

**Technical Handbook 2009
Export**

**Compression fittings &
Clamp Saddles**



GEORG FISCHER
PIPING SYSTEMS

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Poly16 Plus Compression Fittings

Technical information

Materials

Body, Thrust ring:

polypropylene copolymer stabilized (PP-B), UV stabilized

Nut:

polypropylene copolymer stabilized (PP-B) with Master Batches UV stabilized (Grade 8, ASTM D2565, 1-8)

Clamp ring:

Acetalic resin (POM)

Gasket:

Food safe rubber (NBR and special NBR KTW approved); 70 sh

Reinforcement ring:

Stainless Steel AISI 430 (for female thread from 1 1/4 to 4")

Colour

Body, Thrust ring, Rubber: black

Nut: blue (RAL 5012)

Clamp ring: white

Standards

For PE pipes:

ISO 11922-1; DIN 8074; EN 12201-1/2; AS/NZS 4130; BS 6572; BS 6730; ISO 4427; UNI 7990; ISO 12162

Threads:

DIN EN 10226-1/2 (ISO 7-1); BS 21; AS 1722.1

Flanges:

DIN 2501.1; DIN 8063-4; ISO 7005-1 - AS/NZS 4331

Tests Standards:

ISO 14236; DIN 8076-3; AS/NZS 4129, BRL K534/03 - UNI EN 712 - UNI EN 713; UNI EN 715; UNI 9561:2006; ISO 3501; ISO 3503; ISO 3458; ISO 3459; SANS 14236

Nominal Pressure PFA(PN):

See single article tables



Fittings should be stored protected from ultraviolet radiations

Working temperature range (C): -10 °+45

Relation between working pressure and temperature

TEMPERATURE (C °)	10°/+25°	+26°/+35°	+36°/+45°
PFA* (PN)	16	12,5	10
PFA* (PN)	12,5	10	8
PFA* (PN)	10	8	6
PFA* (PN)	6	4,5	N.A.

* In accordance with EN805

Sanitary

Compression Fittings suitable for drinking water according to standards and regulation currently in force in Italy (Circolare n. 102 - 02.12.1978 Ministry of Health and DM - 21.03.1973), D.M num. 174 - 06 Aprile 2004, Germany (Mitteilungen aus dem Bundes-gesundheitsamt, 108./109. Mitteilung BGAKTW-D2), United Kingdom (BS6920), Netherlands (KIWA Regulations for ATA), USA (NSF/ANSI 61), Australia (AS/NZS4020).

Finland



South Africa



Germany



Netherlands



Italy



Sweden



Hungary



Australia



Denmark



United Kingdom



Poland



Norway



Switzerland



USA



List of abbreviations

BS	British Standard	DN	Nominal diameter
DIN	Deutsche Industrie-Norm	PFA (PN)	Working pressure allowable
ISO	International Standardization Organization	kg	Weight in kilograms
PP	Polypropylene	R	Conical Male thread
PE	Polyethylene	Rp	Parallel female thread
NBR	Nitrile butadiene rubber	SP	Standard Pack
d	Pipe outside diameter	GP	Gross Pack

Minimum order quantity: GP when indicated, SP otherwise

Poly16 Plus Compression Fittings

Components and detailed notes

A complete range of compression fittings allows assembly on all types of polyethylene pipes (PE HD, PE LD, PE 80, PE 100) and PEX-a with no need to disassemble the fitting. After loosening the nut, the pipe can be inserted directly to the pipe-stop (Push-fit type).

