

**LANGAN®**

For Testing, Filling & Plugging

## QUICK CONNECTORS CATALOG



LangAn(Tianjin)Technology Co.,Ltd

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# About us

LangAn(Tianjin)Technology Co.,Ltd has dedicated in researching & manufacturing of quick connectors for leak testing and provides airtight testing solutions in engine assembly line、airtight and breathable testing solutions for fuel system、airtight detection solutions for automotive parts, solutions for detection of airtightness in the fields of hoses、gas industry & medical devices.

Since establishment, we have been offering excellent services & products to many well known car makers. Meanwhile we are a company to innovate and improve production process continuously & respond requests from customers rapidly with market trend to be updated from time to time. Aiming to grow sustainably and provide whole package with higher quality products, better service and solutions. And we are reliable business partner of many car makers.

We are a company to put quality as priority & technology as foundation, and we will continue to work with quick connectors & leaking equipments.

## Highlights

### ◆ Honors



### ◆ Advanced equipments



## Disclaimer

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted.  
We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement.  
This publication supersedes all prior publications.



**Product Highlights:** Lower costs; More reliable quality; More convenient operation;

Easier to maintain; Better service;

**Reliability:** Serious quality control in every single process to secure quality, all necessary testing & inspection will be done to guarantee optimum function.

**Connection with:** Male or female threads、straight tubes、beads & collars、swages/flares、bores、flanges and so on.

## Ordering

**Normally we need the following information when ordering:**

- a.Part No.
- b.Pressure range
- c.Medium / requested leak rate
- d.Temperature range
- e.Space requirement (interference contours, clearance, etc.)
- f.Test piece / CAD drawing of customer test piece

# LANGAN® Connector Selection Guide

Type of connection	Internal threads	External threads	Straight tubes	Holes & bores	Swaged & flared	Beads	Flanges	Barbs
					 	 		
LA100 Page 5			✓	✓	✓	✓	✓	✓
LA101 Page 8			✓		✓	✓		✓
LA102 Page 10			✓	✓	✓	✓	✓	✓
LA200 Page 12	✓							
LA201 Page 16		✓						
LA300 Page 19	✓							
LA300L Page 23	✓							
LA301 Page 27		✓						
LA302 Page 30	✓							
LA600 Page 33		✓			✓	✓	✓	✓
LA650 Page 36		✓			✓	✓	✓	✓
LA-FE Page 38			✓		✓	✓	✓	✓
LA-FI Page 42	✓		✓	✓	✓	✓	✓	✓
LA-800 Page 47			✓					
LA-801 Page 49			✓	✓	✓	✓	✓	✓
LA-802 Page 51			✓					

note: Ticked ✓ means connection type.



The LA100 Quick Connector provides a pressure-tight connection to straight tubes and bores (internal diameter) within seconds. 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. If the contact surface is stained with a lubricant such as water, the pressure should only be 1 bar or less.

## Features

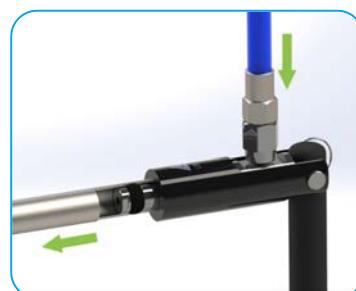
- 1.Wide range of tube tolerances
- 2.No seal adjustment required
- 3.No damage to test fittings

## Application

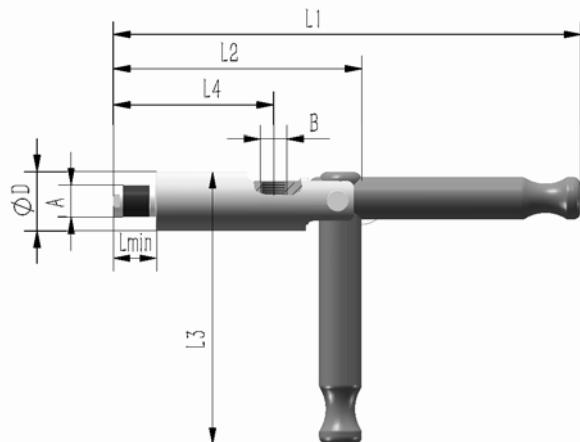
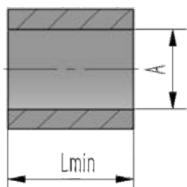
Quick connector for pressure and vacuum testing of straight tubes and bores (internal diameter).

## Technical data

- 【Operating pressure Ps】 3 bar (Max)
- 【Leak rate】  $10^{-4}$  mbar·l/s ( $10^{-5}$  Pa·m<sup>3</sup>/s)
- 【Temperature range】 +5°C ~+80°C
- 【Medium】 Oil free air or gaseous media (please indicate when ordering)
- 【Material】 Anodized aluminium
- 【Sealing material】 NBR, other designs on request
- 【Example of use】 Insert the LA100 Quick Connector into the test piece, Turn the handle of the quick connector for 90° to seal and apply test pressure. At the end of the test, Turn the quick connector back to 90° and remove it.



## ORDERING: approx. Dimensions(mm)

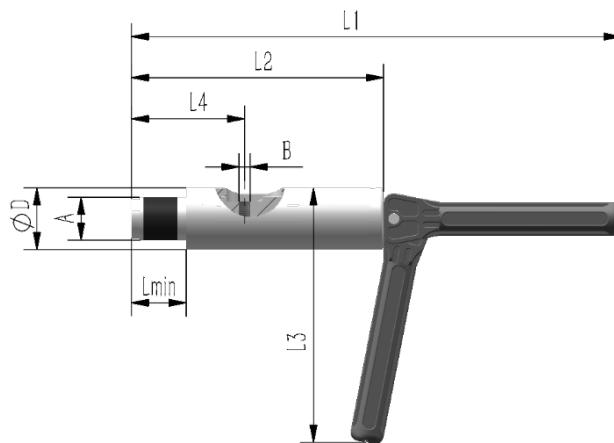
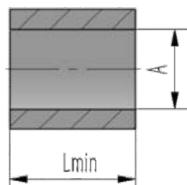


Body size 1, 2, 3

Body size	Sealing range A	Lmin*	Part No.	Plug Part No	Inlet B (internal thread)	φD	L1	L2	L3	L4
1	Φ9.5-Φ10.4	20.0	LA100-01	LAB100-01P	G1/8"	22.0	179.0	93.0	102.0	64.0
1	Φ10.5-Φ11.4	20.0	LA100-02	LAB100-02P	G1/8"	22.0	179.0	93.0	102.0	64.0
1	Φ11.5-Φ12.4	20.0	LA100-03	LAB100-03P	G1/8"	22.0	179.0	93.0	102.0	64.0
1	Φ12.5-Φ13.4	20.0	LA100-04	LAB100-04P	G1/8"	22.0	179.0	93.0	102.0	64.0
2	Φ13.5-Φ14.4	24.0	LA100-05	LAB100-05P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ14.5-Φ15.4	24.0	LA100-06	LAB100-06P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ15.5-Φ16.4	24.0	LA100-07	LAB100-07P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ16.5-Φ17.4	24.0	LA100-08	LAB100-08P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ17.5-Φ18.4	24.0	LA100-09	LAB100-09P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ18.5-Φ19.4	24.0	LA100-10	LAB100-10P	G1/8"	22.0	182.0	96.0	101.0	67.0
2	Φ19.5-Φ20.4	24.0	LA100-11	LAB100-11P	G1/8"	22.0	182.0	96.0	101.0	67.0
3	Φ20.5-Φ21.4	24.0	LA100-12	LAB100-12P	G1/8"	25.0	184.0	98.0	102.5	69.0
3	Φ21.5-Φ22.4	24.0	LA100-13	LAB100-13P	G1/8"	25.0	184.0	98.0	102.5	69.0
3	Φ22.5-Φ23.4	24.0	LA100-14	LAB100-14P	G1/8"	25.0	184.0	98.0	102.5	69.0
3	Φ23.5-Φ24.4	24.0	LA100-15	LAB100-15P	G1/8"	25.0	184.0	98.0	102.5	69.0

\* Lmin: minimum length required for insertion of test piece

## ORDERING: approx. Dimensions(mm)



Body size 4

Body size	Sealing range A	Lmin*	Part No.	Plug Part No	Inlet B (internal thread)	$\Phi D$	L1	L2	L3	L4
4	$\Phi 24.5-\Phi 25.4$	32.0	LA100-16	LA100-16P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 25.5-\Phi 26.4$	32.0	LA100-17	LA100-17P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 26.5-\Phi 27.4$	32.0	LA100-18	LA100-18P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 27.5-\Phi 28.4$	32.0	LA100-19	LA100-19P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 28.5-\Phi 29.4$	32.0	LA100-20	LA100-20P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 29.5-\Phi 30.4$	32.0	LA100-21	LA100-21P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 30.5-\Phi 31.4$	32.0	LA100-22	LA100-22P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 31.5-\Phi 32.4$	32.0	LA100-23	LA100-23P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 32.5-\Phi 33.4$	32.0	LA100-24	LA100-24P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 33.5-\Phi 34.4$	32.0	LA100-25	LA100-25P	G1/8"	36.0	285.5	147.0	153	66.0
4	$\Phi 34.5-\Phi 35.4$	32.0	LA100-26	LA100-26P	G1/8"	36.0	285.5	147.0	153	66.0

\* Lmin: minimum length required for insertion of test piece



The LA101 Quick Connector provides a pressure-tight connection to straight tubes and bores (external diameter) within seconds. The manually operated connector wraps the test tube with a 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. If the contact surface is stained with a lubricant such as water, the pressure should only be 1 bar or less.

## Features

- 1.Can seal small straight vents
- 2.Wide range of tube tolerances
- 3.No seal adjustment required
- 4.No damage to test fittings

## Application

Quick connector for pressure and vacuum testing of straight tubes (external diameter), Swaged and flared, Beads and Barbs.

## Technical data

【Operating pressure PS】 3 bar (Max)

【Leak rate】  $10^{-4}$  mbar·l/s ( $10^{-5}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

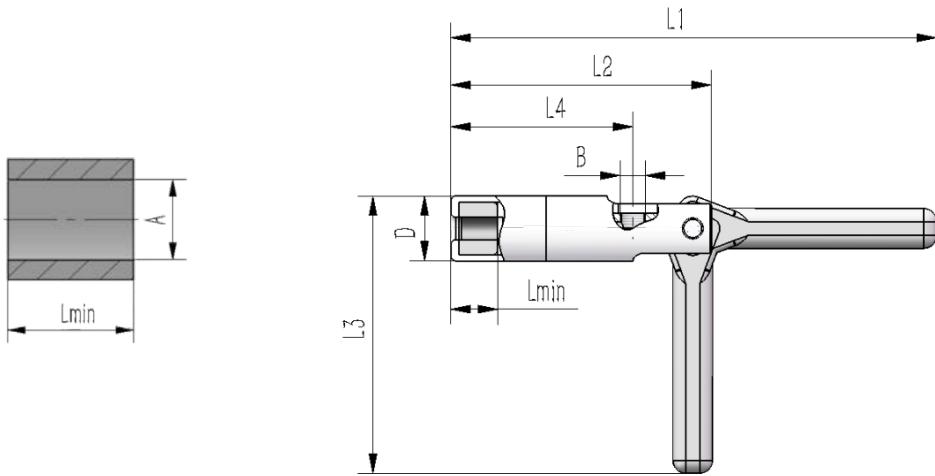
【Medium】 Oil free air or gaseous media (please indicate when ordering)

【Material】 Anodized aluminium

【Sealing material】 NBR, other designs on request

【Example of use】 Insert the test piece into the LA101 Quick Connector Turn the handle of the quick connector for 90° to seal and apply test pressure; At the end of the test, Turn the quick connector back to 90° and remove it.



**ORDERING: approx. Dimensions(mm)**

Body size	Sealing range A	Lmin*	Part No.	Plug Part No	Inlet B (internal thread)	$\Phi D$	L1	L2	L3	L4
1	$\Phi 0.80-\Phi 1.30$	4.0	LA101-01	LA101-01P	G1/8"	22.0	175.8	92.1	101.3	62.0
1	$\Phi 1.30-\Phi 2.00$	4.0	LA101-02	LA101-02P	G1/8"	22.0	175.8	92.1	101.3	62.0
1	$\Phi 2.00-\Phi 3.00$	4.0	LA101-03	LA101-03P	G1/8"	22.0	175.8	92.1	101.3	62.0
1	$\Phi 3.00-\Phi 4.00$	4.0	LA101-04	LA101-04P	G1/8"	22.0	175.8	92.1	101.3	62.0
1	$\Phi 4.00-\Phi 5.00$	4.0	LA101-05	LA101-05P	G1/8"	22.0	175.8	92.1	101.3	62.0
1	$\Phi 5.00-\Phi 6.00$	4.0	LA101-06	LA101-06P	G1/8"	22.0	175.8	92.1	101.3	62.0
2	$\Phi 6.00-\Phi 7.00$	20.0	LA101-07	LA101-07P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 7.00-\Phi 8.00$	20.0	LA101-08	LA101-08P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 8.00-\Phi 9.00$	20.0	LA101-09	LA101-09P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 9.00-\Phi 10.0$	20.0	LA101-10	LA101-10P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 10.0-\Phi 11.0$	20.0	LA101-11	LA101-11P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 11.0-\Phi 12.0$	20.0	LA101-12	LA101-12P	G1/8"	25.0	187.0	100.2	104.7	76.0
2	$\Phi 12.0-\Phi 13.0$	20.0	LA101-13	LA101-13P	G1/8"	25.0	187.0	100.2	104.7	76.0
3	$\Phi 13.0-\Phi 14.0$	25.0	LA101-14	LA101-14P	G1/8"	41.0	238.5	114.0	151.6	74.0
3	$\Phi 14.0-\Phi 15.0$	25.0	LA101-15	LA101-15P	G1/8"	41.0	238.5	114.0	151.6	74.0
3	$\Phi 15.0-\Phi 16.5$	25.0	LA101-16	LA101-16P	G1/8"	41.0	238.5	114.0	151.6	74.0
3	$\Phi 16.5-\Phi 18.0$	25.0	LA101-17	LA101-17P	G1/8"	41.0	238.5	114.0	151.6	74.0
3	$\Phi 18.0-\Phi 19.5$	25.0	LA101-18	LA101-18P	G1/8"	41.0	238.5	114.0	151.6	74.0
3	$\Phi 19.5-\Phi 21.0$	25.0	LA101-19	LA101-19P	G1/8"	41.0	238.5	114.0	151.6	74.0
4	$\Phi 21.0-\Phi 23.0$	25.0	LA101-20	LA101-20P	G1/8"	53.0	240.5	116.0	157.6	76.0
4	$\Phi 23.0-\Phi 25.0$	25.0	LA101-21	LA101-21P	G1/8"	53.0	240.5	116.0	157.6	76.0
4	$\Phi 25.0-\Phi 27.0$	25.0	LA101-22	LA101-22P	G1/8"	53.0	240.5	116.0	157.6	76.0
4	$\Phi 27.0-\Phi 29.0$	25.0	LA101-23	LA101-23P	G1/8"	53.0	240.5	116.0	157.6	76.0
4	$\Phi 29.0-\Phi 31.0$	25.0	LA101-24	LA101-24P	G1/8"	53.0	240.5	116.0	157.6	76.0

\* Lmin: minimum length required for insertion of test piece



The LA102 Quick Connector provides a pressure-tight connection to straight tubes and bores (internal diameter) within seconds. 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. If the contact surface is stained with a lubricant such as water, the pressure should only be 1 bar or less.

