

Type **TW04**

WEH[®] 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	1×10^{-3} mbar x l/s
Material	Corrosion resistant stainless steel
Sealing material	Front seal of polyurethane or NBR
Conformity / Tests / Approvals	Pressure Equipment Directive 2014/68/EC

Other designs on request

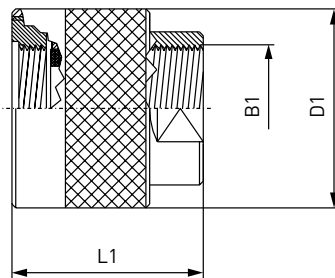
Example of use:



Ordering

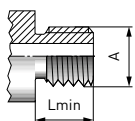
ORDERING | WEH® TW04 Quick connector

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

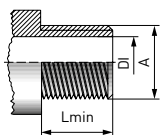
Whitworth tube thread to ISO 7/1 or DIN EN ISO 228-1 - Plane surface smooth and burr free



Part no.	Body size	Thread A (external thread)	Lmin*
C1-12405	1	G1/8"	12.0
C1-12412	2	G1/4"	12.0
C1-12421	3	G3/8"	12.0
C1-12429	5	G1/2"	12.0
C1-12438	6	G3/4"	12.0
C1-12446	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*
C1-12404	1	NPT 1/8"	5.0	10.0
C1-12411	2	NPT 1/4"	7.0	14.0
C1-12420	3	NPT 3/8"	10.5	14.0
C1-12428	5	NPT 1/2"	14.0	19.0
C1-12437	6	NPT 3/4"	18.0	19.0
C1-12445	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
E69-9200	Screw plug (low pressure)	G1/8"	0 - 50 bar
E69-9210	Screw plug (low pressure)	G1/4"	0 - 50 bar
E69-9220	Screw plug (low pressure)	G3/8"	0 - 50 bar
E69-9230	Screw plug (low pressure)	G1/2"	0 - 50 bar
W9338	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

» **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
Fax: +49 7303 9609-9999

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