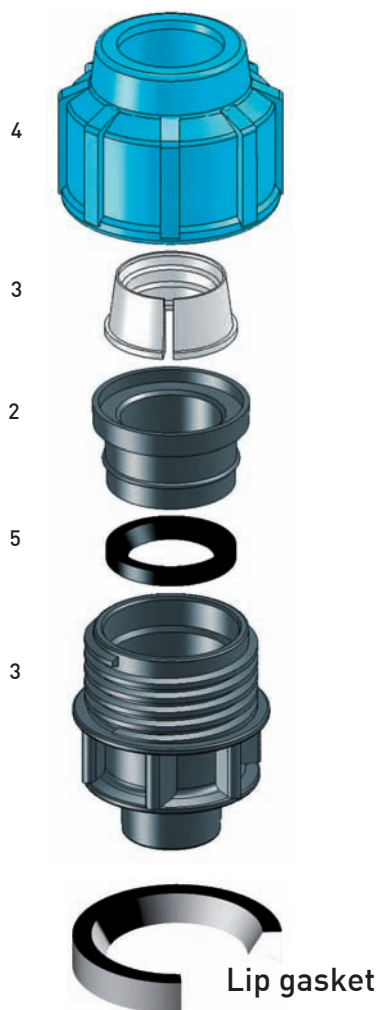
1. The body, in black polypropylene, is designed and manufactured as a unique modular construction with axial reinforcements. The production batch number is marked on the body, ensuring easy traceability.
2. The thrust ring, in polypropylene, applies pressure on the lip gasket after the nut has been tightened allowing an ideal compression of the gasket on the pipe. The thrust ring grips the body so that it cannot be lost in cases where disassembling of the fitting is required.

2.1 **For fittings Ø 75-90-110:** The polypropylene thrust ring defines, while tightening the nut, the compression of the spring gasket (see pt. 5').

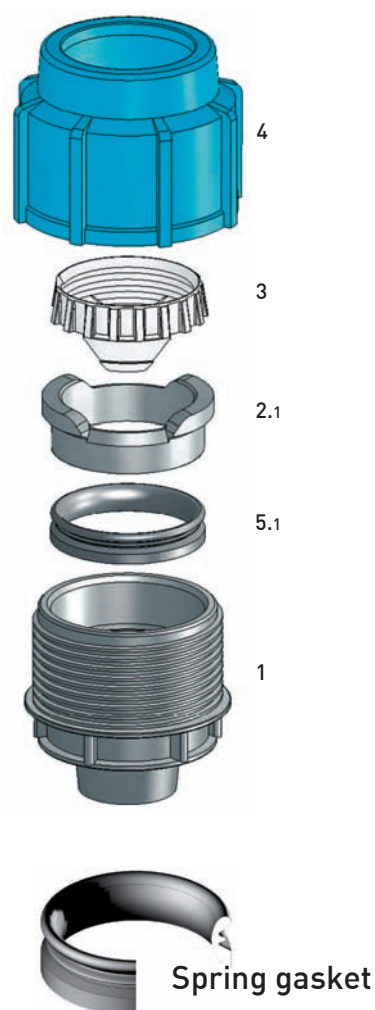
3. The floating split ring, in polyacetal, allows perfect resistance to possible pull-out forces without having a negative impact on the tightness of the fitting.
4. The nut in light blue polypropylene offers an outstanding resistance to impact. The nut is perfectly resistant to UV rays, too.
5. The only fitting with “**prelubricated double lip gasket**” in NBR patented by Georg Fischer allowing to overcome: **ovalized-scratched-undersized pipes**. Thanks to the active sealing system, the double lip gasket guarantees a perfect adherence to the pipe increasing the contact surface. The double lip gasket grants high resistance in case of vacuum and/or suction, too.

5.1 **For fittings Ø 75-90-110:** A fitting with spring gasket that simplifies and speeds up the insertion of the pipe assuring a perfect and constant seal and resistance to the internal pressure even in case of ovalized/scratched-undersized pipes, thanks to the particular shape of the gasket that covers a wide surface of the pipe. The lip-shape of the inferior part of the gasket allows its optimal placing into the seat of the body and the constant keeping of its position during the time granting a high resistance also in case of vacuum and/or suction.

