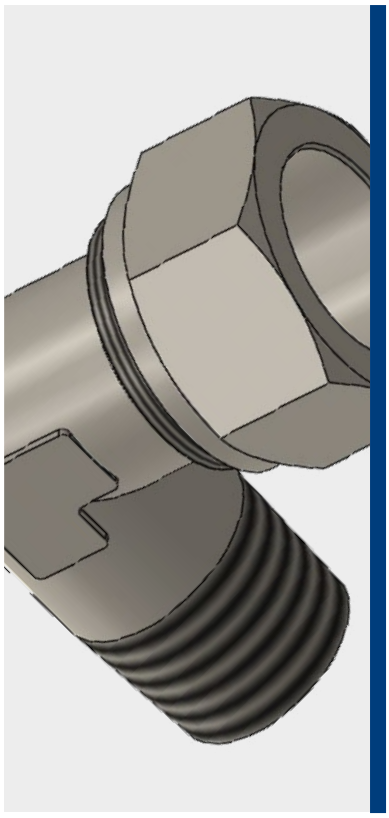


-20°C ÷ +80°C
The working temperature is determined by the features of the tube used

Working pressure:
Up to 60 Bar
The max working pressure is determined by the features of the tube used

Compressed air, oil and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8″ to R1/2″
- Parallel gas BSPP ISO 228 from G1/8″ to G1/2″

Metal tubes: brass, copper, stainless steel and aluminum
Plastic tubes: using support bush 3250: Polyethylene PE, Polyamide PA, PTFE, FEP (3250)

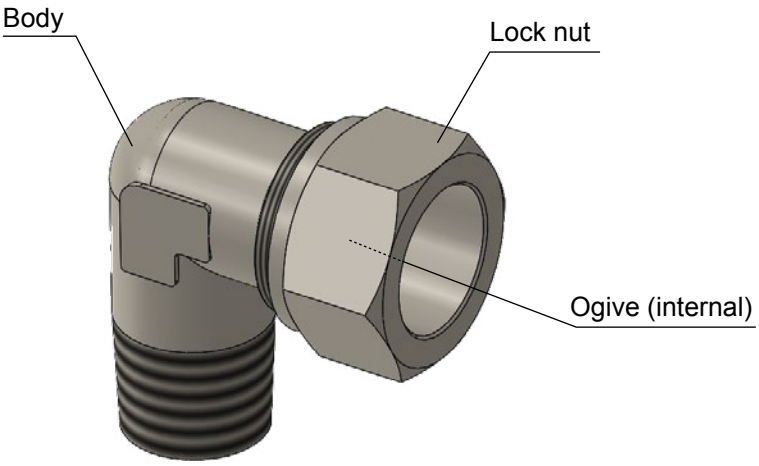
Body: Turning - nickel-plated brass UNI EN 12164 CW614N
Hot forging & machining - nickel-plated brass UNI EN12165 CW617N
Lock nut: Nickel-plated brass UNI EN 12164 CW614N
Ogive: Yellow brass UNI EN 12164 CW 614N

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

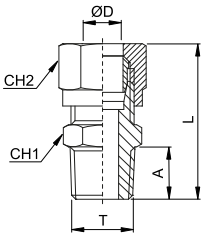
THREAD	1/8″	1/4″	3/8″	1/2″
Nm	8	12	14	16

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

THREAD	1/8″	1/4″	3/8″	1/2″
Nm	5	8	10	12

3100

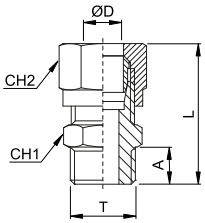
Male connector BSPT thread



CODE	ØD	T	A	L	CH1	CH2	g
3100TR184	4	R 1/8"	8,0	27,0	10	10	12,0
3100TR186	6	R 1/8"	8,0	28,0	12	12	16,0
3100TR146		R 1/4"	11,0	32,5	14	12	24,0
3100TR188	8	R 1/8"	8,0	29,5	12	14	18,0
3100TR148		R 1/4"	11,0	33,0	14	14	24,0
3100TR388		R 3/8"	11,5	33,0	17	14	36,0
3100TR1410	10	R 1/4"	11,0	37,5	17	19	44,0
3100TR3810		R 3/8"	11,5	38,0	17	19	50,0
3100TR1210		R 1/2"	14,0	40,5	22	19	74,0
3100TR3812	12	R 3/8"	11,5	39,0	19	22	58,0
3100TR1212		R 1/2"	14,0	41,0	22	22	78,0
3100TR1214	14	R 1/2"	14,0	42,5	22	27	102,0
3100TR1215	15	R 1/2"	14,0	42,5	22	27	96,0
3100TR1216	16	R 1/2"	14,0	42,0	24	30	112,0
3100TR1218	18	R 1/2"	14,0	43,0	26	32	126,0

