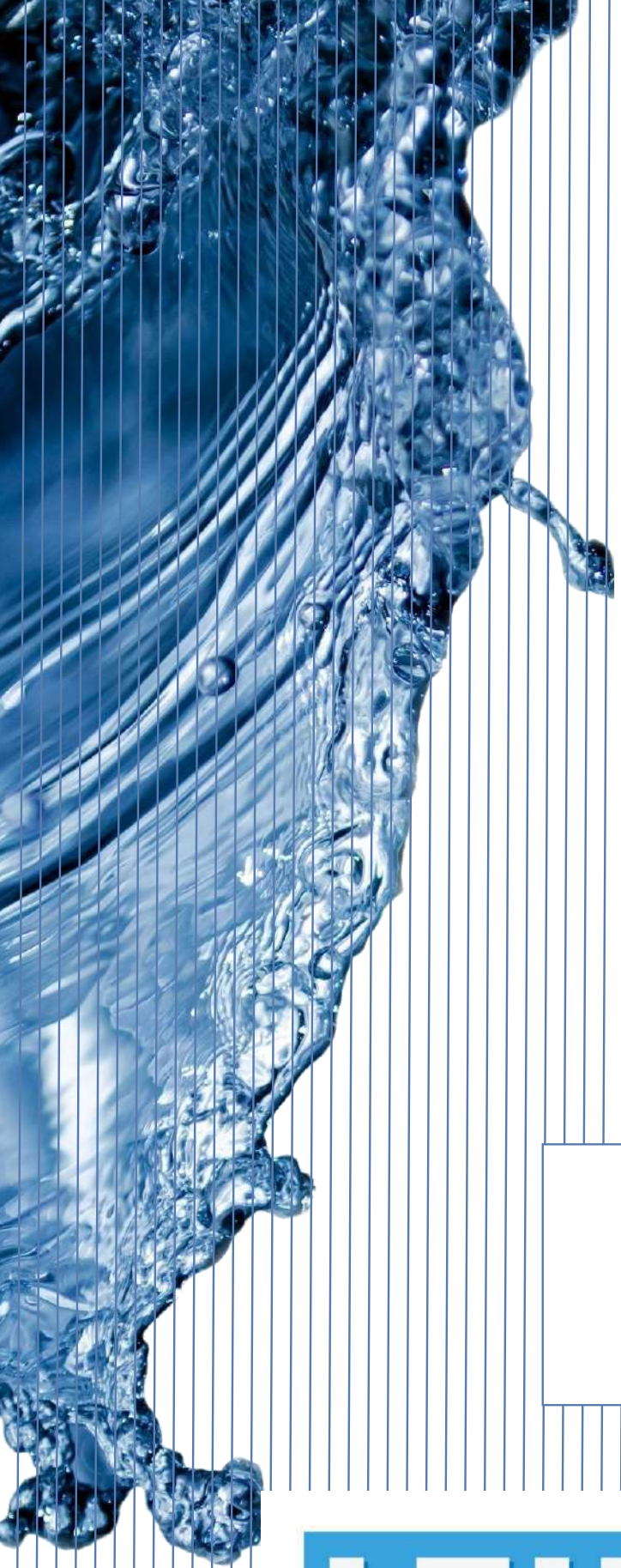


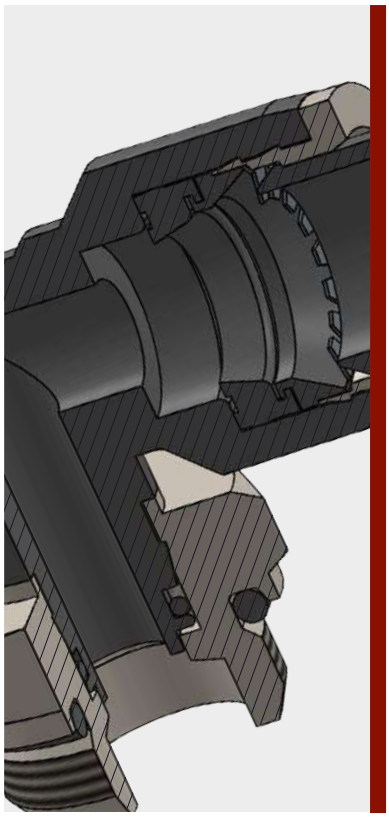
WTR series push-in long swivel male elbow
BSPT, BSPP, metric, NPT and UNF thread
WTRLL-R / WTRLL-G / WTRLL-N - Tierre

LTH
HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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-20°C ÷ 80°C