From Ø 16 to Ø 63



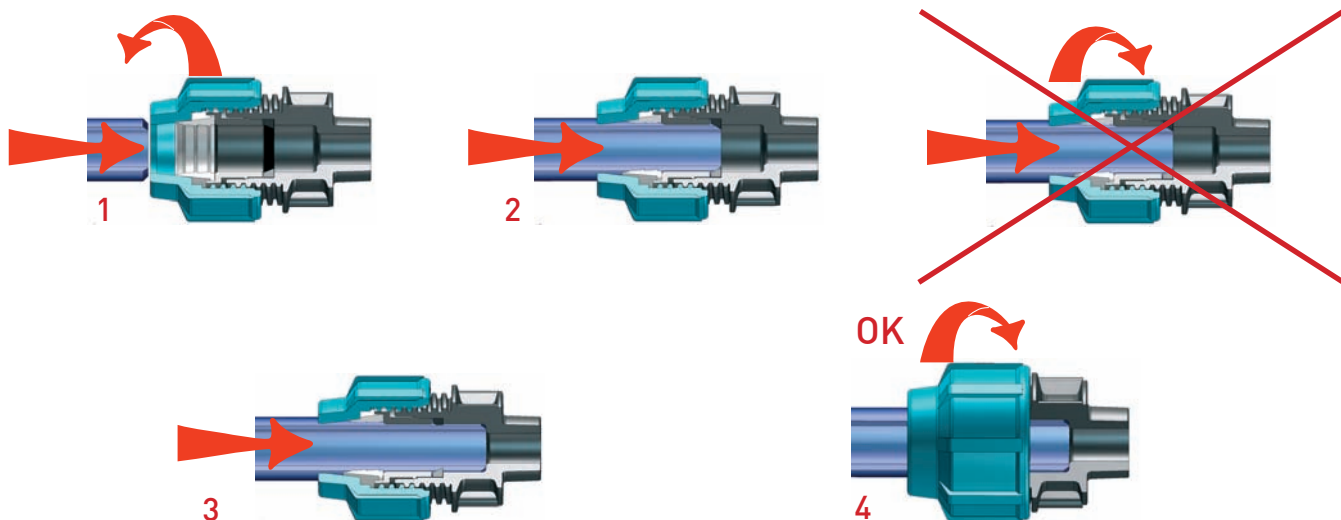
From Ø 75 to Ø 110



Poly16 Plus Compression Fittings Assembly Instructions

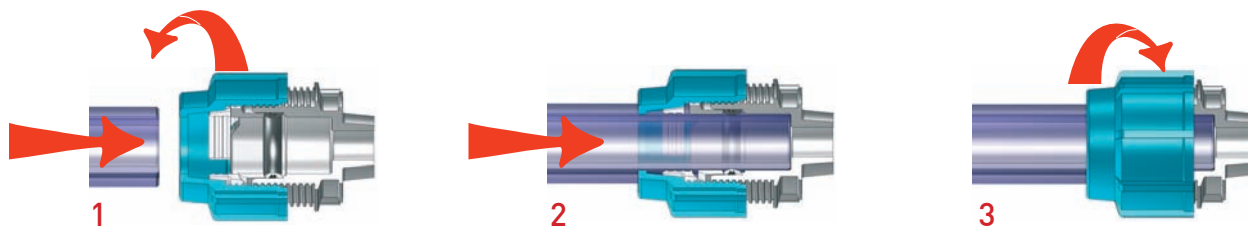
Ø 16 - 63

1. Please check all components (seal, thrust ring, split ring). Cut the pipe square and deburr it. Grease the seal, in case it is dry. Partially unscrew the nut
2. Mark the insert depth on the pipe. Push the fitting on the pipe through the split ring until the first stop, meaning you have reached the seal.
3. Push the pipe through the seal until you reach the pipe stop of the fitting.
4. Tighten the nut as tightly as possible. Tightening with Poly16 Plus dedicated wrench recommended up to size 40.

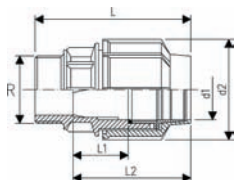


Ø 75 - 110

1. Please check all components (gasket, thrust ring, split ring). Cut the pipe square and deburr it. No chamfering. Partially unscrew the nut.
2. Push the fitting on the pipe until you have reached the pipe stop.
3. Tighten the nut as tightly as possible with a Poly16 Plus wrench, or a special wrench for fittings.



