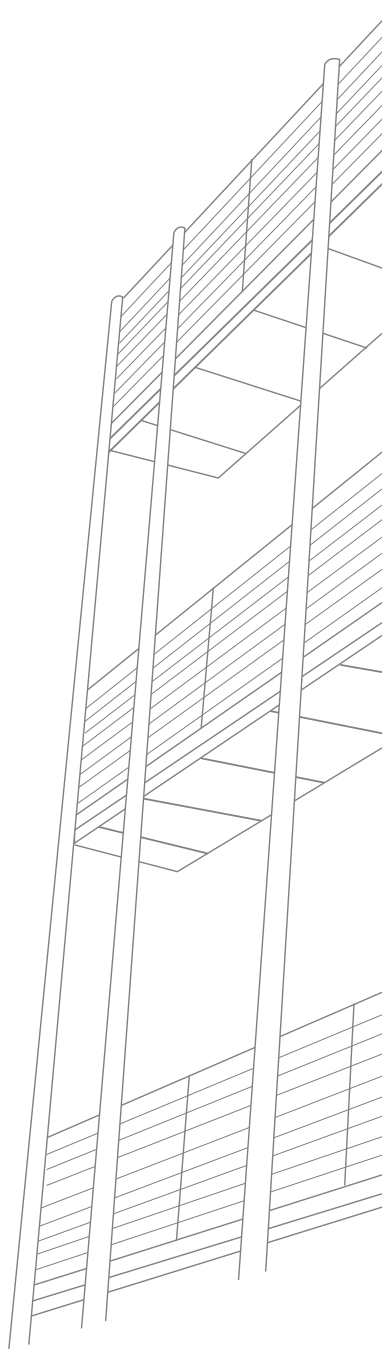


PUSH-LOCK HOSES & FITTINGS







 **TierreGroup**®

 **TierreFittings**®

 **F-Line.PRO**

 **NET.Fit**

 **INOX.Fit**



PUSH-LOCK HOSES & FITTINGS

PLUS

**RESISTANT TO REPEATED FLEXIONS
WITH EXCELLENT BENDING RADIUS**

HIGH ABRASION RESISTANCE

**GOOD OZONE RESISTANCE
(ASR & ASR-PU HOSES)**

**DOES NOT REQUIRE HOSE CLAMP,
WITH CONSIDERABLE REDUCTION
IN ASSEMBLY TIME**

SUITABLE IN COOLING SYSTEMS

**AVAILABLE IN FOUR COLORS
(ASR & ASR-PU HOSES)**

**FULL RANGE OF FITTINGS IN THREE
MATERIALS: BRASS, STEEL AND
STAINLESS STEEL AISI 316L**



PUSH-LOCK HOSES



p. 6 / **ASR**



p. 7 / **ASR-HH**



p. 8 / **ASR-PU**

BRASS FITTINGS



p. 10 / **3467**



p. 10 / **3468**



p. 11 / **3400-SC**



p. 11 / **3440-SC**



p. 12 / **SPHM-R-BS**



p. 12 / **SPHM-N-BS**



p. 12 / **SPHU-BS**

STEEL FITTINGS



p. 14 / **3470**



p. 14 / **3471**



p. 14 / **3472**



p. 15 / **3474**

STAINLESS STEEL AISI 316L FITTINGS



p. 16 / **SPHM-R**



p. 16 / **SPHM-N**

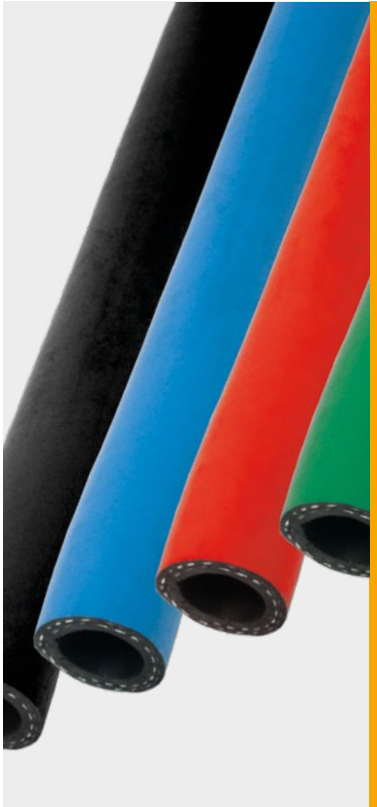



p. 16 / **SPHU**





p. 17 / **SPHA**






 -20°C ÷ +75°C air
0°C ÷ +95°C water
Environment temperature:
-20°C ÷ +95°C

 **Max. working pressure:**
16 Bar

 Compressed air & industrial water

Inner layer:
synthetic rubber

 **Reinforcement:**
high tensile textile layer

Outer layer:
high performance synthetic rubber

FEATURES

- High flexibility
- High abrasion resistance
- 100% silicone free
- Ozone resistance
- For use without hose clamp
- Suitable for the automobile industry, with fluids such as air and water

SILICONE FREE



Products in compliance with the directive 1907/2006



Products in compliance with the directive EU 2015/863





ASR



Rubber push-lock hose - ASR

CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX. WORKING PRESSURE 20°C (Bar)	WEIGHT (g/m)	Q.TY FOR ROLL (m)
ASR06	1/4"	6	6,5 ^{+0,4} _{-0,3}	12,0 - 13,0	45	16	140	40
ASR10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	16	170	40
ASR13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	16	260	40
ASR16	5/8"	16	16,0 ^{+0,7} _{-0,3}	23,4 - 25,0	115	16	340	40
ASR20	3/4"	20	19,3 ±0,5	26,0 - 28,0	135	16	420	40