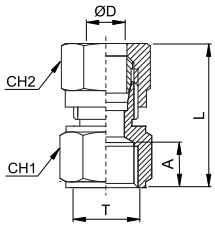
3120

Male connector BSPP thread



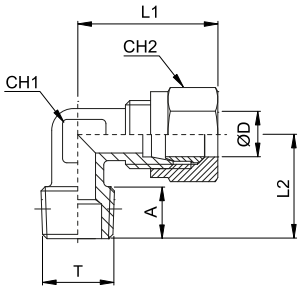
CODE	ØD	T	A	L	CH1	CH2	g
3120TR184	4	G 1/8"	6,0	25,0	14	10	16,0
3120TR186	6	G 1/8"	6,0	26,0	14	12	16,0
3120TR146		G 1/4"	8,0	29,5	17	12	24,0
3120TR188	8	G 1/8"	6,0	27,5	14	14	18,0
3120TR148		G 1/4"	8,0	30,0	17	14	28,0
3120TR388		G 3/8"	9,0	30,5	19	14	34,0
3120TR1410	10	G 1/4"	8,0	34,5	17	19	44,0
3120TR3810		G 3/8"	9,0	36,0	19	19	50,0

3130 Female connector BSPP thread



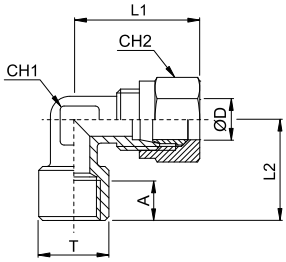
CODE	ØD	T	A	L	CH1	CH2	g
3130TR184	4	G 1/8"	8,0	24,5	14	10	16,0
3130TR186	6	G 1/8"	8,0	26,0	14	12	17,0
3130TR146		G 1/4"	11,0	30,5	17	12	26,0
3130TR188	8	G 1/8"	8,0	26,5	14	14	20,0
3130TR148		G 1/4"	11,0	31,0	17	14	28,0
3130TR388		G 3/8"	11,5	31,0	20	14	32,0
3130TR1410	10	G 1/4"	11,0	35,5	17	19	46,0
3130TR3810		G 3/8"	11,5	36,5	20	19	50,0
3130TR3812	12	G 3/8"	11,5	37,0	20	22	58,0
3130TR1212		G 1/2"	15,0	38,5	24	22	70,0
3130TR1214	14	G 1/2"	15,0	40,0	24	27	98,0
3130TR1215	15	G 1/2"	15,0	40,5	24	27	94,0
3130TR1216	16	G 1/2"	16,0	41,5	24	30	110,0
3130TR1218	18	G 1/2"	16,0	43,0	24	32	134,0

3140 Male elbow BSPT thread



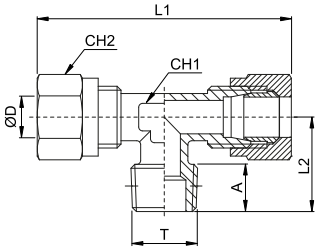
CODE	ØD	T	A	L1	L2	CH1	CH2	g
3140TR184	4	R 1/8"	8,0	21,0	16,0	9	10	14,0
3140TR186	6	R 1/8"	8,0	22,0	16,0	9	12	16,0
3140TR146		R 1/4"	11,0	24,5	20,0	11	12	24,0
3140TR188	8	R 1/8"	8,0	24,0	17,0	11	14	22,0
3140TR148		R 1/4"	11,0	24,0	20,0	11	14	26,0
3140TR388		R 3/8"	11,5	27,0	24,0	13	14	36,0
3140TR1410	10	R 1/4"	11,0	32,0	23,5	13	19	48,0
3140TR3810		R 3/8"	11,5	32,0	24,0	13	19	52,0
3140TR1210		R 1/2"	14,0	34,0	28,5	15	19	66,0
3140TR3812	12	R 3/8"	11,5	34,5	25,5	15	22	69,0
3140TR1212		R 1/2"	14,0	34,5	28,5	15	22	74,0
3140TR1214	14	R 1/2"	14,0	38,0	30,0	17	27	106,0
3140TR1215	15	R 1/2"	14,0	38,0	30,0	17	27	100,0
3140TR1216	16	R 1/2"	14,0	39,5	31,5	19	30	124,0
3140TR1218	18	R 1/2"	14,0	44,0	34,0	22	32	156,0