## Features

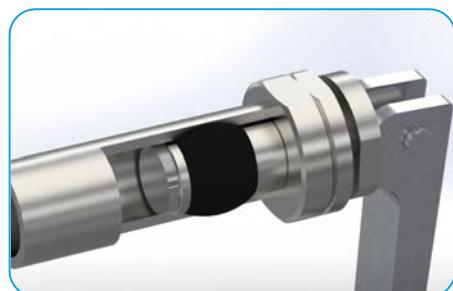
1. Manual adjustment to make the seal ring adaptive;
2. Compared with the LA102 connector, this connector is lighter and more flexible and less prone to interference. It can be used in narrow space applications.

## Application

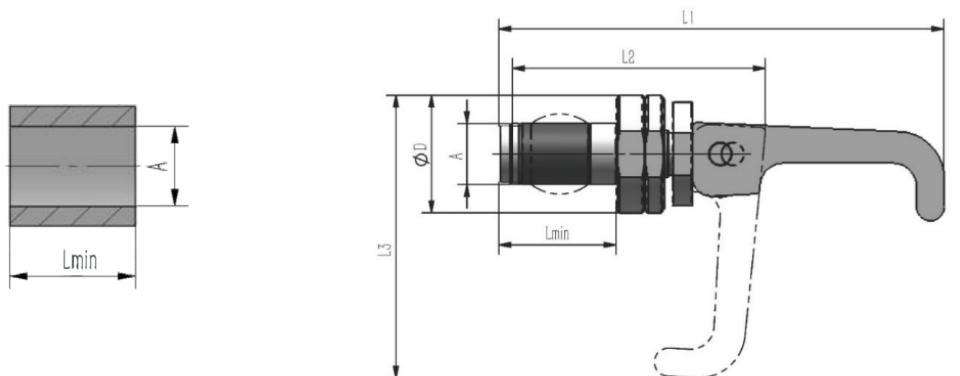
Quick connector for pressure and vacuum testing of straight tubes and bores (internal diameter).

## Technical data

- 【Operating pressure PS】 3 bar (Max)
- 【Leak rate】  $10^{-4}$  mbar·l/s ( $10^{-5}$  Pa·m<sup>3</sup>/s)
- 【Temperature range】 +5°C ~ +80°C
- 【Medium】 Oil free air or gaseous media (please indicate when ordering)
- 【Material】 Corrosion resistant stainless steel
- 【Sealing material】 NBR, other designs on request
- 【Example of use】 Insert the LA102 Quick Connector into the test piece; Turn the handle of the quick connector for 90° to seal and apply test pressure; At the end of the test, Turn the quick connector back to 90° and remove it.



## ORDERING: approx. Dimensions(mm)



Body size 1, 2, 3

Body size	Sealing range A	Lmin*	Plug Part No	ΦD	L1	L2	L3
1	Φ9.5-Φ10.4	17.0	LA102-01P	18.0	93.0	47.0	51.7
1	Φ10.5-Φ11.4	17.0	LA102-02P	18.0	93.0	47.0	51.7
1	Φ11.5-Φ12.4	17.0	LA102-03P	18.0	93.0	47.0	51.7
1	Φ12.5-Φ13.4	18.0	LA102-04P	18.0	93.0	47.0	51.7
2	Φ13.5-Φ14.4	25.0	LA102-05P	25.0	105.0	54.0	60.2
2	Φ14.5-Φ15.4	25.0	LA102-06P	25.0	105.0	54.0	60.2
2	Φ15.5-Φ16.4	25.0	LA102-07P	25.0	105.0	54.0	60.2
2	Φ16.5-Φ17.4	25.0	LA102-08P	25.0	105.0	54.0	60.2
2	Φ17.5-Φ18.4	25.0	LA102-09P	25.0	105.0	54.0	60.2
2	Φ18.5-Φ19.4	25.0	LA102-10P	25.0	105.0	54.0	60.2
2	Φ19.5-Φ20.4	25.0	LA102-11P	25.0	105.0	54.0	60.2
2	Φ20.5-Φ21.4	25.0	LA102-12P	25.0	105.0	54.0	60.2
2	Φ21.5-Φ22.4	25.0	LA102-13P	25.0	105.0	54.0	60.2
2	Φ22.5-Φ23.4	25.0	LA102-14P	25.0	105.0	54.0	60.2
2	Φ23.5-Φ24.4	25.0	LA102-15P	25.0	105.0	54.0	60.2
3	Φ24.5-Φ25.4	25.0	LA102-16P	35.0	122.0	59.0	80.4
3	Φ25.5-Φ26.4	25.0	LA102-17P	35.0	122.0	59.0	80.4
3	Φ26.5-Φ27.4	25.0	LA102-18P	35.0	122.0	59.0	80.4
3	Φ27.5-Φ28.4	25.0	LA102-19P	35.0	122.0	59.0	80.4
3	Φ28.5-Φ29.4	25.0	LA102-20P	35.0	122.0	59.0	80.4
3	Φ29.5-Φ30.4	25.0	LA102-21P	35.0	122.0	59.0	80.4
3	Φ30.5-Φ31.4	25.0	LA102-22P	35.0	122.0	59.0	80.4
3	Φ31.5-Φ32.4	25.0	LA102-23P	35.0	122.0	59.0	80.4
3	Φ32.5-Φ33.4	25.0	LA102-24P	35.0	122.0	59.0	80.4
3	Φ33.5-Φ34.4	25.0	LA102-25P	35.0	122.0	59.0	80.4
3	Φ34.5-Φ35.4	25.0	LA102-26P	35.0	122.0	59.0	80.4



The LA200 Quick Connector is especially designed for pressure and vacuum testing on components with internal thread, e.g. fittings, fixtures, tubes, boilers, tanks, radiators, etc. Only hand-tighten the connector into the thread until the O-ring seal contacts the test piece. The LA200 seals without wrenches, sealants or tape. NBR seals meet most industrial requirements.

The LA200 is available as a connector with media inlet, with or without a swivel joint and as a plug.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to max. 345 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5 °C ~ +80°C

【Material】 Corrosion resistant stainless steel

【Sealing material】 NBR, other designs on request

【Example of use】 Hand-tighten the connector into the thread; Gently tighten with your fingers to make O-rings properly compressed. The LA200 quick connector is connected and the test pressure can be applied. After use, disconnect the test pressure and then unscrew the connector.

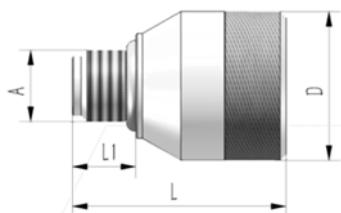


## Special solutions

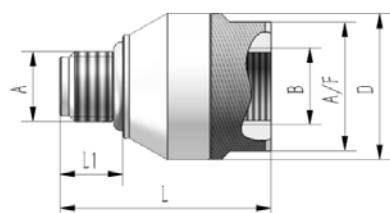
Extended LA200 connector for pressure testing of internally threaded components with limited external space



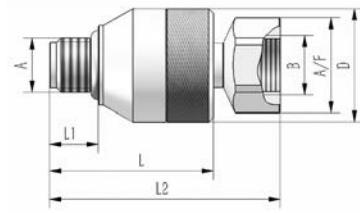
## ORDERING: approx. Dimensions(mm)



Plug



Connector with media inlet

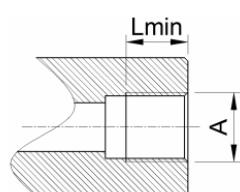


Connector with media inlet  
and swivel joint

Body size	B	$\Phi D$	L	L1	L2	A/F
01	G1/8"	20.5	31.0	8.5	45.3	17.0
1	G1/8"	20.5	33.0	9.0	47.3	17.0
2	G1/4"	25.0	36.0	10.7	52.0	19.0
3	G3/8"	30.0*	39.5	11.0	57.3	24.0
4	G1/2"	35.0	47.5	14.5	70.7	30.0
5	G3/4"	43.0	50.5	15.6	76.0	36.0
6	G1"	50.0	60.0	18.0	*	*
7	*	60.0	55.0	19.2	84.3	50.0
8	*	69.5	62.0	19.2	94.4	60.0
9	*	82.0	70.0	21.0	102.7	75.0

\*on request

## LA200 Type Connector Part-numbers

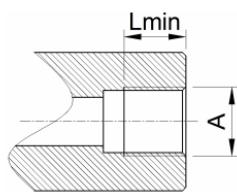


Metric ISO thread

Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug	Part No. Connector with seivel joint
01	M5×0.8	7.0	345 bar	LA200-M001	LA200-M001P	LA200-M001S
01	M6×1.0	7.0	345 bar	LA200-M002	LA200-M002P	LA200-M002S
01	M8×1.0	7.0	345 bar	LA200-M003	LA200-M003P	LA200-M003S
1	M10×1.0	7.0	345 bar	LA200-M004	LA200-M004P	LA200-M004S
1	M10×1.5	7.0	345 bar	LA200-M005	LA200-M005P	LA200-M005S
2	M12×1.0	9.5	345 bar	LA200-M006	LA200-M006P	LA200-M006S
2	M12×1.5	9.5	345 bar	LA200-M007	LA200-M007P	LA200-M007S
2	M12×1.75	9.5	345 bar	LA200-M008	LA200-M008P	LA200-M008S
2	M14×1.5	9.5	345 bar	LA200-M009	LA200-M009P	LA200-M009S
3	M16×1.5	10.5	276 bar	LA200-M010	LA200-M010P	LA200-M010S
3	M18×1.5	10.5	276 bar	LA200-M011	LA200-M011P	LA200-M011S
4	M20×1.5	10.5	276 bar	LA200-M012	LA200-M012P	LA200-M012S
4	M22×1.5	10.5	276 bar	LA200-M013	LA200-M013P	LA200-M013S
5	M24×1.5	11.0	276 bar	LA200-M014	LA200-M014P	LA200-M014S
5	M26×1.5	11.0	276 bar	LA200-M015	LA200-M015P	LA200-M015S

Lmin\*: Minimum thread length

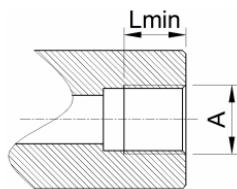
# LANGAN® Quick connectors



Following British  
Pipe Threads

Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug	Part No. Connector with seivel joint
1	G1/8"	7.0	345 bar	LA200-G001	LA200-G001P	LA200-G001S
2	G1/4"	9.5	345 bar	LA200-G002	LA200-G002P	LA200-G002S
3	G3/8"	10.5	276 bar	LA200-G003	LA200-G003P	LA200-G003S
4	G1/2"	10.5	276 bar	LA200-G004	LA200-G004P	LA200-G004S
5	G3/4"	11.0	276 bar	LA200-G005	LA200-G005P	LA200-G005S
6	G1"	12.5	276 bar	LA200-G006	LA200-G006P	LA200-G006S
7	G1 1/4"	**	276 bar	LA200-G007	LA200-G007P	LA200-G007S
8	G1 1/2"	**	210 bar	LA200-G008	LA200-G008P	LA200-G008S
9	G2"	**	172 bar	LA200-G009	LA200-G009P	LA200-G009S

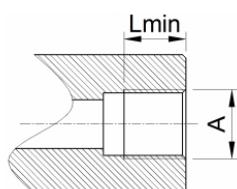
Lmin\*: Minimum thread length, \*\*Other connector sizes and versions on request



BSPT (tapered  
Whitworth tube thread)

Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug	Part No. Connector with seivel joint
1	BSPT 1/8"	7.0	345 bar	LA200-B001	LA200-B001P	LA200-B001S
2	BSPT 1/4"	9.5	345 bar	LA200-B002	LA200-B002P	LA200-B002S
3	BSPT 3/8"	10.5	276 bar	LA200-B003	LA200-B003P	LA200-B003S
4	BSPT 1/2"	10.5	276 bar	LA200-B004	LA200-B004P	LA200-B004S
5	BSPT 3/4"	11.0	276 bar	LA200-B005	LA200-B005P	LA200-B005S
6	BSPT 1"	12.5	276 bar	LA200-B006	LA200-B006P	LA200-B006S

Lmin\*: Minimum thread length, Other connector sizes and versions on request

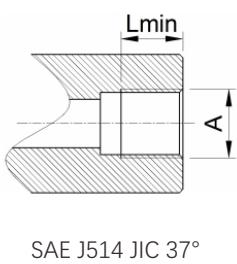


NPT thread

Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug	Part No. Connector with seivel joint
1	NPT 1/8"	7.0	345 bar	LA200-N001	LA200-N001P	LA200-N001S
2	NPT 1/4"	9.5	345 bar	LA200-N002	LA200-N002P	LA200-N002S
3	NPT 3/8"	10.5	276 bar	LA200-N003	LA200-N003P	LA200-N003S
4	NPT 1/2"	10.5	276 bar	LA200-N004	LA200-N004P	LA200-N004S
5	NPT 3/4"	11.0	276 bar	LA200-N005	LA200-N005P	LA200-N005S
6	NPT 1"	12.5	276 bar	LA200-N006	LA200-N006P	LA200-N006S
7	NPT 1 1/4"	**	276 bar	LA200-N007	LA200-N007P	LA200-N007S
8	NPT 1 1/2"	**	210 bar	LA200-N008	LA200-N008P	LA200-N008S
9	NPT 2"	**	172 bar	LA200-N009	LA200-N009P	LA200-N009S

Lmin\*: Minimum thread length, \*\*Other connector sizes and versions on request

# LA200 Type



Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug	Part No. Connector with seivel joint
1	UNF 3/8"-24	7.0	345 bar	LA200-S001	LA200-S001P	LA200-S001S
1	UNF 7/16"-20	7.0	345 bar	LA200-S002	LA200-S002P	LA200-S002S
2	UNF 1/2"-20	9.5	345 bar	LA200-S003	LA200-S003P	LA200-S003S
2	UNF 9/16"-18	9.5	345 bar	LA200-S004	LA200-S004P	LA200-S004S
3	UNF 3/4"-16	10.5	276 bar	LA200-S005	LA200-S005P	LA200-S005S
4	UNF 7/8"-14	10.5	276 bar	LA200-S006	LA200-S006P	LA200-S006S
5	UNF 11/16"-12	11.0	276 bar	LA200-S007	LA200-S007P	LA200-S007S
6	UNF 15/16"-12	11.0	276 bar	LA200-S008	LA200-S008P	LA200-S008S

Lmin\*: Minimum thread length, Other connector sizes and versions on request

# LANGAN® Quick connectors



The LA201 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 LA201 seals without wrenches, sealants or tape. NBR seals meet most industrial requirements. The LA201 is available as a connector with Media inlet and as a plug.