Working pressure:
16 Bar
Negative pressure:
- 750 mmHg (- 0,999 Bar)

Compressed air & vacuum

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262 M5, M6, M7
- NPT from N1/8" to N1/2"
- UNF 10-32

Polyamide PA,
Polyurethane PU,
Polyethylene PE

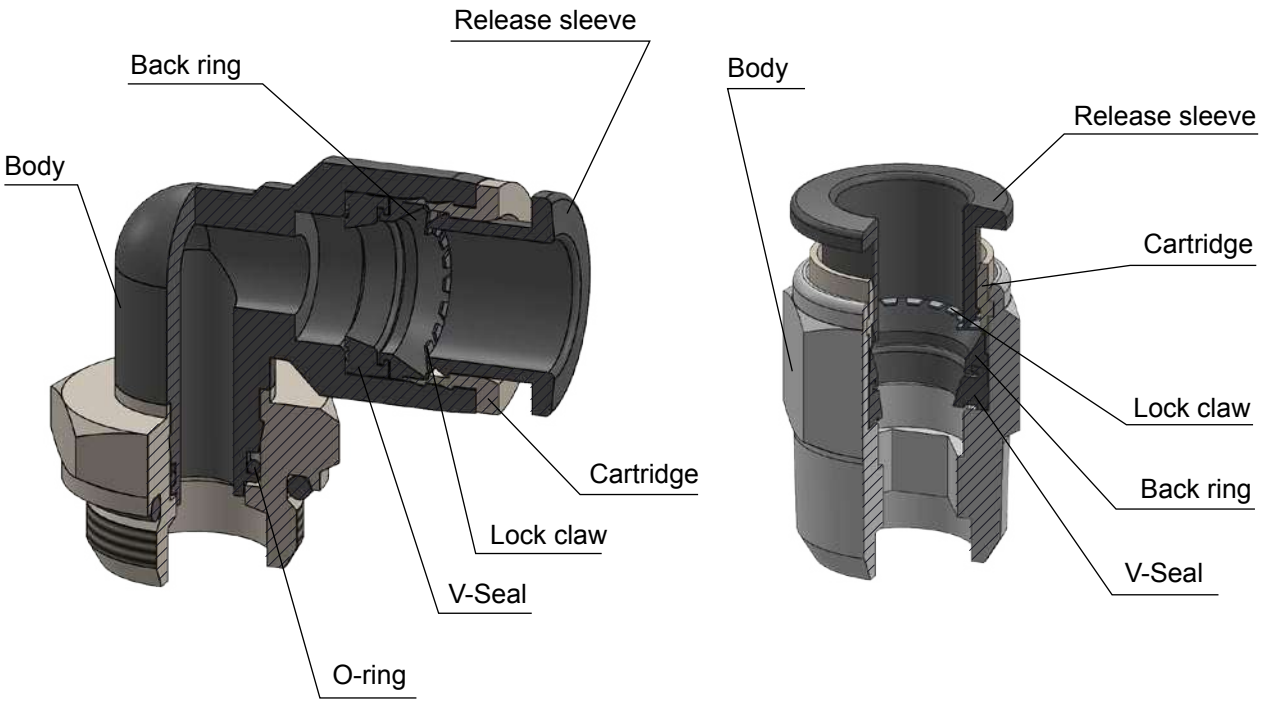
Body: nickel plated brass and high performance BPT
Release sleeve: acetal resin POM
Cartridge: nickel plated zinc
Lock claw: stainless steel AISI 301
Back ring: POM
O-ring: NBR silicon free
V-Seal: NBR silicon free