3150 Female elbow BSPP thread



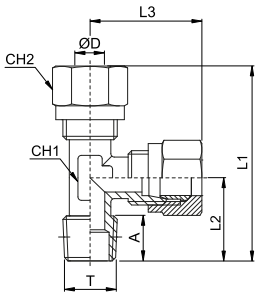
CODE	ØD	T	A	L1	L2	CH1	CH2	g
3150TR184	4	G 1/8"	8,0	22,0	20,0	9	10	18,0
3150TR186	6	G 1/8"	8,0	24,0	20,0	9	12	20,0
3150TR146		G 1/4"	11,0	27,0	25,5	13	12	39,0
3150TR188	8	G 1/8"	8,0	24,0	20,0	11	14	26,0
3150TR148		G 1/4"	11,0	27,5	25,5	13	14	40,0

3160 Male tee BSPT thread



CODE	ØD	T	A	L1	L2	CH1	CH2	g
3160TR184	4	R 1/8"	8,0	42,0	16,0	9	10	22,0
3160TR186	6	R 1/8"	8,0	46,0	16,0	9	12	26,0
3160TR146		R 1/4"	11,0	48,0	20,0	11	12	34,0
3160TR188	8	R 1/8"	8,0	48,0	17,0	11	14	34,0
3160TR148		R 1/4"	11,0	48,0	20,0	11	14	38,0
3160TR388		R 3/8"	11,5	54,0	24,0	13	14	52,0
3160TR1410	10	R 1/4"	11,0	64,0	23,5	13	19	80,0
3160TR3810		R 3/8"	11,5	64,0	24,0	13	19	84,0
3160TR3812	12	R 3/8"	11,5	69,0	25,5	15	22	108,0
3160TR1212		R 1/2"	14,0	69,0	28,5	15	22	118,0
3160TR1214	14	R 1/2"	14,0	76,0	30,0	17	27	176,0
3160TR1215	15	R 1/2"	14,0	76,0	30,0	17	27	170,0
3160TR1216	16	R 1/2"	14,0	79,0	31,5	19	30	212,0
3160TR1218	18	R 1/2"	14,0	88,0	34,0	22	32	256,0

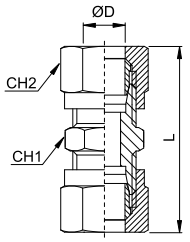
3170 Lateral male tee BSPT thread



CODE	ØD	T	A	L1	L2	L3	CH1	CH2	g
3170TR184	4	R 1/8"	8,0	37,0	16,0	21,0	9	10	22,0
3170TR186	6	R 1/8"	8,0	39,0	16,0	23,0	9	10	26,0
3170TR146		R 1/4"	11,0	44,5	20,0	24,5	11	12	34,0
3170TR188	8	R 1/8"	8,0	41,0	17,0	24,0	11	14	34,0
3170TR148		R 1/4"	11,0	44,0	20,0	24,0	11	14	38,0
3170TR388		R 3/8"	11,5	51,0	24,0	27,0	13	14	52,0
3170TR1410	10	R 1/4"	11,0	55,5	23,5	32,0	13	19	80,0
3170TR3810		R 3/8"	11,5	56,0	24,0	32,0	13	19	84,0
3170TR3812	12	R 3/8"	11,5	60,0	25,5	34,5	15	22	110,0
3170TR1212		R 1/2"	14,0	63,0	28,5	34,5	15	22	118,0
3170TR1214	14	R 1/2"	14,0	68,0	30,0	38,0	17	27	176,0
3170TR1215	15	R 1/2"	14,0	68,0	30,0	38,0	17	27	170,0
3170TR1216	16	R 1/2"	14,0	71,0	31,5	39,5	19	30	210,0
3170TR1218	18	R 1/2"	14,0	78,0	34,0	44,0	22	32	256,0

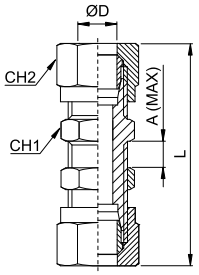
drawings and technical data are not binding & can be changed without notice

3180 Union connector



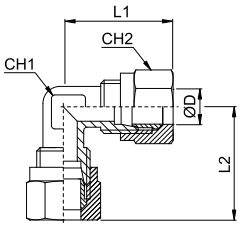
CODE	ØD	L	CH1	CH2	g
3180TR4	4	33,5	10	10	16,0
3180TR6	6	36,5	12	12	25,0
3180TR8	8	38,5	14	14	28,0
3180TR10	10	47,5	17	19	66,0
3180TR12	12	50,5	19	22	93,0
3180TR14	14	55,5	24	27	148,0
3180TR15	15	55,5	24	27	140,0
3180TR16	16	58,0	24	30	177,0
3180TR18	18	60,0	26	32	198,0

