

Type **TW05**

WEH[®] Connector for pneumatic pressure and function testing
of components with internal thread



General

DESCRIPTION



Features

- Connection in seconds
- No hand tightening required
- WEH® Jaw locking mechanism
- Simple seal replacement
- Ergonomic design
- Compact design
- High-grade materials
- Automation possible

With the WEH® TW05 Quick connector pneumatic components are tested faster than ever before. Connecting and pressure impacting of the test piece is accomplished in one operation by simple actuation of the sliding sleeve. In this way, costly testing times are shortened and the quick connector pays for itself in a very short time.

Application

Quick connector for pneumatic pressure and function testing of components with internal thread, e.g. cylinders, valves, fixtures, pivot drives etc.

Note: For using the WEH® Connectors with pneumatic actuation and clamping jaws in an automated system please observe the technical note on page 69 in catalogue no. 35.

TECHNICAL DATA

Characteristics	Basic version
Max. allowable operating pressure PS	5 - 12 bar compressed air
Temperature range	+5 °C up to +80 °C
Leak rate	1 x 10 ⁻³ mbar x l/s
Material	Clamping jaws: Corrosion-resistant stainless steel Outer parts: Anodized aluminium
Sealing material	Front seal of NBR

Other designs on request

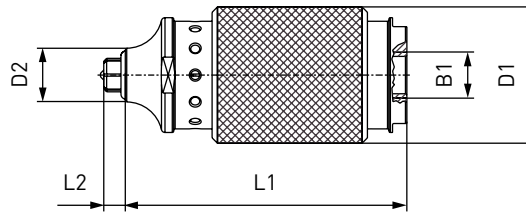
Example of use:



Ordering

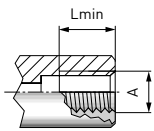
ORDERING | WEH® TW05 Quick connector

approx. dimensions (mm)



Body size	B1 (internal thread)	D1	D2	D3	L1	L2
1	G1/4"	38.0	15.0	-	78.5	6.0
2	G1/4"	38.0	19.0	-	78.5	6.0
3	G1/2"	48.0	23.5	-	82.5	6.5
4	G1/2"	48.0	27.0	-	83.0	6.0

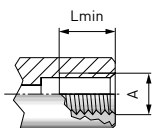
Whitworth tube thread to DIN EN ISO 228-1 - acc. to DIN 3852 part 2, form X and Y



Part no.	Body size	Thread A (internal thread)	Lmin*
TW05-W8000-045	1	G1/8"	7.0
TW05-W8001-045	2	G1/4"	9.5
TW05-W8002-085	3	G3/8"	10.5
TW05-W8003-085	4	G1/2"	10.5

* Lmin: minimum thread length
Other connector sizes on request

NPT thread (ANSI/ASME B1.20.1-1983) - acc. to SAE J476a



Part no.	Body size	Thread A (internal thread)	Lmin*
TW05-W8006-045	1	NPT 1/8"	7.0
TW05-W8007-045	2	NPT 1/4"	9.5
TW05-W8008-085	3	NPT 3/8"	10.5
TW05-W8009-085	4	NPT 1/2"	10.5

* Lmin: minimum thread length
Other connector sizes on requeste

Other connector versions on request.

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

Other products

OTHER PRODUCTS

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



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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