PUSH-ON FITTINGS
POLYPROPYLENE

D.M. 174

PLUS

- GREAT GRIPPING SYSTEM WITH THE LOCKING NUT
- HIGH CHEMICAL RESISTANCE
- EASY TO USE AND SUITABLE FOR VARIOUS APPLICATIONS
- SUITABLE FOR FOOD AND WATER CONTACT
- WIDE RANGE FOR METRIC TUBES (BLUE) AND FOR INCH TUBES (GREY)



p. 142 / **2105**



p. 142 / **2110**



p. 142 / **2115**



p. 143 / **2130**



p. 143 / **2135**



p. 143 / **2140**



p. 143 / **2150**



p. 144 / **2155**



p. 144 / **2160**



p. 144 / **2165**



p. 144 / **2230**



p. 145 / **2105N**



p. 145 / **2110N**



p. 145 / **2115N**



p. 146 / **2135N**



p. 146 / **2140N**



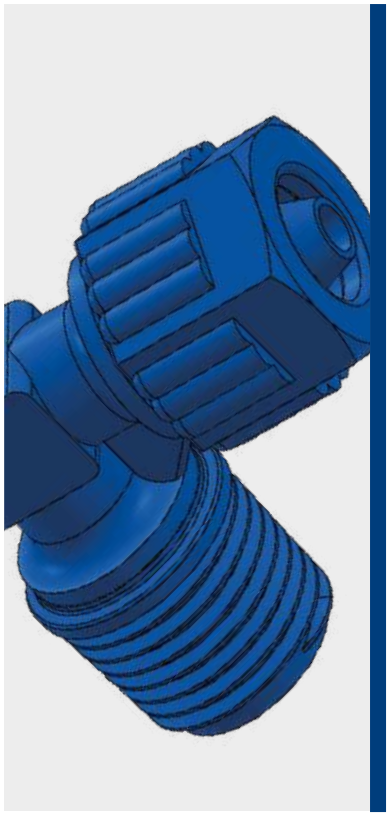
p. 146 / **2155N**



p. 147 / **2160N**



p. 147 / **2165N**



+4°C ÷ +90°C
Subject to applications

Working pressure:
14 Bar (at 20°C)

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 form R1/8" to R3/4"
- NPT ANSI B 1.20.1 from N1/8" to N1/2"

Polyurethane, Polyethylene, Polyamide

Body: Fiber glass reinforced polypropylene
Lock nut: Fiber glass reinforced polypropylene

Food contact materials EC 1935/2004

D.M. 174/2004

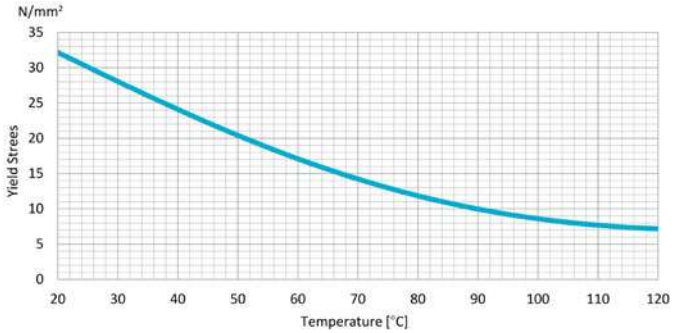
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

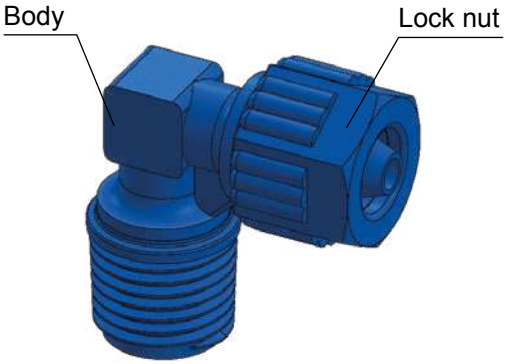
FEATURES

- The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.
- It is reccomended to insert the tube to the end and tighten the nut before using.
- Cut the part of the tube attached to the fitting in order to reutilize it.

