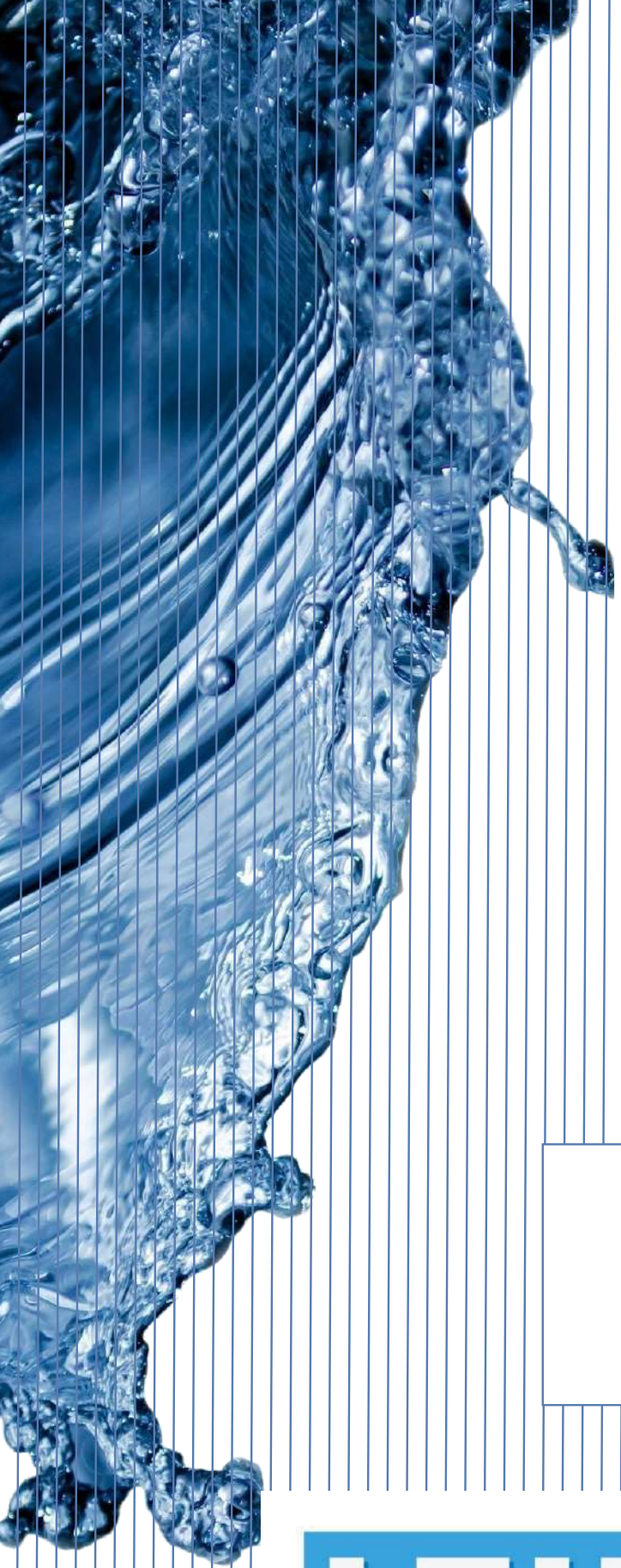


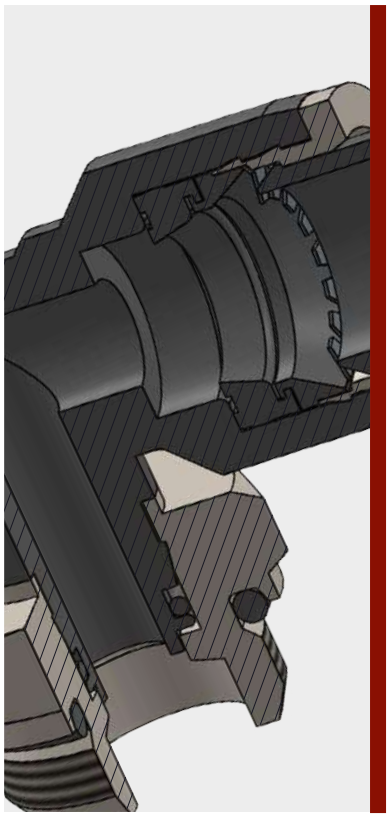
WTR series push-in swivel male elbow 45°
BSPT, BSPP, metric, NPT and UNF thread
WTRLH-R / WTRLH-G / WTRLH-N - Tierre