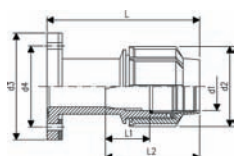
POLY16 Plus COMPRESSION FITTINGS



Male adaptor

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: blue-black

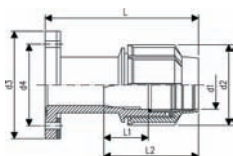
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	1/2	16	727 926 329	25	350	0.045	22	46	76	20	58	
16	3/4	16	727 926 330	25	325	0.047	22	46	76	20	58	
20	1/2	16	727 926 306	25	350	0.043	22	46	76	16	56	
20	3/4	16	727 926 333	25	325	0.045	22	46	77	15	55	
20	1	16	727 926 332	25	300	0.049	22	46	79	15	55	
25	1/2	16	727 926 337	25	200	0.067	28	57	80	18	62	
25	3/4	16	727 926 307	25	200	0.068	28	57	82	18	62	
25	1	16	727 926 336	25	200	0.070	28	57	86	18	64	
32	3/4	16	727 926 341	25	125	0.103	34	67	89	20	68	
32	1	16	727 926 308	25	125	0.105	34	67	92	20	68	
32	1 1/4	16	727 926 340	25	125	0.107	34	67	94	20	70	
32	1 1/2	16	727 926 339	25	125	0.108	34	67	93	20	68	
40	1	16	727 926 346	70	0	0.207	44	82	113	28	87	
40	1 1/4	16	727 926 309	70	0	0.208	44	82	115	28	87	
40	1 1/2	16	727 926 345	70	0	0.212	44	82	115	27	87	
40	2	16	727 926 347	60	0	0.219	44	82	115	27	87	
50	1	16	727 926 353	40	0	0.278	54	93	125	30	99	
50	1 1/4	16	727 926 352	40	0	0.281	54	93	127	30	99	
50	1 1/2	16	727 926 310	40	0	0.283	54	93	126	30	99	
50	2	16	727 926 351	40	0	0.291	54	93	132	30	99	
63	1 1/2	16	727 926 358	20	0	0.563	65	117	154	41	119	
63	2	16	727 926 311	20	0	0.568	65	117	156	41	119	
63	2 1/2	16	727 926 357	20	0	0.579	65	117	160	41	119	
75	2	16	727 926 364	18	0	0.820	77	134	177	56	138	
75	2 1/2	16	727 926 312	18	0	0.823	77	134	178	56	134	
75	3	16	727 926 363	18	0	0.848	77	134	178	56	136	
90	2	16	727 926 371	8	0	1.390	93	160	205	68	168	
90	2 1/2	16	727 926 372	8	0	1.398	93	160	210	68	168	
90	3	16	727 926 313	8	0	1.414	93	160	210	68	168	
90	4	16	727 926 369	8	0	1.474	93	160	216	68	168	
110	3	16	727 926 376	6	0	1.865	113	181	226	71	178	
110	4	16	727 926 314	6	0	1.908	113	181	231	71	178	



Flanged joint with metal flange

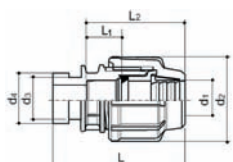
- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- flange: steel
- colour: blue-black

d [mm]	DN [inch]	DN [mm]	PN	Code	SP	GP	kg	
50	1 1/2	40	16	727 706 350	16	0	1.291	
50	2	50	16	727 706 351	16	0	1.241	
63	2	50	16	727 706 311	12	0	1.527	
63	2 1/2	65	16	727 706 357	12	0	1.823	
75	2 1/2	65	16	727 706 312	8	0	1.945	
75	3	80	16	727 706 363	6	0	2.138	



d [mm]	DN [inch]	DN [mm]	PN	Code	SP	GP	kg	
90	3	80	16	727 706 313	5	0	2.744	
90	4	100	16	727 706 369	5	0	2.959	
110	4	100	16	727 706 314	4	0	3.343	

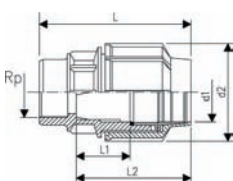
d [mm]	DN [inch]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	
50	1 ½	54	93	150	110	170	36	100	
50	2	54	93	174	125	170	36	100	
63	2	65	117	174	125	193	48	126	
63	2 ½	65	117	185	145	195	48	127	
75	2 ½	78	134	185	145	197	104	185	
75	3	78	134	200	160	197	82	162	
90	3	93	160	200	160	232	65	166	
90	4	93	160	220	181	232	65	166	
110	4	113	181	220	181	239	107	220	



