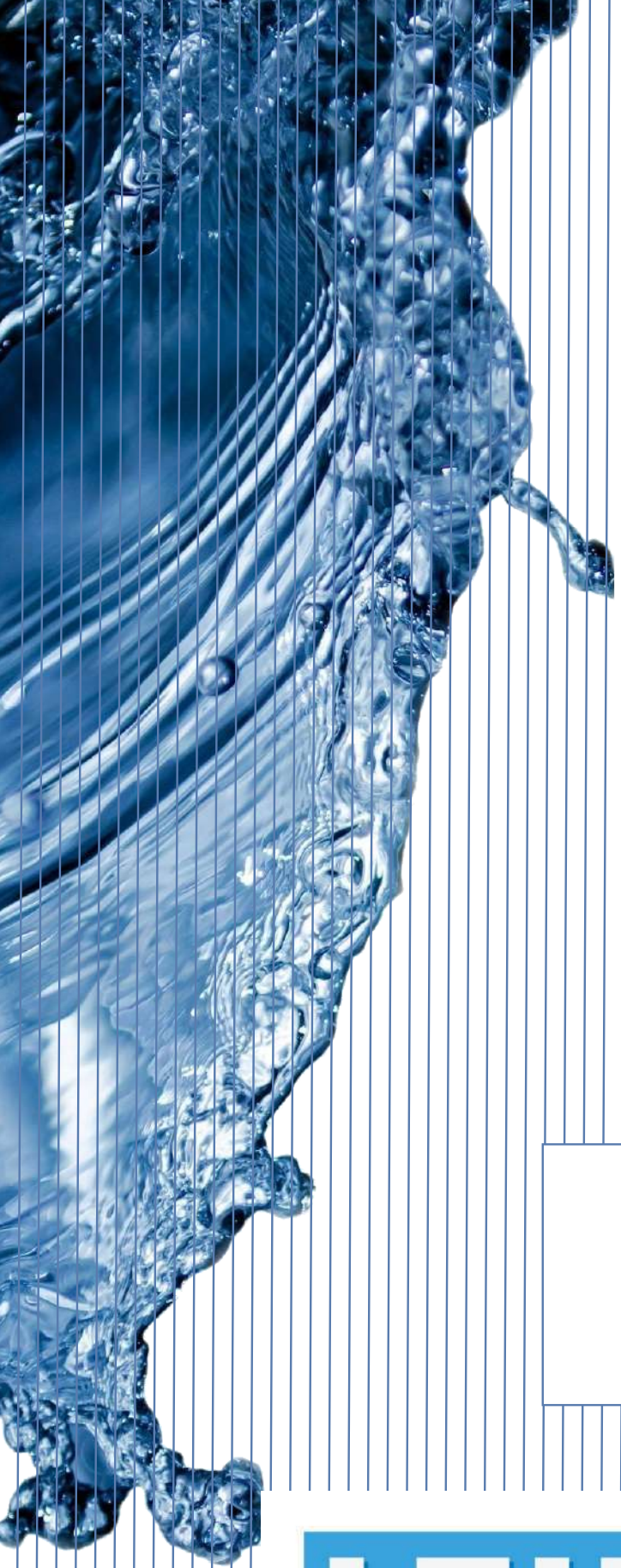


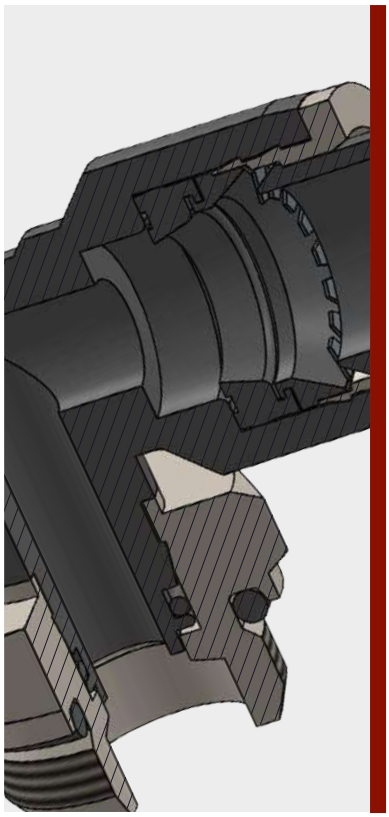
WTR series push-in swivel male elbow
BSPT, BSPP, metric, NPT and UNF thread
WTRL-R / WTRL-G / WTRL-N - Tierre