3190 Bulkhead connector



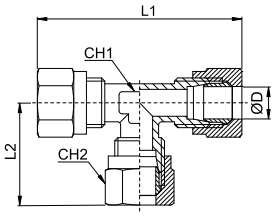
CODE	ØD	T	A MAX	L	CH1	CH2	g
3190TR6	6	M10x1	15,5	51,5	14	12	32,0
3190TR8	8	M12x1	16,5	55,5	16	14	42,0
3190TR10	10	M16x1,5	15,5	62,5	19	19	90,0
3190TR12	12	M18x1,5	16,0	64,5	22	22	116,0
3190TR14	14	M22x1,5	18,0	69,5	25	27	192,0
3190TR15	15	M22x1,5	18,0	69,5	25	27	184,0

3200 Union elbow



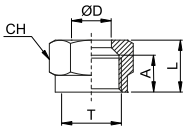
CODE	ØD	L1	L2	CH1	CH2	g
3200TR4	4	21,0	21,0	9	10	18,0
3200TR6	6	23,0	23,0	9	12	22,0
3200TR8	8	24,0	24,0	11	14	30,0
3200TR10	10	32,0	32,0	13	19	70,0
3200TR12	12	34,5	34,5	15	22	94,0
3200TR14	14	38,0	38,0	17	27	152,0
3200TR15	15	38,0	38,0	17	27	144,0
3200TR16	16	39,5	39,5	19	30	186,0
3200TR18	18	44,0	44,0	22	32	228,0

3210 Union tee



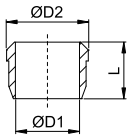
CODE	ØD	L1	L2	CH1	CH2	g
3210TR4	4	42,0	21,0	9	10	26,0
3210TR6	6	46,0	23,0	9	12	30,0
3210TR8	8	48,0	24,0	11	14	42,0
3210TR10	10	64,0	32,0	13	19	102,0
3210TR12	12	69,0	34,5	15	22	136,0
3210TR14	14	76,0	38,0	17	27	226,0
3210TR15	15	76,0	38,0	17	27	208,0
3210TR16	16	79,0	39,5	19	30	272,0
3210TR18	18	88,0	44,0	22	32	330,0

3230 Locking nut



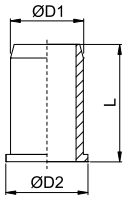
CODE	ØD	T	A	L	CH	g
3230TRM814	4	M8x1	7,5	11,0	10	4,2
3230TRM1016	6	M10x1	8,5	11,5	12	5,4
3230TRM1218	8	M12x1	9,0	12,0	14	7,0
3230TRM161510	10	M16x1,5	11,5	15,5	19	18,2
3230TRM181512	12	M18x1,5	11,5	15,5	22	25,0
3230TRM221514	14	M22x1,5	12,0	17,5	27	44,3
3230TRM221515	15	M22x1,5	12,0	17,0	27	41,1
3230TRM241516	16	M24x1,5	12,0	17,5	30	55,6
3230TRM261518	18	M26x1,5	12,5	18,5	32	64,2

3240 Ogive



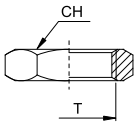
CODE	ØD1	ØD2	L	g
3240TR4	4	6	6,0	0,45
3240TR6	6	8	7,0	0,82
3240TR8	8	10	7,0	1,12
3240TR10	10	13	10,0	3,32
3240TR12	12	15	10,0	3,80
3240TR14	14	17	10,0	4,40
3240TR15	15	18	10,0	4,76
3240TR16	16	19	10,0	5,04
3240TR18	18	21	10,5	5,92

3250 Internal support bush



CODE	TUBE ØD	ØD1	ØD2	L	g
3250TR4	4	2,5	3,5	10,0	0,20
3250TR6	6	4,0	5,5	12,0	0,60
3250TR8	8	6,0	7,5	13,0	1,00
3250TR10	10	8,0	9,5	14,0	1,40
3250TR12	12	10,0	11,5	16,0	2,20
3250TR14	14	12,0	13,5	16,0	2,60
3250TR15	15	12,5	14,5	17,0	2,80
3250TR16	16	14,0	15,5	18,0	3,40
3250TR18	18	16,0	17,5	19,0	-

1176 Bulkhead locking nut



CODE	T	CH	g
1176TRM101	M10x1	14	3,0
1176TRM121	M12x1	16	3,8
1176TRM1615	M16x1,5	19	5,0
1176TRM1815	M18x1,5	22	7,0
1176TRM2215	M22x1,5	25	17,0