gepef

Special Test Connectors

QUICK CONNECTORS – INTRODUCTION

Quick Connectors

For pressure testing, functional testing, filling and plugging.
WEH is one of the leading manufacturers of quick connectors for pressure and function testing. For over 40 years, the unique jaw locking mechanism developed by WEH has represented a leap in the efficiency of leak testing.

Extensive connection possibilities

Female or male threads, straight tubes, beads, collars, swages/flares or bores: WEH offers a solution for almost every application where a connection is needed. A suitable testing connector is available for each type of connection. We offer customer-tailored solutions for special applications even from small quantities.

In addition to the benefits the WEH® Jaw locking mechanism offers, you will no longer need pre-mounted coupling systems when using a WEH® Connector. It is not necessary to attach a counterpart to the component to be tested - with the WEH® Connectors you simply connect to the existing ports.

Connections in seconds

Pressure testing of components for leak tightness and function, whether manual, pneumatic or fully automatic, must be simple and time-saving. WEH® Connectors are simply placed onto / over or into the inlet of the test piece and the pressure tight connection is immediate. Laborious thread connections and tightening of pressure test hoses is no longer needed and intricate testing devices are a thing of the past. The WEH® Connectors are designed for pressures up to several 1000 bar depending on connection type and test piece. In comparison to threaded connections there are significant time and cost reductions due to the efficient design of WEH® Connectors.

As a long standing partner to the international automotive, hydraulic and other manufacturing industries, WEH offers advanced solutions to make production processes faster, cost effective and more efficient.

The original WEH® Jaw locking mechanism

A major part of the WEH® Connectors has the unique jaw locking mechanism developed by WEH. Hard wearing jaws clamp securely and safely onto a large variety of different connections, including female and male threads, straight tubes, tube ends and bores among others.
Laborious screwing and unscrewing of hoses is eliminated and the operators‘ joints are spared. The latest sealing technology provides a pressure-tight connection for your application.

QUICK CONNECTORS – INTRODUCTION

Applications

WEH® Quick connectors have become standard in the general industry worldwide. Where all supply lines had to be screwed
on engine test benches, now the innovative WEH® Connectors enable pressure-tight connections in seconds.
Increase your productivity using WEH® Connectors and benefit from the significant advantages:

- Safe and pressure-tight connections
- Reduction of connecting times cost saving
- Ease of operation
- Operators‘ joints are protected from RSI

Connection solutions for hydraulic, pneumatic and fluid applications include testing of pressure vessels, fluid lines, hydraulic aggregates / hydraulic pumps / hydraulic blocks, pneumatic components, air engines, engines, injector pumps, steering racks, cylinder and automotive components.

Examples of use

TW723 | Testing of engines

TW800 | Testing of engines

TW17H | Testing of injection pumps

TW17V | 3 x twin connector for testing of hydraulic pumps

QUICK CONNECTORS – PRODUCTS

Connectors for female threads

TW17

TW19

TW05

Connectors for male threads

TW18

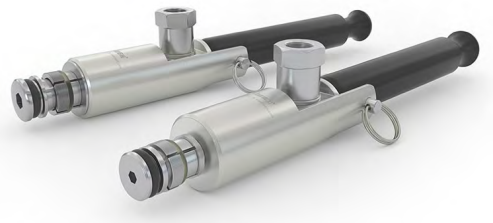
Universal connectors for threads, tubes, beads, etc.

TW800

TW850

TW141

TW221

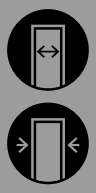


TW0230

TW01

TW02

QUICK CONNECTORS – POSSIBILITIES

Type	Max. allowable operating pressure bar / psi	Male threads	Female threads	Straight tubes	Holes and bores	Swaged and flared	Beads	Collars	Barbs
									
TW17	350 / 5.000		✓						
TW19	350 / 5.000		✓						
TW05	12 / 175		✓						
TW18	350 / 5.000	✓				✓	✓	✓	✓
TW800	50 / 725	✓				✓	✓	✓	✓
TW850	630 / 9.140	✓				✓	✓	✓	✓
TW141	100 / 1.450			✓					
TW221	3 / 45			✓	✓	✓		✓	✓
TW230	70 / 1.015			✓	✓			✓	✓
TW01	9 / 130		✓	✓	✓	✓	✓	✓	✓
TW02	35 / 510	✓		✓		✓	✓	✓	✓

Possible Actuations: Manual, pneumatic or automated.

TW17 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- WEH® Jaw locking mechanism
- Modified clamping jaws for increased flow
- Ergonomic design
- High-grade materials
- Different actuations
- Automation possible
- Testing devices are eliminated

The WEH® TW17 Quick connector is designed for sealing standardized female thread applications. The higher the test pressure the tighter the WEH® Connector will clamp itself into the thread of the test piece and provides a pressure-tight connection in seconds. The front o-ring reliably seals the connection and no additional clamping devices are required. Time-consuming and expensive testing devices are eliminated.
Bores have been added as standard to the clamping jaws for body sizes 5 - 6 of the WEH® TW17 Connector to increase flow rates.

TW17 with bores
for increased flow

The WEH® TW17 Connector is available with different actuations:
TW17H - Manual actuation via lever
TW17V - Pneumatic actuation via valve head
TW17P - Pneumatic actuation for external manual, semi or fully automatic control systems
The actuation can be easily changed at any time by simply unscrewing the rear part of the connector and replacing it with the chosen actuation.
Special versions, e.g. connectors in longer or shorter versions, as a plug or with hydraulic actuation etc. are possible (see special solutions).

Application
Quick connector for pneumatic and hydraulic pressure and function testing of components with female thread, e.g. engines, cylinders, pressure vessels, hoses, fixtures, etc.

TW17 - Characteristics

Pilot pressure
6 - 12 bar (90 - 175 psi) compressed air

Material
Corrosion resistant stainless steel, anodized aluminium

Max. allowable operating pressure PS
Vacuum up to 350 bar (5,000 psi)

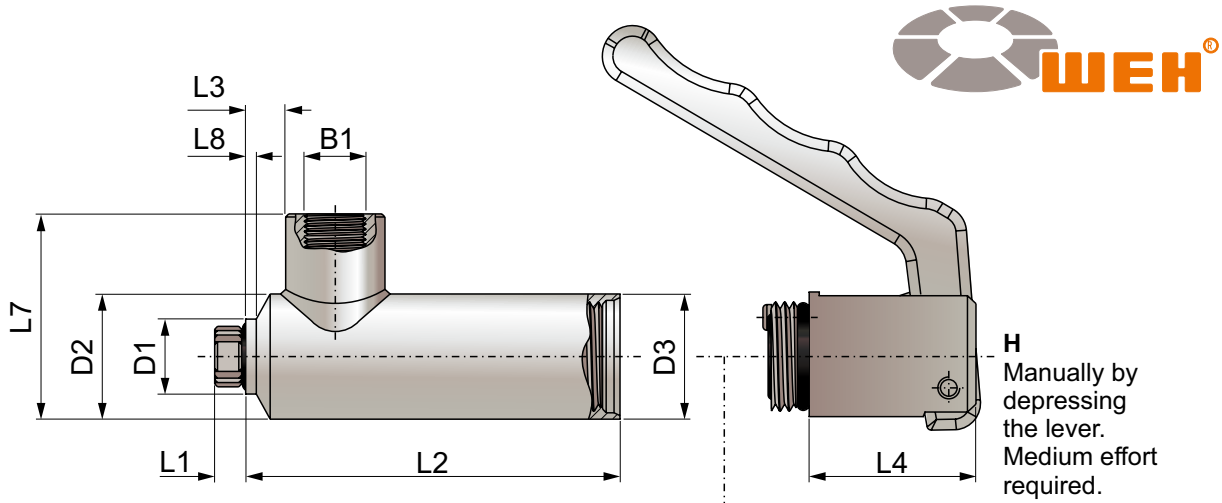
Sealing material
Front seal of NBR

Leak rate
$1x10^{-3}$ mbar x l/s

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

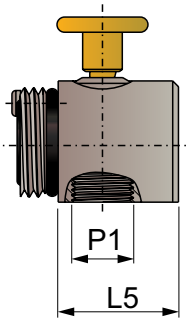
Actuation
H = manual actuation via lever
V = pneumatic actuation via valve head
P = pneumatic actuation for external manual, semi or fully automatic control systems

Example of use

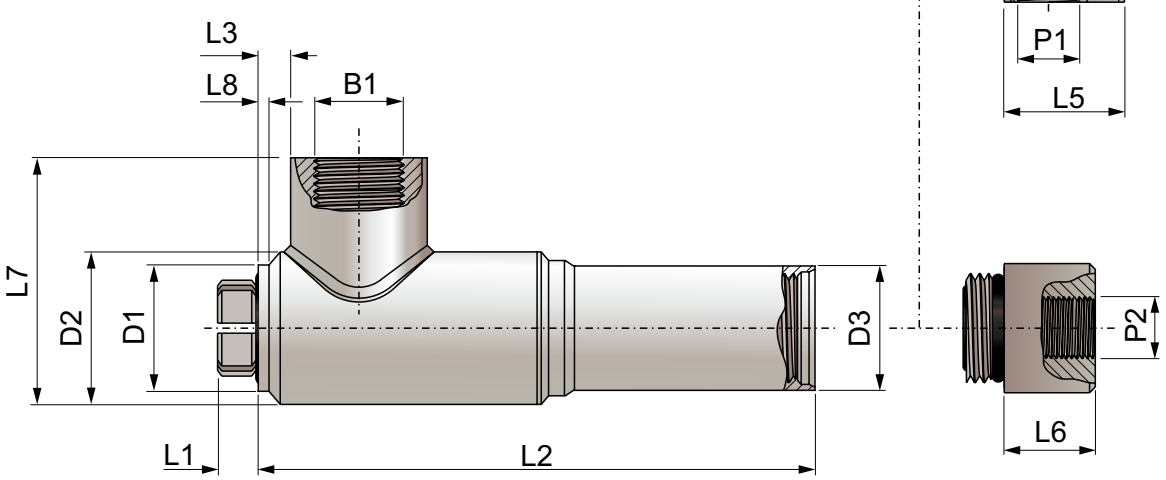


Body size 1 - 4

H
Manually by depressing the lever. Medium effort required.



V
Pneumatically by pressing the valve head. Very little effort required.



P
Pneumatically for external manual, semi or fully automatic control systems.