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

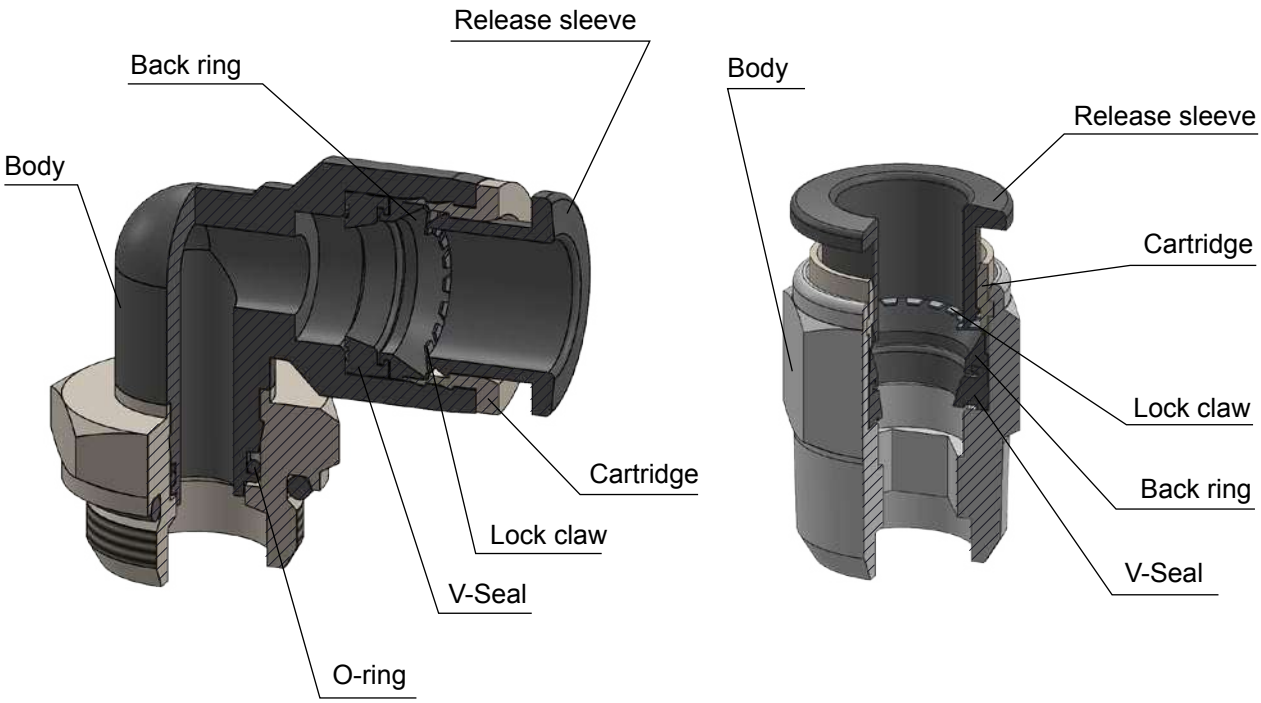
Body: nickel plated brass and high performance BPT
Release sleeve: acetal resin POM
Cartridge: nickel plated zinc
Lock claw: stainless steel AISI 301
Back ring: POM
O-ring: NBR silicon free
V-Seal: NBR silicon free

