh.com

Abbreviations/Definition

Explanation of abbreviations see technical appendix in the catalogue or www.weh.com

Safe product selection

Our WEH® Products are designed to be operated by qualified professional users (insofar as WEH® Products are also designed to be operated by other users in individual cases, this is explicitly stated in the corresponding operating instructions). You alone are responsible for the selection of WEH® Products and their configuration according to the requirements of your system. In doing so, please particularly consider your intended use, your performance data, your material compatibility, your system concept and your system limits as well as your technical and legal requirements for operation, handling and maintenance. The quality and safety of WEH® Products is our highest priority. For this reason, WEH® Products may not be used outside the specifications in the relevant data sheets and product descriptions. We also strongly recommend that you refrain from using third-party spare parts or a combination of WEH® Products with unsuitable third-party products. You alone are responsible for reviewing the suitability of third-party products. WEH® Products and WEH® Spare parts comply with our quality and safety standards.

Explanation on the Pressure Equipment Directive

These WEH® Products are generally and exclusively classified as pressure accessories for piping in accordance with Article 2 (5) of the Pressure Equipment Directive 2014/68/EU. These WEH® Products may not be used (i) as safety accessories or (ii) for vessels as defined by the Pressure Equipment Directive 2014/68/EU. Therefore, the application of these WEH® Products must comply with their classification as pressure accessories for piping. The assessment with regard to a different classification can, however, be made on request.

External change management

WEH reserves the right to update, optimise and adjust its products continuously. This may result in corresponding changes of the product. Customers will be informed proactively or unsolicited by WEH only in individual cases about product updates, product optimisations and/or product adaptations that have been carried out. You are free to contact WEH at any time to request information about any product updates, product optimisations and/or product adjustments.

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» Contact

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