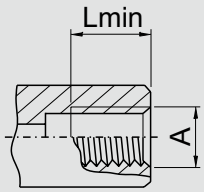
Body size 5 - 6

Body size	B1** (female thread)	D1	D1*	D2	D2*	D3	L1	L2	L3	L4	L5	L6	L7	L8	L8*
1	1/8 BSP	15	15	25	25	25	8	75	8	33,5	24	18	44	2,5	2,5
2	1/4 BSP	19	20,5	27	27	27	9	75	9	32	18	18	40	2,5	5
3	3/8 BSP	23	26	32	32	32	12	88	9,5	35	18	18	50	2	4
4	1/2 BSP	27	29	37	37	37	12	88	8,0	35	18	18	55	3	4
5	3/4 BSP	33	40,5	40	45	32	14	145	8,0	35	18	18	68,5	3	8
6	1 BSP	40	46,5	49	49	32	14	168	18	35	18	18	77	3	5

* applies to SAE J1926
** metric threads (G) available on request

Metric Female

Metric Female DIN 3852

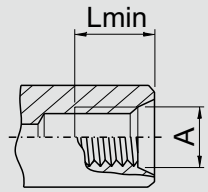


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9031-021	1	M10x1,0	7
TW17...-W9033-041	2	M12x1,0	9,5
TW17...-W9034-041	2	M12x1,5	9,5
TW17...-W9035-041	2	M14x1,5	9,5
TW17...-W9036-061	3	M16x1,5	10,5
TW17...-W9037-061	3	M18x1,5	10,5
TW17...-W9038-081	4	M20x1,5	10,5
TW17...-W9039-081	4	M22x1,5	10,5
TW17...-W9040-121	5	M24x1,5	11
TW17...-W9043-121	5	M26x1,5	11

* Lmin: minimum thread length
Other connection sizes on request

Metric Female

Metric Female ISO 6149-1

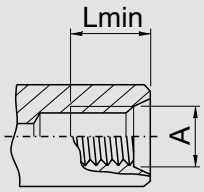


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9082-021	1	M10x1,0	7
TW17...-W9083-041	2	M12x1,5	9,5
TW17...-W9084-041	2	M14x1,5	9,5
TW17...-W9085-061	3	M16x1,5	10,5
TW17...-W9086-061	3	M18x1,5	10,5
TW17...-W9133-081	4	M20x1,5	10,5
TW17...-W9087-081	4	M22x1,5	10,5
TW17...-W9092-121	5	M27x2,0	11

* Lmin: minimum thread length
Other connection sizes on request

UNF Thread

Female Thread SAE J1926 / ISO 11926

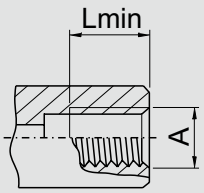


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9047-041	1	-4 (7/16-20)	7
TW17...-W9048-041	2	-5 (1/2-20)	9,5
TW17...-W9049-041	2	-6 (9/16-18)	9,5
TW17...-W9052-061	3	-8 (3/4-16)	10,5
TW17...-W9053-081	4	-10 (7/8-14)	10,5
TW17...-W9055-121	5	-12 (1 1/16-12)	11
TW17...-W9056-161	6	-16 (1 5/16-12)	11

* Lmin: minimum thread length
Other connection sizes on request

Whitworth Thread

Female Thread DIN 3852 / ISO 228-1

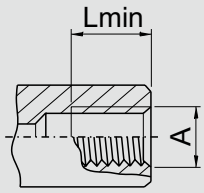


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9000-021	1	G1/8	7
TW17...-W9001-041	2	G1/4	9,5
TW17...-W9002-061	3	G3/8	10,5
TW17...-W9003-081	4	G1/2	10,5
TW17...-W9005-121	5	G3/4	11
TW17...-W9006-161	6	G1	12,5

* Lmin: minimum thread length
Other connection sizes on request

BSPT Thread

Female Thread DIN 3852

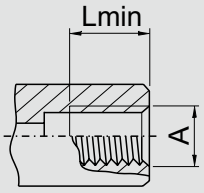


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9024-021	1	1/8 BSTP	7
TW17...-W9025-041	2	1/4 BSTP	9,5
TW17...-W9026-061	3	3/8 BSTP	10,5
TW17...-W9027-081	4	1/2 BSTP	10,5
TW17...-W9029-121	5	3/4 BSTP	11
TW17...-W9030-161	6	1 BSTP	12,5

* Lmin: minimum thread length
Other connection sizes on request

NPT Thread

Female Thread ANSI / ASME B1.20.1

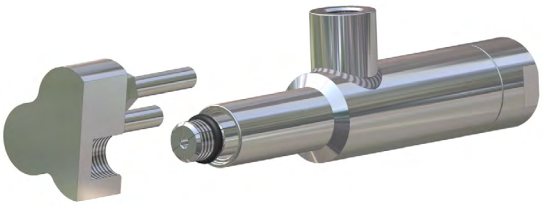


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW17...-W9007-021	1	1/8 NPT	7
TW17...-W9008-041	2	1/4 NPT	9,5
TW17...-W9009-061	3	3/8 NPT	10,5
TW17...-W9010-081	4	1/2 NPT	10,5
TW17...-W9012-121	5	3/4 NPT	11
TW17...-W9013-161	6	1 NPT	12,5

* Lmin: minimum thread length
Other connection sizes on request

Special Solutions

Examples:



TW17P with extension

TW17V twin connector

Coding Example:	
TW17H-W9031-021 / HP (Connector)	
• Actuation type is specified after the connector code (H, V or P).	
• Add LP at the end of the code for low-pressure version (up to 50 bar / 725 psi) or HP for high-pressure version (up to 350 bar / 5,000 psi).	
Standard Thread Profiles Available	
021	1/8” NPT 025 = G1/8”
041	1/4” NPT 045 = G1/4”
061	1/4” NPT 045 = G1/4”
081	1/2” NPT 085 = G1/2”*
121	3/4” NPT 125 = G3/4”
161	1” NPT 165 = G1”
* G 1/2” is compatible with 1/2” NPT.	
If another type of quick connector not listed in this catalog is required, please contact our technical department.	

TW19 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- WEH® Jaw locking mechanism
- High-grade materials

The WEH® TW19 Quick connector is especially designed for sealing hydraulic components with female thread in high and low pressure applications.
The clamping lever actuated connector safely grips into the test piece, even in case of high lateral forces, e.g. heavy or rigid hoses. The higher the test pressure the tighter the WEH® Connector will clamp itself into the thread of the test piece.
The front o-ring reliably seals the connection and no additional clamping devices are required.
Having only one seal in the interior of the connector, ease of maintenance is provided.

Application

Quick connector for pneumatic and oil-hydraulic pressure and function testing of components with female thread, e.g. hydraulic aggregates.

Max. allowable operating pressure PS
Vacuum up to 350 bar (5,000 psi)

Actuation
Manual actuation via clamping lever

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

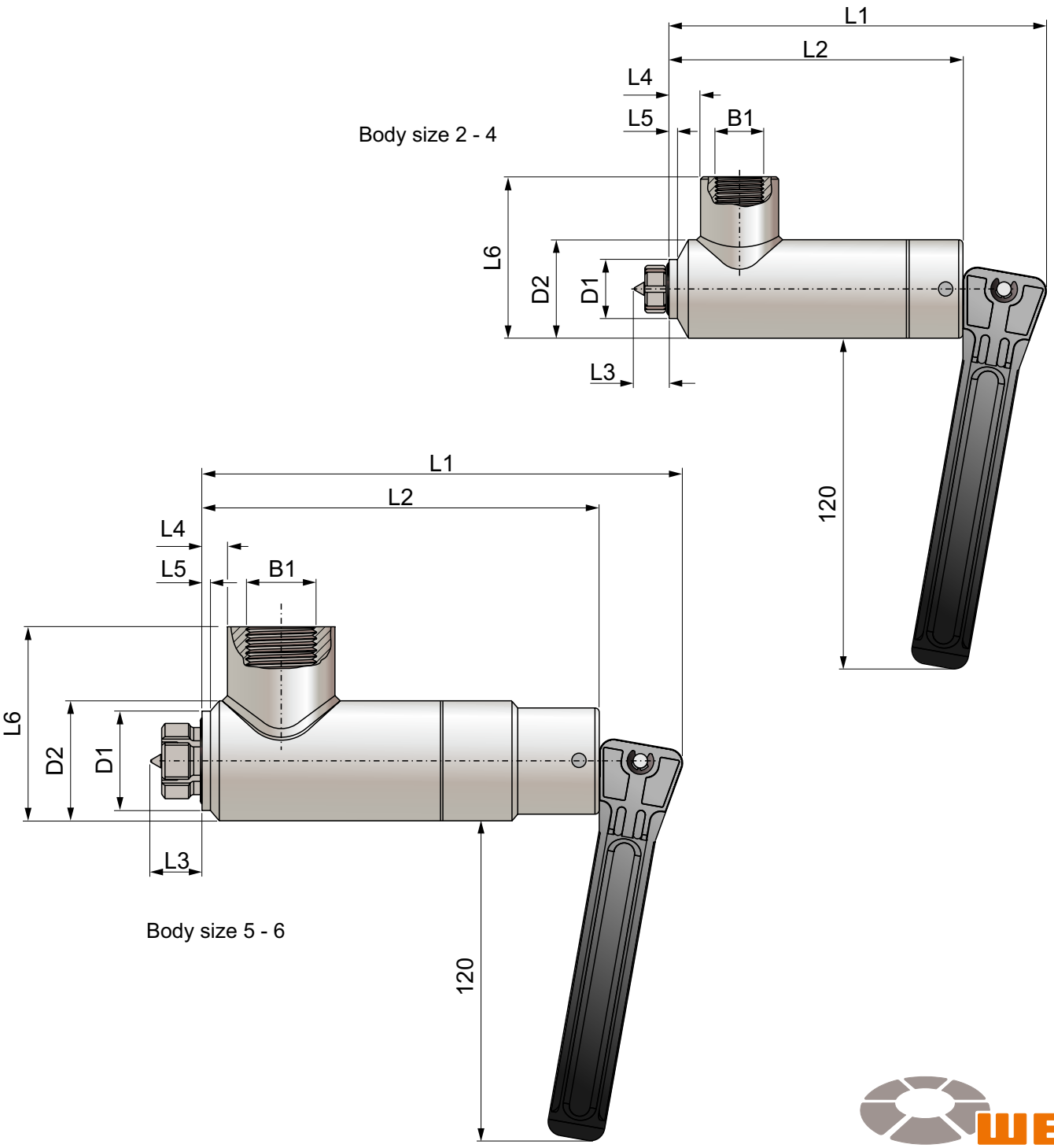
Material
Corrosion resistant stainless steel

Leak rate
$1x10^{-3}$ mbar x l/s

Sealing material
Front seal of NBR

Other designs on request
Note: Please contact us when using corrosive media or water!