REACH Products in compliance with the directive 1907/2006

RoHS2 Products in compliance with the directive 2011/65/UE

SILICON FREE

CONSTRUCTION DETAILS

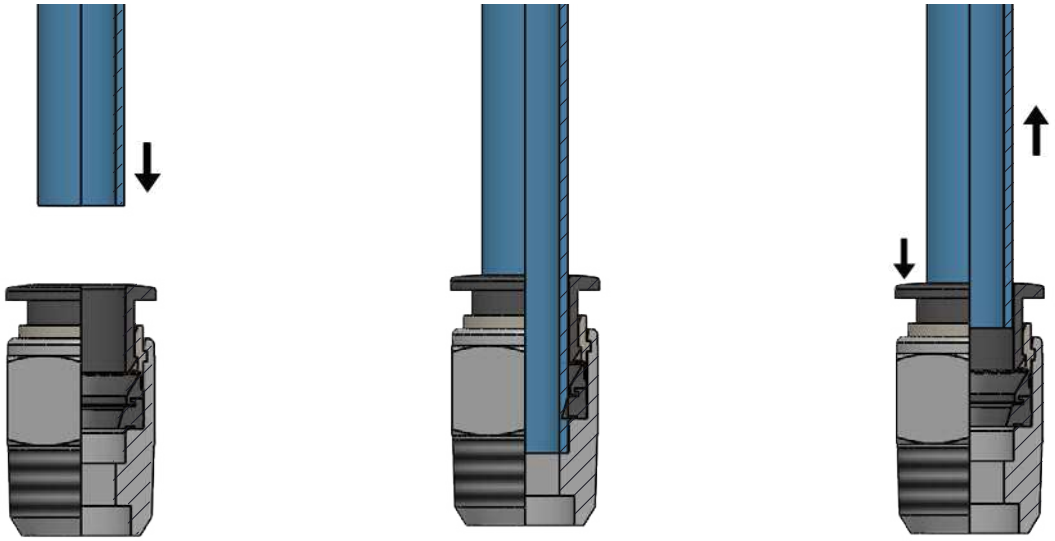


INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand and pull the tube away from the fitting with the other hand.
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCE - METRIC TUBE

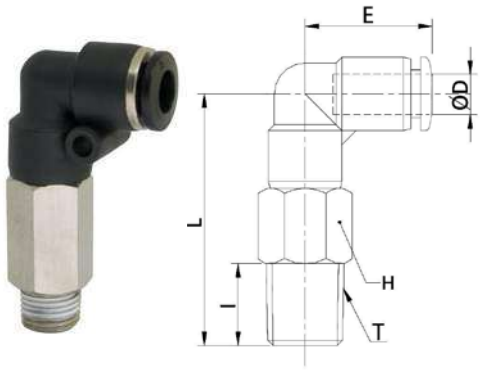
Ø TUBE (mm)	4	6	8	10	12	14	16
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15	± 0,15	± 0,15

TOLERANCE - INCH TUBE

Ø TUBE	5/32	3/16	1/4	5/16	3/8	1/2
TOLERANCE (inch)	±0,003	±0,003	±0,003	±0,003	± 0,005	± 0,005

WTRLL-R

Long swivel male elbow BSPT thread nickel plated

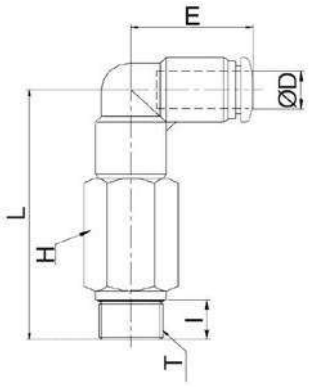


CODE	ØD	T	I	L	E	H	GR.
WTRLL04R01	4	R 1/8"	7,0	35,5	17,5	10,0	14,2
WTRLL04R02		R 1/4"	9,5	39,0	17,5	14,0	26,2
WTRLL06R01	6	R 1/8"	7,0	39,2	19,0	12,0	22,0
WTRLL06R02		R 1/4"	9,5	42,2	19,0	14,0	29,2
WTRLL06R03		R 3/8"	10,5	43,7	19,0	17,0	39,4
WTRLL06R04		R 1/2"	13,5	47,2	19,0	21,0	62,9
WTRLL08R01	8	R 1/8"	7,0	41,8	22,8	14,0	34,6
WTRLL08R02		R 1/4"	9,5	44,3	22,8	14,0	33,1
WTRLL08R03		R 3/8"	10,5	45,8	22,8	17,0	45,6
WTRLL08R04		R 1/2"	13,5	49,3	22,8	21,0	70,1
WTRLL10R01	10	R 1/8"	7,0	49,5	26,3	17,0	61,2
WTRLL10R02		R 1/4"	9,5	52,0	26,3	17,0	62,5
WTRLL10R03		R 3/8"	10,5	53,0	26,3	17,0	56,7
WTRLL10R04		R 1/2"	13,5	56,5	26,3	21,0	87,2
WTRLL12R02	12	R 1/4"	9,5	58,5	29,6	20,0	86,7
WTRLL12R03		R 3/8"	10,5	59,5	29,6	20,0	100,7
WTRLL12R04		R 1/2"	13,5	62,5	29,6	21,0	89,7