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

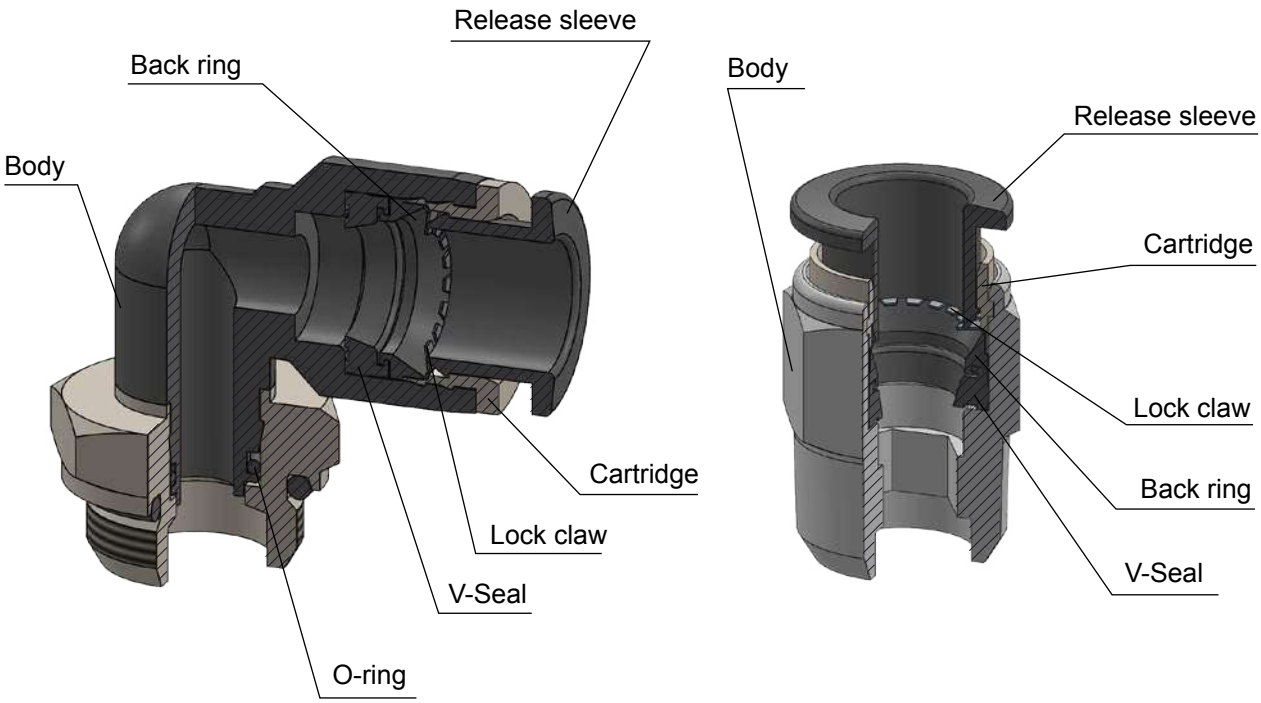
Body: nickel plated brass and high performance BPT
Release sleeve: acetal resin POM
Cartridge: nickel plated zinc
Lock claw: stainless steel AISI 301
Back ring: POM
O-ring: NBR silicon free
V-Seal: NBR silicon free