Example of use:

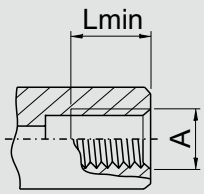


Body size	B1** (female thread)	D1	D1*	D2	D2*	L1	L2	L3	L4	L5	L5*	L6
2	1/4 BSP	19	20,5	27	27	118	88,5	13	9	2,5	5	40
3	3/8 BSP	23	26	32	32	131	101,5	16	9,5	2	4	50
4	1/2 BSP	27	29	37	37	131	101,5	17	8	3	4	55
5	3/4 BSP	33	40,5	40	45	146	117	19,5	8	3	8	69
6	1 BSP	40	46,5	49	49	170	140	17	18	3	8	74

* applies to SAE J1926
** metric threads (G) available on request

Metric Female

Metric Female DIN 3852

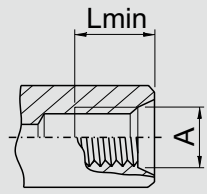


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-124801	2	M12x1,5	9,5
C1-124802	2	M14x1,5	9,5
C1-16862	3	M16x1,5	10,5
C1-32257	3	M18x1,5	10,5
C1-48676	4	M20x1,5	10,5
C1-124803	4	M22x1,5	10,5
a pedido	5	M24x1,5	11
C1-60458	5	M26x1,5	11

* Lmin: minimum thread length
Other connection sizes on request

Metric Female

Metric Female ISO 6149-1

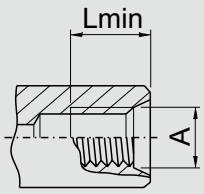


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-16287	2	M12x1,5	9,5
C1-16288	2	M14x1,5	9,5
C1-16289	3	M16x1,5	10,5
C1-16290	3	M18x1,5	10,5
a pedido	4	M20x1,5	10,5
C1-16291	4	M22x1,5	10,5
C1-36110	5	M27x2,0	11

* Lmin: minimum thread length
Other connection sizes on request

UNF Thread

Female Thread SAE J1926 / ISO 11926

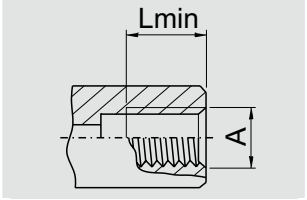


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-16267	2	-5 (1/2-20)	9,5
C1-16268	2	-6 (9/16-18)	9,5
C1-16269	3	-8 (3/4-16)	10,5
C1-16270	4	-10 (7/8-14)	10,5
C1-15839	5	-12 (1 1/16-12)	11
C1-16272	6	-16 (1 5/16-12)	11

* Lmin: minimum thread length
Other connection sizes on request

Whitworth Thread

Female Thread DIN 3852

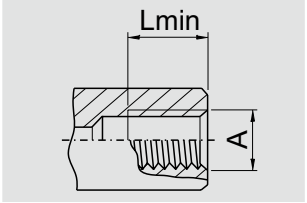


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-16277	2	G1/4	9,5
C1-16278	3	G3/8	10,5
C1-16279	4	G1/2	10,5
C1-16174	5	G3/4	11
C1-16281	6	G1	12,5

* Lmin: minimum thread length
Other connection sizes on request

BSPT Thread

Female Thread DIN 3852

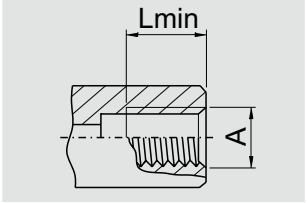


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-16282	2	1/4 BSTP	9,5
C1-16283	3	3/8 BSTP	10,5
C1-16-284	4	1/2 BSTP	10,5
C1-16179	5	3/4 BSTP	11
C1-16286	6	1 BSTP	12,5

* Lmin: minimum thread length
Other connection sizes on request

NPT Thread

Female Thread ANSI / ASME B1.20.1



Dimensions			
Code	Body size	Thread A (female thread)	L min.*
C1-16262	2	1/4 NPT	9,5
C1-16263	3	3/8 NPT	10,5
C1-16264	4	1/2 NPT	10,5
C1-72167	5	3/4 NPT	11
C1-16266	6	1 NPT	12,5

* Lmin: minimum thread length
Other connection sizes on request

TW05 - Characteristics

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 female 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.

Max. allowable operating pressure PS
12 bar / 175 PSI

Sealing material
Front seal of NBR

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

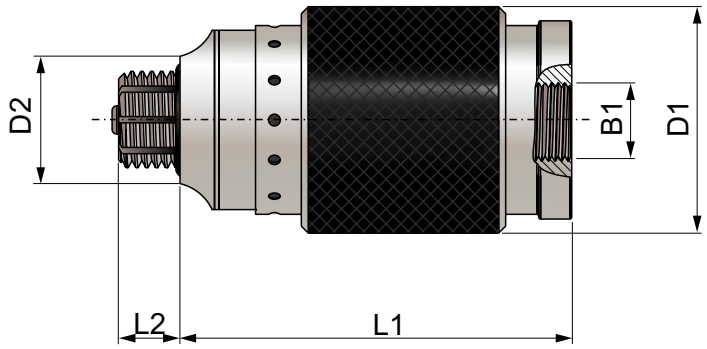
Leak rate
$1x10^{-3}$ mbar x l/s

Material
Clamping jaws: corrosion-resistant stainless steel
Outer parts: anodized aluminium

Other designs on request

Example of use

TW05

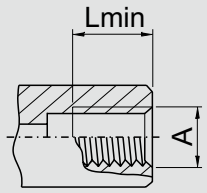


Body size	B1** (female thread)	D1	D2	D3	L1	L2
1	1/4 BSP	38	15	-	78,5	6
2	1/4 BSP	38	19	-	78,5	6
3	1/2 BSP	48	23,5	-	82,5	6,5
4	1/2 BSP	48	27	-	82,5	6

*metric threads (G) available on request

Whitworth Thread

Female Thread DIN 3852

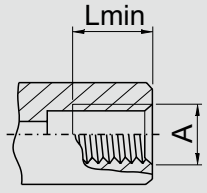


Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW05-W8000-041	1	G1/8	7
TW05-W8001-041	2	G1/4	9,5
TW05-W8002-081	3	G3/8	10,5
TW05-W8003-081	4	G1/2	10,5

* Lmin: minimum thread length
Other connection sizes on request

NPT Thread

Female Thread ANSI / ASME B1.20.1



Dimensions			
Code	Body size	Thread A (female thread)	L min.*
TW05-W8006-041	1	1/8NPT	7
TW05-W8007-041	2	1/4NPT	9,5
TW05-W8008-081	3	3/8NPT	10,5
TW05-W8009-081	4	1/2NPT	10,5

* Lmin: minimum thread length
Other connection sizes on request

Coding Example:

TW05-W8006-041 (Connector)

Thread type (B1) is defined by the part number

Standard thread profiles available

041	1/4" NPT 045 = G1/4"
081	1/2" NPT 085 = G1/2"*

*G 1/2" is compatible with 1/2" NPT.

If another type of quick connector not listed in this catalog is required, please contact our technical department.

TW18 - Characteristics



Features

- Connection in seconds
- No hand tightening required
- WEH® Jaw locking mechanism
- Ergonomic design
- High-grade materials
- Different actuations
- Automation possible
- Testing devices are eliminated

The WEH® TW18 Quick connector establishes pressure-tight connections to components with male thread within seconds. Only place the connector onto the thread of the test piece, the clamping jaws grip on the thread and a pressure tight connection is made.

Application

Quick connector for pneumatic and hydraulic pressure and function testing of components with male thread, e.g. engines, cylinders, pressure vessels, hoses, fixtures, etc.

Note

For using the WEH® Connectors with pneumatic actuation and clamping jaws in an automated system please observe the technical .

Pilot pressure
6 - 12 bar (90 - 175 psi) compressed air

Material
Corrosion resistant stainless steel, anodized aluminium

Max. allowable operating pressure PS
Vacuum up to 350 bar (5,000 psi)

Sealing material
Front seal of NBR

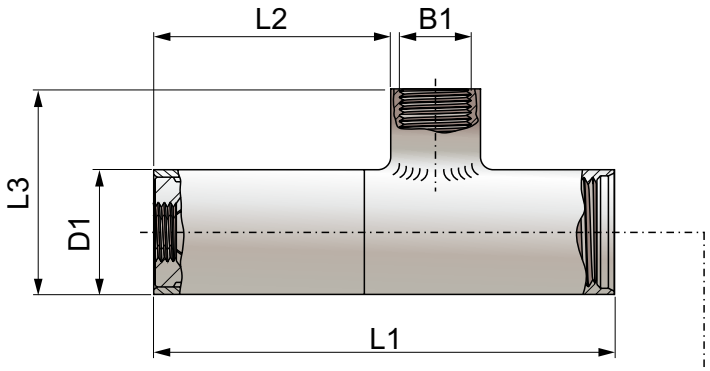
Leak rate
$1x10^{-3}$ mbar x l/s

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

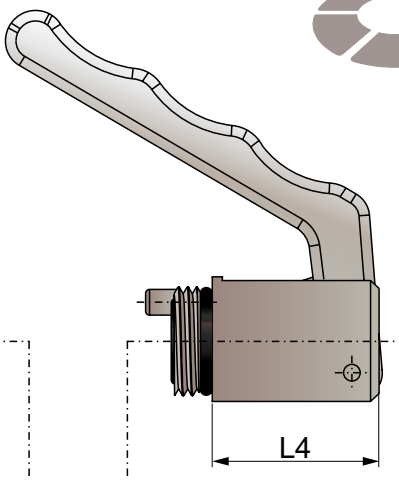
Actuation
H = manual actuation via lever
V = pneumatic actuation via valve head
P = pneumatic actuation for external manual, semi or fully automatic control systems

Other designs on request

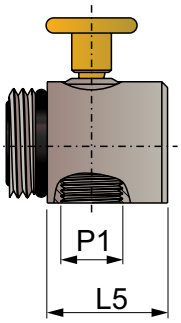
Example of use



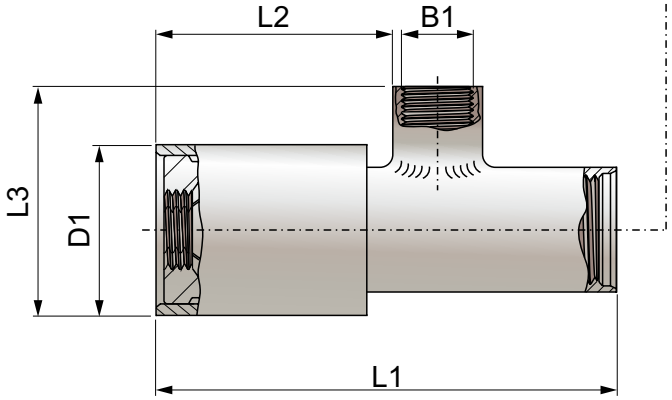
Body size 1 - 2



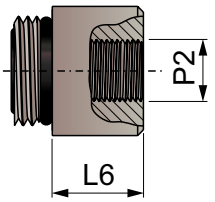
H
Manually by depressing the lever. Medium effort required.



V
Pneumatically by pressing the valve head. Very little effort required.



