BARB CONNECTORS POLYPROPYLENE

PLUS

- SUITABLE FOR AIR AND WATER ACCORDING TO TABLES
- GREAT CHEMICAL RESISTANCE ESPECIALLY WITH FERTILIZERS
- UTILIZE WITH 5090 SERIES CLAMPS FOR BETTER GRIP AND SAFETY
- DESIGNED TO BE USED WITH 2,5 AND 4 CLASSES LDPE TUBES. CAN ALSO BE USED WITH DIFFERENT PLASTIC AND RUBBER FLEXIBLE TUBES
- IDEAL FOR AGRICULTURAL INDUSTRY



p. 205 / **5510**



p. 205 / **5520**



p. 205 / **5530**



p. 206 / **5540**



p. 206 / **5545**



p. 206 / **5550**



p. 206 / **5555**



p. 207 / **5560**



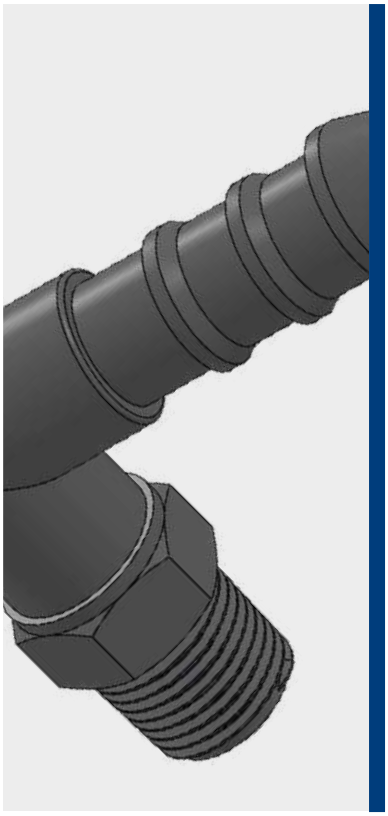
p. 207 / **5565**



p. 207 / **5570**



p. 207 / **5580**



+4°C ÷ +90°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with construction materials

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

Suitable for use with LDPE class 2.5 and 4 tubes.
Can be used with plastic and rubber tubes

Body: Polypropylene

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 tightened with the clamp.
- Cut the part of the tube attached to the fitting in order to reutilize it.

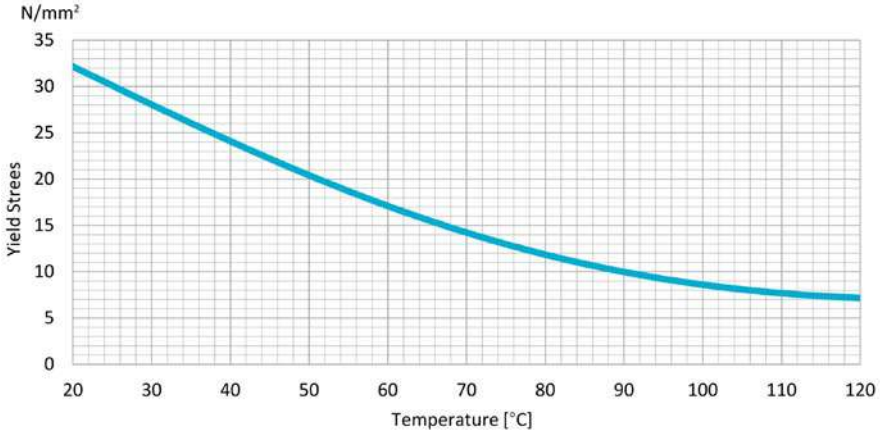
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



YIELD STRESS OF POLYPROPYLENE AS A FUNCTION OF TEMPERATURE



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

TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

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

DIAMETER OF THE BARB
BARB CONNECTORS - POLYPROPYLENE

OD EXTERNAL TUBE	Ø12	Ø16	Ø20	Ø25
ØB - BARB (mm)	11,8	15,1	18,8	23,0
ØD (mm)	9,8	12,9	16,2	20,4



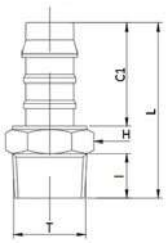
DIAMETER OF THE BARB
BARB CONNECTORS - POLYPROPYLENE - ONLY FOR CODE 5570

OD EXTERNAL TUBE	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø19
ØB - BARB (mm)	8,1	10,2	12,4	13,9	15,9	18,1	21,0
ØD (mm)	6,1	8,1	10,1	11,9	13,8	15,9	18,8