YIELD STRESS OF POLYPROPYLENE



CONSTRUCTION DETAILS



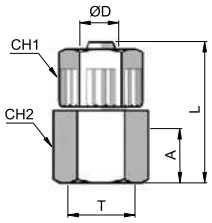
TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	0,01	0,3	1,3	2,7	5,4

2105 Female connector BSPT thread

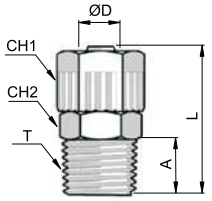




CODE	ØD	T	A	L	CH1	CH2	g
2105TR186	6/4	R 1/8"	10,0	26,3	14	14	3,0
2105TR146		R 1/4"	11,0	27,8	14	17	3,0
2105TR188	8/5,5	R 1/8"	9,5	26,3	14	14	3,0
2105TR148		R 1/4"	11,0	28,0	14	17	4,0
2105TR388		R 3/8"	11,2	30,6	14	22	5,0
2105TR128		R 1/2"	13,5	32,5	14	26	6,0
2105TR1410	10/7	R 1/4"	10,0	31,7	17	17	6,0
2105TR3810		R 3/8"	11,0	33,0	17	22	7,0
2105TR1210		R 1/2"	13,8	35,4	17	26	7,0

2110 Male connector BSPT thread

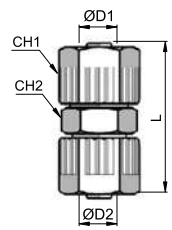




CODE	ØD	T	A	L	CH1	CH2	g
2110TR186	6/4	R 1/8"	8,0	27,5	14	13	3,0
2110TR146		R 1/4"	10,5	29,7	14	14	3,0
2110TR386		R 3/8"	10,5	32,5	14	17	4,5
2110TR126		R 1/2"	13,0	35,5	14	22	6,0
2110TR346		R 3/4"	9,0	36,6	14	27	8,0
2110TR188	8/5,5	R 1/8"	8,0	27,6	14	13	3,0
2110TR148		R 1/4"	10,5	29,5	14	14	3,0
2110TR388		R 3/8"	10,5	31,4	14	17	4,0
2110TR128		R 1/2"	13,0	36,1	14	22	5,0
2110TR348		R 3/4"	9,0	36,6	14	27	8,0
2110TR1410	10/7	R 1/4"	10,5	35,8	17	17	4,0
2110TR3810		R 3/8"	10,5	35,8	17	17	5,0
2110TR1210		R 1/2"	12,0	38,9	17	22	6,0
2110TR3410		R 3/4"	13,0	39,7	17	27	6,0
2110TR1412	12/9	R 1/4"	10,5	37,3	19	14	6,0
2110TR3812		R 3/8"	10,5	37,3	19	17	7,0
2110TR1212		R 1/2"	12,5	40,1	19	22	7,0
2110TR3412		R 3/4"	13,0	40,1	19	27	8,0

2115 Union connector

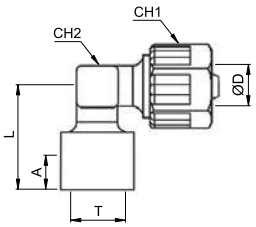




CODE	ØD1	ØD2	L	CH1	CH2	g
2115TR6	6/4	6/4	32,7	14	14	4,0
2115TR8	8/5,5	8/5,5	32,7	14	14	4,0
2115TR12	12/9	12/9	40,6	19	19	8,0
REDUCED UNION CONNECTOR						
2115TR86	8/5,5	6/4	32,7	14	14	4,0

2130 Female elbow BSPT thread

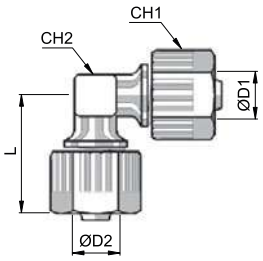




CODE	ØD	T	A	L	CH1	CH2	g
2130TR186	6/4	R 1/8"	10,5	19,5	14	9	5,0
2130TR146		R 1/4"	12,3	22,5	14	9	5,0
2130TR148	8/5,5	R 1/4"	12,3	22,5	14	9	6,0

2135 Union elbow

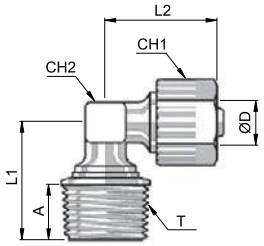




CODE	ØD1	ØD2	L	CH1	CH2	g
2135TR6	6/4	6/4	23,3	14	8	4,0
2135TR8	8/5,5	8/5,5	23,5	14	8	4,0
2135TR12	12/9	12/9	32,0	19	15	10,0
REDUCED UNION CONNECTOR						
2135TR86	8/5,5	6/4	23,3	14	8	4,4

2140 Male elbow BSPT thread

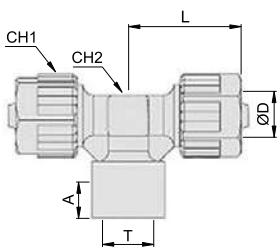




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2140TR186	6/4	R 1/8"	8,0	18,5	22,5	14	8	2,0
2140TR146		R 1/4"	10,0	23,0	22,5	14	8	3,0
2140TR188	8/5,5	R 1/8"	8,5	18,5	23,0	14	8	3,0
2140TR148		R 1/4"	11,0	23,0	23,0	14	8	3,0
2140TR388		R 3/8"	11,0	23,5	23,0	14	8	5,0
2140TR1412	12/9	R 1/4"	10,0	24,0	33,0	19	15	7,0
2140TR3812		R 3/8"	10,0	24,5	33,0	19	15	6,0
2140TR1212		R 1/2"	13,0	28,5	33,0	19	15	9,0