Body size 3



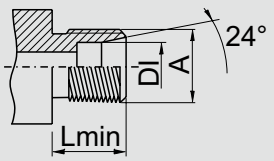
P
Pneumatically for external manual, semi or fully automatic control systems

Body size	B1* (female thread)	D1	D2	L1	L2	L3	L4	L5	L6
1	G1/2*	32	-	134	65	57,5	25	18	18
2	G1/2*	39	-	142	71	64,5	32	18	18
3	G1/2*	52	39	142	70,5	64,5	32	18	18

* G1/2“ is compatible to 1/2“ NPT

Metric Thread

Male thread ISO 8434-1



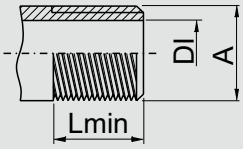
Dimensions

Code	Body size	Thread A (male thread)	Max. operating pressure PS**	DI max.	Serie	L min.*
TW18...-W8134-081	1	M10x1,0	100 bar / 1450 PSI	6	LL	8
TW18...-W8135-081	1	M12x1,0	100 bar / 1450 PSI	8	LL	9
TW18...-W8136-081	1	M12x1,5	250 bar / 3600 PSI	6	L	10
TW18...-W8137-081	1	M14x1,5	250 bar / 3600 PSI	8	L	10
TW18...-W8138-081	1	M16x1,5	250 bar / 3600 PSI	10	L	11
TW18...-W8139-081	2	M18x1,5	250 bar / 3600 PSI	12	L	11
TW18...-W8140-081	2	M22x1,5	250 bar / 3600 PSI	15	L	12

* Lmin: minimum thread length
** acc. to ISO 8434-1
Other connection sizes on request

Whitworth Thread

Male thread DIN EN ISO 228-1



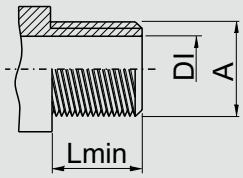
Dimensions

Code	Body size	Thread A (male thread)	DI max.	L min.*
TW18...-W8130-081	2	G1/2	14,5	12
TW18...-W8131-081	3	G3/4	18	12

* Lmin: minimum thread length
Other connection sizes on request

NPT Thread

Male thread SAE J476a



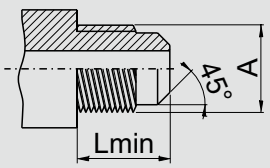
Dimensions

Code	Body size	Thread A (male thread)	DI max.	L min.*
TW18...-W8208-081	1	1/8 NPT	5	10
TW18...-W8207-081	1	1/4 NPT	7	14
TW18...-W8209-081	1	3/8 NPT	10,5	14
TW18...-W8210-081	2	1/2 NPT	14	19

* Lmin: minimum thread length
Other connection sizes on request

Jic 45°

Male thread SAE J513



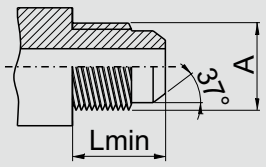
Dimensions

Code	Body size	Thread A (male thread)	L min.*
On request	On request	On request	On request

* Lmin: minimum thread length

Jic 37°

Male thread SAE J514



Dimensions

Code	Body size	Thread A (male thread)	L min.*
TW18...-W8119-081	1	-4 (7/16-20)	14
TW18...-W8120-081	1	-5 (1/2-20)	14
TW18...-W8121-081	1	-6 (9/16-18)	14,5
TW18...-W8122-081	2	-8 (3/4-16)	17
TW18...-W8123-081	2	-10 (7/8-14)	19,5

* Lmin: minimum thread length
Other connection sizes on request

Special Solutions

Example

TW18Z with pneumatic actuation,
central flow and
lateral pressure support

Coding Example:
TW18-W8134-081/HP (Connector)
Actuation type is specified after the connector code (H, V or P).
Add LP at the end of the code for low-pressure version (up to 50 bar / 725 psi) or HP for high-pressure version (up to 350 bar / 5,000 psi).
If another type of quick connector not listed in this catalog is required, please contact our technical department.

TW800 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- WEH® Jaw locking mechanism
- High-grade materials
- Special versions possible

The WEH® TW800 Quick connector simplifies work procedures, shortens test times and improves productivity. Therefore the
connector is ideal for pressure and function testing of components with a bead, rim, collar, flange, stub or male thread.
In the automotive industry WEH® TW800 is also used for testing of fuel connections, connections for cold and hot water and other supply lines as well as air conditioning components.
By using high quality stainless steel the connectors meet the stringent requirements of industrial testing. The TW800 quick connector is designed for a pressure range up to max. 50 bar (725 psi).

Application

Quick connector for pressure and function testing of components with bead, rim, collar, flange, stub or male thread, e.g. pressure vessels, compressors, heat exchangers, measuring devices, hoses, tubes, tanks, etc.

Note

For using the WEH® Connectors with pneumatic actuation and clamping jaws in an automated system please observe the technical

Material
Corrosion resistant stainless steel

Sealing material
Front seal of NBR

Max. allowable operating pressure PS*
Vacuum up to 50 bar (725 psi)

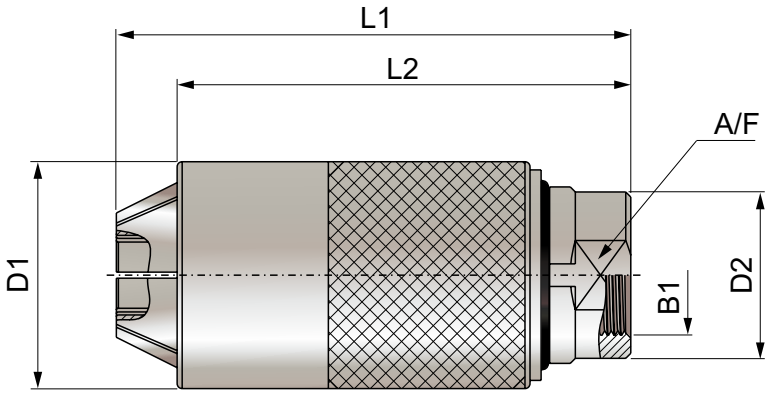
Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

Leak rate
$1x10^{-3}$ mbar x l/s

Example of use

* Depending on application
Other designs on request

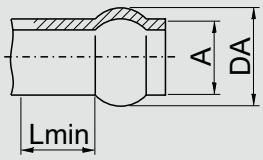
TW800



Body size	B1* (female thread)	D1	D2	D3	L1
1	1/8 BSP	22	14	74	13
2	1/8 BSP	25	17	75	15
3	1/4 BSP	30	22	74	19
4	3/8 BSP	35	27	79	24
5	1/2 BSP	40	30	79	27
6	3/4 BSP	45	33	90	30

* metric threads (G) available on request
Other body sizes on request

Tube

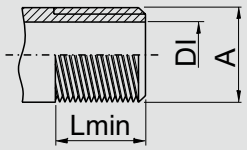


Dimensions					
Code	Body size	External tube ØA	Max. operating pressure (PS)	DA +0,5 / -0	L min.*
On request	On request	On request	On request	On request	On request

* Lmin: min. required length after bead for clamping

BSP Thread

Male thread DIN EN ISO 228-1

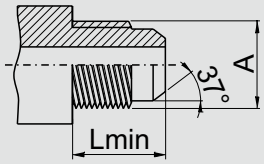


Dimensions					
Code	Body size	Thread A (male thread)	Max. operating pressure (PS)	DI max.	L min.*
TW800G...-W8375-081	5	G1/2	20 bar / 290 PSI	14,5	12
TW800G...-W8376-121	6	G3/4	20 bar / 290 PSI	20	12

* Lmin: minimum thread length
Other connection sizes on request

Jic 37°

Male thread SAE J514



Dimensions				
Code	Body size	Thread A (male thread)	Max. operating pressure (PS)	L min.*
TW800G...-W8320-021	2	-4 (7/16-20)	50 bar / 725 PSI	14
TW800G...-W8321-041	3	-5 (1/2-20)	50 bar / 725 PSI	14
TW800G...-W8322-041	3	-6 (9/16-18)	50 bar / 725 PSI	14,5
TW800G...-W8323-081	5	-8 (3/4-16)	50 bar / 725 PSI	17
TW800G...-W8324-081	5	-10 (7/8-14)	50 bar / 725 PSI	19,5

* Lmin: minimum thread length
Other connection sizes on request

Coding Example:
TW800G-W8375-081 (Connector)
Thread type (B1) is defined by the part number
Standard thread profiles available

081= 1/2 NPT	085 = G1/2*
121 = 3/4 NPT	085 = G3/4

*G 1/2” is compatible with 1/2” NPT.

If another type of quick connector not listed in this catalog is required, please contact our technical department.

TW850 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- WEH® jaw locking mechanism
- High-grade materials
- Special versions possible

The WEH® TW850 Quick connector simplifies work procedures, shortens test times and improves productivity. Therefore the connector is ideal for high pressure and function testing of components with a bead, rim, collar, flange, stub or male thread.
By using high quality stainless steel the connectors meet the stringent requirements of industrial testing. The TW850 quick connector is designed for a pressure range up to max. 630 bar (9,140 psi).

Application

Quick connector for pressure and function testing of components with bead, rim, collar, flange, stub or male thread, e.g. pressure vessels, compressors, heat exchangers, measuring devices, hoses, tubes, tanks, etc.

Note

For using the WEH® Connectors with pneumatic actuation and clamping jaws in an automated system please observe the technical.