## Technical data

【Operating pressure PS】 Vacuum up to Max 345 bar

【Leak rate】  $10^{-3}$  mbar×l/s ( $10^{-4}$  Pa×m<sup>3</sup>/s)

【Temperature range】 +5 °C ~ +80°C

【Material】 Corrosion resistant stainless steel

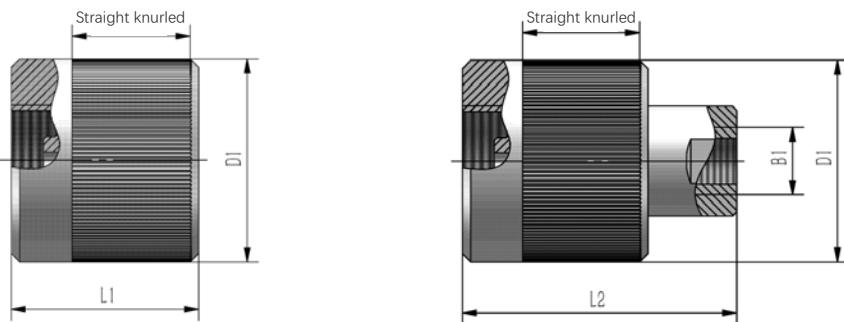
【Sealing material】 NBR, other designs on request

【Example of use】 Hand-tighten the connector into the thread; Gently tighten with your fingers to make O-rings properly compressed. The LA201 quick connector is connected and the test pressure can be applied. After use, disconnect the test pressure and then unscrew the connector.



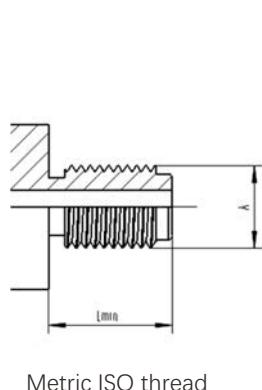
# LA201 Type

## ORDERING: approx. Dimensions(mm)



Body size	B1	D1	L1	L2
1	G1/8"	22.0	25.2	35.2
2	G1/4"	27.0	26.2	40.2
3	G3/8"	32.0	27.9	37.9
4	--	35.0	27.9	37.9
5	G1/2"	37.0	32.7	50.7
6	G3/4"	44.0	33.7	51.7
7	G1"	52.0	39.4	59.9

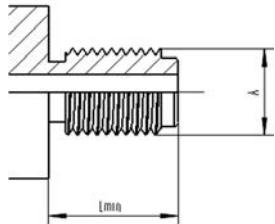
## LA201 Type Connector Part-numbers



Body size	Thread A	B	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	M10×1.0	G 1/8"	8	50 bar	LA201-M001	LA201-M001P
2	M12×1.5	G 1/4"	10	50 bar	LA201-M002	LA201-M002P
2	M14×1.5	G 1/4"	10	50 bar	LA201-M003	LA201-M003P
3	M16×1.5	G 3/8"	11	50 bar	LA201-M004	LA201-M004P
4	M18×1.5	G 3/8"	11	50 bar	LA201-M005	LA201-M005P
5	M20×1.5	G 1/2"	**	50 bar	LA201-M006	LA201-M006P
5	M22×1.5	G 1/2"	12	50 bar	LA201-M007	LA201-M007P
6	M24×1.5	G 3/4"	14	50 bar	LA201-M008	LA201-M008P
6	M26×1.5	G 3/4"	**	50 bar	LA201-M009	LA201-M009P

Lmin\*: Minimum thread length, \*\*Other connector sizes and versions on request

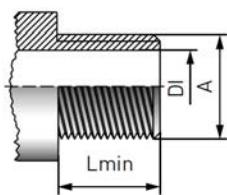
# LANGAN® Quick connectors



Whitworth tube thread  
to DIN ISO 228-1 - acc.

Body size	Thread A	B	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	G1/8"	G1/8"	12	50 bar	LA201-G001	LA201-G001P
2	G1/4"	G1/4"	12	50 bar	LA201-G002	LA201-G002P
3	G3/8"	G3/8"	12	50 bar	LA201-G003	LA201-G003P
4	G1/2"	G1/2"	12	50 bar	LA201-G004	LA201-G004P
5	G3/4"	G3/4"	12	50 bar	LA201-G005	LA201-G005P
6	G1"	G1"	12	50 bar	LA201-G006	LA201-G006P

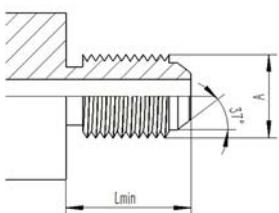
Lmin\*: Minimum thread length



NPT thread  
(ANSI/ASME B1.20.1-1983)

Body size	Thread A	D1 max. (mm)	B	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	NPT 1/8"	5.0	G1/8"	9.7	50 bar	LA201-N001	LA201-N001P
2	NPT 1/4"	7.0	G1/4"	14.0	50 bar	LA201-N002	LA201-N002P
3	NPT 3/8"	10.5	G3/8"	14.0	50 bar	LA201-N003	LA201-N003P
5	NPT 1/2"	14.0	G1/2"	19.0	50 bar	LA201-N004	LA201-N004P
6	NPT 3/4"	18.0	G3/4"	19.0	50 bar	LA201-N005	LA201-N005P
7	NPT 1"	24.0	G1"	20.5	50 bar	LA201-N006	LA201-N006P

Lmin\*: Minimum thread length, \*\*Other connector sizes and versions on request



SAE J514 JIC 37°

Body size	Thread A	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	UNF 3/8"-24	11.2	345 bar	LA201-S001	LA201-S001P
1	UNF 7/16"-20	12.7	345 bar	LA201-S002	LA201-S002P
1	UNF 9/16"-18	14.2	345 bar	LA201-S003	LA201-S003P
1	UNF 5/8"-18	15.7	345 bar	LA201-S004	LA201-S004P
2	UNF 3/4"-16	19.0	276 bar	LA201-S005	LA201-S005P
2	UNF 7/8"-14	22.4	276 bar	LA201-S006	LA201-S006P
2	UN 1 1/16"-12	25.4	276 bar	LA201-S007	LA201-S007P
3	UN 1 1/16"-14	25.4	172 bar	LA201-S008	LA201-S008P

Lmin\*: Minimum thread length



The LA300 Quick Connector is designed for sealing standardized internal thread applications. The higher the test pressure the tighter the 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. Special versions, e.g. connectors in longer or shorter versions, as a plug etc. are possible.

## Technical data

**【Operating pressure PS】** Vacuum up to Max 200 bar

**【Leak rate】**  $10^{-3}$  mbar $\times$ l/s ( $10^{-4}$  Pa $\times$ m $^3$ /s)

**【Temperature range】** +5 °C ~ +80°C

**【Material】** Corrosion resistant stainless steel, anodized aluminium. Other designs on request.

**【Sealing material】** NBR, Urethane seals are available for abrasive applications

**【Pilot pressure(Type V)】** port P1: 6 - 12 bar compressed air

**【Example of use】** Press the handle and insert the quick connector into the threaded hole;

Release the handle and the quick connector is connected.

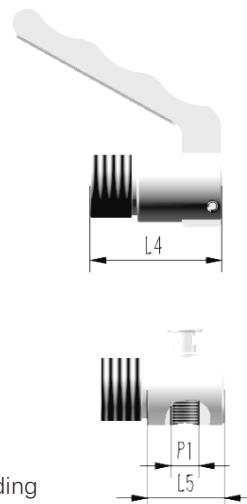
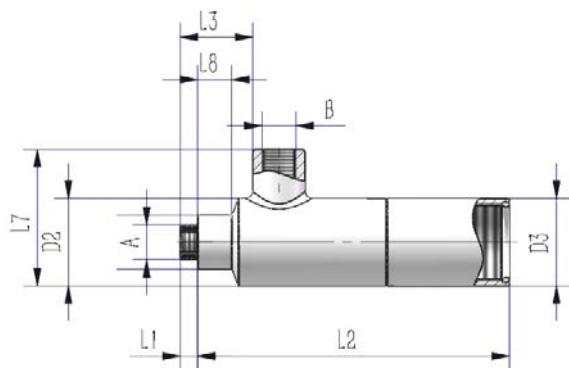


## LA300 Quick Connector in Special Type

LA300 longer version is used to do testing for female thread component with limited outside space. It could be customized on request.



## ORDERING: approx. Dimensions(mm)



**H**

Manually by depressing the hand lever. Medium effort required.

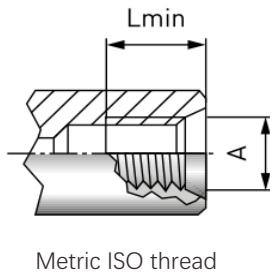
**V**

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

Ordering: please indicate at the end of the part no. the letter corresponding to the desired type of actuation (H, V) Example: LA300-M213-H

Body size	B1	D2	D3	L1	L2	L3	L4	L5	L7	L8	P1
1	G 1/8"	25.0	25.0	5.2	89.1	15.6	29.7	24.0	37.0	10.0	G 1/8"
2	G 1/4"	27.0	27.0	6.5	89.6	13.6	30.7	18.0	38.8	10.0	G 1/8"
3	G 3/8"	32.0	32.0	8.0	96.1	14.6	34.0	18.0	50.0	10.0	G 1/8"
4	G 1/2"	36.0	36.0	9.0	99.5	14.3	35.0	18.0	54.0	10.0	G 1/8"
5	G 3/4"	43.5	36.0	9.7	136.0	16.2	36.0	18.0	68.0	10.0	G 1/8"
6	G 3/4"	49.0	36.0	9.7	136.0	16.2	36.0	18.0	73.5	10.0	G 1/8"
7	G 1"	49.0	36.0	12.7	136.0	11.7	36.0	18.0	79.5	10.0	G 1/8"

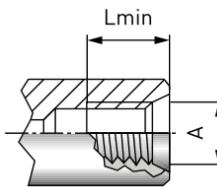
## LA300 Type Connector Part-numbers



Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	M8×1	9	LA300-M0200-01	LA300-M0200-01P
1	M8×1.25	9	LA300-M0200	LA300-M0200P
1	M10×0.75	9	LA300-M200-01	LA300-M200-01P
1	M10×1.0	9	LA300-M200	LA300-M200P
1	M10×1.25	9	LA300-M200-02	LA300-M200-02P
1	M10×1.5	9	LA300-M200-03	LA300-M200-03P
2	M12×1.0	10.5	LA300-M201-01	LA300-M201-01P
2	M12×1.25	10.5	LA300-M201-02	LA300-M201-02P
2	M12×1.5	10.5	LA300-M201	LA300-M201P
2	M12×1.75	10.5	LA300-M201-03	LA300-M201-03P
2	M14×1.0	10.5	LA300-M202-01	LA300-M202-01P
2	M14×1.5	10.5	LA300-M202	LA300-M202P
2	M14×2.0	10.5	LA300-M202-02	LA300-M202-02P
3	M16×1.0	12	LA300-M203-01	LA300-M203-01P
3	M16×1.5	12	LA300-M203	LA300-M203P
3	M16×2.0	12	LA300-M203-02	LA300-M203-02P
3	M18×1.0	12	LA300-M204-01	LA300-M204-01P
3	M18×1.5	12	LA300-M204	LA300-M204P
3	M18×2.0	12	LA300-M204-02	LA300-M204-02P
4	M20×1.0	13	LA300-M205-01	LA300-M205-01P
4	M20×1.5	13	LA300-M205	LA300-M205P
4	M20×2.0	13	LA300-M205-02	LA300-M205-02P
4	M22×1.0	13	LA300-M206-01	LA300-M206-01P
4	M22×1.5	13	LA300-M206	LA300-M206P
4	M22×2.0	13	LA300-M206-02	LA300-M206-02P
5	M24×1.0	15	LA300-M207-01	LA300-M207-01P
5	M24×1.5	15	LA300-M207	LA300-M207P
5	M24×2.0	15	LA300-M207-02	LA300-M207-02P
5	M26×1.5	15	LA300-M208	LA300-M208P
5	M27×1.0	15	LA300-M209-01	LA300-M209-01P
5	M27×1.5	15	LA300-M209	LA300-M209P
5	M27×2.0	15	LA300-M209-02	LA300-M209-02P
5	M28×1.0	15	LA300-M210-01	LA300-M210-01P
5	M28×1.5	15	LA300-M210	LA300-M210P
5	M28×2.0	15	LA300-M210-02	LA300-M210-02P
6	M30×1.0	15	LA300-M211-01	LA300-M211-01P
6	M30×1.5	15	LA300-M211	LA300-M211P
6	M30×2.0	15	LA300-M211-02	LA300-M211-02P
6	M30×3.0	15	LA300-M211-03	LA300-M211-03P
7	M32×1.5	15	LA300-M212	LA300-M212P
7	M32×2.0	15	LA300-M212-01	LA300-M212-01P
7	M33×1.5	15	LA300-M213	LA300-M213P
7	M33×2.0	15	LA300-M213-01	LA300-M213-01P
7	M33×3.0	15	LA300-M213-02	LA300-M213-02P

Lmin\*: Minimum thread length

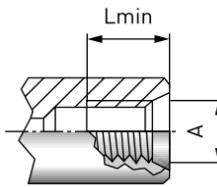
# LANGAN® Quick connectors



Whitworth tube thread  
to DIN ISO 228-1 - acc.

Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	G1/8"	9	LA300-G100	LA300-G100P
2	G1/4"	10.5	LA300-G101	LA300-G101P
3	G3/8"	12	LA300-G102	LA300-G102P
4	G1/2"	13	LA300-G103	LA300-G103P
5	G3/4"	13	LA300-G105	LA300-G105P
7	G1"	15	LA300-G106	LA300-G106P

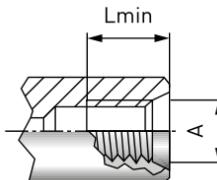
Lmin\*: Minimum thread length



BSPT (tapered)  
Whitworth tube thread)

Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	BSPT 1/8"	9	LA300-B100	LA300-B100P
2	BSPT 1/4"	10.5	LA300-B101	LA300-B101P
3	BSPT 3/8"	12	LA300-B102	LA300-B102P
4	BSPT 1/2"	13	LA300-B103	LA300-B103P
5	BSPT 3/4"	13	LA300-B105	LA300-B105P
7	BSPT 1"	15	LA300-B106	LA300-B106P

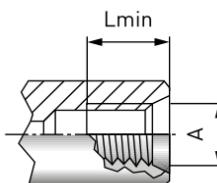
Lmin\*: Minimum thread length



NPT thread  
(ANSI/ASME B1.20.1-1983)

Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	NPT 1/8"	9	LA300-N100	LA300-N100P
2	NPT 1/4"	10.5	LA300-N101	LA300-N101P
3	NPT 3/8"	12	LA300-N102	LA300-N102P
4	NPT 1/2"	13	LA300-N103	LA300-N103P
5	NPT 3/4"	15	LA300-N105	LA300-N105P
7	NPT 1"	15	LA300-N106	LA300-N106P

Lmin\*: Minimum thread length



SAE J514 JIC 37°

Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	UNF 3/8"-24	9	LA300-S100	LA300-S100P
2	UNF 7/16"-20	9	LA300-S101	LA300-S101P
2	UNF 1/2"-20"	10.5	LA300-S102	LA300-S102P
3	UNF 9/16"-18	12	LA300-S103	LA300-S103P
3	UNF 3/4"-16	12	LA300-S105	LA300-S105P
4	UNF 7/8"-14	12	LA300-S106	LA300-S106P
5	UN 1 1/16"-12	13	LA300-S107	LA300-S107P
6	UN 1 3/16"-12	15	LA300-S108	LA300-S108P
7	UN 1 5/16"-12	15	LA300-S109	LA300-S109P

Lmin\*: Minimum thread length



The LA300L series lengthen threads based on the LA300. The LA300L Quick Connector is designed for sealing standardized internal thread applications. The higher the test pressure the tighter the 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.

Special versions, e.g. connectors in longer or shorter versions, as a plug etc. are possible.

## Technical data

**【Operating pressure PS】** Vacuum up to Max 350 bar

**【Leak rate】**  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

**【Temperature range】** +5 °C ~ +80°C

**【Material】** Corrosion resistant stainless steel, anodized aluminium. Other designs on request.

**【Sealing material】** NBR, Urethane seals are available for abrasive applications

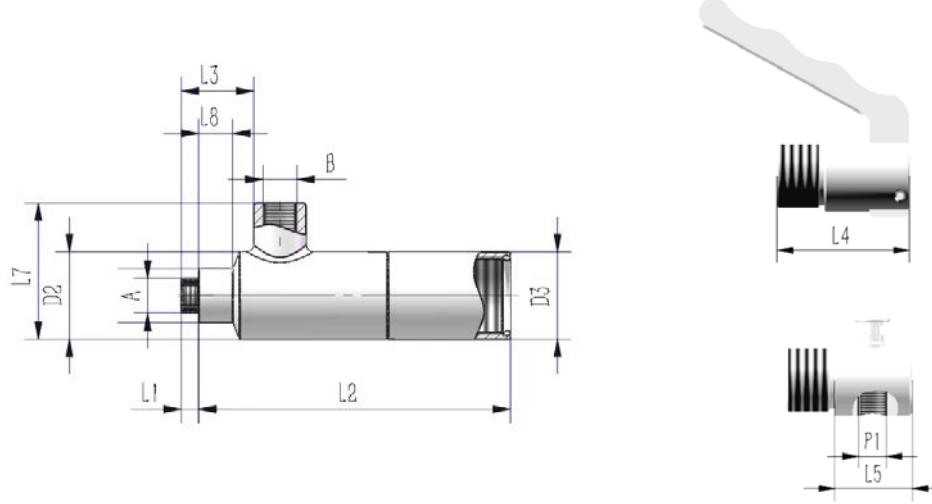
**【Pilot pressure(Type V)】** port P1 : 6 - 12 bar compressed air

**【Example of use】** Press the handle and insert the quick connector into the threaded hole;

Release the handle and the quick connector is connected.

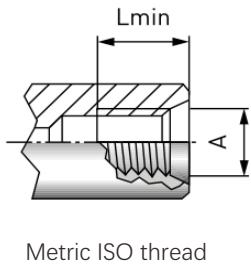


## ORDERING: approx. Dimensions(mm)



Body size	B1	D2	D3	L1	L2	L3	L4	L5	L7	L8	L9
1	G 1/8"	25	25	7.2	89.1	17.6	29.7	24	37	9.6	G 1/8"
2	G 1/4"	27	27	8.5	89.6	15.6	30.7	18	38.8	10	G 1/8"
3	G 3/8"	32	32	10	96.1	16.6	34	18	50	14.6	G 1/8"
4	G 1/2"	36	36	11	99.5	16.3	35	18	54	9.5	G 1/8"
5	G3/4"	43.5	36	11.7	136	18.2	36	18	68	10	G 1/8"
6	G3/4"	49	36	11.7	136	18.2	36	18	73.5	10	G 1/8"
7	G1"	49	36	14.7	136	13.7	36	18	79.5	10	G 1/8"
On request for special dimension.											

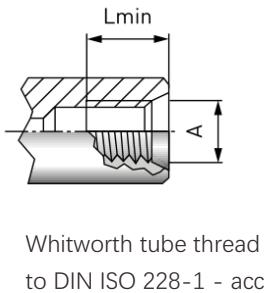
## LA300L Type Connector Part-numbers



Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	M10×0.75	11	LA300L-M200-01	LA300L-M200-01P
1	M10×1.0	11	LA300L-M200	LA300L-M200P
1	M10×1.25	11	LA300L-M200-02	LA300L-M200-02P
1	M10×1.5	11	LA300L-M200-03	LA300L-M200-03P
2	M12×1.0	13	LA300L-M201-01	LA300L-M201-01P
2	M12×1.25	13	LA300L-M201-02	LA300L-M201-02P
2	M12×1.5	13	LA300L-M201	LA300L-M201P
2	M12×1.75	13	LA300L-M201-03	LA300L-M201-03P
2	M14×1.0	13	LA300L-M202-01	LA300L-M202-01P
2	M14×1.5	13	LA300L-M202	LA300L-M202P
2	M14×2.0	13	LA300L-M202-02	LA300L-M202-02P
3	M16×1.0	14	LA300L-M203-01	LA300L-M203-01P
3	M16×1.5	14	LA300L-M203	LA300L-M203P
3	M16×2.0	14	LA300L-M203-02	LA300L-M203-02P
3	M18×1.0	14	LA300L-M204-01	LA300L-M204-01P
3	M18×1.5	14	LA300L-M204	LA300L-M204P
3	M18×2.0	14	LA300L-M204-02	LA300L-M204-02P
4	M20×1.0	15	LA300L-M205-01	LA300L-M205-01P
4	M20×1.5	15	LA300L-M205	LA300L-M205P
4	M20×2.0	15	LA300L-M205-02	LA300L-M205-02P
4	M22×1.0	15	LA300L-M206-01	LA300L-M206-01P
4	M22×1.5	15	LA300L-M206	LA300L-M206P
4	M22×2.0	15	LA300L-M206-02	LA300L-M206-02P
5	M24×1.0	18	LA300L-M207-01	LA300L-M207-01P
5	M24×1.5	18	LA300L-M207	LA300L-M207P
5	M24×2.0	18	LA300L-M207-02	LA300L-M207-02P
5	M26×1.5	18	LA300L-M208	LA300L-M208P
5	M27×1.0	18	LA300L-M209-01	LA300L-M209-01P
5	M27×1.5	18	LA300L-M209	LA300L-M209P
5	M27×2.0	18	LA300L-M209-02	LA300L-M209-02P
5	M28×1.0	18	LA300L-M210-01	LA300L-M210-01P
5	M28×1.5	18	LA300L-M210	LA300L-M210P
5	M28×2.0	18	LA300L-M210-02	LA300L-M210-02P
6	M30×1.0	18	LA300L-M211-01	LA300L-M211-01P
6	M30×1.5	18	LA300L-M211	LA300L-M211P
6	M30×2.0	18	LA300L-M211-02	LA300L-M211-02P
6	M30×3.0	18	LA300L-M211-03	LA300L-M211-03P
6	M32×1.5	18	LA300L-M212	LA300L-M212P
6	M32×2.0	18	LA300L-M212-01	LA300L-M212-01P
6	M33×1.5	18	LA300L-M213	LA300L-M213P
6	M33×2.0	18	LA300L-M213-01	LA300L-M213-01P
6	M33×3.0	18	LA300L-M213-02	LA300L-M213-02P

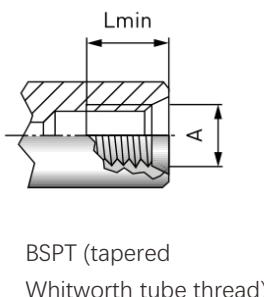
Lmin\*: Minimum thread length

# LANGAN® Quick connectors



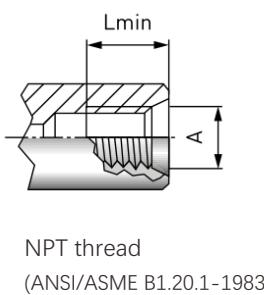
Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	G 1/8"	11	LA300L-G100	LA300L-G100P
2	G 1/4"	13	LA300L-G101	LA300L-G101P
3	G 3/8"	14	LA300L-G102	LA300L-G102P
4	G 1/2"	15	LA300L-G103	LA300L-G103P
4	G 3/4"	15	LA300L-G105	LA300L-G105P
5	G 1"	18	LA300L-G106	LA300L-G106P

Lmin\*: Minimum thread length



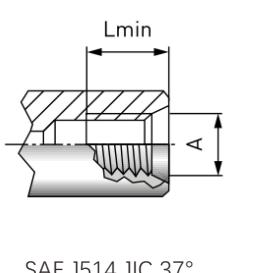
Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	BSPT 1/8"	11	LA300L-B100	LA300L-B100P
2	BSPT 1/4"	13	LA300L-B101	LA300L-B101P
3	BSPT 3/8"	14	LA300L-B102	LA300L-B102P
4	BSPT 1/2"	15	LA300L-B103	LA300L-B103P
4	BSPT 3/4"	15	LA300L-B105	LA300L-B105P
5	BSPT 1"	18	LA300L-B106	LA300L-B106P

Lmin\*: Minimum thread length



Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	NPT 1/8"	11	LA300L-N100	LA300L-N100P
2	NPT 1/4"	13	LA300L-N101	LA300L-N101P
3	NPT 3/8"	14	LA300L-N102	LA300L-N102P
4	NPT 1/2"	15	LA300L-N103	LA300L-N103P
5	NPT 3/4"	15	LA300L-N105	LA300L-N105P
6	NPT 1"	18	LA300L-N106	LA300L-N106P

Lmin\*: Minimum thread length



Body size	Thread A	Lmin*(mm)	Part No.	Part No.Plug
1	UNF 3/8"-24	11	LA300L-S100	LA300L-S100P
2	UNF 7/16"-20	13	LA300L-S101	LA300L-S101P
2	UNF 1/2"-20	13	LA300L-S102	LA300L-S102P
3	UNF 9/16"-18	14	LA300L-S103	LA300L-S103P
3	UNF 3/4"-16	14	LA300L-S105	LA300L-S105P
3	UNF 7/8"-14	14	LA300L-S106	LA300L-S106P
4	UN 11/16"-12	15	LA300L-S107	LA300L-S107P
5	UN 1 3/16"-12	18	LA300L-S108	LA300L-S108P
5	UN 1 5/16"-12	18	LA300L-S109	LA300L-S109P

Lmin\*: Minimum thread length

Ordering: please indicate at the end of the part no. the letter corresponding to the desired type of actuation

Example: LA300-M213-P



The LA301 Quick Connector is used for air tightness test or pressure test of components with external thread and can be connected instantaneously, which can significantly increase connection efficiency and reliability. Special applications: Longer or shorter Quick Connector is available; it can also be supplied as a plug.

## Technical data

【Operating pressure PS】 port B: Vacuum up to Max 350 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Paxm<sup>3</sup>/s)

【Temperature range】 +5 °C ~ +80°C

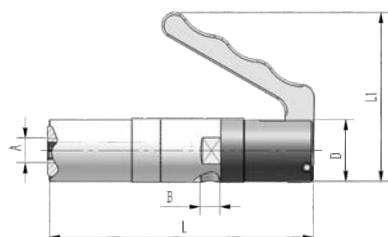
【Material】 Corrosion resistant stainless steel, anodized aluminium. Other designs on request.

【Sealing material】 NBR

【Example of use】 Press the handle and insert the test piece into the quick connector; Release the handle and the quick connector is connected.

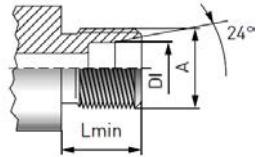


## ORDERING: approx. Dimensions(mm)



Body size	B	D	L	L1
1	G 1/8"	33	134.7	86.4
2	G 1/4"	40	137.2	86.4
3	G 3/8"	52	137.2	86.4

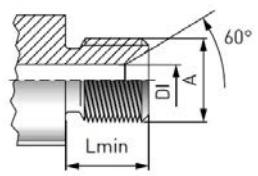
## LA301 Type Connector Part-numbers



Tube connection to DIN 3902 - Threaded stem acc.