ASR25	1"	25	25,6 ±0,5	34,0 - 36,0	165	16	640	40

Black color: standard - Blue, Red and Green: available on demand and min. quantity

DN		 Black	 Blue	 Red	 Green
1/4"	6	ASR06NE	ASR06BL	ASR06RO	ASR06VD
3/8"	10	ASR10NE	ASR10BL	ASR10RO	ASR10VD
1/2"	13	ASR13NE	ASR13BL	ASR13RO	ASR13VD
5/8"	16	ASR16NE	ASR16BL	ASR16RO	ASR16VD
3/4"	20	ASR20NE	ASR20BL	ASR20RO	ASR20VD
1"	25	ASR25NE	ASR25BL	ASR25RO	ASR25VD

Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels and hydraulic and lubricating oils. Use our ASR hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsibility. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.





-40 °C ÷ +75 °C air
 0 °C ÷ +120 °C water
 Environment temperature:
 -40 °C ÷ +120 °C



Max. working pressure:
 14 Bar



Compressed air & industrial water



Inner layer:
 synthetic rubber

Reinforcement:
 high tensile textile layer

Outer layer:
 high performance synthetic rubber

FEATURES

- High flexibility
- High abrasion resistance
- 100% silicone free
- For use without hose clamp
- For use in the injection moulding sector and automobile industry for the transport of demineralized water up to 120°C with corrosion inhibitor and air up to 75°C.

SILICONE FREE



Products in compliance with the directive 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863


ASR-HH



Rubber push-lock hose - ASR-HH

CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX. WORKING PRESSURE 20 °C (Bar)	WEIGHT (g/m)	Q.TY FOR ROLL (m)
ASR-HH06	1/4"	6	6,5 ^{+0,4} _{-0,3}	12,0 - 13,0	45	14	125	40
ASR-HH10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	14	150	40
ASR-HH13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	14	235	40
ASR-HH16	5/8"	16	16,0 ^{+0,7} _{-0,3}	23,4 - 25,0	115	14	350	40


* available on demand and min. quantity


DN		 Blue	 Red
1/4"	6	* ASR-HH06BL	ASR-HH06RO
3/8"	10	ASR-HH10BL	ASR-HH10RO
1/2"	13	ASR-HH13BL	ASR-HH13RO
5/8"	16	ASR-HH16BL	ASR-HH16RO


Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels and hydraulic and lubricating oils. Use our ASR-HH hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsibility. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.