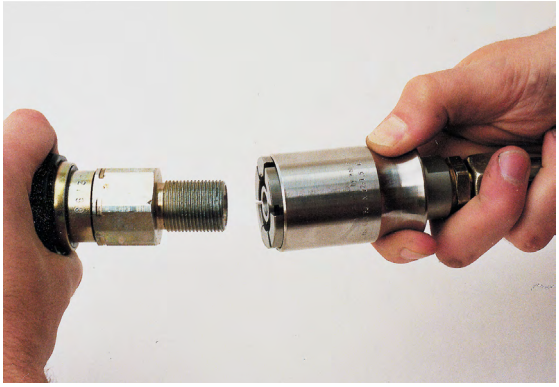
Material	Sealing material
Corrosion resistant stainless steel	Front seal of NBR

Max. allowable operating pressure PS*	Temperature range
Vacuum up to 630 bar (9,140 psi)	+5 °C up to +80 °C (+41 °F up to +176 °F)

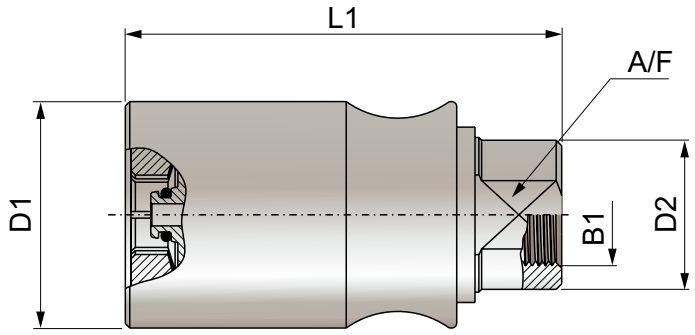
Leak rate
$1x10^{-3}$ mbar x l/s

* Depending on application
Other designs on request

Example of use



TW850

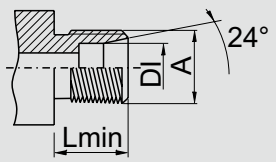


Body size	B1* (female thread)	D1	D2	L1	A/F
1	1/8 BSP	36	22	75	19
2	3/8 BSP	41	27	80	24
3	3/8 BSP	46	30	80	27
4	1/2 BSP	52	33	120	30

*metric threads (G) available on request
Other body sizes on request

Metric Threads

Male thread ISO 8434-1

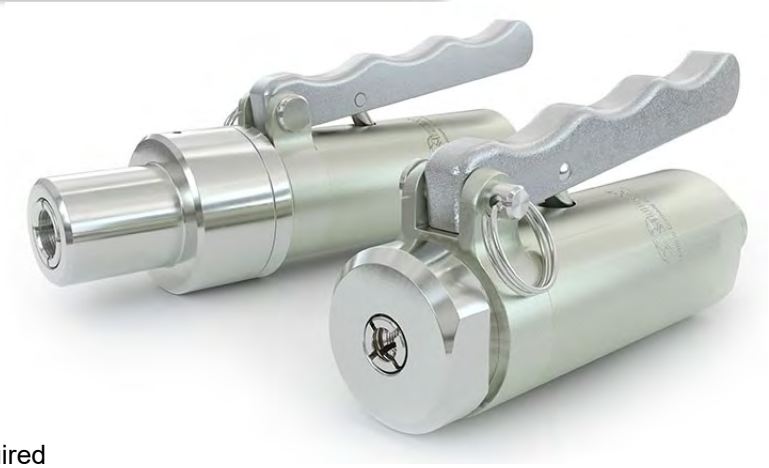


Dimensions

Code	Body size	Thread A (male thread)	Operating pressure PS**	DI max.	Serie	L min.*
On request	On request	On request	On request	On request	On request	On request

* Lmin: minimum thread length
** acc. to ISO 8434-1

TW141 - Characteristics



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® TW141 Quick connector provides pressure-tight connections on straight tubes of copper, steel or aluminium and has earned a reputation for ease of operation.
The TW141 is a lever-actuated connector, which creates no lateral forces that can distort the test piece or filling port when connecting and disconnecting. WEH® TW141 is fitted with an internal safety feature which prevents the connector from being removed until a pressure lower than 5 bar (75 psi) is attained.

The WEH® TW141 is equipped with a NBR front seal. Other sealing materials on request. It is the customer‘s responsibility to clarify the media compatibility.

Application

Quick connector for pressure and function testing of components with straight tube connection (sealing on external tube diameter), as for example leak testing of heat exchangers, air conditioning components and tube assemblies.
Filling of closed cooling circuits with refrigerants.

Max. allowable operating pressure PS
Vacuum up to 100 bar (1,450 psi)

Nominal bore (DN)
3 to 5 mm, acc. to design

Temperature range
-10 °C up to +80 °C (+14 °F up to +176 °F)

Leak rate
$1x10^{-3}$ mbar x l/s

Sealing material
Front seal of NBR

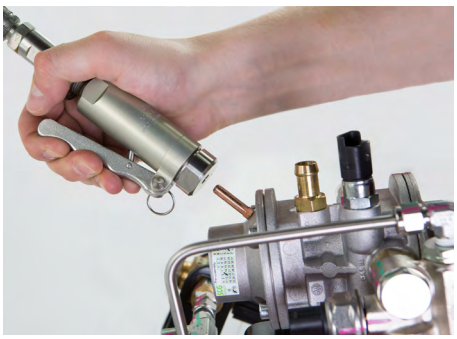
Material
Clamping jaws: corrosion resistant stainless steel
Housing: anodized aluminium

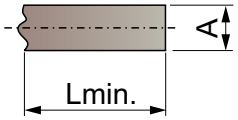
Max. allowable surface finish of test piece
Rz8 µm

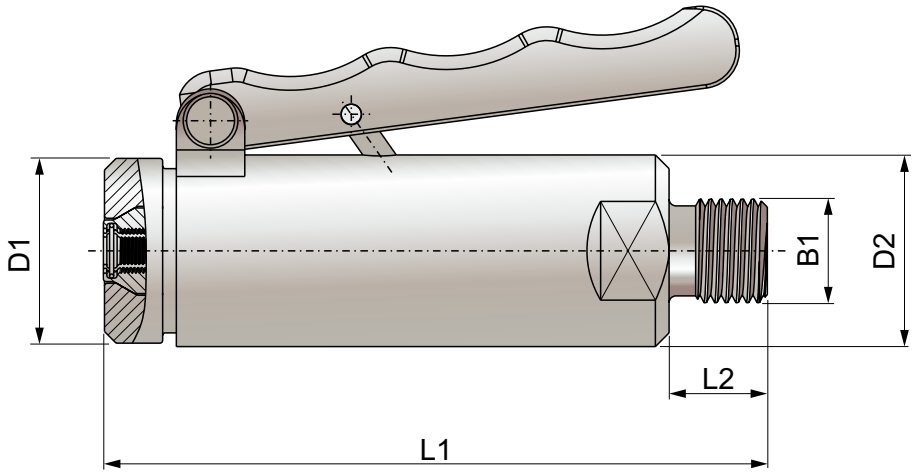
Max. allowable material hardness of test piece
28 HRC

Other designs on request

Example of use



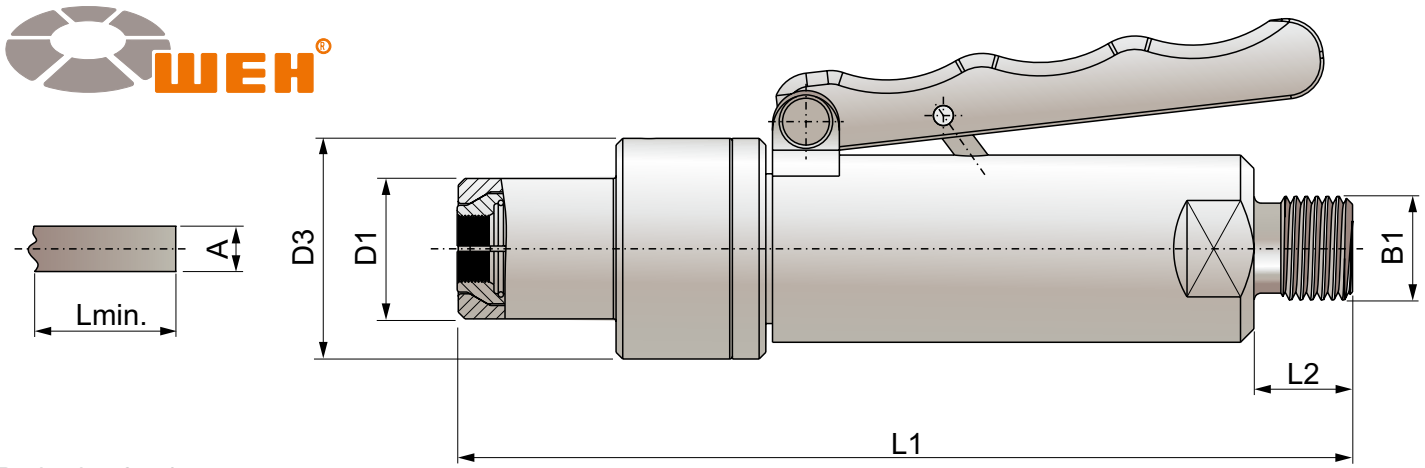




Body size 1

Code	Body size	Sealing range external tube Ø A	Tol.	B1 (male thread)	D1	D2	L1	L2	L min.*
C1-14967	1	6	±0,2	1/4 NPT	27	28	100	15	19
C1-17606	1	6,35 (1/4)	±0,2	1/4 NPT	27	28	100	15	19
C1-17750	1	7,9 (5/16)	±0,2	1/4 NPT	27	28	100	15	19
C1-14968	1	8	±0,2	1/4 NPT	27	28	100	15	19

* Lmin: minimum insertion length of test piece
Other connection sizes on request



Body size 2 + 3

Code	Body size	Sealing range external tube Ø A	Tol.	B1 (male thread)	D1	D2	D3	L1	L2	L min.*
C1-17536	2	9,5 (3/8)	±0,1	1/4 NPT	21	28	33	134	15	19
C1-16773	2	10	±0,1	1/4 NPT	19	28	33	134	15	15
C1-16774	2	12	±0,1	1/4 NPT	21	28	33	134	15	15
C1-17751	2	12,7 (1/2)	±0,1	1/4 NPT	24	28	33	134	15	15
C1-16775	2	15	±0,1	1/4 NPT	24	28	33	134	15	15
C1-17959	3	15,9 (5/8)	±0,1	1/4 NPT	32	28	49	134	15	15
C1-16776	3	16	±0,1	1/4 NPT	32	28	49	134	15	15
C1-16777	3	18	±0,1	1/4 NPT	34	28	49	134	15	15
C1-18006	3	19,05 (3/4)	±0,1	1/4 NPT	34	28	49	134	15	15
C1-16778	3	22	±0,1	1/4 NPT	38	28	49	134	15	15
C1-17939		22,2 (7/8)	±0,1	1/4 NPT	38	28	49	134	15	15

* Lmin: minimum insertion length of test piece
Other connection sizes on request

TW141 - Anchor Plate

Anchor plate

WEH offers an anchor plate to create a safe, secure attachment for the TW141 and which can be used for all sealing ranges

Code	Description
E29-45285	Anchor plate for TW141

TW221 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- For connection into straight tubes and bores
- No seal adjustment required
- Wide range of tube tolerances
- High-grade materials

The WEH® TW221 Quick connector provides a pressure-tight connection to bores and straight tubes of copper, steel or aluminium within seconds. The connector is suitable for pressure and vacuum testing with oil free air or gaseous media. The manually operated connector is secured to the component by its connection seal. In this case it is important that during testing, the test piece and seals have to remain absolutely dry to ensure proper functioning and sealing.
The WEH® TW221 is equipped with a SBR front seal. It is the customer‘s responsibility to clarify the media compatibility.

Application

Quick connector for pressure and vacuum testing of straight tubes and bores (sealing the internal tube diameter), as for example pressure vessels, valves, transducers, compressors, condensers, tubing systems etc.