Body size	Thread A (external thread)	DI max.	Max. Operating Pressure	Lmin* (mm)	Series	Part No.Connector	Part No. Plug
1	M8×1.0	4	100 bar	8	LL	LA301-M0200A-P	LA301-M0200AP
1	M10×1.0	6	100 bar	8	LL	LA301-M200A	LA301-M200A-P
1	M12×1.0	8	100 bar	9	LL	LA301-M201-01A-P	LA301-M201A-01-P
1	M12×1.5	6	250 bar	10	L	LA301-M201A	LA301-M201A-P
1	M14×1.5	8	250 bar	10	L	LA301-M202A	LA301-M202A-P
1	M16×1.5	10	250 bar	11	L	LA301-M203A	LA301-M203A-P
2	M18×1.5	12	250 bar	11	L	LA301-M204A	LA301-M204A-P
2	M22×1.5	15	250 bar	12	L	LA301-M206A	LA301-M206A-P
3	M26×1.5	18	10 bar	12	L	LA301-M208A	LA301-M208A-P
3	M30×2.0	22	10 bar	14	L	LA301-M211-02A-P	LA301-M211-02A-P
1	M14×1.5	6	350 bar	12	S	LA301-M202B	LA301-M202B-P
1	M16×1.5	8	350 bar	12	S	LA301-M203B	LA301-M203B-P
2	M18×1.5	10	350 bar	12	S	LA301-M204B	LA301-M204B-P
2	M20×1.5	12	350 bar	12	S	LA301-M205B	LA301-M205B-P
2	M22×1.5	14	350 bar	14	S	LA301-M206B	LA301-M206B-P
3	M24×1.5	16	10 bar	14	S	LA301-M207B	LA301-M207B-P
3	M30×2.0	20	10 bar	16	S	LA301-M211-02B-P	LA301-M211B-02-P

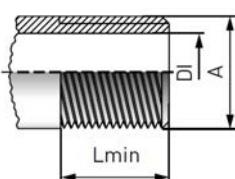
Lmin\*: Minimum thread length



Threaded stem to DIN 7631 / DIN 7647

Body size	Thread A (external thread)	DI max.	Lmin* (mm)	Series	Part No.Connector	Part No. Plug
1	M10×1.0	3	350 bar	8	LA301-M200C	LA301-M200C-P
1	M12×1.5	4	350 bar	10	LA301-M201C	LA301-M201C-P
1	M14×1.5	6	350 bar	10	LA301-M202C	LA301-M202C-P
1	M16×1.5	7	350 bar	11	LA301-M203C	LA301-M203C-P
2	M18×1.5	9	350 bar	11	LA301-M204C	LA301-M204C-P
2	M20×1.5	11	350 bar	11	LA301-M205C	LA301-M205C-P
2	M22×1.5	11	350 bar	12	LA301-M206C	LA301-M206C-P
3	M26×1.5	14	350 bar	12	LA301-M208C	LA301-M208C-P
3	M30×1.5	18	350 bar	14	LA301-M211C	LA301-M211C-P

Lmin\*: Minimum thread length

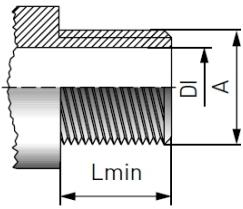


Whitworth tube thread to DIN ISO 228-1 - acc.

Body size	Thread A (external thread)	DI max.	Lmin* (mm)	Series	Part No.Connector	Part No. Plug
1	G 1/8"	5.0	20 bar	12	LA301-G100	LA301-G100P
1	G 1/4"	6.0	20 bar	12	LA301-G101	LA301-G101P
1	G 3/8"	9.0	20 bar	12	LA301-G102	LA301-G102P
2	G 1/2"	14.5	20 bar	12	LA301-G103	LA301-G103P
3	G 3/4"	18.0	20 bar	12	LA301-G105	LA301-G105P
3	G 1"	18.0	20 bar	15	LA301-G106	LA301-G106P

Lmin\*: Minimum thread length

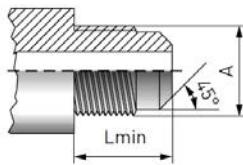
# LA301 Type



NPT thread  
(ANSI/ASME B1.20.1-1983)

Body size	Thread A (external thread)	DI max.	Max. Operating Pressure	Lmin* (mm)	Part No. Connector	Part No. Plug
1	NPT 1/8"	5.0	350 bar	9.7	LA301-N100	LA301-N100P
1	NPT 1/4"	7.0	350 bar	14.0	LA301-N101	LA301-N101P
1	NPT 3/8"	10.5	350 bar	14.0	LA301-N102	LA301-N102P
2	NPT 1/2"	14.0	350 bar	19.0	LA301-N103	LA301-N103P
3	NPT 3/4"	18.0	350 bar	19.0	LA301-N105	LA301-N105P
3	NPT 1"	24.0	350 bar	20.5	LA301-N106	LA301-N106P

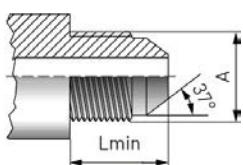
Lmin\*: Minimum thread length



SAE (45° cone), SAE J513

Body size	Thread A (external thread)	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	UNF 5/16"-24	11.0	350 bar	LA301-S0100A	LA301-S0100A-P
1	UNF 3/8"-24	11.2	350 bar	LA301-S100A	LA301-S100A-P
1	UNF 7/16"-20	12.7	350 bar	LA301-S101A	LA301-S101A-P
1	UNF 1/2"-20"	14.2	350 bar	LA301-S102A	LA301-S102A-P
1	UNF 5/8"-18	15.7	350 bar	LA301-S0104A	LA301-S0104A-P
2	UNF 11/16"-16	17.5	350 bar	LA301-S104A	LA301-S104A-P
2	UNF 3/4"-16	19.0	350 bar	LA301-S105A	LA301-S105A-P
2	UNF 7/8"-14	22.4	350 bar	LA301-S106A	LA301-S106A-P
3	UNF 1 1/16"-12	25.4	350 bar	LA301-S107A	LA301-S107A-P

Lmin\*: Minimum thread length



SAE J514 JIC 37°

Body size	Thread A (external thread)	Lmin* (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	UNF 5/16"-24	11.4	350 bar	LA301-S0100B	LA301-S0100B-P
1	UNF 3/8"-24	12.2	350 bar	LA301-S100B	LA301-S100B-P
1	UNF 7/16"-20	14.0	350 bar	LA301-S101B	LA301-S101B-P
1	UNF 1/2"-20	14.0	350 bar	LA301-S102B	LA301-S102B-P
1	UNF 9/16"-18	14.1	350 bar	LA301-S103B	LA301-S103B-P
2	UNF 3/4"-16	16.7	350 bar	LA301-S105B	LA301-S105B-P
2	UNF 7/8"-14	19.3	350 bar	LA301-S106B	LA301-S106B-P
3	UNF 1 1/16"-12	21.9	350 bar	LA301-S107B	LA301-S107B-P

Lmin\*: Minimum thread length



The LA302 Quick Connector is especially designed for sealing hydraulic components with internal 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 LA302 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.

Special applications: Longer or shorter Quick Connector is available; it can also be supplied as a plug.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to max. 350 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5 °C ~ +80°C

【Material】 Corrosion resistant stainless steel, anodized aluminium. Other designs on request.

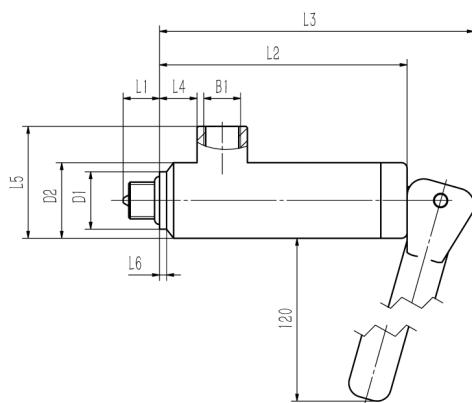
【Sealing material】 NBR

【Example of use】 Insert the front end of the quick connector into the thread of the part to be tested;

Turn the handle and the quick connector is connected.



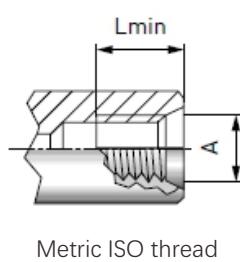
## ORDERING: approx. Dimensions(mm)



Body size	Inlet B1 (internal thread)	D1	D1*	D2	D2*	L1	L2	L3	L4	L5	L6	L6*
2	G 1/4"	19.0	20.5	27.0	27.0	13.0	88.5	118.0	9.0	40.0	2.5	4.7
3	G 3/8"	23.0	25.9	32.0	32.0	16.0	101.5	131.0	9.5	50.0	2.0	4.0
4	G 1/2"	27.0	28.9	37.0	37.0	17.0	101.5	131.0	8.0	55.0	2.8	4.0
5	G 3/4"	33.0	40.5	40.0	45.0	19.5	117.0	146.0	8.0	69.0	3.0	8.0
6	G 1"	40.0	46.5	49.0	49.0	17.0	140.0	170.0	18.0	74.0	3.0	8.0

\* applies to ISO 6179 and SAE J1926

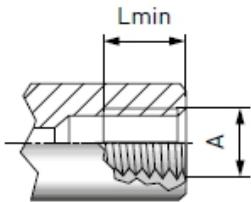
## LA302 Type Connector Part-numbers



Body size	Thread A (internal thread)	Lmin*(mm)	Part No. Connector	Part No. Plug
2	M12×1.5	9.5	LA302-M201	LA302-M201P
2	M14×1.5	9.5	LA302-M202	LA302-M202P
3	M16×1.5	10.5	LA302-M203	LA302-M203P
3	M18×1.5	10.5	LA302-M204	LA302-M204P
4	M20×1.5	10.5	LA302-M205	LA302-M205P
4	M22×1.5	10.5	LA302-M206	LA302-M206P
5	M24×1.5	11.0	LA302-M207	LA302-M207P
5	M26×1.5	11.0	LA302-M208	LA302-M208P
5	M27×2.0	11.0	LA302-M209-02	LA302-M209-02P
6	M30×1.5	12.5	LA302-M211	LA302-M211P

Lmin\*: Minimum thread length

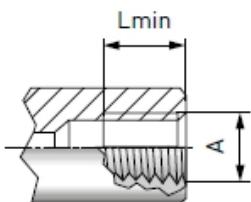
# LANGAN® Quick connectors



Whitworth tube thread  
to DIN ISO 228-1 - acc.

Body size	Thread A (internal thread)	Lmin*(mm)	Part No.Connector	Part No. Plug
2	G 1/4"	9.5	LA302-G101	LA302-G101P
3	G 3/8"	10.5	LA302-G102	LA302-G102P
4	G 1/2"	10.5	LA302-G103	LA302-G103P
4	G 5/8"	10.5	LA302-G104	LA302-G104P
5	G 3/4"	11.0	LA302-G105	LA302-G105P
6	G 1"	12.5	LA302-G106	LA302-G106P

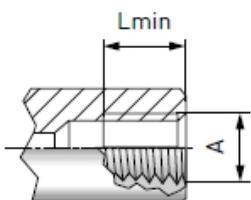
Lmin\*: Minimum thread length



BSPT (tapered  
Whitworth tube thread)

Body size	Thread A (internal thread)	Lmin*(mm)	Part No.Connector	Part No. Plug
2	BSPT 1/4"	9.5	LA302-B101	LA302-B101P
3	BSPT 3/8"	10.5	LA302-B102	LA302-B102P
4	BSPT 1/2"	10.5	LA302-B103	LA302-B103P
4	BSPT 5/8"	10.5	LA302-B104	LA302-B104P
5	BSPT 3/4"	11.0	LA302-B105	LA302-B105P
6	BSPT 1"	12.5	LA302-B106	LA302-B106P

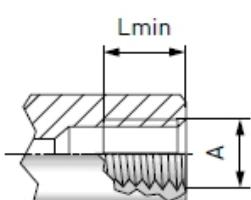
Lmin\*: Minimum thread length



NPT thread  
(ANSI/ASME B1.20.1-1983)

Body size	Thread A (internal thread)	Lmin*(mm)	Part No.Connector	Part No. Plug
2	NPT 1/4"	9.5	LA302-N101	LA302-N101P
3	NPT 3/8"	10.5	LA302-N102	LA302-N102P
4	NPT 1/2"	10.5	LA302-N103	LA302-N103P
4	NPT 5/8"	10.5	LA302-N104	LA302-N104P
5	NPT 3/4"	11.0	LA302-N105	LA302-N105P
6	NPT 1"	12.5	LA302-N106	LA302-N106P

Lmin\*: Minimum thread length



SAE-O-Ring Boss - acc.

Body size	Thread A (internal thread)	Lmin*(mm)	Part No.Connector	Part No. Plug
2	UNF 1/2"-20	9.5	LA302-S102	LA302-S102P
2	UNF 9/16"-18	9.5	LA302-S103	LA302-S103P
3	UNF 3/4"-16	10.5	LA302-S105	LA302-S105P
4	UNF 7/8"-14	10.5	LA302-S106	LA302-S106P
5	UNF 1 1/16"-12	11.0	LA302-S107	LA302-S107P
6	UNF 1 3/16"-12	11.0	LA302-S108	LA302-S108P
6	UNF 1 5/16"-12	11.0	LA302-S109	LA302-S109P

Lmin\*: Minimum thread length



The LA600 Quick Connector is ideal for pressure and function testing of components with a bead, rim, collar, flange, stub or external thread. In the automotive industry the LA600 is also used for testing of fuel connections, connections for cold and hot water and other supply lines as well as refrigeration and air conditioning components. By using high quality stainless steel the connectors meet the stringent requirements of industrial testing. In engine fuel line test applications, the quick connector can have a built-in check valve.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to max. 50 bar, Other designs on request

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

【Medium】 Oil free air or gaseous media (please indicate when ordering)

【Material】 Corrosion resistant stainless steel

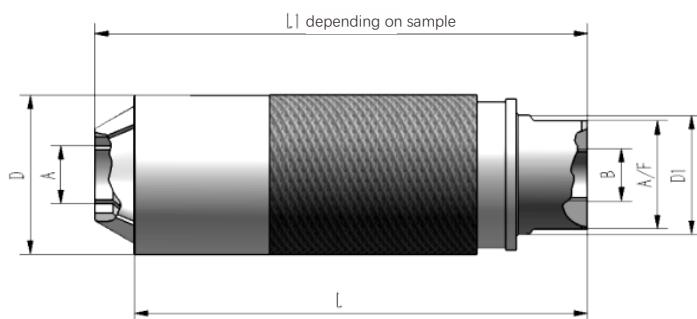
【Sealing material】 NBR, other designs on request

【Example of use】 Hold the sliding sleeve of the quick connector with your hand and align it with the test tube;

Push the sliding sleeve forward until the end; The LA600 quick connector is connected.