5510 Male barb connector BSPT thread

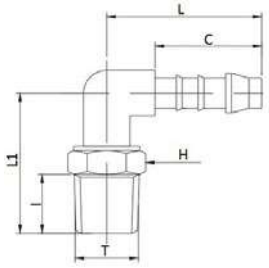




CODE	T	OD	I	C1	L	H	g
5510TR1812	R 1/8"	12	7,5	30,0	44,0	11	2,0
5510TR1412	R 1/4"	12	11,0	30,0	47,7	14	3,0
5510TR3812	R 3/8"	12	10,5	30,0	47,3	17	3,0
5510TR1212	R 1/2"	12	13,0	30,0	50,8	22	3,5
5510TR3412	R 3/4"	12	13,0	30,0	51,4	27	4,0
5510TR1416	R 1/4"	16	10,5	31,0	47,6	14	3,5
5510TR1216	R 1/2"	16	13,0	30,0	51,3	22	5,0
5510TR3416	R 3/4"	16	13,0	28,0	52,0	27	4,5
5510TR1220	R 1/2"	20	13,0	32,5	52,2	22	5,0
5510TR3420	R 3/4"	20	13,0	32,5	54,0	27	7,0
5510TR120	R 1"	20	18,0	32,5	59,0	36	18,0
5510TR1225	R 1/2"	25	13,0	32,5	53,3	22	6,0
5510TR3425	R 3/4"	25	13,0	32,5	54,5	27	8,0
5510TR125	R 1"	25	17,0	32,5	59,0	36	14,0

5520 Male elbow barb connector BSPT thread

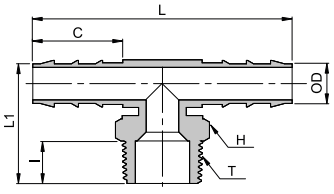




CODE	T	OD	I	C	L	L1	H	g
5520TR1412	R 1/4"	12	11,0	30,0	41,0	32,0	14	3,0
5520TR3812	R 3/8"	12	11,0	30,0	41,0	32,0	14	4,0
5520TR1212	R 1/2"	12	13,0	30,0	41,0	32,0	22	4,5
5520TR3412	R 3/4"	12	13,0	30,0	41,0	36,0	27	5,5
5520TR3816	R 3/8"	16	11,0	30,0	45,0	28,0	22	6,0
5520TR1216	R 1/2"	16	13,0	30,0	43,0	32,0	22	7,0
5520TR3416	R 3/4"	16	13,0	30,0	45,0	34,0	27	8,5
5520TR1220	R 1/2"	20	13,0	32,5	48,0	35,0	22	10,0
5520TR3420	R 3/4"	20	13,0	32,5	48,0	37,0	27	11,0
5520TR1225	R 1/2"	25	13,0	32,5	46,0	37,0	27	12,0
5520TR3425	R 3/4"	25	13,0	32,5	46,0	38,0	27	13,0

5530 Male tee barb connector BSPT thread

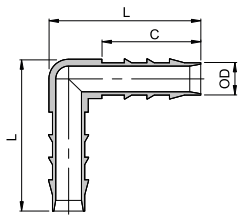




CODE	T	OD	I	C	L	L1	H	g
5530TR1412	R 1/4"	12	11,0	30,0	84,7	34,1	14	3,0
5530TR3812	R 3/8"	12	11,0	30,0	84,9	34,3	22	3,5
5530TR1212	R 1/2"	12	13,0	30,0	84,9	38,4	22	5,0
5530TR3412	R 3/4"	12	14,0	30,0	84,8	38,9	27	6,0
5530TR3816	R 3/8"	16	11,0	30,0	86,2	36,3	17	5,5
5530TR1216	R 1/2"	16	13,0	30,0	86,2	40,0	22	7,5
5530TR3416	R 3/4"	16	14,0	30,0	86,2	41,0	27	8,5
5530TR1220	R 1/2"	20	13,0	32,5	93,7	45,5	22	12,0
5530TR3420	R 3/4"	20	14,0	32,5	93,7	46,6	27	14,5
5530TR1225	R 1/2"	25	13,0	32,5	93,7	47,6	22	16,5
5530TR3425	R 3/4"	25	14,0	32,5	93,8	48,6	27	19,0