Max. allowable operating pressure PS
3 bar / 45 PSI

Nominal bore (DN)
2 to 4 mm, acc. to design

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

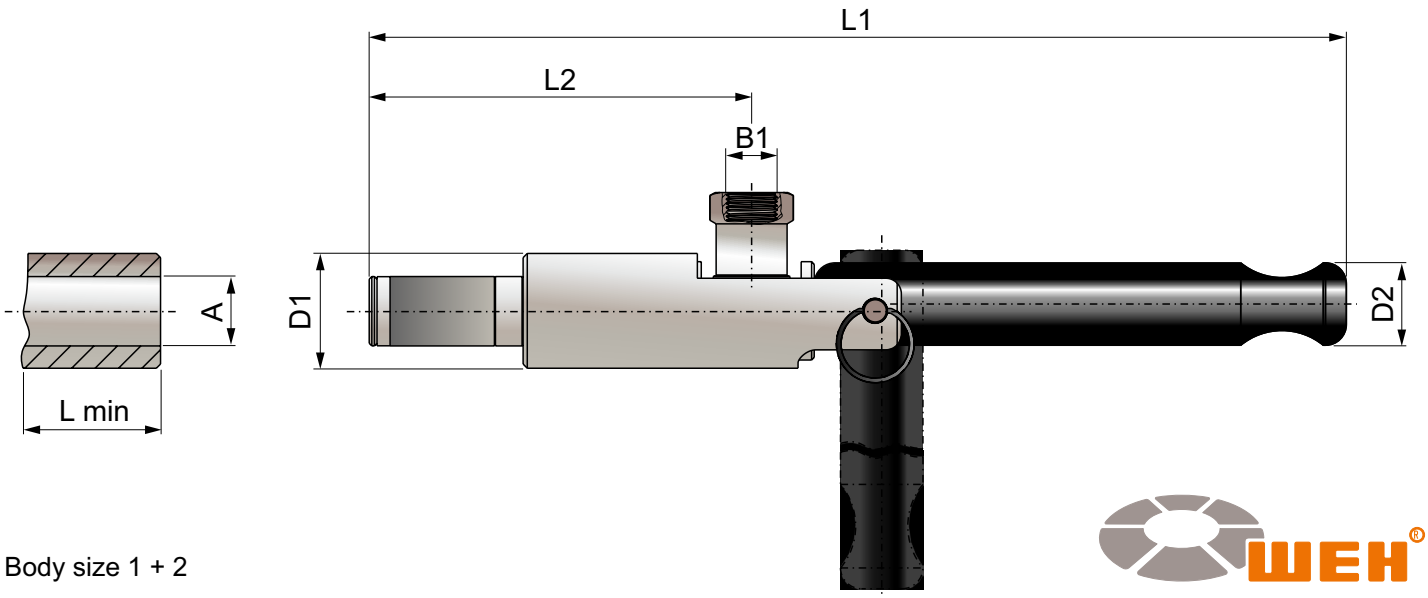
Leak rate
$1x10^{-3}$ mbar x l/s

Sealing material
Sealing material

Material
Anodized aluminium

Other designs on request

Example of use



Body size 1 + 2

Code	Body size	Sealing range internal tube Ø A	B1 (female thread)	D1	D2	L1	L2	L min.*	Replacement seal set**
C1-82309	1	9,5 - 10,4	G 1/8	22	16	176	86	16	B200B-89775
C1-82814	1	10,5 - 11,4	G 1/8	22	16	176	86	16	B200B-97248
C1-82305	1	11,5 - 12,4	G 1/8	22	16	176	86	16	B200B-90418
C1-82304	1	12,5 - 13,4	G 1/8	22	16	176	86	16	B200B-89774
C1-84246	2	13,5 - 14,4	G 1/8	22	16	186	96	29	B200B-91391
C1-84247	2	14,5 - 15,4	G 1/8	22	16	186	96	29	B200B-132009
C1-84248	2	15,5 - 16,4	G 1/8	22	16	186	96	29	B200B-90420
C1-84249	2	16,5 - 17,4	G 1/8	22	16	186	96	29	B200B-98586
C1-84251	2	17,5 - 18,4	G 1/8	22	16	186	96	29	B200B-95777
C1-82300	2	18,5 - 19,4	G 1/8	22	16	186	96	29	B200B-90416
C1-84252	2	19,5 - 20,4	G 1/8	22	16	186	96	29	B200B-90442
C1-82307	2	20,5 - 21,4	G 1/8	22	16	186	96	29	B200B-135789
C1-82308	2	21,5 - 22,4	G 1/8	22	16	186	96	29	B200B-95700
C1-84253	2	22,5 - 23,4	G 1/8	22	16	186	96	29	B200B-95894
C1-83865	2	23,5 - 24,4	G 1/8	22	16	186	96	29	B200B-84806

* Lmin: minimum insertion length of test piece
** Replacement seal sets for body size 2 with a sealing range > 13.5 mm always include 10 front seals
Note: required roundness of internal tube diameter max. 0.25 mm
Other connection sizes on request

For other connection or tube sizes, please consult our technical department.

TW230 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- For connection into straight tubes and bores
- WEH® Jaw locking mechanism
- No seal adjustment required
- Wide range of tube tolerances up to ± 0.25 mm
- High-grade materials

With the WEH® TW230 Quick connector straight tubes of copper, steel or aluminium can be easily tested for leak tightness in just seconds. The radial sealing system reliably seals inside tube and bore diameters from 9.5 mm to 22.2 mm and brig-
des
tube tolerances of up to ± 0.25 mm.
Connection to the straight tube is established by manual actuation of the clamping lever. Thanks to the WEH® Jaw locking mechanism the connector is securely located in the straight tube and the wear of the test piece is minimized as surface pressure is very low.
The TW230 is also suited for underwater, pressure decay and helium tests.
The WEH® TW230 is equipped with a NBR front seal. Other sealing materials on request. It is the customer‘s responsibility to clarify the media compatibility.

Application

Quick connector for pressure and vacuum testing of straight tubes and bores (sealing the internal tube diameter), as for ex ample heat exchangers, pressure vessels, valves, transducers, compressors, condensers, evaporation coils, component and tubing systems, air conditioners, heating systems etc.

Max. allowable operating pressure PS
Vacuum up to 70 bar (1,015 psi)

Nominal bore (DN)
2 to 5 mm, acc. to design

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

Leak rate
$1x10^{-3}$ mbar x l/s

Sealing material
Front seal of NBR

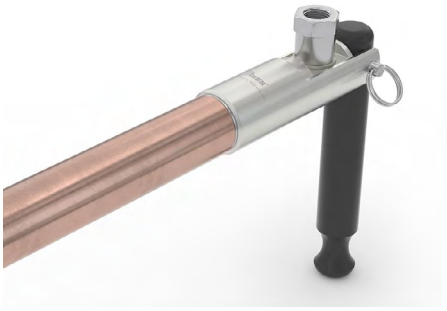
Material
Clamping jaws: corrosion-resistant stainless steel, hardened
Housing: anodized aluminium

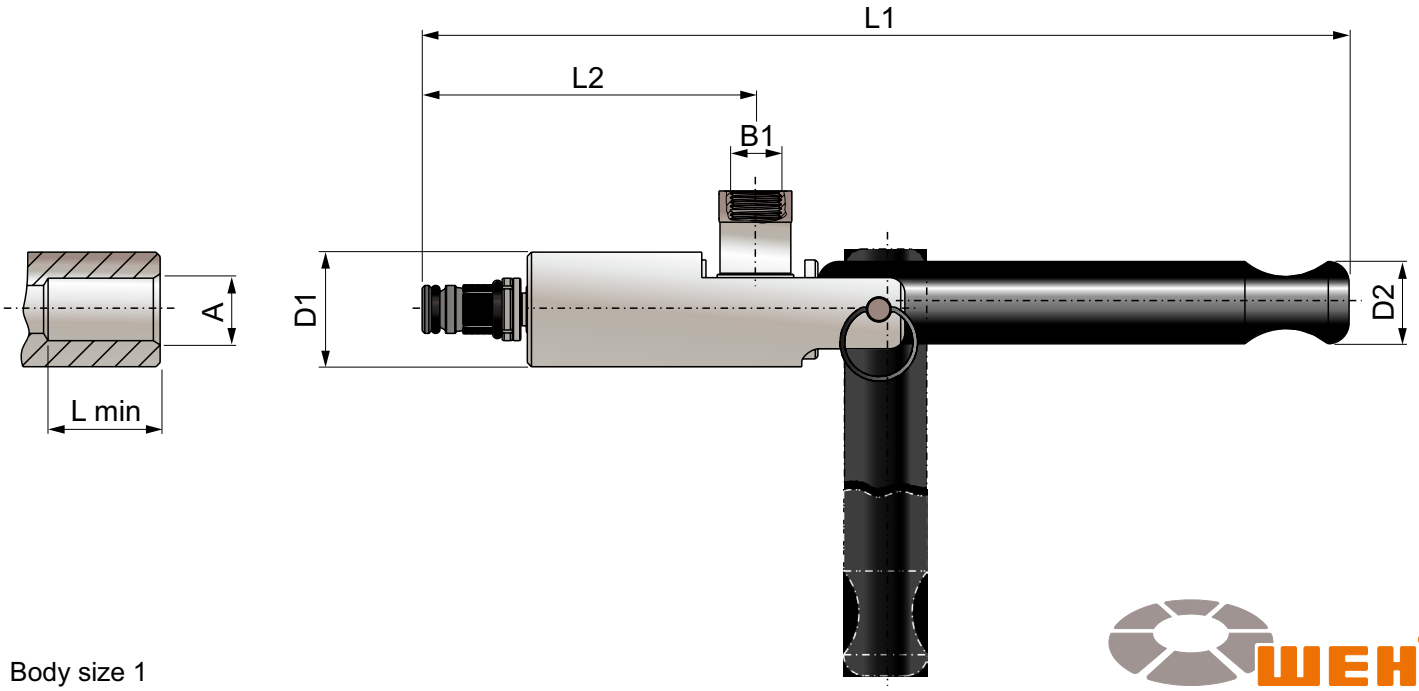
Max. allowable surface finish of test piece
Rz8 µm