REACH Products in compliance with the directive 1907/2006

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

SILICON FREE

CONSTRUCTION DETAILS

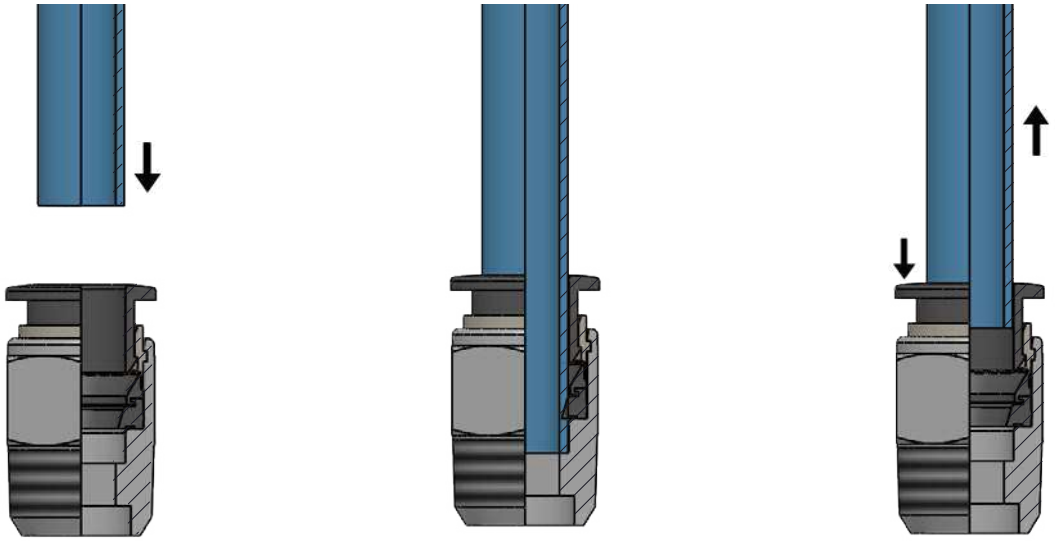


INSERTION OF THE TUBE INTO THE FITTING

- 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

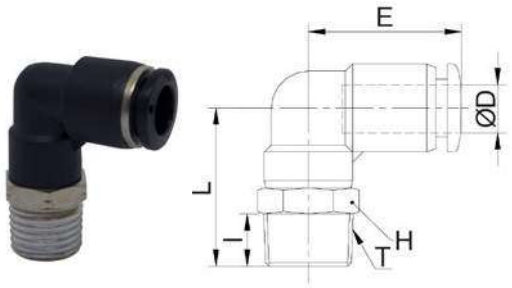
Ø TUBE (mm)	4	6	8	10	12	14	16
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15	± 0,15	± 0,15

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

WTRL-R

Swivel male elbow BSPT thread nickel plated

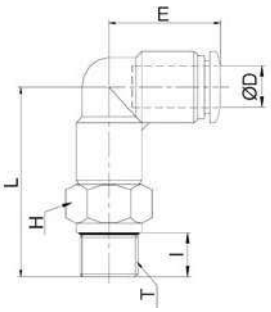


CODE	ØD	T	I	L	E	H	GR.
WTRL04R01	4	R 1/8"	7,0	23,5	17,5	10	8,1
WTRL04R02		R 1/4"	9,5	27,0	17,5	14	13,9
WTRL06R01	6	R 1/8"	7,0	25,2	19,0	12	11,5
WTRL06R02		R 1/4"	9,5	28,2	19,0	14	16,5
WTRL06R03		R 3/8"	10,5	29,7	19,0	17	22,6
WTRL06R04		R 1/2"	13,5	33,2	19,0	21	35,9
WTRL08R01	8	R 1/8"	7,0	26,5	22,8	14	17,6
WTRL08R02		R 1/4"	9,5	29,0	22,8	14	17,7
WTRL08R03		R 3/8"	10,5	30,5	22,8	17	25,3
WTRL08R04		R 1/2"	13,5	34,0	22,8	21	38,2
WTRL10R01	10	R 1/8"	7,0	29,5	26,3	17	30,7
WTRL10R02		R 1/4"	9,5	32,0	26,3	17	31,4
WTRL10R03		R 3/8"	10,5	33,0	26,3	17	30,8
WTRL10R04		R 1/2"	13,5	36,5	26,3	21	47,3
WTRL12R02	12	R 1/4"	9,5	35,5	29,6	20	44,3
WTRL12R03		R 3/8"	10,5	36,5	29,6	20	46,7
WTRL12R04		R 1/2"	13,5	39,5	29,6	21	51,2
WTRL14R03	14	R 3/8"	10,5	41,5	31,7	24	53,0
WTRL14R04		R 1/2"	13,5	45,5	31,7	24	62,0
WTRL16R03	16	R 3/8"	10,5	43,0	33,0	24	67,6
WTRL16R04		R 1/2"	13,5	46,0	33,0	24	72,8