 -20°C ÷ +80°C air
0°C ÷ +80°C water
Environment temperature:
-20°C ÷ +80°C

 Working pressure:
See the table
Negative pressure:
See the table

 Compressed air, industrial water and fluids suitable with construction materials

Inner layer:
polyurethane
Reinforcement:
high tensile textile layer
Outer layer:
polyurethane

FEATURES

- High abrasion resistance
- Tear resistance
- 100% silicone free
- UV & ozone resistance
- For use without hose clamp
- Good resistance to mineral oil, oily elements, oxygen, acids and diluted alkaline
- Suitable for individual applications, especially for the robotic and automobile industry for air, water and different gases

SILICONE FREE



Products in compliance with the directive 1907/2006



Products in compliance with the directive EU 2015/863





ASR-PU



Push-lock hose - ASR-PU

CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE 20°C (Bar)	NEGATIVE PRESSURE (Bar)	WEIGHT (g/m)	Q.TY FOR ROLL (m)
ASR-PU06	1/4"	6	6,4	13	25	13	0,8	110	50
ASR-PU10	3/8"	10	9,5	16	60	13	0,8	154	50
ASR-PU13	1/2"	13	12,5	19	75	13	0,8	218	50
ASR-PU16	5/8"	16	16,5	23	125	12	0,8	280	50
ASR-PU20	3/4"	20	19,5	27	150	10	0,8	325	50

Black color: standard - Blue, Red and Green: available on demand and min. quantity

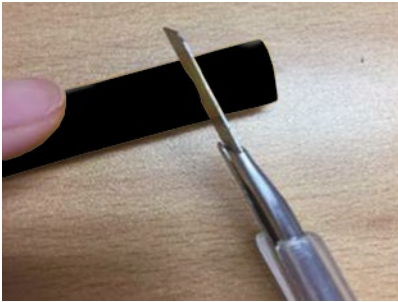
DN		 Black	 Light Blue	 Red	 Green
1/4"	6	ASR-PU06NE	ASR-PU06AZ	ASR-PU06RO	ASR-PU06VD
3/8"	10	ASR-PU10NE	ASR-PU10AZ	ASR-PU10RO	ASR-PU10VD
1/2"	13	ASR-PU13NE	ASR-PU13AZ	ASR-PU13RO	ASR-PU13VD
5/8"	16	ASR-PU16NE	ASR-PU16AZ	ASR-PU16RO	ASR-PU16VD
3/4"	20	ASR-PU20NE	ASR-PU20AZ	ASR-PU20RO	ASR-PU20VD

Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels. Use our ASR-PU hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsibility. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.