REACH Products in compliance with the directive 1907/2006

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

SILICON FREE

CONSTRUCTION DETAILS

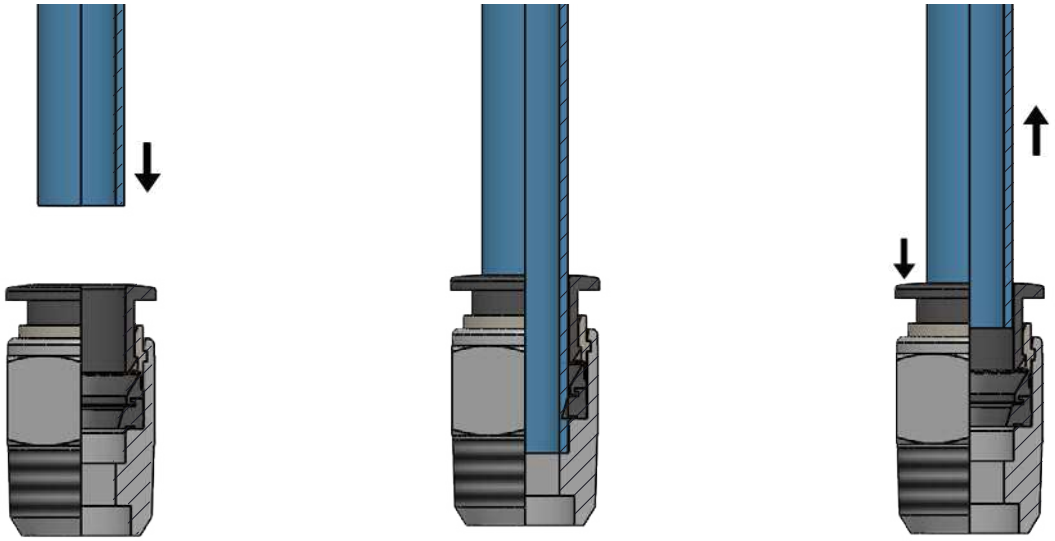


INSERTION OF THE TUBE INTO THE FITTING

- 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

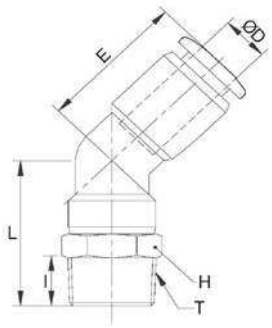
TOLERANCE - INCH TUBE

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

WTRLH-R

Swivel male elbow 45° BSPT thread nickel plated



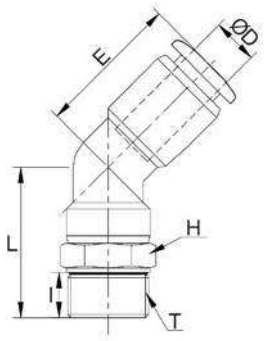


CODE	ØD	T	I	L	E	H	GR.
WTRLH04R01	4	R 1/8"	7,0	22,2	16,2	10	8,0
WTRLH04R02		R 1/4"	9,5	25,7	16,2	14	13,8
WTRLH06R01	6	R 1/8"	7,0	23,9	17,7	12	11,0
WTRLH06R02		R 1/4"	9,5	26,9	17,7	14	16,0
WTRLH06R03		R 3/8"	10,5	28,4	17,7	17	22,2
WTRLH06R04		R 1/2"	13,5	31,9	17,7	21	35,4
WTRLH08R01	8	R 1/8"	7,0	27,1	20,9	14	17,3
WTRLH08R02		R 1/4"	9,5	29,6	20,9	14	17,4
WTRLH08R03		R 3/8"	10,5	31,1	20,9	17	25,0
WTRLH08R04		R 1/2"	13,5	34,6	20,9	21	37,9
WTRLH10R01	10	R 1/8"	7,0	29,7	22,2	17	30,0
WTRLH10R02		R 1/4"	9,5	32,2	22,2	17	30,7
WTRLH10R03		R 3/8"	10,5	33,2	22,2	17	30,1
WTRLH10R04		R 1/2"	13,5	36,7	22,2	21	46,6
WTRLH12R02	12	R 1/4"	9,5	35,2	26,3	21	42,6
WTRLH12R03		R 3/8"	10,5	36,2	26,3	21	45,0
WTRLH12R04		R 1/2"	13,5	39,2	26,3	21	49,5

