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Технические характеристики

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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: bao@nt-rt.ru || сайт: <https://bola.nt-rt.ru>



BOLA GL Tube Fittings – what you should know about

A distribution system consists of tubes or tubing and connection pieces, so-called tube fittings. The BOLA GL-Fitting-System is a modular system which consists of tube fittings, screw-in fittings, different stopcocks and valves.

All fittings have GL threads so that they can be connected to hard-walled tubing (PTFE, PFA, FEP) or tubes (e.g. glass, metal, plastic) by means of BOLA Laboratory Screw Joints.

Together with these BOLA Laboratory Screw Joints (from page 88), the connection is absolutely tight and even suitable for vacuum; the screw joints for GL 14, GL 18 and GL 25 even resist pressures up to max. 10 bar at room temperature.

The system is completed by accessories like quick connectors, dirt traps and GL hose connectors.

BOLA GL Tube Fittings

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal
 Pressure: 10 bar
 Vacuum: suitable

FDA conform

Product description:

Straight tube fitting made of PTFE, two connections with GL thread.
 Universal chemical resistance, the product is only exposed to PTFE.

Thread GL	Bore dia. mm	Length without screw joint mm	Wrench size hexagon mm	Cat. No.:
14	6,5	50	15	D 538-14
18	10,5	50	19	D 538-18
25	14,5	56	27	D 538-25
32	21,0	75	32	D 538-32
45	32,5	75	46	D 538-45



#SUITABLE PAGE 146
 Fittings and laboratory screw joints made of static dissipative PTFE-EX.

BOLA PRACTICAL-TIP

Don't fear blocked passage bores:

The special construction of our fittings does not allow tubing to be pushed in too far.



BOLA GL Tube Fittings T

Material: **PTFE** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal** Pressure: **10 bar** Vacuum: **suitable**

FDA conform

Product description:

Tube fitting T-shaped made of PTFE, three connections with GL thread. Universal chemical resistance, the product is only exposed to PTFE.

Thread GL	Bore dia. mm	Length without screw joint mm	Wrench size square mm	Cat. No.:
14	6,5	54	20	D 540-14
18	10,5	56	20	D 540-18
25	14,5	70	27	D 540-25
32	21,0	83	33	D 540-32
45	32,5	98	48	D 540-45



Application:

For distributing liquids or gases. As reduction for connecting different diameters of tubes or tubing.



#SUITABLE PAGE 90
Laboratory screw joints

BOLA PRACTICAL-TIP Protection from buckling

If you want to avoid buckling of your tubing, simply cut it and add an elbow fitting for connection.

BOLA GL Tube Fittings Elbow

Material: **PTFE** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal** Pressure: **10 bar** Vacuum: **suitable**

FDA conform

Product description:

Tube fitting elbow-shaped made of PTFE, two connections with GL thread. Universal chemical resistance, the product is only exposed to PTFE.

Thread GL	Bore dia. mm	Length without screw joint mm	Wrench size square mm	Cat. No.:
14	6,5	37	20	D 539-14
18	10,5	39	20	D 539-18
25	14,5	51	27	D 539-25
32	21,0	58	32	D 539-32
45	32,5	73	48	D 539-45



Application:

For distributing liquids or gases. As reduction for connecting different diameters of tubes or tubing.

BOLA GL Tube Fittings Cross

Material: **PTFE** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal** Pressure: **10 bar** Vacuum: **suitable**

FDA conform

Product description:

Tube fitting cross-shaped made of PTFE, four connections with GL thread. Universal chemical resistance, the product is only exposed to PTFE.

Thread GL	Bore dia. mm	Length without screw joint mm	Wrench size square mm	Cat. No.:
14	6,5	54	20	D 541-14
18	10,5	56	20	D 541-18
25	14,5	70	27	D 541-25

Application:

For distributing liquids or gases. As reduction for connecting different diameters of tubes or tubing.



BOLA INNOVATION



#1 GL-Fittings

They are mainly used to fix the same diameters on both sides. Together with BOLA Laboratory Screw Joints, they can also be used as reductions.

BOLA GL Quick Connectors

Material: **PFA** Temperature resistance: **from -50°C to +200°C** Chemical resistance: **+++ universal** Pressure: **6 bar** Vacuum: **suitable**



FDA conform

Two-part quick connector completely made of PFA, with two GL threads for connecting tubing or tubes with BOLA Laboratory Screw Joints. Quick and easy disconnection of flow. When disconnected, the flow is interrupted by means of built-in non-return valves and only continues after a safe locking. Suitable for pressure up to max. 6 bar, for vacuum of 700 mm Hg and working temperatures up to max. +200°C. Universal chemical resistance, the product is only exposed to PFA.

Connecting thread GL	Length without screw joint	Flow at 4 bar (water) l/min.	Cat. No.:
14	75	3,2	D 625-20
18	75	4,0	D 625-40
25	79	10,5	D 625-60

Applications:

Ideal for conducting highly pure or aggressive products.





BOLA Thread Adaptors GL

Material: PTFE Temperature resistance: from -200 °C to +250 °C Chemical resistance: +++ universal Pressure: 10 bar Vacuum: suitable

FDA conform

Product description:

Straight transition fitting made of PTFE, two GL-threaded connections. Universal chemical resistance, the medium is only exposed to PTFE.

From male thread GL	to male thread GL	Bore dia. mm	Cat. No.:
14	18	8,5	D 537-04
14	25	8,5	D 537-08
18	25	10,5	D 537-12
25	45	14,5	D 537-16

Applications:

Reduction to connect different tube and tubing diameters with BOLA Laboratory Screw Joints.



BOLA GL-Screw-in Tube Fittings

Material: PTFE Temperature resistance: from -200 °C to +250 °C Chemical resistance: +++ universal Pressure: 10 bar Vacuum: suitable

FDA conform

Product description:

Straight tube fitting made of PTFE, with one screw-in thread (either NPT or G thread). Universal chemical resistance, the product is only exposed to PTFE.

Screw-in thread NPT	Thread GL	Bore dia. mm	Wrench size hexagon mm	Cat. No.:
1/8"	14	4,0	15	D 516-08
1/4"	14	5,0	15	D 516-14
3/8"	14	6,5	19	D 516-20
1/8"	18	4,0	19	D 516-26
1/4"	18	6,5	19	D 516-32
3/8"	18	8,0	19	D 516-38
3/8"	25	8,0	27	D 516-44
1/2"	25	12,0	27	D 516-50

Screw-in thread G	Thread GL	Bore dia. mm	Wrench size hexagon mm	Cat. No.:
1/8"	14	4,0	15	D 517-08
1/4"	14	5,0	15	D 517-14
3/8"	14	6,5	19	D 517-20
1/8"	18	4,0	19	D 517-26
1/4"	18	6,5	19	D 517-32
3/8"	18	8,0	19	D 517-38
1/2"	25	12,0	27	D 517-50
1"	32	18,0	34	D 517-74



#SUITABLE PAGE 90
Laboratory screw joints



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