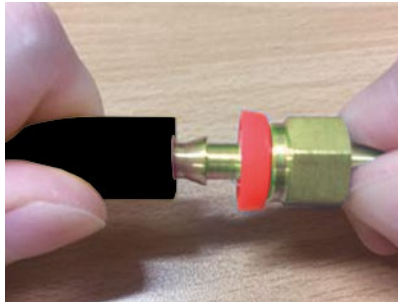


ASSEMBLY INSTRUCTIONS

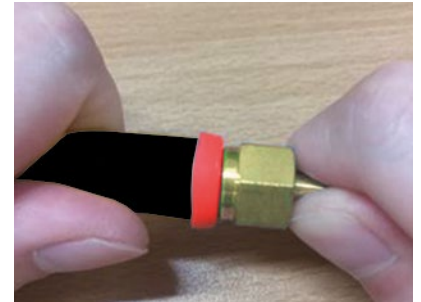
HOW TO ASSEMBLY



1. Cut the hose vertically and leave its end clean.



2. Insert the barb connector into the hose (use soapy water to lubricate and make the insertion easier).



3. Insert the fitting into the hose till the end of the plastic cap.

4. Ensure that the hose is completely inserted.

HOW TO DISASSEMBLY



1. Cut the hose lengthwise from the plastic cap to the end of the barb.

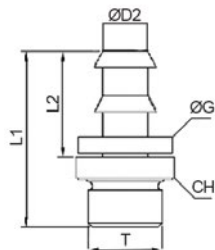


2. Bend the hose to expose the barbs, then remove the hose pulling.



3467

Male barb connector BSPP thread



CODE	DN	T	ØD2	L1	L2	ØG	CH	WEIGHT (g)
3467TR1814	1/4"	6	G 1/8"	4,0	31,5	20,0	14,0	13
3467TR1414	1/4"	6	G 1/4"	4,0	35,0	20,0	14,0	17
3467TR1438	3/8"	10	G 1/4"	7,5	39,1	24,1	17,0	17
3467TR3838	3/8"	10	G 3/8"	7,5	42,5	24,1	17,0	22
3467TR3812	1/2"	13	G 3/8"	10,0	46,5	28,0	20,5	22
3467TR1212	1/2"	13	G 1/2"	10,0	48,5	28,0	20,5	27
3467TR1258	5/8"	16	G 1/2"	13,5	56,5	36,5	24,0	27
3467TR3434	3/4"	20	G 3/4"	16,0	65,3	43,0	27,0	32

2605

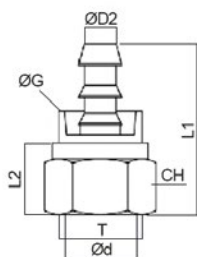
Metal-nitrile composite gasket



CODE	2605TR18	2605TR14	2605TR38	2605TR12	2605TR34	2605TR1
THREADS	1/8"	1/4"	3/8"	1/2"	3/4"	1"

3468

Swivel female barb connector for universal fittings

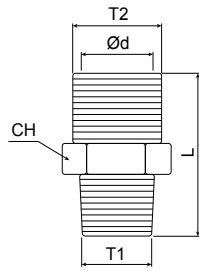


CODE	DN	T	ØD2	Ød	L1	L2	ØG	CH	WEIGHT (g)
3468TRM1014	1/4"	6	M10x1	4,0	6	33,5	11,0	14,0	13
3468TRM1214	1/4"	6	M12x1	4,8	8	34,5	13,0	14,0	14
3468TRM1614	1/4"	6	M16x1,5	4,8	10	35,8	15,0	14,0	19
3468TRM1638	3/8"	10	M16x1,5	7,5	10	39,3	15,0	17,0	19
3468TRM2038	3/8"	10	M20x1,5	7,5	14	39,3	15,0	17,0	24
3468TRM2012	1/2"	13	M20x1,5	10,0	14	44,0	15,0	20,5	24
3468TRM2212	1/2"	13	M22x1,5	10,0	16	45,0	17,0	20,5	27
3468TRM2412	1/2"	13	M24x1,5	10,0	18	47,0	18,0	20,5	30
3468TRM2458	5/8"	16	M24x1,5	13,5	18	55,0	18,0	24,0	30
3468TRM3034	3/4"	20	M30x1,5	16,0	22	62,0	18,5	27,0	36
3468TRM361	1"	25	M36x1,5	22,0	28	71,3	21,0	36,5	42

Item 3468 can be combined with our Yellow Brass Compression Fittings range (Tierre Fittings catalogue pag. 233) in order to obtain elbows, tees, etc. Refer to Ød in order to chose the right combination.

