

# Type **TW04**

**WEH<sup>®</sup> Connector for pressure and vacuum testing**  
of components with external thread



General

**DESCRIPTION**



**Features**

- Pressure-tight connections by hand-tightening
- Simple seal replacement
- Ergonomic design
- High-grade materials

The WEH® TW04 Quick connector provides fast leak tight connections to components with external threads for testing, filling, plugging and venting.

Only hand-tighten the connector onto the thread until the o-ring seal contacts the test piece. The TW04 seals without wrenches, sealants or tape. NBR seals meet most industrial requirements.

**Application**

Quick connector for pressure and vacuum testing of components with external thread, e.g. fittings, fixtures, tubes, boilers, tanks, radiators, etc.

**TECHNICAL DATA**

Characteristics	Basic version
Max. allowable operating pressure PS	Vacuum up to 50 bar
Temperature range	+5 °C up to +80 °C
Leak rate	$1 \times 10^{-3}$ mbar x l/s
Material	Corrosion resistant stainless steel
Sealing material	Front seal of polyurethane or NBR

Other designs on request

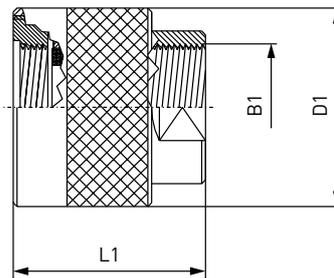
**Example of use:**



Ordering

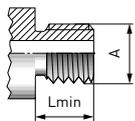
**ORDERING** | WEH® TW04 Quick connector

approx. dimensions (mm)



Body size	B1 (internal thread)	D1	L1
1	G1/8"	22.0	35.5
2	G1/4"	27.0	40.5
3	G3/8"	32.0	38.0
5	G1/2"	37.0	51.0
6	G3/4"	44.0	52.0
7	G1"	52.0	60.0

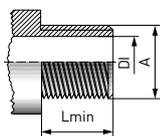
Whitworth tube thread to ISO 7/1 or DIN EN ISO 228-1 - Plane surface smooth and burr free



Part no.	Body size	Thread A (external thread)	Lmin*
<b>C1-12405</b>	1	G1/8"	12.0
<b>C1-12412</b>	2	G1/4"	12.0
<b>C1-12421</b>	3	G3/8"	12.0
<b>C1-12429</b>	5	G1/2"	12.0
<b>C1-12438</b>	6	G3/4"	12.0
<b>C1-12446</b>	7	G1"	12.0

\* Lmin: minimum thread length  
Other connector sizes on request

NPT thread (ANSI/ASME B1.20.1-1983) - acc. to SAE J476a, plane surface smooth and burr free



Part no.	Body size	Thread A (external thread)	DI max.	Lmin*
<b>C1-12404</b>	1	NPT 1/8"	5.0	10.0
<b>C1-12411</b>	2	NPT 1/4"	7.0	14.0
<b>C1-12420</b>	3	NPT 3/8"	10.5	14.0
<b>C1-12428</b>	5	NPT 1/2"	14.0	19.0
<b>C1-12437</b>	6	NPT 3/4"	18.0	19.0
<b>C1-12445</b>	7	NPT 1"	24.0	20.5

\* Lmin: minimum thread length  
Other connector sizes on request

Other connector versions on request.

Required information for ordering see page 7, catalogue no. 35.

Accessories

**ACCESSORIES**

The following accessories are available for the WEH® TW04:

**Screw plug for plug version**

If the WEH® Connector is to be used as a plug, the media inlet 'B1' will be sealed with a screw plug of brass (PVC sealing ring) for low pressure range. It is recommended that the media compatibility of the seal be tested by the customer!



Part no.	Description	Connection (external thread)	Pressure range
<b>E69-9200</b>	Screw plug (low pressure)	G1/8"	0 - 50 bar
<b>E69-9210</b>	Screw plug (low pressure)	G1/4"	0 - 50 bar
<b>E69-9220</b>	Screw plug (low pressure)	G3/8"	0 - 50 bar
<b>E69-9230</b>	Screw plug (low pressure)	G1/2"	0 - 50 bar
<b>W9338</b>	Screw plug (low pressure)	G3/4"	0 - 50 bar

**Other products****OTHER PRODUCTS**

You will find more products in our current catalogue no. 35



Further information on our homepage  
[www.weh.com](http://www.weh.com)

**Abbreviations/Definition**

Explanation of abbreviations see technical appendix in the catalogue or [www.weh.com](http://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.

© All rights reserved, WEH GmbH. Any unauthorized use is strictly forbidden. Subject to alteration.  
No liability will be assumed for any content. Herewith previous versions are no longer valid.

**» Contact**

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

Email: [sales@weh.com](mailto:sales@weh.com)

[www.weh.com](http://www.weh.com)