WTRLH-G

Swivel male elbow 45° BSPP & metric thread nickel plated



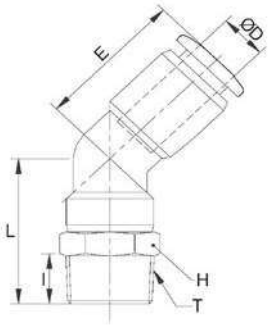


CODE	ØD	T	I	L	E	H	GR.
WTRLH04M5	4	M5x0,8	3,8	20,0	16,2	10	8,1
WTRLH04M6		M6x1	4,5	20,7	16,2	10	8,3
WTRLH04G01		G 1/8"	5,0	22,7	16,2	14	11,7
WTRLH04G02		G 1/4"	5,8	24,0	16,2	17	17,8
WTRLH06M5	6	M5x0,8	3,8	21,7	17,7	12	10,8
WTRLH06M6		M6x1	4,5	22,4	17,7	12	11,5
WTRLH06G01		G 1/8"	5,0	23,9	17,7	14	14,2
WTRLH06G02		G 1/4"	5,8	25,2	17,7	17	17,5
WTRLH06G03		G 3/8"	6,8	26,7	17,7	20	24,0
WTRLH06G04		G 1/2"	8,0	27,9	17,7	24	38,0
WTRLH08G01	8	G 1/8"	5,0	26,6	20,9	14	17,2
WTRLH08G02		G 1/4"	5,8	27,9	20,9	17	20,2
WTRLH08G03		G 3/8"	6,8	29,4	20,9	20	26,3
WTRLH08G04		G 1/2"	8,0	30,6	20,9	24	36,5
WTRLH10G01	10	G 1/8"	5,0	29,2	22,2	17	30,6
WTRLH10G02		G 1/4"	5,8	30,0	22,2	17	29,9
WTRLH10G03		G 3/8"	6,8	31,5	22,2	20	34,0
WTRLH10G04		G 1/2"	8,0	33,7	22,2	24	46,7
WTRLH12G02	12	G 1/4"	5,8	33,5	26,3	21	42,4
WTRLH12G03		G 3/8"	6,8	34,5	26,3	21	43,0
WTRLH12G04		G 1/2"	8,0	36,2	26,3	24	50,3

WTRLH-N

Swivel male elbow 45° NPT & UNF thread nickel plated





CODE	ØD	T	I	L	E	H	LB
WTRLH532UF1032	5/32	UNF 10-32	0,149	0,814	0,637	0,437	0,016
WTRLH532N01		N 1/8"	0,295	0,893	0,637	0,437	0,017
WTRLH532N02		N 1/4"	0,413	1,051	0,637	0,562	0,030
WTRLH316UF1032	3/16	UNF 10-32	0,149	0,814	0,649	0,437	0,023
WTRLH316N01		N 1/8"	0,295	0,913	0,649	0,437	0,024
WTRLH316N02		N 1/4"	0,413	1,051	0,649	0,562	0,033
WTRLH316N03		N 3/8"	0,433	1,090	0,649	0,685	0,046
WTRLH1-4UF1032	1/4	UNF 10-32	0,149	0,909	0,696	0,5	0,023
WTRLH1-4N01		N 1/8"	0,295	0,960	0,696	0,5	0,024
WTRLH1-4N02		N 1/4"	0,413	1,097	0,696	0,562	0,035
WTRLH1-4N03		N 3/8"	0,433	1,137	0,696	0,685	0,049
WTRLH516N01	5/16	N 1/8"	0,295	1,086	0,822	0,562	0,038
WTRLH516N02		N 1/4"	0,413	1,204	0,822	0,562	0,038
WTRLH516N03		N 3/8"	0,433	1,244	0,822	0,685	0,055
WTRLH38N01	3/8	N 1/8"	0,295	1,118	0,874	0,685	0,066
WTRLH38N02		N 1/4"	0,413	1,307	0,874	0,685	0,067
WTRLH38N03		N 3/8"	0,433	1,326	0,874	0,685	0,066
WTRLH38N04		N 1/2"	0,551	1,464	0,874	0,874	0,102
WTRLH1-2N02	1/2	N 1/4"	0,413	1,425	1,035	0,874	0,093
WTRLH1-2N03		N 3/8"	0,433	1,444	1,035	0,874	0,99
WTRLH1-2N04		N 1/2"	0,551	1,562	1,035	0,874	0,109

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