Max. allowable material hardness of test piece
28 HRC

Other designs on request

Example of use

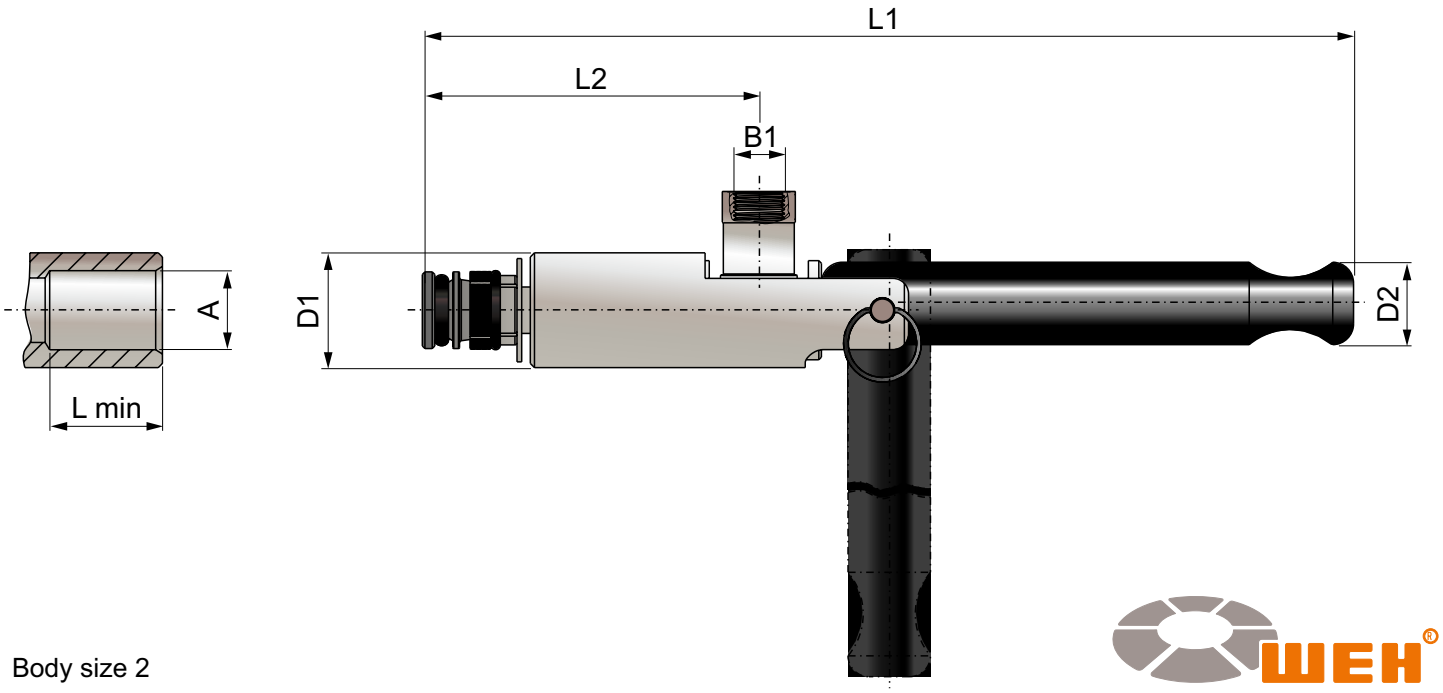




Body size 1

Code	Body size	Sealing range internal tube Ø A ± 0,25	B1 (female thread)	D1	D2	L1	L2	L min.*	Replacement seal set
C1-128668	1	9,5 (3/8)	G 1/8	22	16	178	87,5	13,5	B200B-129358
C1-128734	1	10	G 1/8	22	16	178	87,5	13,5	B200B-129364
C1-128742	1	11 (7/16)	G 1/8	22	16	178	87,5	13,5	B200B-129373
C1-128750	1	12	G 1/8	22	16	178	87,5	13,5	B200B-129381
C1-128756	1	12,7 (1/2)	G 1/8	22	16	178	87,5	13,5	B200B-129387
C1-128758	1	13	G 1/8	22	16	178	87,5	13,5	B200B-129389
C1-128767	1	14	G 1/8	22	16	178	87,5	13,5	B200B-129398

* Lmin: minimum insertion length of test piece
When ordering, please state if testing reinforced fibre glass or plastic test pieces.
Other connection sizes on request



Body size 2

Code	Body size	Sealing range internal tube Ø A ± 0,25	B1 (female thread)	D1	D2	L1	L2	L min.*	Replacement seal set**
C1-128774	2	15	G 1/8	22	16	178,5	88	16	B200B-129405
C1-128778	2	15,5	G 1/8	22	16	178,5	88	16	B200B-129409
C1-128782	2	15,9 (5/8)	G 1/8	22	16	178,5	88	16	B200B-129414
C1-128783	2	16	G 1/8	22	16	178,5	88	16	B200B-129415
C1-128789	2	16,5	G 1/8	22	16	178,5	88	16	B200B-129421
C1-128792	2	17	G 1/8	22	16	178,5	88	16	B200B-129424
C1-128798	2	18	G 1/8	22	16	178,5	88	16	B200B-129436
C1-128805	2	19,05 (3/4)	G 1/8	22	16	178,5	88	16	B200B-129445
C1-128810	2	20	G 1/8	22	16	178,5	88	16	B200B-129450
C1-218820	2	22	G 1/8	22	16	178,5	88	16	B200B-129460
C1-128821	2	22,2 (7/8)	G 1/8	22	16	178,5	88	16	B200B-129461

* Lmin: minimum insertion length of test piece
** Replacement seal sets for body size 2 with a sealing range < 15.9 mm only contain 1 retaining ring for the clamping jaws
When ordering, please state if testing reinforced fibre glass or plastic test pieces.
Other connection sizes on request

Other connection types on request.

TW01 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- Sealing irregular or rough surfaces
- Stroke limitation
- Simple seal replacement
- Ergonomic design
- High-grade materials

The WEH® TW01 Quick connector reliably and quickly seals inside bores, irregular or rough holes and female threaded components. Fitted with elastomer seals ideal for sealing out of round and rough surfaces and clearing large tolerances on the test piece. The connector only clamps itself firmly over the sealing rubber of the test piece, but does not have any retaining function. Therefore a fixture must be used.

As a standard WEH® TW01 is equipped with a stroke limitation.
Because of the pneumatic actuation, the connector is particularly well suited for automation of test procedures.
A number of accessories are available for manual actuation of the pilot pressure,
e.g. hand slide valve or pneumatic coupling with control/venting fitting (see accessories).

For WEH® TW01 Connectors standard shaft extensions of 1“ (25.4 mm) or 2“ (50.8 mm) are available to seal surfaces which are inaccessible to standard TW01 connectors.
Special versions, e.g. twin connectors for sealing ports in close proximity to each other are available on request.

TW01 with
hand slide valve

Application

Quick connector for pressure and vacuum testing of straight tubes and bores (sealing the internal tube diameter).
Leak testing: pressure decay, underwater / helium tests.
Other applications: filling, pressure and function tests, flushing, etc.
Components: vessels, plastic vessels, medical components, valves, pumps, filter, pressure vessels, tube connections, etc.

Max. allowable operating pressure PS
Vacuum up to 9 bar (130 bar)

Pilot pressure
Body size 01: 6 - 9 bar (90 - 175 psi) compressed air
Body size 1 - 8: 6 - 12 bar (90 - 175 psi) compressed air

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

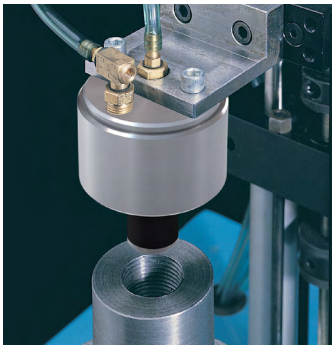
Sealing material
Main seal of chloroprene / o-rings of NBR
Urethane seals for high-wear applications are optional.

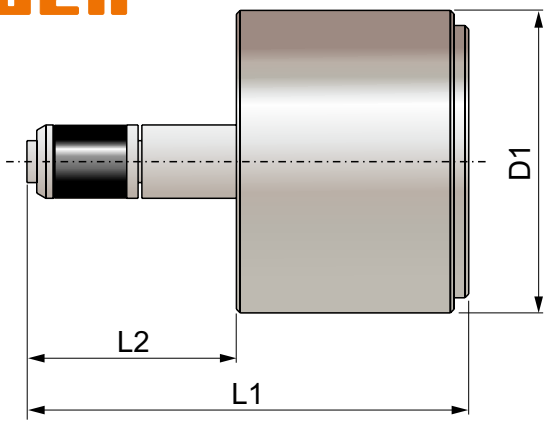
Other designs on request

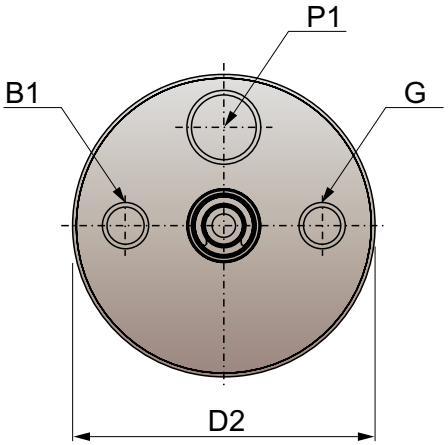
Material
Housing, piston and spacer: aluminium

Leak rate
$1x10^{-3}$ mbar x l/s

Example of use



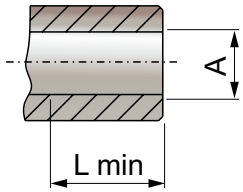




Body size	B1 (female thread)	P1 (female thread)	G**	D1	D2	L1	L2
01	M5	M5	M5	32	20,5	55,5	22
1	G1/8	G1/8	M6	40	26	70,5	28
2	G1/8	G1/8	M6	40	26	66,5	23,5
3	G1/8	G1/8	M6	60	41	74,5	40
4	G1/8	G1/8	M6	60	41	71,5	37
5	G1/2	G1/8	M6	89	60	106,5	59,5
6	G1/2	G1/8	M6	89	60	101	54
7	G3/4	G1/8	M6	107	76,5	94	57,5
8	G3/4	G1/8	M6	107	76,5	94	57,5