3400-SC

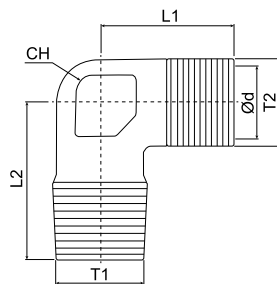
Brass straight male adapter BSPT thread



CODE	T1	T2	Ød	L	CH	WEIGHT (g)
3400TR186-SC	R 1/8"	M10x1	6	19,0	11	8,0
3400TR146-SC	R 1/4"	M10x1	6	22,5	14	14,0
3400TR188-SC	R 1/8"	M12x1	8	19,5	13	9,0
3400TR148-SC	R 1/4"	M12x1	8	23,0	14	14,0
3400TR388-SC	R 3/8"	M12x1	8	24,5	17	22,0
3400TR1810-SC	R 1/8"	M16x1,5	10	23,5	17	20,0
3400TR1410-SC	R 1/4"	M16x1,5	10	27,0	17	24,0
3400TR3810-SC	R 3/8"	M16x1,5	10	27,5	17	32,0
3400TR1210-SC	R 1/2"	M16x1,5	10	32,0	22	43,0
3400TR1414-SC	R 1/4"	M20x1,5	14	27,0	22	34,0
3400TR3814-SC	R 3/8"	M20x1,5	14	27,5	22	35,0
3400TR1214-SC	R 1/2"	M20x1,5	14	32,0	22	44,0
3400TR1216-SC	R 1/2"	M22x1,5	16	32,5	24	51,0
3400TR1218-SC	R 1/2"	M24x1,5	18	34,5	27	63,0
3400TR3418-SC	R 3/4"	M24x1,5	18	35,0	27	74,0
3400TR1222-SC	R 1/2"	M30x1,5	22	36,0	32	93,0
3400TR3422-SC	R 3/4"	M30x1,5	22	36,0	32	98,0
3400TR122-SC	R 1"	M30x1,5	22	41,0	36	135,0
3400TRR128-SC	R 1"	M36x1,5	28	46,0	41	160,5

3440-SC

Brass male elbow adapter BSPT thread

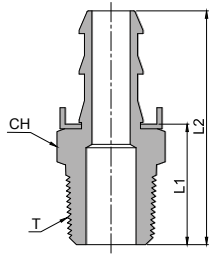


CODE	T1	T2	Ød	L1	L2	CH	WEIGHT (g)
3440TR186-SC	R 1/8"	M10x1	6	17,6	18,0	8	12,0
3440TR146-SC	R 1/4"	M10x1	6	17,6	21,5	10	21,0
3440TR188-SC	R 1/8"	M12x1	8	22,4	18,5	10	18,0
3440TR148-SC	R 1/4"	M12x1	8	22,4	22,0	10	22,0
3440TR388-SC	R 3/8"	M12x1	8	22,4	24,0	12	33,0
3440TR1410-SC	R 1/4"	M16x1,5	10	24,0	25,0	12	31,0
3440TR3810-SC	R 3/8"	M16x1,5	10	24,0	25,0	12	42,0
3440TR1210-SC	R 1/2"	M16x1,5	10	28,8	32,0	19	88,0
3440TR3814-SC	R 3/8"	M20x1,5	14	28,0	30,0	19	70,0
3440TR1214-SC	R 1/2"	M20x1,5	14	28,0	32,0	19	74,0
3440TR3816-SC	R 3/8"	M22x1,5	16	31,2	30,0	19	87,0
3440TR1216-SC	R 1/2"	M22x1,5	16	31,2	33,5	19	69,0
3440TR1218-SC	R 1/2"	M24x1,5	18	32,8	35,5	23	109,0
3440TR3418-SC	R 3/4"	M24x1,5	18	32,8	36,5	23	145,0
3440TR3422-SC	R 3/4"	M30x1,5	22	40,0	40,0	27	203,0
3440TR122-SC	R 1"	M30x1,5	22	40,0	44,0	27	231,0
3440TR128-SC	R 1"	M36x1,5	28	43,2	48,0	32	254,0



SPHM-R-BS

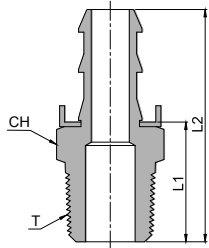
Male barb connector BSPT



CODE	DN		T	CH	L1	L2	WEIGHT (g)
SPHM-4-4R-BS	1/4"	6	R 1/4"	15	22,9	42,7	24,0
SPHM-6-4R-BS	3/8"	10	R 1/4"	15	22,9	45,0	27,0
SPHM-6-6R-BS	3/8"	10	R 3/8"	18	24,6	46,7	27,0
SPHM-8-8R-BS	1/2"	12	R 1/2"	22	28,7	55,6	76,0
SPHM-12-12R-BS	3/4"	20	R 3/4"	27	33,8	76,0	143,0
SPHM-16-16R-BS	1"	25	R 1"	35	38,6	85,6	255,0