WTRLL-G

Long swivel male elbow BSPP & metric thread nickel plated

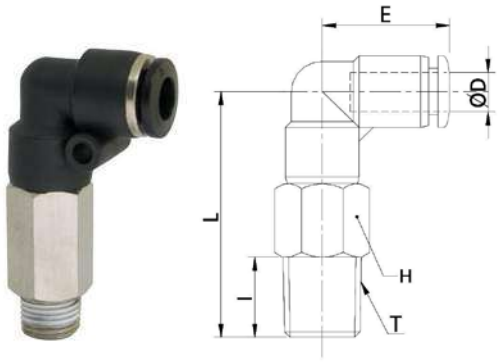




CODE	ØD	T	I	L	E	H	GR.
WTRLL04M5	4	M5x0,8	3,8	29,3	17,5	8,0	10,4
WTRLL04M6		M6x1	4,5	30,0	17,5	8,0	10,8
WTRLL04G01		G 1/8"	5,0	36,0	17,5	14,0	25,9
WTRLL04G02		G 1/4"	5,8	37,3	17,5	17,0	26,6
WTRLL06M5	6	M5x0,8	3,8	31,3	19,0	8,0	11,4
WTRLL06M6		M6x1	4,5	32,0	19,0	8,0	11,8
WTRLL06G01		G 1/8"	5,0	39,2	19,0	14,0	30,5
WTRLL06G02		G 1/4"	5,8	40,5	19,0	17,0	43,3
WTRLL06G03		G 3/8"	6,8	42,0	19,0	20,0	57,0
WTRLL06G04		G 1/2"	8,0	43,2	19,0	24,0	91,5
WTRLL08G01	8	G 1/8"	5,0	41,3	22,8	14,0	35,4
WTRLL08G02		G 1/4"	5,8	42,6	22,8	17,0	48,0
WTRLL08G03		G 3/8"	6,8	44,1	22,8	20,0	60,3
WTRLL08G04		G 1/2"	8,0	45,3	22,8	24,0	93,7
WTRLL10G01	10	G 1/8"	5,0	49,0	26,3	17,0	61,8
WTRLL10G02		G 1/4"	5,8	49,8	26,3	17,0	68,7
WTRLL10G03		G 3/8"	6,8	51,3	26,3	20,0	78,7
WTRLL10G04		G 1/2"	8,0	53,5	26,3	24,0	105,8
WTRLL12G02	12	G 1/4"	5,8	56,8	29,6	20,0	98,1
WTRLL12G03		G 3/8"	6,8	57,8	29,6	20,0	101,9
WTRLL12G04		G 1/2"	8,0	59,5	29,6	24,0	124,3

WTRLL-N

Long swivel male elbow NPT & UNF thread nickel plated



CODE	ØD	T	I	L	E	H	LB
WTRLL532UF1032	5/32	UNF10-32	0,149	1,318	0,688	0,437	0,029
WTRLL532N01		N 1/8"	0,295	1,417	0,688	0,437	0,031
WTRLL316N01	3/16	N 1/8"	0,295	1,417	0,700	0,437	0,046
WTRLL316N02		N 1/4"	0,413	1,555	0,700	0,562	0,061
WTRLL316N03		N 3/8"	0,433	1,594	0,700	0,685	0,082
WTRLL1-4N01	1/4	N 1/8"	0,295	1,562	0,748	0,5	0,048
WTRLL1-4N02		N 1/4"	0,413	1,700	0,748	0,562	0,064
WTRLL1-4N03		N 3/8"	0,433	1,740	0,748	0,685	0,086
WTRLL516N01	5/16	N 1/8"	0,295	1,665	0,897	0,562	0,076
WTRLL516N02		N 1/4"	0,413	1,783	0,897	0,562	0,073
WTRLL516N03		N 3/8"	0,433	1,822	0,897	0,685	0,100
WTRLL38N02	3/8	N 1/4"	0,413	2,047	1,035	0,685	0,137
WTRLL38N03		N 3/8"	0,433	2,106	1,035	0,685	0,125
WTRLL38N04		N 1/2"	0,551	2,244	1,035	0,874	0,192
WTRLL1-2N02	1/2	N 1/4"	0,413	2,342	1,165	0,874	0,191
WTRLL1-2N03		N 3/8"	0,433	2,362	1,165	0,874	0,222
WTRLL1-2N04		N 1/2"	0,551	2,480	1,165	0,874	0,197

LubeTeam Hydraulic S.r.l.
Administration and Headquarter:
Via Tufara Scautieri, 6
83018 - San Martino Valle Caudina (AV)
Office and Warehouse:
S.S. 7 Appia, Km. 237,00
82011 - Airola BN
ITALY

Tel. +39 0823 950 994
Fax +39 0823 412 546

www.lubeteam.it info@lubeteam.it

Italian VAT / C.F. e P.IVA: 01251720627

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