* on request
** thread for fixturing device

Straight tube, internal diameter

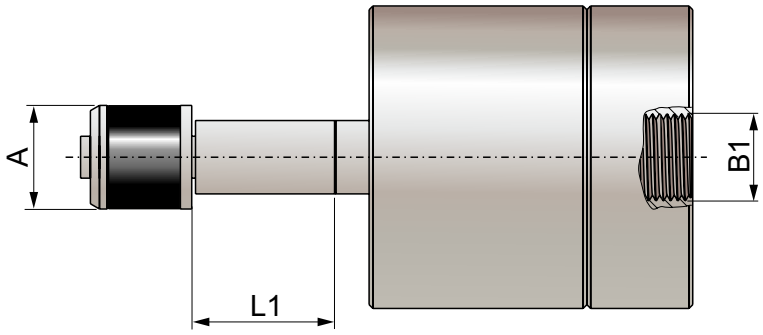


Code	Part no. Main seal set	Part no. Replacement seals	Body size	Sealing range internal tube ØA	L min*
C1-139903	B200B-141363	B200B-141298	01	7,7 - 8,3	13,5
C1-141179	B200B-141364	B200B-141299	01	8,4 - 10	13,5
C1-141180	B200B-141365	B200B-141300	1	10 - 12	15
C1-141181	B200B-141366	B200B-141301	1	12 - 14	15
C1-141182	B200B-141367	B200B-141302	1	14 - 16	15
C1-141183	B200B-141369	B200B-141303	2	16 - 18	15
C1-141184	B200B-141370	B200B-141304	2	18 - 20	15
C1-141185	B200B-141371	B200B-141305	2	20 - 22	15
C1-141186	B200B-141372	B200B-141306	3	22 - 24	28
C1-141187	B200B-141373	B200B-141307	3	24 - 26	28
C1-141188	B200B-141374	B200B-141308	3	26 - 28	28
C1-141189	B200B-141375	B200B-141309	4	28 - 30	28
C1-141190	B200B-141376	B200B-141310	4	30 - 32	28
C1-141191	B200B-141377	B200B-141312	4	32 - 34	28
C1-141192	B200B-141378	B200B-141313	5	34 - 37	41
C1-141193	B200B-141379	B200B-141314	5	37 - 40	41
C1-141194	B200B-141380	B200B-141315	5	40 - 43	41
C1-141195	B200B-141381	B200B-141316	6	43 - 47	41
C1-141196	B200B-141383	B200B-141317	6	47 - 51	41
C1-141197	B200B-141386	B200B-141318	6	51 - 55	41
C1-141198	B200B-141387	B200B-141319	7	55 - 58,5	41,5
C1-141199	B200B-141391	B200B-141321	7	58,5 - 62,1	41,5
C1-141200	B200B-141392	B200B-141322	7	62,1 - 65,6	41,5
C1-141201	B200B-141393	B200B-141323	8	65,6 - 69,2	41,5
C1-141202	B200B-141394	B200B-141324	8	69,2 - 72,7	41,5
C1-141203	B200B-141395	B200B-141325	8	72,7 - 76	41,5

* Lmin: minimum insertion length of test piece
Other connection sizes on request

Other connection types on request.

TW01 Extension



Code	Description	A	B1	L1
On request	TW01 with 1“ extension	On request	On request	25,4
On request	TW01 with 2“ extension	On request	On request	50,8

Shaft extensions in other lenghts on request

TW02 - Characteristics

Features

- Connection in seconds
- No hand tightening required
- Sealing irregular or rough surfaces
- Simple seal replacement
- Ergonomic design
- High-grade materials

The WEH® TW02 Quick connector reliably and quickly seals tubes, hoses and male threaded components. Fitted with elastomer seals, the TW02 is ideal for sealing out of round and rough surfaces and clearing large tolerances on the test piece.
The connector only clamps itself firmly over the sealing rubber of the test piece, but does not have any retaining function. Therefore a fixture must be used.
When using hose connections, WEH® TW02 is additionally equipped with a counterholder.
Because of the pneumatic actuation, the connector is particularly well suited for automation of test procedures.
A number of accessories are available for manual actuation of the pilot pressure, e.g. hand slide valve or pneumatic coupling with control/venting fitting (see accessories).
Special versions, e.g. twin connectors for sealing ports in close proximity to each other are available on request.

Application

Quick connector for pressure and vacuum testing of straight tubes, hoses and components with bead or collar (sealing on external tube diameter).

Max. allowable operating pressure PS
Vacuum up to 35 bar (510 psi)

Temperature range
+5 °C up to +80 °C (+41 °F up to +176 °F)

Pilot pressure
6 - 12 bar (90 - 175 psi) compressed air

Material
Housing, piston and seal housing: aluminium

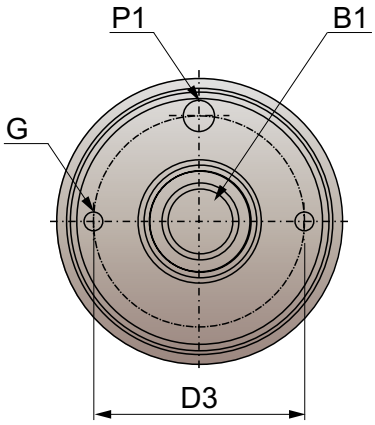
Sealing material
Main seal of chloroprene / o-rings of NBR
For body size 001 main seal and o-rings of NBR.
Urethane seals for high-wear applications are optional.

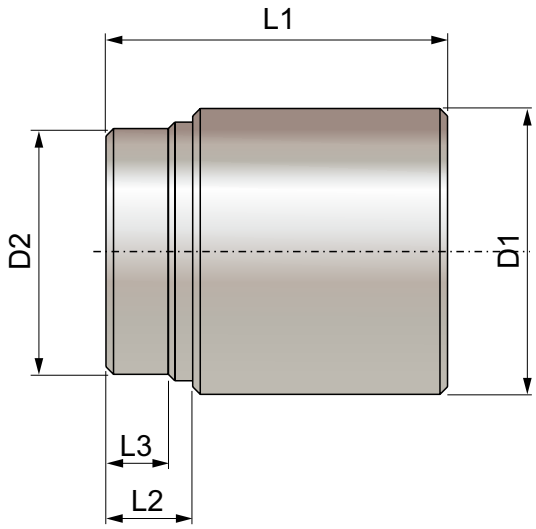
Leak rate
$1x10^{-3}$ mbar x l/s

Example of use

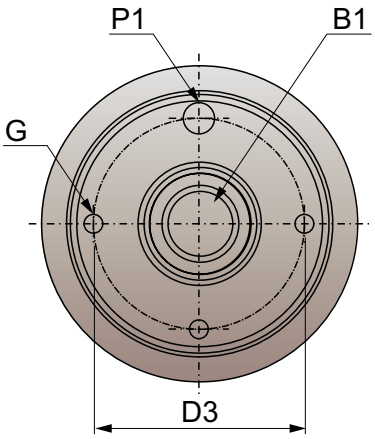
Other designs on request

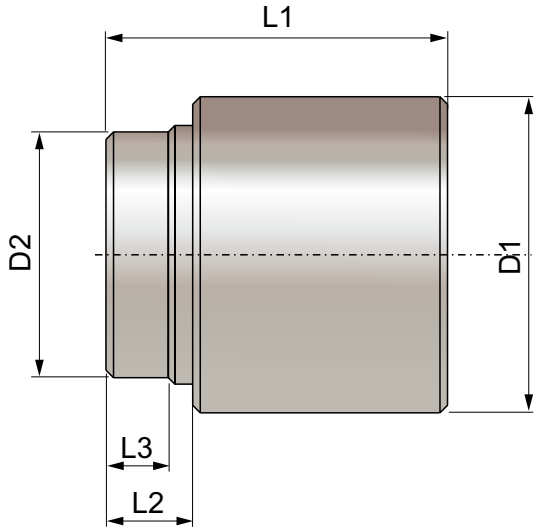
Note: For pressurized applications the TW02 must be secured by a fixturing device.
On vacuum applications the TW02 does not need to be secured. For operating pressures above 10 bar (145 psi) we recommend urethane seals.





Body size 001 - 3: 2 threads ‘G‘ for fixturing device



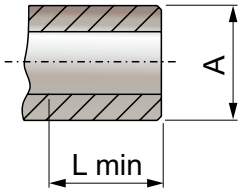


Body size 4 - 6: 3 threads ‘G‘ for fixturing device

Body size	B1 (female thread)	P1 (female thread)	G**	D1	D2	D3	L1	L2	L3
001*	G 1/8	M5	M3	21,5	-	16	44	-	-
01	G 1/8	M5	M5	38	32,5	28	52,5	10	9
1	G 1/4	G 1/8	M6	56,5	47	41,5	69,5	10	8,5
2	G 1/2	G 1/8	M6	79	69	63,5	89	23	14,5
3	G1	G 1/8	M6	107,5	91	82,5	114	38	29,5
4	G1 1/2	G 1/8	M6	139,5	122	108	117	38	28
5	G2	G 1/8	M10	177,5	162	140	117	35,5	35,5
6	G2 1/2	G 1/8	M10	190	174,5	155,5	126,5	35,5	35,5

* for body size 001, ‘P1‘ is located on the diameter of the connector instead of on the face
** thread for fixturing device

Straight tube, external diameter



Code	Part no. Main seal set	Replacement seals	Body size	Sealing range external tube ØA	L min*
C1-141938	B200B-142085	B200B-142358	001	0,8 - 1,3	4
C1-141948	B200B-142090	B200B-142359	001	1,3 - 2	4
C1-141949	B200B-142091	B200B-142360	001	2 - 3,3	4
C1-141950	B200B-142092	B200B-142361	01	2,5 - 4,6	15
C1-141952	B200B-142094	B200B-142362	01	4,6 - 6,6	15
C1-141953	B200B-142095	B200B-142363	01	6,6 - 8,6	15
C1-141954	B200B-142096	B200B-142364	01	8,6 - 10,7	15
C1-141955	B200B-142097	B200B-142365	01	10,7 - 13	15
C1-141956	B200B-142098	B200B-142366	1	11 - 13	15,5
C1-141957	B200B-142099	B200B-142367	1	13 - 15	15,5
C1-141958	B200B-142100	B200B-142368	1	15 - 17	15,5
C1-141959	B200B-142101	B200B-142369	1	17 - 19	15,5
C1-141960	B200B-142102	B200B-142370	1	19 - 21	15,5
C1-141964	B200B-142120	B200B-142371	2	20 - 22	27
C1-141966	B200B-142121	B200B-142372	2	22 - 24	27
C1-141967	B200B-142122	B200B-142373	2	24 - 26	27
C1-141968	B200B-142123	B200B-142374	2	26 - 28	27
C1-141969	B200B-142124	B200B-142375	2	28 - 30	27
C1-141970	B200B-142125	B200B-142376	2	30 - 32	27
C1-141971	B200B-142126	B200B-142377	2	32 - 34	27
C1-141972	B200B-142127	B200B-142378	2	34 - 36	27
C1-141973	B200B-142128	B200B-142379	2	36 - 38	27
C1-141974	B200B-142129	B200B-142380	3	38 - 41	42
C1-141975	B200B-142130	B200B-142381	3	41 - 44	42
C1-141976	B200B-142131	B200B-142382	3	44 - 47	42
C1-141977	B200B-142132	B200B-142383	3	47 - 49,8	42
C1-141978	B200B-142133	B200B-142384	4	49,8 - 53	42
C1-141980	B200B-142134	B200B-142385	4	53 - 56	42
C1-141981	B200B-142135	B200B-142386	4	56 - 59	42
C1-141982	B200B-142136	B200B-142387	4	59 - 62	42
C1-141983	B200B-142137	B200B-142388	4	62 - 65	42
C1-141984	B200B-142138	B200B-142389	4	65 - 68	42
C1-141985	B200B-142139	B200B-142390	4	68 - 71	42
C1-141986	B200B-142140	B200B-142391	4	71 - 74	42
C1-141987	B200B-142141	B200B-142392	4	74 - 77	42

* Lmin: minimum insertion length of test piece
Other connection sizes on request

Other connection types on request..

Special Solutins

Example:
TW02 for rubber hose testing

Manufacturing Facility

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