SPHM-N-BS

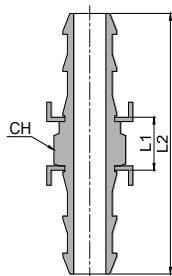
Male barb connector NPT



CODE	DN		T	CH	L1	L2	WEIGHT (g)
SPHM-4-4N-BS	1/4"	6	N 1/4"	15	22,9	42,7	24,0
SPHM-6-4N-BS	3/8"	10	N 1/4"	15	22,9	45,0	27,0
SPHM-6-6N-BS	3/8"	10	N 3/8"	18	24,6	46,7	27,0
SPHM-8-8N-BS	1/2"	12	N 1/2"	22	28,7	55,6	76,0
SPHM-12-12N-BS	3/4"	20	N 3/4"	27	33,8	76,0	143,0
SPHM-16-16N-BS	1"	25	N 1"	35	38,6	85,6	255,0

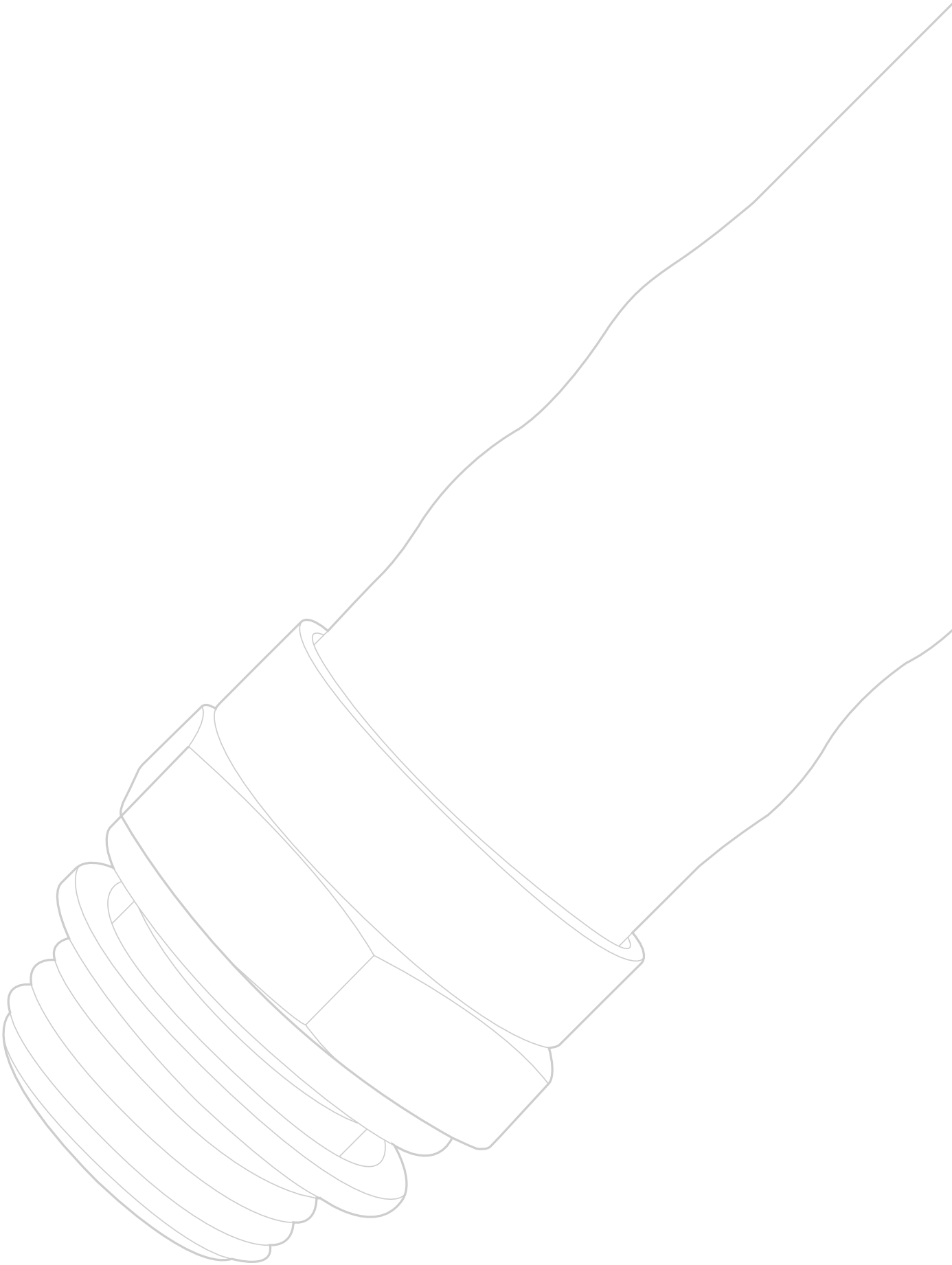
SPHU-BS

Union barb connector



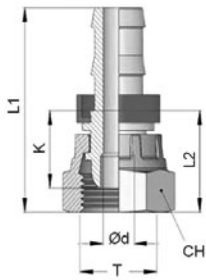
CODE	DN		CH	L1	L2	WEIGHT (g)
SPHU-4-4-BS	1/4"	6	11	10,7	50,3	-
SPHU-6-6-BS	3/8"	10	15	13,2	57,4	-
SPHU-8-8-BS	1/2"	12	18	13,7	67,5	-
SPHU-12-12-BS	3/4"	20	24	14,3	98,7	-
SPHU-16-16-BS	1"	25	32	16,5	110,5	-





3470

Straight swivel female ogival seat 60°C BSPP thread

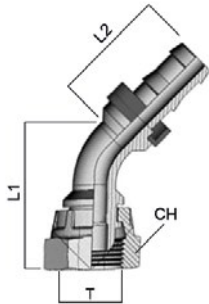


CODE	DN	Ød	T	L1	L2	K	CH	WEIGHT (g)
3470TR14	1/4"	6	4,0	G 1/4"	37,2	17,9	13,2	19
