

Type **TW141L**

WEH[®] Connector for pressure and function testing
of straight tubes



General

DESCRIPTION



Features

- Connection in seconds
- No hand tightening required
- For connection onto straight tubes, sealing on the external diameter
- No lateral forces generated on connection
- WEH® Jaw locking mechanism
- Ergonomic design
- High-grade materials

The WEH® TW141L Quick Connector has been developed for difficult to access test pieces. The extended jaws allow connection to difficult to reach tubes in narrow spaces - heat exchangers are a typical example. The design ensures that disconnection is not possible whilst still under pressure.

Application

Quick connector for pressure and function testing of straight tubes, as for example leak testing of heat exchangers, air conditioning components, tube assemblies and automotive fuel systems. Filling of closed cooling circuits with refrigerants.

TECHNICAL DATA

Characteristic	Basic version
Operating pressure PS	Vacuum up to max. 1,450 psi
Temperature range	+14 °F up to +176 °F
Leak rate	1×10^{-3} mbar x l/s
Medium	Refrigerants, air, gas, water, oil, etc. [please indicate when ordering]
Actuation	Manual actuation via hand lever
Surface finish of test piece	$\leq R_z8 \mu\text{m}$ - surfaces greater than $R_z8 \mu\text{m}$ are not recommended
Material hardness of test piece	Max. hardness 28 HRC Connection to copper tubes
Material	Housing: anodized aluminium Clamping jaw assembly: corrosion-resistant stainless steel
Sealing material	Dependant on medium

Other designs on request

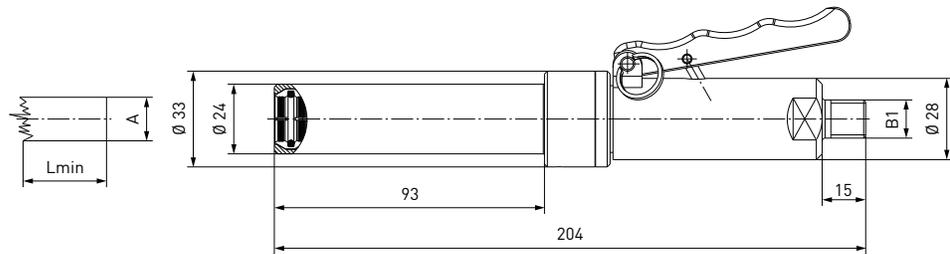
Example of use:



Ordering

ORDERING | WEH® TW141L Quick Connector

approx. dimensions (mm)



Part No.	Sealing range Ø A	Tolerance	Inlet B1 (male thread)	Lmin*
C1-16422	15.0	± 0.1	NPT 1/4"	15

* Lmin: minimum length required for insertion of test piece

Other connector sizes and versions on request.

ACCESSORIES

The following accessories are available for WEH® TW141L:

Adaptors / Plugs

Different adaptors for other media inlets are available. If the connector is to be used as a plug, the media inlet 'B1' can be sealed.



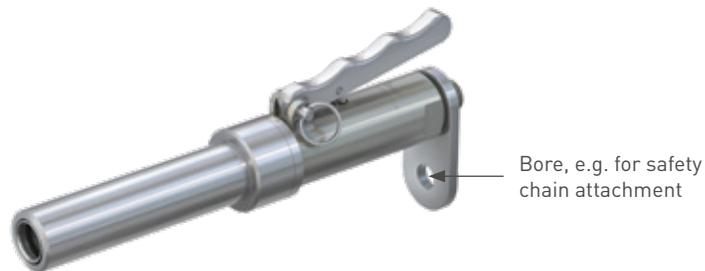
Adaptor

Plug

Part No.	Description	Thread
C1-30810	Adaptor	NPT 1/4" female thread - G1/4" female thread
C1-30366	Adaptor	NPT 1/4" female thread - G1/4" male thread
E29-934p	Adaptor	NPT 1/4" female thread - UNF 7/16" male thread
E29-900p	Plug	NPT 1/4" female thread

Anchor plate

WEH offers an anchor plate to create a safe, secure attachment for the TW141L.



Part No.	Description
C1-45285	Anchor plate for TW141L

Other products

OTHER PRODUCTS

You will find more products in our current catalog no. 40



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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» Contacting

For queries and further information, please do not hesitate to contact us.

Manufacturer:

WEH GmbH Precision Connectors

Josef-Henle-Str. 1
89257 Illertissen / Germany

Phone: +49 7303 9609-0
Fax: +49 7303 9609-9999

Email: sales@weh.com
www.weh.com