2150 Female tee BSPT thread

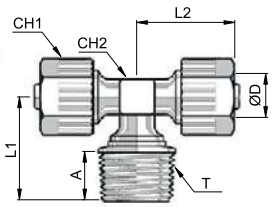




CODE	ØD	T	A	L	CH1	CH2	g
2150TR186	6/4	R 1/8"	10,2	23,3	14	8	5,82
2150TR148	8/5,5	R 1/4"	12,5	23,4	14	8	5,82

2155 Male tee BSPT thread

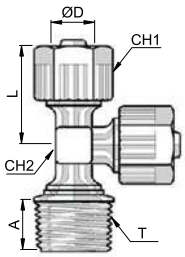




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2155TR186	6/4	R 1/8"	9,0	19,0	23,4	14	8	6,0
2155TR146		R 1/4"	11,0	21,0	23,4	14	8	6,0
2155TR188	8/5,5	R 1/8"	9,0	19,0	23,4	14	8	5,0
2155TR148		R 1/4"	11,0	21,0	23,4	14	8	6,0
2155TR388		R 3/8"	11,0	21,0	23,6	14	8	7,0
2155TR1412	12/9	R 1/4"	11,0	21,0	33,5	14	8	12,0
2155TR3812		R 3/8"	10,7	24,5	33,5	19	15	14,0
2155TR1212		R 1/2"	15,0	28,5	33,5	19	15	15,0

2160 Lateral male tee BSPT thread

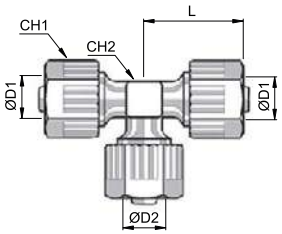




CODE	ØD	T	A	L	CH1	CH2	g
2160TR186	6/4	R 1/8"	8,5	20,9	14	8	5,0
2160TR146		R 1/4"	11,0	23,1	14	8	5,0
2160TR188	8/5,5	R 1/8"	8,5	20,9	14	8	5,0
2160TR148		R 1/4"	11,0	23,1	14	8	5,0
2160TR388		R 3/8"	10,0	29,4	14	8	7,0
2160TR1412	12/9	R 1/4"	10,0	28,8	19	15	12,0
2160TR3812		R 3/8"	11,0	29,5	19	15	14,0
2160TR1212		R 1/2"	15,0	31,3	19	15	15,0

2165 Union tee

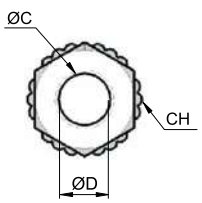




CODE	ØD1	ØD2	L	CH1	CH2	g
2165TR6	6/4	6/4	23,4	14	8	7,0
2165TR8	8/5,5	8/5,5	23,4	14	8	5,0
2165TR12	12/9	12/9	33,55	19	14	14,0
REDUCED UNION TEE						
2165TR68	6/4	8/5,5	46,8	14	8	6,48
2165TR86	8/5,5	6/4	46,8	14	8	6,41

2230 Locking nut





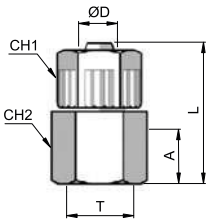
CODE	ØD	ØC	CH	g
2230TR6BL	6/4	6,2	16	1,0
2230TR8BL	8/5,5	8,1	16	2,0
2230TR10BL	10/7	10,2	19	3,0
2230TR12BK	12/9	12,8	22	4,0

2230TR12BK: Black locking nut

2105N

Female connector NPT thread



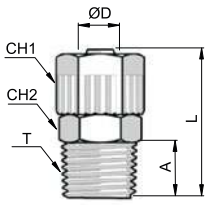


CODE	ØD	T	A	L	CH1	CH2	g
2105TRN1814	1/4	N 1/8"	13,0	26,3	16	14	3,0
2105TRN18516	5/16	N 1/8"	-	26,3	16	14	-
2105TRN14516		N 1/4"	-	32,1	16	17	-
2105TRN38516		N 3/8"	-	32,2	19	22	-
2105TRN12516		N 1/2"	-	37,5	22	27	-
2105TRN1438	3/8	N 1/4"	16,5	34,5	19	17	5,0
2105TRN3838		N 3/8"	16,7	34,5	19	22	6,5
2105TRN1238		N 1/2"	-	38,0	19	27	-