3470TR38	3/8"	10	7,0	G 3/8"	44,2	21,7	14,2	22
3470TR12	1/2"	12	9,5	G 1/2"	51,2	28,5	22,5	27
* 3470TR34	3/4"	20	14,5	G 3/4"	68,2	39,2	27,6	32
* 3470TR1	1"	25	20,0	G 1"	74,0	38,4	28,4	41

* 3/4" and 1" without plastic collar

3471

Swivel elbow 45°, female ogival seat 60° BSPP thread

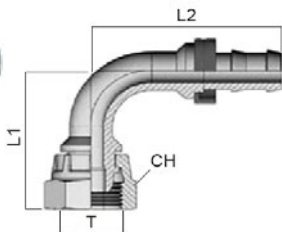


CODE	DN	T	L1	L2	CH	WEIGHT (g)
3471TR14	1/4"	6	G 1/4"	39,5	25,0	19
3471TR38	3/8"	10	G 3/8"	51,0	31,0	22
3471TR12	1/2"	12	G 1/2"	64,5	36,0	27
* 3471TR34	3/4"	20	G 3/4"	88,5	51,0	32
* 3471TR1	1"	25	G 1"	88,5	73,5	46

* 3/4" and 1" without plastic collar

3472

Swivel elbow 90°, female ogival seat 60° BSPP thread



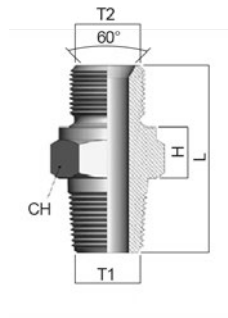
CODE	DN	T	L1	L2	CH	WEIGHT (g)
3472TR14	1/4"	6	G 1/4"	29,5	40,0	19
3472TR38	3/8"	10	G 3/8"	42,0	53,5	22
3472TR12	1/2"	12	G 1/2"	50,0	62,5	27
* 3472TR34	3/4"	20	G 3/4"	69,0	90,0	32
* 3472TR1	1"	25	G 1"	86,5	105,0	40