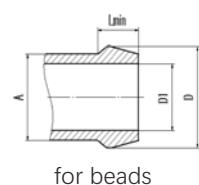
## ORDERING: approx. Dimensions(mm)



Body size	A*	B	D	D1	L	A/F
1	6.0 - 8.0	G1/8"	20.0	13.9	77.2	12.4
2	8.1 - 10.9	G1/8"	24.0	16.9	77.2	15.4
3	11.0 - 14.9	G1/4"	31.0	23.0	75.4	21.0
4	15.0 - 19.9	G3/8"	36.0	27.0	76.9	25.0
5	20.0 - 24.9	G1/2"	43.0	34.0	78.3	32.0
6	25.0 - 29.9	G3/4"	48.0	37.9	89.7	35.9
7	30.0 - 35.9	G3/4"	55.0	42.8	95.0	39.9
8	36.0 - 39.9	G3/4"	60.0	40.0	90.0	36.0
9	40.0 - 46.9	G1"	70.0	46.0	90.0	41.0
10	47.0 - 52.0	G1 1/4"	75.0	55.0	119.0	50.0

\* Refers to the clamping diameter, Other body sizes on request

## LA600 Type Connector Part-numbers



for beads

Part number	Body size	Tube ΦA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

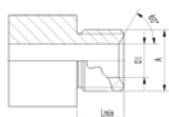
Lmin\*: Minimum thread length



for barbs

Part number	Body size	Tube ΦA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

Lmin\*: Minimum thread length

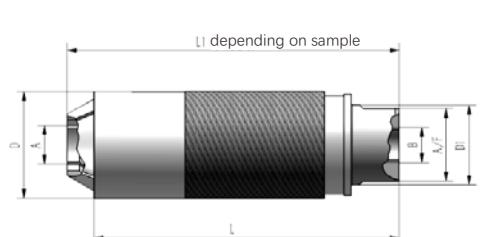


for threads

Part number	Body size	Tube ΦA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

Lmin\*: Minimum thread length

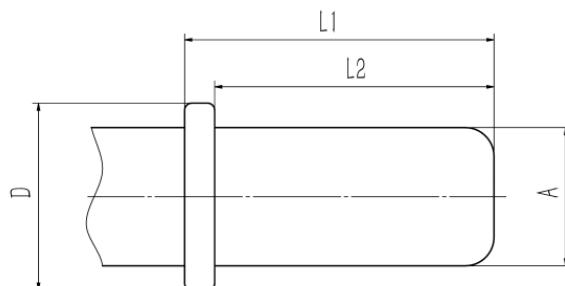
## Special Quick Connector for Fuel Line



Body size	A*	B	D	D1	L	A/F
1	6.3	G 1/8"	22.0	16.2	81.1	14.2
2	7.89	G 1/8"	24.0	17.8	81.1	15.8
3	9.6	G 1/8"	26.0	19.8	81.1	17.8
4	11.8	G 1/4"	29.5	22.0	84.0	20.0
5	12.6	G 1/4"	29.5	22.0	84.0	20.0
6	15.9	G 1/4"	32.0	23.3	80.3	20.0
7	22.3	G 1/2"	44.0	35.1	83.3	30.3

\* Refers to the clamping diameter, Other body sizes on request

## Special Quick Connector for Fuel Line



Body size	Tube $\Phi A$ (mm)	$\Phi D^*$ (mm)	L1 (mm)	L2 (mm)	Max. Operating Pressure	Part No. Connector	Part No. Plug
1	6.3	8.7	21.5	19.5	10 bar	LA600-DY0630-022	LA600-DY0630-022P
2	7.89	11.1	21.5	19.5	10 bar	LA600-DY0789-024	LA600-DY0789-024P
3	9.6	13.0	21.6	19.5	10 bar	LA600-DY0960-026	LA600-DY0960-026P
4	11.8	16.5	26.7	24.2	10 bar	LA600-DY1180-029	LA600-DY1180-029P
5	12.6	16.5	26.7	24.2	10 bar	LA600-DY1260-029	LA600-DY1260-029P
6	15.9	19.2	26.7	24.0	10 bar	LA600-DY1590-032	LA600-DY1590-032P
7	22.3	28.3	19.0	12.2	10 bar	LA600-DY2230-044	LA600-DY2230-044P

\*\*Nominal bore tolerance + 0.2

# LANGAN® Quick connectors



The LA650 Quick Connector is ideal for high pressure and function testing of components with a bead, rim, collar, flange, stub or external thread. In the automotive industry the LA650 is also used for testing of fuel connections, connections for cold and hot water and other supply lines. By using high quality stainless steel, the connectors meet the stringent requirements of industrial testing.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to max. 350 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C, other designs on request

【Medium】 Oil、Air&Water

【Material】 Corrosion resistant stainless steel

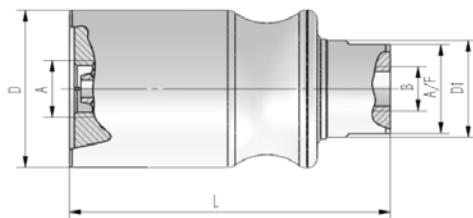
【Sealing material】 NBR, other designs on request

【Example of use】 Hold the sliding sleeve of the quick connector with your hand and align it with the test tube;

Push the sliding sleeve forward until the end.



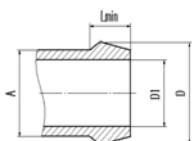
## ORDERING: approx. Dimensions(mm)



Body size	A*	B	D	D1	L	A/F
1	M14	G 1/8"	36	22	75	19
2	M20	G 3/8"	41	27	80	24
3	M24	G 3/8"	46	30	80	27

\* Refers to the clamping diameter, Other body sizes on request

## LA650 Type Connector Part-numbers



for beads

Part number	Body size	Tube φA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

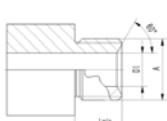
Lmin\*: Minimum thread length



for barbs

Part number	Body size	Tube φA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

Lmin\*: Minimum thread length



for threads

Part number	Body size	Tube φA (mm)	ΦD1(mm)	ΦD(mm)	Lmin* (mm)	Max. Operating Pressure
on request	on request	on request	on request	on request	on request	on request

Lmin\*: Minimum thread length



The LA-FE Quick Connector reliably and quickly seals tubes, hoses and externally threaded components. Fitted with elastomer seals, the LA-FE is ideal for sealing out of round and rough surfaces and clearing large tolerances on the test piece. Because of the pneumatic actuation, the connector is particularly well suited for automation of test procedures.

The connector does not exert axial force and lateral force on the test piece. Special versions, e.g. twin connectors for sealing ports in close proximity to each other (see Figure 1, special solutions), and for sealing rubber and other material hoses (see Figure 2) are available on request.

## Technical data

### 【Operating pressure PS】

port B: Vacuum up to Max. 35 bar, other designs on request Note: For pressurized applications the LA-FE must be secured by a fixturing device. On vacuum applications the LA-FE does not need to be secured. For threaded applications or operating pressures above 10 bar we recommend urethane seals. The pilot pressure must be increased accordingly, e.g. using a pilot pressure booster.

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

【Material】 Housing, piston and seal housing: Aluminium

### 【Sealing material】

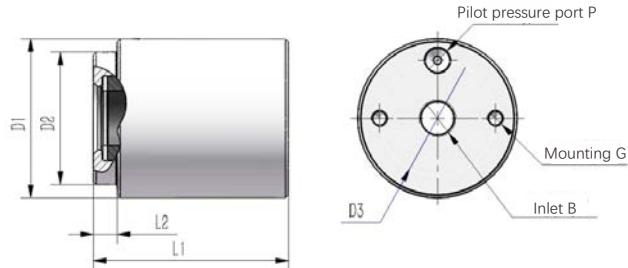
NBR, Urethane seals for high-wear applications are optional, for threaded applications as standard.

### 【Example of use】

Secure the quick connector with a fixing clamp, insert the test piece into the LA-FE quick connector, and connect the quick connector with the pilot air supply; Apply test air; Always release the test pressure before disconnecting; remove the quick connector after releasing the control pressure.



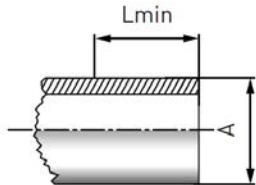
## ORDERING: approx. Dimensions(mm)



Body size	Inlet B	Pilot pressure port P	Mounting G	D1	D2	D3	L1	L2
001*	G 1/8"	M5	M3	21.3	---	16.0	43.7	---
01	G 1/8"	M5	M5	37.8	32.5	27.9	52.1	8.9
1	G 1/4"	G 1/8"	M6	56.4	46.9	41.1	69.1	8.5
2	G 1/2"	G 1/8"	M6	79.0	68.8	63.5	88.9	14.4
3	G 1"	G 1/8"	M6	107.4	91.0	82.5	113.8	29.5
4	G 1 1/2"	G 1/8"	M6	139.2	122.0	108.0	116.8	27.7
5	G 2"	G 1/8"	M10	177.3	161.8	139.7	116.8	35.1
6	G 2 1/2"	G 1/8"	M10	190.0	174.5	155.4	126.2	35.1

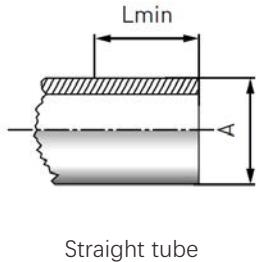
\* for body size 001, 'P' is located on the diameter of the connector instead of on the face

## LA-FE Type Connector Part-numbers



Straight tube

Body size	Sealing range A(mm)	Lmin*(mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
001	0.80-1.30	4.0	LA-FE001-0050	LA-FE001-0050P	1	LA-FE001-0050-02
001	1.30-1.80	4.0	LA-FE001-001	LA-FE001-001P	1	LA-FE001-001-02
001	1.80-2.30	4.0	LA-FE001-002	LA-FE001-002P	1	LA-FE001-002-02
001	2.30-2.80	4.0	LA-FE001-003	LA-FE001-003P	1	LA-FE001-003-02
001	2.80-3.30	4.0	LA-FE001-004	LA-FE001-004P	1	LA-FE001-004-02
01	2.50-3.50	14.7	LA-FE01-01	LA-FE01-01P	1	LA-FE01-01-02
01	3.50-4.50	14.7	LA-FE01-02	LA-FE01-02P	1	LA-FE01-02-02
01	4.50-5.50	14.7	LA-FE01-03	LA-FE01-03P	1	LA-FE01-03-02
01	5.50-6.50	14.7	LA-FE01-04	LA-FE01-04P	1	LA-FE01-04-02
01	6.50-7.50	14.7	LA-FE01-05	LA-FE01-05P	1	LA-FE01-05-02
01	7.50-8.50	14.7	LA-FE01-06	LA-FE01-06P	1	LA-FE01-06-02
01	8.50-9.50	14.7	LA-FE01-07	LA-FE01-07P	1	LA-FE01-07-02
01	9.50-10.50	14.7	LA-FE01-08	LA-FE01-08P	1	LA-FE01-08-02
01	10.50-11.50	14.7	LA-FE01-09	LA-FE01-09P	1	LA-FE01-09-02
1	11.0-12.0	15.5	LA-FE1-11	LA-FE1-11P	1	LA-FE1-11-02
1	12.0-13.0	15.5	LA-FE1-12	LA-FE1-12P	1	LA-FE1-12-02
1	13.0-14.0	15.5	LA-FE1-13	LA-FE1-13P	1	LA-FE1-13-02
1	14.0-15.0	15.5	LA-FE1-14	LA-FE1-14P	1	LA-FE1-14-02
1	15.0-16.0	15.5	LA-FE1-15	LA-FE1-15P	1	LA-FE1-15-02
1	16.0-17.0	15.5	LA-FE1-16	LA-FE1-16P	1	LA-FE1-16-02
1	17.0-18.0	15.5	LA-FE1-17	LA-FE1-17P	1	LA-FE1-17-02
1	18.0-19.0	15.5	LA-FE1-18	LA-FE1-18P	1	LA-FE1-18-02
1	19.0-20.0	15.5	LA-FE1-19	LA-FE1-19P	1	LA-FE1-19-02
2	20.0-22.0	26.9	LA-FE2-21	LA-FE2-21P	1	LA-FE2-21-02
2	22.0-24.0	26.9	LA-FE2-22	LA-FE2-22P	1	LA-FE2-22-02
2	24.0-26.0	26.9	LA-FE2-23	LA-FE2-23P	1	LA-FE2-23-02
2	26.0-28.0	26.9	LA-FE2-24	LA-FE2-24P	1	LA-FE2-24-02
2	28.0-30.0	26.9	LA-FE2-25	LA-FE2-25P	1	LA-FE2-25-02
2	30.0-32.0	26.9	LA-FE2-26	LA-FE2-26P	1	LA-FE2-26-02
2	32.0-34.0	26.9	LA-FE2-27	LA-FE2-27P	1	LA-FE2-27-02
2	34.0-36.0	26.9	LA-FE2-28	LA-FE2-28P	1	LA-FE2-28-02
2	36.0-38.0	26.9	LA-FE2-29	LA-FE2-29P	1	LA-FE2-29-02
3	38.0-40.0	41.7	LA-FE3-31	LA-FE3-31P	1	LA-FE3-31-02
3	40.0-42.0	41.7	LA-FE3-32	LA-FE3-32P	1	LA-FE3-32-02
3	42.0-44.0	41.7	LA-FE3-33	LA-FE3-33P	1	LA-FE3-33-02
3	44.0-46.0	41.7	LA-FE3-34	LA-FE3-34P	1	LA-FE3-34-02
3	46.0-48.0	41.7	LA-FE3-35	LA-FE3-35P	1	LA-FE3-35-02
3	48.0-50.0	41.7	LA-FE3-36	LA-FE3-36P	1	LA-FE3-36-02



Straight tube

Body size	Sealing range A(mm)	Lmin*(mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
4	50.0-52.0	41.7	LA-FE4-41	LA-FE4-41P	1	LA-FE4-41-02
4	52.0-54.0	41.7	LA-FE4-42	LA-FE4-42P	1	LA-FE4-42-02
4	54.0-56.0	41.7	LA-FE4-43	LA-FE4-43P	1	LA-FE4-43-02
4	56.0-58.0	41.7	LA-FE4-44	LA-FE4-44P	1	LA-FE4-44-02
4	58.0-60.0	41.7	LA-FE4-45	LA-FE4-45P	1	LA-FE4-45-02
4	60.0-62.0	41.7	LA-FE4-46	LA-FE4-46P	1	LA-FE4-46-02
4	62.0-64.0	41.7	LA-FE4-47	LA-FE4-47P	1	LA-FE4-47-02
4	64.0-66.0	41.7	LA-FE4-48	LA-FE4-48P	1	LA-FE4-48-02
5	66.0-68.0	41.7	LA-FE4-49	LA-FE4-49P	1	LA-FE4-49-02
5	68.0-70.0	41.7	LA-FE5-51	LA-FE5-51P	1	LA-FE5-51-02
5	70.0-72.0	41.7	LA-FE5-52	LA-FE5-52P	1	LA-FE5-52-02
5	72.0-74.0	41.7	LA-FE5-53	LA-FE5-53P	1	LA-FE5-53-02
5	74.0-76.0	41.7	LA-FE5-54	LA-FE5-54P	1	LA-FE5-54-02
5	76.0-78.0	41.7	LA-FE5-55	LA-FE5-55P	1	LA-FE5-55-02

\*Lmin:minimum thread length. Other connection sizes on request.