5540 Union elbow barb connector

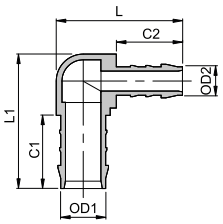




CODE	ØD	C	L	g
5540TR12	12	30,0	48,2	3,0
5540TR16	16	30,0	49,6	5,0
5540TR20	20	32,5	56,8	7,5
5540TR25	25	32,5	58,8	11,0

5545 Reduced union elbow barb connector

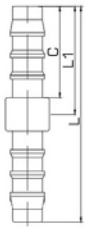




CODE	OD1	OD2	C1	C2	L	L1	g
5545TR1612	16	12	30,0	30,0	51,2	49,5	4,6
5545TR2012	20	12	32,5	30,0	56,4	55,0	7,94
5545TR2016	20	16	32,5	30,0	56,4	54,8	8,7
5545TR2520	25	20	32,5	32,5	58,3	56,4	10,2

5550 Union barb connector

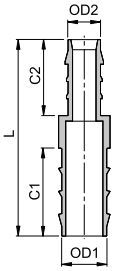




CODE	OD	C	L	L1	g
5550TR12	12	30,0	68,6	34,5	3,0
5550TR16	16	30,0	71,4	36,0	4,0
5550TR20	20	32,5	76,5	38,5	5,0
5550TR25	25	32,5	76,5	38,5	8,0

5555 Reduced union barb connector



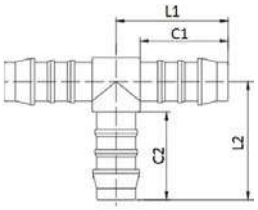


CODE	OD1	OD2	C1	C2	L	g
5555TR1612	16	12	30,0	30,0	71,5	3,7
5555TR2012	20	12	32,5	30,0	74,2	5,45
5555TR2016	20	16	32,5	30,0	74,2	5,6
5555TR2520	25	20	32,5	32,5	76,8	7,3

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5560 Union tee barb connector

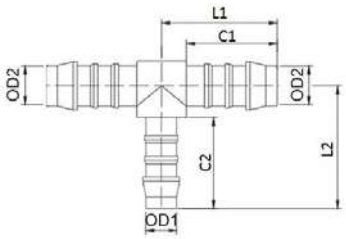




CODE	OD	C1	C2	L1	L2	g
5560TR12	12	30,0	30,0	36,3	38,0	3,0
5560TR16	16	30,0	30,0	38,3	40,0	5,0
5560TR20	20	32,5	32,5	42,4	45,0	9,0
5560TR25	25	32,5	32,5	36,4	47,0	13,0

5565 Reduced union tee barb connector

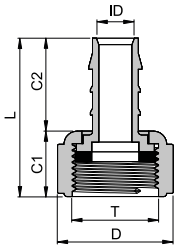




CODE	OD1	OD2	C1	C2	L1	L2	g
5565TR1216	12	16	30,0	30,0	48,2	76,7	3,0
5565TR1620	16	20	30,0	32,5	52,3	84,6	5,0
5565TR2025	20	25	32,5	32,5	58,6	88,7	13,0

5570 Female swivel barb connector BSPP thread with rubber seal



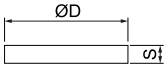


CODE	T	ID	D	C1	C2	L	g
5570TR346	G 3/4"	6	33,5	17,0	21,0	26,7	8,0
5570TR348	G 3/4"	8	33,5	14,5	25,0	30,6	8,5
5570TR18	G 1"	8	39,7	14,5	25,0	30,6	10,0
* 5570TR3810	G 3/8"	10	17,0	16,5	28,0	32,8	7,5
5570TR3410	G 3/4"	10	33,5	16,5	27,0	32,8	9,0
* 5570TR1212	G 1/2"	12	22,0	16,5	28,0	33,7	10,0
5570TR3412	G 3/4"	12	33,5	16,5	28,0	33,7	9,0
5570TR112	G 1"	12	39,7	16,5	27,0	33,7	11,0
5570TR3414	G 3/4"	14	33,5	16,5	30,0	35,0	7,0
5570TR114	G 1"	14	39,7	16,5	30,0	35,0	8,5
5570TR3416	G 3/4"	16	33,5	16,5	30,0	35,7	8,0
5570TR116	G 1"	16	39,7	16,5	30,0	35,7	10,0
5570TR3419	G 3/4"	19	33,5	16,5	31,0	36,8	10,0
5570TR119	G 1"	19	39,7	16,5	31,0	36,8	13,0

* "D" refers to the external wrench

5580 Flat rubber seal for female thread





CODE	T	ØD	S	g
5580TR38	G 3/8"	15,3	2,9	0,6
5580TR12	G 1/2"	18,3	2,5	0,8
5580TR34	G 3/4"	24,7	2,7	0,9
5580TR1	G 1"	31,3	3	1,2

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