* 3/4" and 1" without plastic collar



3474

Straight adapter BSPT thread with ogival seat 60°C

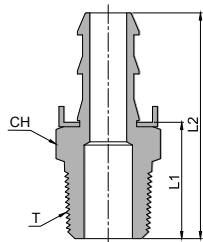


CODE	T1	T2	L	H	CH	WEIGHT (g)
3474TR14	R 1/4"	G 1/4"	33,0	8	19	31,0
3474TR38	R 3/8"	G 3/8"	39,0	11	22	50,0
3474TR12	R 1/2"	G 1/2"	43,0	10	27	86,0
3474TR34	R 3/4"	G 3/4"	46,5	11	32	144,0
3474TR1	R 1"	G 1"	56,0	13	41	236,0



SPHM-R

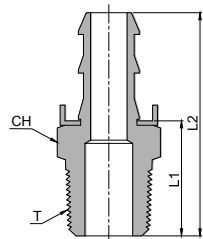
Male barb connector BSPT



CODE	DN		T	CH	L1	L2	WEIGHT (g)
SPHM-4-4R	1/4"	6	R 1/4"	15	22,9	42,7	21,0
SPHM-6-4R	3/8"	10	R 1/4"	15	22,9	45,0	25,0
SPHM-6-6R	3/8"	10	R 3/8"	18	24,6	46,7	25,0
SPHM-8-8R	1/2"	12	R 1/2"	22	28,7	55,6	70,0
SPHM-12-12R	3/4"	20	R 3/4"	27	33,8	76,0	130,0
SPHM-16-16R	1"	25	R 1"	35	38,6	85,6	240,0

SPHM-N

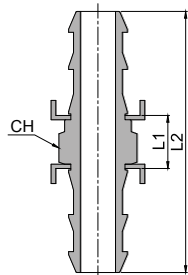
Male barb connector NPT



CODE	DN		T	CH	L1	L2	WEIGHT (g)
SPHM-4-4N	1/4"	6	N 1/4"	15	22,9	42,7	21,0
SPHM-6-4N	3/8"	10	N 1/4"	15	22,9	45,0	25,0
SPHM-6-6N	3/8"	10	N 3/8"	18	24,6	46,7	25,0
SPHM-8-8N	1/2"	12	N 1/2"	22	28,7	55,6	70,0
SPHM-12-12N	3/4"	20	N 3/4"	27	33,8	76,0	130,0
SPHM-16-16N	1"	25	N 1"	35	38,6	85,6	240,0

SPHU

Union barb connector

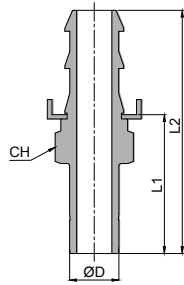


CODE	DN		CH	L1	L2	WEIGHT (g)
SPHU-4-4	1/4"	6	11	10,7	50,3	-
SPHU-6-6	3/8"	10	15	13,2	57,4	27,2
SPHU-8-8	1/2"	12	18	13,7	67,5	-
SPHU-12-12	3/4"	20	24	14,3	98,7	-
SPHU-16-16	1"	25	32	16,5	110,5	-



SPHA

Stem barb connector



CODE	DN		ØD	CH	L1	L2	WEIGHT (g)
SPHA-4-4T	1/4"	6	1/4"	11	25,2	45,0	57,0
SPHA-6-6T	3/8"	10	3/8"	15	29,5	51,6	57,0
SPHA-8-8T	1/2"	12	1/2"	18	35,8	62,7	57,0
SPHA-12-12T	3/4"	20	3/4"	24	37,6	79,8	89,6
SPHA-16-16T	1"	25	1"	32	46,7	93,7	176,5

Item SPHA can be combined with our S-LOK Fittings range (INOX.Fit catalogue) in order to obtain elbows, tees, etc.

Refer to ØD in order to chose the right combination.





Tierre Group S.p.a.

Via dell'Industria, 18 - 20032 Cormano (MI)
Tel. +39 02 663088.1 - Fax +39 02 66304172
www.tierregroup.com - info@tierregroup.com
C.F. e P.IVA 12437570158
Cap. Soc. Euro 120.000,00 i.v. - REA MI-1558390