## LA-FE Quick Connector in Special Type

The following are several special types of LA-FE quick connectors. If the standard model does not meet your requirements, we will provide you with an exclusive solution. Welcome to consult.



Figures 1 is a quick connector for pressure and flow testing straight tubes that are very close to each other. Figure



Figures 2 is a quick connector for sealing rubber and other material hoses.



# LANGAN® Quick connectors



The LA-FI Quick Connector reliably and quickly seals inside bores, irregular or rough holes and internally threaded components. Fitted with elastomer seals ideal for sealing out of round and rough surfaces and clearing large tolerances on the test piece. Because of the pneumatic actuation, the connector is particularly well suited for automation of test procedures; The connector relies on the frictional force between the seal and the surface of the test piece, so that the contact surface cannot be exposed to water or other lubricating substances. The connector does not exert axial force and lateral force on the test piece. Special versions, e.g. twin connectors for sealing ports in close proximity to each other are available on request (see Figure 1, special solutions). Shaft extensions for LA-FI connectors are also available (see Figure 2, special solutions).

## Technical data

### 【Operating pressure PS】

port B: Vacuum up to Max. 9 bar, other designs on request Note: For pressurized applications the LA-FI must be secured by a fixturing device. On vacuum applications

the LA-FI does not need to be secured.

### 【Leak rate】 $10^{-3}$ mbar·l/s ( $10^{-4}$ Pa·m<sup>3</sup>/s)

### 【Temperature range】 +5°C ~ +80°C

### 【Material】 Housing, piston and spacer: Aluminium

### 【Sealing material】

NBR, Urethane seals for high-wear applications are optional, for threaded applications as standard

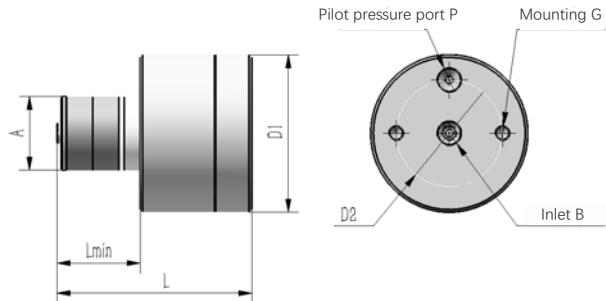
### 【Pilot pressure】 port P: 4-12 bar compressed air

### 【Example of use】

Secure the quick connector with a fixing clamp, insert the LA-FI quick connector into the test piece, and connect the quick connector with the pilot air supply; Apply test air; Always release the test pressure before disconnecting; remove the quick connector after releasing the control pressure

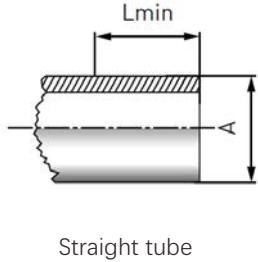


## ORDERING: approx. Dimensions(mm)



Body size	Inlet B	Pilot pressure port P	Mounting G	D1	D2	D3	L1	L2
01	M5	M5	M5	31.8	20.2	55.1	22	01
1	G 1/8"	G 1/8"	M6	40.0	26.0	70.5	27.7	1
2	G 1/8"	G 1/8"	M6	40.0	26.0	66.3	23.5	2
3	G 1/8"	G 1/8"	M6	60.0	40.6	74.4	39.8	3
4	G 1/8"	G 1/8"	M6	60.0	40.6	71.3	36.7	4
5	G 1/2"	G 1/8"	M6	88.6	60.0	106.2	59.5	5
6	G 1/2"	G 1/8"	M6	88.6	60.0	100.7	54.0	6
7	G 3/4"	G 1/8"	M6	106.8	76.2	94.0	57.3	7
8	G 3/4"	G 1/8"	M6	106.8	76.2	94.0	57.3	8

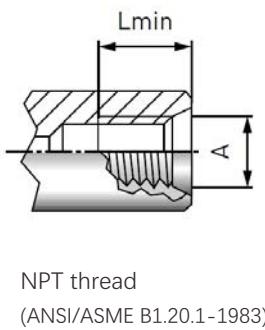
## LA-FI Type Connector Part-numbers



Straight tube

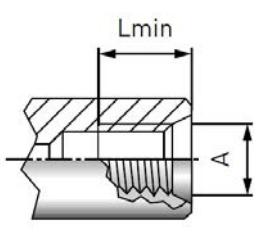
Body size	Sealing range A(mm)	Lmin* (mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
01	7.7-8.6	13.4	LA-FI01-0300	LA-FI01-0300P	1	LA-FI01-0300-02
01	8.7-10.0	13.4	LA-FI01-01	LA-FI01-01P	1	LA-FI01-01-02
1	10.0-11.0	15.0	LA-FI1-11	LA-FI1-11P	1	LA-FI1-11-02
1	11.0-12.0	15.0	LA-FI1-12	LA-FI1-12P	1	LA-FI1-12-02
1	12.0-13.0	15.0	LA-FI1-13	LA-FI1-13P	1	LA-FI1-13-02
1	13.0-14.0	15.0	LA-FI1-14	LA-FI1-14P	1	LA-FI1-14-02
1	14.0-15.0	15.0	LA-FI1-15	LA-FI1-15P	1	LA-FI1-15-02
1	15.0-16.0	15.0	LA-FI1-16	LA-FI1-16P	1	LA-FI1-16-02
2	16.0-17.0	15.0	LA-FI2-21	LA-FI2-21P	1	LA-FI2-21-02
2	17.0-18.0	15.0	LA-FI2-22	LA-FI2-22P	1	LA-FI2-22-02
2	18.0-19.0	15.0	LA-FI2-23	LA-FI2-23P	1	LA-FI2-23-02
2	19.0-20.0	15.0	LA-FI2-24	LA-FI2-24P	1	LA-FI2-24-02
2	20.0-21.0	15.0	LA-FI2-25	LA-FI2-25P	1	LA-FI2-25-02
2	21.0-22.0	15.0	LA-FI2-26	LA-FI2-26P	1	LA-FI2-26-02
3	22.0-23.5	27.8	LA-FI3-31	LA-FI3-31P	2	LA-FI3-31-02
3	23.5-25.0	27.8	LA-FI3-32	LA-FI3-32P	2	LA-FI3-32-02
3	25.0-26.5	27.8	LA-FI3-33	LA-FI3-33P	2	LA-FI3-33-02
3	26.5-28.0	27.8	LA-FI3-34	LA-FI3-34P	2	LA-FI3-34-02
4	28.0-30.0	27.8	LA-FI4-41	LA-FI4-41P	2	LA-FI4-41-02
4	30.0-32.0	27.8	LA-FI4-42	LA-FI4-42P	2	LA-FI4-42-02
4	32.0-34.0	27.8	LA-FI4-43	LA-FI4-43P	2	LA-FI4-43-02
4	34.0-36.0	40.9	LA-FI4-44	LA-FI4-44P	2	LA-FI4-44-02
5	36.0-38.0	40.9	LA-FI5-51	LA-FI5-51P	3	LA-FI5-51-02
5	38.0-40.0	40.9	LA-FI5-52	LA-FI5-52P	3	LA-FI5-52-02
5	40.0-42.0	40.9	LA-FI5-53	LA-FI5-53P	3	LA-FI5-53-02
5	42.0-44.0	40.9	LA-FI5-54	LA-FI5-54P	3	LA-FI5-54-02
6	44.0-46.0	40.9	LA-FI6-61	LA-FI6-61P	3	LA-FI6-61-02
6	46.0-48.0	40.9	LA-FI6-62	LA-FI6-62P	3	LA-FI6-62-02
6	48.0-50.0	40.9	LA-FI6-63	LA-FI6-63P	3	LA-FI6-63-02
6	50.0-52.0	40.9	LA-FI6-64	LA-FI6-64P	3	LA-FI6-64-02
6	52.0-56.0	40.9	LA-FI6-65	LA-FI6-65P	3	LA-FI6-65-02
7	56.0-59.0	41.4	LA-FI7-71	LA-FI7-71P	3	LA-FI7-71-02
7	59.0-62.0	41.4	LA-FI7-72	LA-FI7-72P	3	LA-FI7-72-02
7	62.0-65.0	41.4	LA-FI7-73	LA-FI7-73P	3	LA-FI7-73-02
8	65.0-69.0	41.4	LA-FI8-81	LA-FI8-81P	3	LA-FI8-81-02
8	69.0-72.0	41.4	LA-FI8-82	LA-FI8-82P	3	LA-FI8-82-02
8	72.0-75.0	41.4	LA-FI8-83	LA-FI8-83P	3	LA-FI8-83-02
8	75.0-78.0	41.4	LA-FI8-84	LA-FI8-84P	3	LA-FI8-84-02

\*Lmin: minimum thread length. Other connection sizes on request.



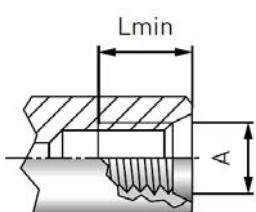
Body size	Thread A (internal thread)	Lmin* (mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
01	NPT 1/8"	12.2	LA-FI01-1/8P NPT	LA-FI01-1/8P NPT	1	LA-FI01-1/8 NPT
1	NPT 1/4"	14.5	LA-FI1-1/4 NPT	LA-FI1-1/4P NPT	1	LA-FI1-1/4 NPT
2	NPT 3/8"	14.5	LA-FI2-3/8 NPT	LA-FI2-3/8P NPT	1	LA-FI2-3/8 NPT
2	NPT 1/2"	14.5	LA-FI2-1/2 NPT	LA-FI2-1/2P NPT	1	LA-FI2-1/2 NPT
3	NPT 3/4"	18.4	LA-FI3-3/4 NPT	LA-FI3-3/4P NPT	2	LA-FI3-3/4 NPT
4	NPT 1"	18.4	LA-FI4-1 NPT	LA-FI4-1P NPT	2	LA-FI4-1 NPT
5	NPT 1 1/4"	31.5	LA-FI5-1 1/4 NPT	LA-FI5-1 1/4P NPT	3	LA-FI5-1 1/4 NPT
6	NPT 1 1/2"	31.5	LA-FI6-1 1/2 NPT	LA-FI6-1 1/2P NPT	3	LA-FI6-1 1/2 NPT

\*Lmin: minimum thread length. Other connection sizes on request.



Body size	Thread A (internal thread)	Lmin* (mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
01	M10×1.0	12.2	LA-FI01-M10	LA-FI01-M10P	1	LA-FI01-M10-02
1	M12×1.5	14.5	LA-FI1-M12	LA-FI1-M12P	1	LA-FI1-M12-02
1	M14×1.5	14.5	LA-FI1-M14	LA-FI1-M14P	1	LA-FI1-M14-02
1	M16×1.5	14.5	LA-FI1-M16	LA-FI1-M16P	1	LA-FI1-M16-02
2	M18×1.5	14.5	LA-FI2-M18	LA-FI2-M18P	1	LA-FI2-M18-02
2	M20×1.5	14.5	LA-FI2-M20	LA-FI2-M20P	1	LA-FI2-M20-02
2	M22×1.5	14.5	LA-FI2-M22	LA-FI2-M22P	1	LA-FI2-M22-02
3	M24×1.5	18.4	LA-FI3-M24	LA-FI3-M24P	2	LA-FI3-M24-02
3	M26×1.5	18.4	LA-FI3-M26	LA-FI3-M26P	2	LA-FI3-M26-02
3	M27×2.0	18.4	LA-FI3-M27	LA-FI3-M27P	2	LA-FI3-M27-02
3	M28×1.5	18.4	LA-FI3-M28	LA-FI3-M28P	2	LA-FI3-M28-02
4	M30×1.5	18.4	LA-FI4-M30	LA-FI4-M30P	2	LA-FI4-M30-02
4	M33×2.0	18.4	LA-FI4-M33	LA-FI4-M33P	2	LA-FI4-M33-02
4	M36×2.0	18.4	LA-FI4-M36	LA-FI4-M36P	2	LA-FI4-M36-02
5	M42×2.0	31.5	LA-FI5-M42	LA-FI5-M42P	3	LA-FI5-M42-02
6	M48×2.0	31.5	LA-FI6-M48	LA-FI6-M48P	3	LA-FI6-M48-02
7	M60×2.0	**	LA-FI7-M60	LA-FI7-M60P	3	LA-FI7-M60-02

\*Lmin: minimum thread length. Other connection sizes on request.