2110N

Male connector NPT thread



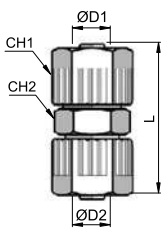


CODE	ØD	T	A	L	CH1	CH2	g
2110TRN1814	1/4	N 1/8"	8,5	29,4	14	11	2,56
2110TRN1414		N 1/4"	13	34,0	14	14	3,33
2110TRN1214		N 1/2"	18	40,2	14	22	6,76
2110TRN18516	5/16	N 1/8"	8,5	29,4	14	11	2,71
2110TRN14516		N 1/4"	13	34,0	14	14	3,07
2110TRN38516		N 3/8"	13	35,1	14	17	4,17
2110TRN1438	3/8	N 1/4"	13	37,6	17	14	4,39
2110TRN3838		N 3/8"	13	38,6	17	17	5,55
2110TRN1238		N 1/2"	18	43,7	17	22	7,63
2110TRN3438		N 3/4"	-	44,4	17	27	10,12
2110TRN1412	1/2	N 1/4"	13	38,8	19	14	5,11
2110TRN3812		N 3/8"	13	40	19	17	6,18
2110TRN1212		N 1/2"	18	45	19	22	8,34

2115N

Union connector

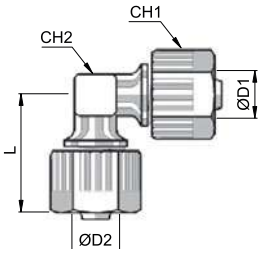




CODE	ØD1	ØD2	L	CH1	CH2	g
2115TRN14	1/4	1/4	32,5	14	14	4,14
2115TRN516	5/16	5/16	32,6	14	14	4,09
2115TRN12	1/2	1/2	40,4	19	19	8,26

2135N — Union elbow connector

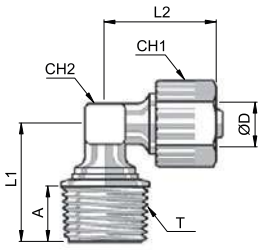




CODE	ØD1	ØD2	L	CH1	CH2	g
2135TRN14	1/4	1/4	23,3	14	8	4,48
2135TRN516	5/16	5/16	23,5	14	8	4,35

2140N — Male elbow NPT thread

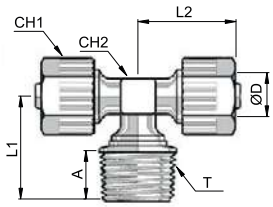




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2140TRN1814	1/4	N 1/8"	10	19,5	22,5	14	8	3,2
2140TRN1414		N 1/4"	12,5	23,3	22,5	14	8	3,83
2140TRN18516	5/16	N 1/8"	12,5	23,5	22,5	14	8	3,13
2140TRN14516		N 1/4"	10	19,5	22,5	14	8	3,81

2155N — Male tee NPT thread





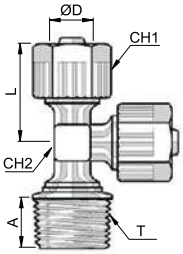
CODE	ØD	T	A	L1	L2	CH1	CH2	g
2155TRN1814	1/4	N 1/8"	10	20,3	23,4	14	8	5,25
2155TRN1414		N 1/4"	12,5	25	23,4	14	8	5,74
2155TRN18516	5/16	N 1/8"	10	20,3	23,4	14	8	5,17
2155TRN14516		N 1/4"	12,5	25	23,4	14	8	5,81
2155TRN3812	1/2	N 3/8"	14	30,2	33,5	19	15	13,06
2155TRN1212		N 1/2"	17,5	33	33,5	19	15	13,79

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

2160N

Lateral male tee NPT thread



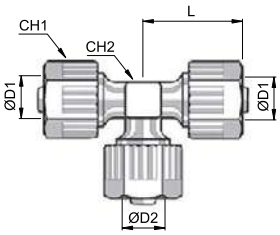


CODE	ØD	T	A	L	CH1	CH2	g
2160TRN1814	1/4	N 1/8"	-	21,7	14	8	5,28
2160TRN1414		N 1/4"	-	24,1	14	8	5,88
2160TRN18516	5/16	N 1/8"	10	21,7	14	8	5,04
2160TRN14516		N 1/4"	13,3	24,1	14	8	5,62

2165N

Union tee





CODE	ØD1	ØD2	L	CH1	CH2	g
2165TRN14	1/4	1/4	27,4	14	-	6,52
2165TRN516	5/16	5/16	27,4	14	-	6,29
2165TRN12	1/2	1/2	40,4	19	14	14,84