WTRL-G

Swivel male elbow BSPP & metric thread nickel plated

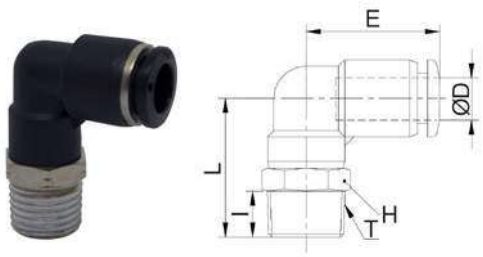




CODE	ØD	T	I	L	E	H	GR.
WTRL04M5	4	M5x0,8	3,8	17,3	17,5	8	5,1
WTRL04M6		M6x1	4,5	18,0	17,5	8	5,3
WTRL04G01		G 1/8"	5,0	24,0	17,5	14	11,8
WTRL04G02		G 1/4"	5,8	25,3	17,5	17	17,9
WTRL06M5	6	M5x0,8	3,8	17,3	19,0	8	5,8
WTRL06M6		M6x1	4,5	18,0	19,0	8	6,0
WTRL06G01		G 1/8"	5,0	25,2	19,0	14	14,6
WTRL06G02		G 1/4"	5,8	26,5	19,0	17	17,5
WTRL06G03		G 3/8"	6,8	28,0	19,0	20	24,4
WTRL06G04		G 1/2"	8,0	29,2	19,0	24	38,4
WTRL08G01	8	G 1/8"	5,0	26,0	22,8	14	17,5
WTRL08G02		G 1/4"	5,8	27,3	22,8	17	20,5
WTRL08G03		G 3/8"	6,8	28,8	22,8	20	26,6
WTRL08G04		G 1/2"	8,0	30	22,8	24	36,8
WTRL10G01	10	G 1/8"	5,0	29,0	26,3	17	31,2
WTRL10G02		G 1/4"	5,8	29,8	26,3	17	30,5
WTRL10G03		G 3/8"	6,8	31,3	26,3	20	34,6
WTRL10G04		G 1/2"	8,0	33,5	26,3	24	47,3
WTRL12G02	12	G 1/4"	5,8	33,8	29,6	20	43,9
WTRL12G03		G 3/8"	6,8	34,8	29,6	20	44,5
WTRL12G04		G 1/2"	8,0	36,5	29,6	24	51,8
WTRL14G03	14	G 3/8"	6,8	39,8	31,7	24	52,0
WTRL14G04		G 1/2"	8,0	41,5	31,7	24	61,0
WTRL16G03	16	G 3/8"	6,8	40,8	33,0	24	64,0
WTRL16G04		G 1/2"	8,0	42,0	33,0	24	66,5

WTRL-N

Swivel male elbow NPT & UNF thread nickel plated



CODE	ØD	T	I	L	E	H	LB
WTRL532UF1032	5/32	UNF 10-32	0,149	0,681	0,688	0,314	0,016
WTRL532N01		N 1/8"	0,295	0,944	0,688	0,437	0,017
WTRL532N02		N 1/4"	0,413	1,102	0,688	0,562	0,030
WTRL316UF1032	3/16	UNF 10-32	0,149	0,866	0,700	0,437	0,016
WTRL316N01		N 1/8"	0,295	0,964	0,700	0,437	0,025
WTRL316N02		N 1/4"	0,413	1,102	0,700	0,562	0,034
WTRL316N03		N 3/8"	0,433	1,141	0,700	0,685	0,047
WTRL1-4UF1032	1/4	UNF 10-32	0,149	0,681	0,748	0,314	0,024
WTRL1-4N01		N 1/8"	0,295	1,011	0,748	0,5	0,025
WTRL1-4N02		N 1/4"	0,413	1,149	0,748	0,562	0,036
WTRL1-4N03		N 3/8"	0,433	1,188	0,748	0,685	0,049
WTRL516N01	5/16	N 1/8"	0,295	1,062	0,897	0,562	0,038
WTRL516N02		N 1/4"	0,413	1,181	0,897	0,562	0,039
WTRL516N03		N 3/8"	0,433	1,220	0,897	0,685	0,055
WTRL38N01	3/8	N 1/8"	0,295	1,181	1,035	0,685	0,067
WTRL38N02		N 1/4"	0,413	1,299	1,035	0,685	0,069
WTRL38N03		N 3/8"	0,433	1,318	1,035	0,685	0,067
WTRL38N04		N 1/2"	0,551	1,456	1,035	0,874	0,104
WTRL1-2N02	1/2	N 1/4"	0,413	1,437	1,165	0,874	0,097
WTRL1-2N03		N 3/8"	0,433	1,456	1,165	0,874	0,102
WTRL1-2N04		N 1/2"	0,551	1,574	1,165	0,874	0,112

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