SAE-O-Ring Boss -  
acc. to SAE J1926 /  
ISO 11926

Body size	Thread A (internal thread)	Lmin* (mm)	Part No.	Part No. Plug	Number of seals	Part No. Replacement seals
01	UNF 7/16"-20	12.2	LA-FI01-4SAE	LA-FI01-4PSAE	1	LA-FI01-4-02SAE
1	UNF 1/2"-20	14.5	LA-FI1-5SAE	LA-FI1-5PSAE	1	LA-FI1-5-02SAE
1	UNF 9/16"-18	14.5	LA-FI1-6SAE	LA-FI1-6PSAE	1	LA-FI1-6-02SAE
2	UNF 3/4"-16	14.5	LA-FI2-7SAE	LA-FI2-7PSAE	1	LA-FI2-7-02SAE
3	UNF 7/8"-14	18.4	LA-FI3-8SAE	LA-FI3-8PSAE	2	LA-FI3-8-02SAE
3	UNF 1 1/16"-12	18.4	LA-FI3-9SAE	LA-FI3-9PSAE	2	LA-FI3-9-02AE
4	UNF 1 3/16"-12	18.4	LA-FI4-10SAE	LA-FI4-10PSAE	2	LA-FI4-10-02SAE
4	UNF 1 5/16"-12	18.4	LA-FI4-11SAE	LA-FI4-11PSAE	2	LA-FI4-11-02SAE
5	UNF 1 5/8"-12	31.5	LA-FI5-12SAE	LA-FI5-12PSAE	3	LA-FI5-12-02SAE
6	UNF 1 7/8"-12	31.5	LA-FI6-13SAE	LA-FI6-13PSAE	3	LA-FI6-13-02SAE
7	UNF 2 1/2"-12	**	LA-FI7-14SAE	LA-FI7-14PSAE	3	LA-FI7-14-02SAE

\*Lmin: minimum thread length. Other connection sizes on request.

## LA-FI Quick Connector in Special Type

The following are several special types of LA-FI quick connectors. If the standard product does not meet your requirements, we will provide you with an exclusive solution. Welcome to consult.

Figures 1 and 2 are connectors for pressure testing bores that are very close to each other.

Figure 3 is a shaft extension quick connector used to seal the surface of the standard connector cannot reach.



Figures 1



Figures 2



Figures 3



The LA800 Quick Connector enables quick and easy leak testing of straight tubes; The connector is suitable for underwater, pressure decay and vacuum testing with helium. The LA800 has a built-in safety device that prevents it from suddenly disconnecting under pressure. The internal sealing structure ensures its durability and high leak test performance.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to Max 70 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

【Material】 Clamping jaws: Corrosion-resistant stainless steel Housing: Anodized aluminium

【Material hardness of test piece】 Max. hardness 28 HRC, Connection to copper tubes.

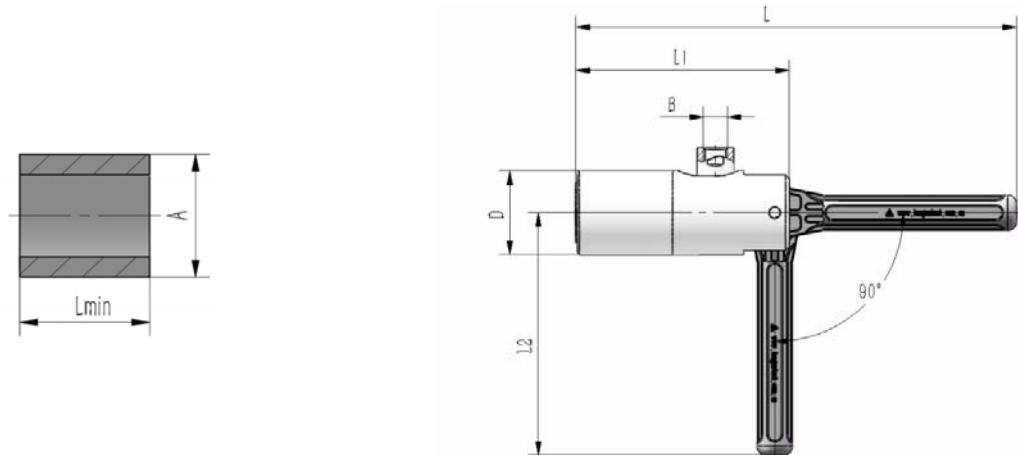
【Sealing material】 NBR, other designs on request

【Example of use】 Insert the test piece into the LA800 Quick Connector

Turn the handle of the quick connector for 90°, the quick connector is connected



## ORDERING: approx. Dimensions(mm)



## LA800 Type Connector Part-numbers

Body size	Sealing range $A \pm 0.25^*$	B	D	L	L1	L2	Lmin**	Part No.	Part No. Plug
1	3.2(1/8")	G1/8"	29	241.5	117	132.5	21.5	LA800-D00320	LA800-D00320P
1	4.0	G1/8"	29	241.5	117	132.5	21.5	LA800-D00400	LA800-D00400P
1	4.75(3/16")	G1/8"	29	241.5	117	132.5	21.5	LA800-D00475	LA800-D00475P
1	6.0	G1/8"	29	241.5	117	132.5	21.5	LA800-D00600	LA800-D00600P
1	6.35(1/4")	G1/8"	29	241.5	117	132.5	21.5	LA800-D00635	LA800-D00635P
1	7.9(5/16")	G1/8"	29	241.5	117	132.5	21.5	LA800-D00790	LA800-D00790P
1	9.5(3/8")	G1/8"	29	241.5	117	132.5	21.5	LA800-D00950	LA800-D00950P
1	10.0	G1/8"	29	241.5	117	132.5	21.5	LA800-D01020	LA800-D01020P
1	11.1(7/16")	G1/8"	29	241.5	117	132.5	21.5	LA800-D01110	LA800-D01110P
1	12.0	G1/8"	29	241.5	117	132.5	21.5	LA800-D01200	LA800-D01200P
2	12.7(1/2")	G1/4"	42	241.5	117	132.5	21.5	LA800-D01270	LA800-D01270P
2	15.9(5/8")	G1/4"	42	241.5	117	132.5	21.5	LA800-D01590	LA800-D01590P
2	19.05(3/4")	G1/4"	42	241.5	117	132.5	21.5	LA800-D01905	LA800-D01905P
2	22.2(7/8")	G1/4"	42	241.5	117	132.5	21.5	LA800-D02220	LA800-D02220P

\*special tolerance

\*\*Lmin: minimum thread length.

Specification might differ from listed sizes, while ordering, confirm by related drawings



The LA801 Quick Connector is suitable for underwater, pressure decay and helium testing of straight tubes and bores (internal diameter). The connector is equipped with a safety system that prevents the LA801 from being inadvertently disconnected whilst under pressure. The radial sealing system works reliably and effectively.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to Max 70 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

【Material】 Clamping jaws: Corrosion-resistant stainless steel Housing: Anodized aluminium

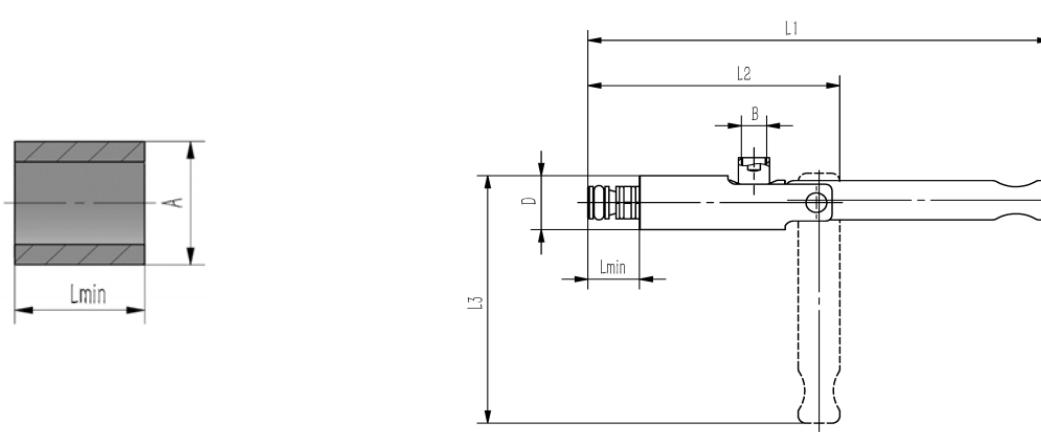
【Material hardness of test piece】 In the case that the surface roughness value of the test piece is greater than Ra0.32 and the hardness value is lower than 95HRB, the seal can be effectively performed under the rated pressure; If the hardness value of the test piece is less than 40HRB, the surface roughness value Must be greater than Ra0.16 to complete the seal; the copper pipe and other materials can be connected as required.

【Sealing material】 NBR, other designs on request

【Example of use】 Insert the test piece into the LA801 Quick Connector; Turn the handle of the quick connector for 90°, the quick connector is connected



## ORDERING: approx. Dimensions(mm)



## LA801 Type Connector Part-numbers

Body size	Sealing range A±0.25*	B	D	L	L1	L2	Lmin**	Part No.	Part No. Plug
1	9.5(3/8")	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D00950	LA801-D00950P
1	10.0	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D01000	LA801-D01000P
1	11.0(7/16")	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D01100	LA801-D01100P
1	12.0	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D01200	LA801-D01200P
1	12.7(1/2")	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D01270	LA801-D01270P
1	13.0	G1/8"	22	175.3	92.9	101.1	18.9	LA801-D01300	LA801-D01300P
2	14.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01400	LA801-D01400P
2	14.3(9/16")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01430	LA801-D01430P
2	15.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01500	LA801-D01500P
2	15.9(5/8")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01590	LA801-D01590P
2	17.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01700	LA801-D01700P
2	17.4(11/16")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01740	LA801-D01740P
2	18.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01800	LA801-D01800P
2	19.05(3/4")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D01905	LA801-D01905P
2	20.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02000	LA801-D02000P
2	20.6(13/16")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02060	LA801-D02060P
2	21.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02100	LA801-D02100P
2	22.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02200	LA801-D02200P
2	22.2(7/8")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02220	LA801-D02220P
2	23.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02300	LA801-D02300P
2	23.8(15/16")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02380	LA801-D02380P
2	24.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02400	LA801-D02400P
2	25.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02500	LA801-D02500P
2	25.4(1")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02540	LA801-D02540P
2	27.0(1-1/16")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02700	LA801-D02700P
2	28.0	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02800	LA801-D02800P
2	28.6(1-1/8")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D02860	LA801-D02860P
2	31	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D03100	LA801-D03100P
2	31.8(1-/4")	G1/8"	22	177.8	95.2	101.1	21.4	LA801-D03180	LA801-D03180P

\*special tolerance

\*\*Lmin: minimum thread length.

Specification might differ from listed sizes, while ordering, confirm by related drawings



The LA802 Quick Connector provides pressure-tight connections on straight tubes and has earned a reputation for ease of operation. The LA802 is a lever-actuated connector, which creates no lateral forces that can distort the test piece or filling port when connecting and disconnecting. LA802 is fitted with an internal safety feature which prevents the connector from being removed until a pressure lower than 5 bar is attained.

## Technical data

【Operating pressure PS】 Port B: Vacuum up to Max 100 bar

【Leak rate】  $10^{-3}$  mbar·l/s ( $10^{-4}$  Pa·m<sup>3</sup>/s)

【Temperature range】 +5°C ~ +80°C

【Material】 Clamping jaws: Corrosion-resistant stainless steel Housing: Anodized aluminium

【Material hardness of test piece】 hardness 20~28 HRC Connection to copper and other tubes

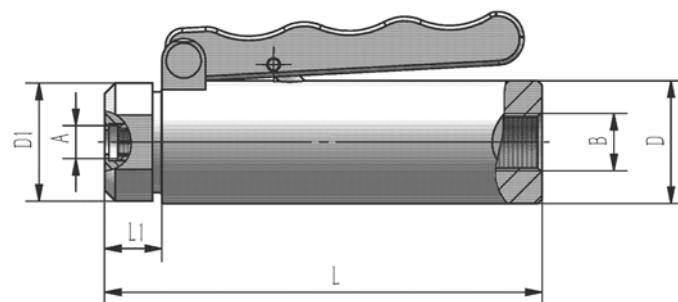
【Sealing material】 NBR, other designs on request

【Example of use】 Press the handle and insert the tube into the quick connector;

Release the handle and the quick connector is connected



## ORDERING: approx. Dimensions(mm)



## LA802 Type Connector Part-numbers

Sealing range A	Tolerance	B	D	D1	L	L1	Lmin**	Part No.	Part No. Plug
3.5	±0.2	G1/4	28		102.0	15.0	25	LA802-D0350	LA802-D0350P
4.0	±0.2	G1/4	28		102.0	15.0	25	LA802-D0400	LA802-D0400P
4.8(3/16")	±0.2	G1/4	28		102.0	15.0	25	LA802-D0480	LA802-D0480P
5.0	±0.2	G1/4	28		102.0	15.0	25	LA802-D0500	LA802-D0500P
6.0	±0.2	G1/4	28		102.0	15.0	25	LA802-D0600	LA802-D0600P
6.35(1/4")	±0.2	G1/4	28		102.0	15.0	25	LA802-D0635	LA802-D0635P
6.95	±0.2	G1/4	28		102.0	15.0	25	LA802-D0695	LA802-D0695P
7.0	±0.2	G1/4	28		102.0	15.0	25	LA802-D0700	LA802-D0700P
7.9(5/16")	±0.2	G1/4	28		102.0	15.0	25	LA802-D0790	LA802-D0790P
8.0	±0.2	G1/4	28		102.0	15.0	25	LA802-D0800	LA802-D0800P
8.15	±0.2	G1/4	28		102.0	15.0	25	LA802-D0815	LA802-D0815P
9.0	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D0900	LA802-D0900P
9.5(3/8")	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D0950	LA802-D0950P
9.6	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D0960	LA802-D0960P
10.0	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1020	LA802-D1020P
12.0	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1200	LA802-D1200P
12.7(1/2")	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1270	LA802-D1270P
15.0	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1500	LA802-D1500P
15.9(5/8")	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1590	LA802-D1590P
16.0	±0.1	G1/4	28	33.5	138.0	26.0	25	LA802-D1600	LA802-D1600P

\*special tolerance

\*\*Lmin: minimum thread length.

Specification might differ from listed sizes, while ordering, confirm by related drawings

Ordering: Other connector sizes and versions on request.



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