Shouldered adaptor type Victaulic

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

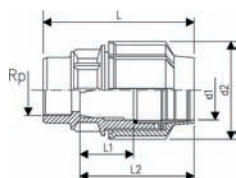
d [mm]	Code	SP	GP	kg	L [mm]	L2 [mm]	d2 [mm]	d1 [mm]	L1 [mm]	d3 [mm]	d4 [mm]	
50	158 001 877	40	0	0.314	140	105	93	53	30	59	66	
63	158 001 878	20	0	0.574	165	130	117	65	50	59	66	
110	158 001 879	6	0	1.867	230	170	181	113	48	112	122	



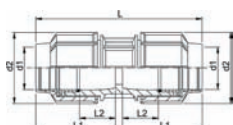
Female adaptor

- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: blue-black

d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	½	16	727 916 329	25	325	0.046	22	46	78	15	54	
16	¾	16	727 916 330	25	300	0.052	22	46	78	13	52	
20	½	16	727 916 306	25	325	0.044	22	46	78	17	58	
20	¾	16	727 916 333	25	300	0.050	22	46	78	16	57	
25	½	16	727 916 337	25	175	0.074	28	57	86	18	61	
25	¾	16	727 916 307	25	175	0.078	28	57	86	18	61	
25	1	16	727 916 336	25	150	0.082	28	57	86	18	61	
32	¾	16	727 916 341	25	125	0.112	34	67	95	20	67	
32	1	16	727 916 308	25	125	0.115	34	67	95	20	67	
* 32	1 ¼	16	727 916 340	25	125	0.142	34	67	96	20	67	
40	1	16	727 916 346	70	0	0.212	44	82	111	28	87	
* 40	1 ¼	16	727 916 309	70	0	0.241	44	82	116	28	87	
* 40	1 ½	16	727 916 345	70	0	0.254	44	82	116	28	87	
* 50	1	16	727 916 353	40	0	0.283	54	93	123	30	99	
* 50	1 ¼	16	727 916 352	40	0	0.314	54	93	129	30	99	
* 50	1 ½	16	727 916 310	40	0	0.324	54	93	128	30	99	
* 50	2	16	727 916 351	40	0	0.365	54	93	133	30	99	
* 63	1 ½	16	727 916 358	20	0	0.610	65	117	158	51	128	
* 63	2	16	727 916 311	20	0	0.656	65	117	161	51	128	



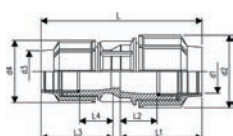
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
* 63	2 ½	16	158 001 728	18	0	0.665	65	117	162	46	122	
* 75	2	16	727 916 364	18	0	0.891	78	134	169	56	136	
* 75	2 ½	16	727 916 312	18	0	0.898	78	134	174	56	136	
* 75	3	10	158 001 729	16	0	0.901	78	134	174	56	136	
* 90	2	16	727 916 371	8	0	1.474	93	160	196	55	155	
* 90	2 ½	16	727 916 372	8	0	1.478	93	160	210	55	155	
* 90	3	10	727 916 313	8	0	1.488	93	160	196	55	155	
* 110	3	10	727 916 376	6	0	1.923	113	181	215	48	170	
* 110	4	10	727 916 314	6	0	1.987	113	181	215	48	170	



Coupling

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

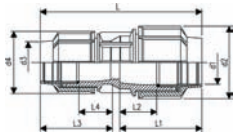
d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	16	727 906 305	25	175	0.081	22	46	114	55	14	
20	16	727 906 306	25	175	0.076	22	46	114	55	14	
25	16	727 906 307	25	100	0.122	28	57	124	62	17	
32	16	727 906 308	25	50	0.183	34	67	136	65	18	
40	16	727 906 309	35	0	0.374	44	80	176	86	27	
50	16	727 906 310	25	0	0.496	54	93	195	96	27	
63	16	727 906 311	15	0	1.007	65	115	248	122	42	
75	16	727 906 312	12	0	1.506	78	134	278	136	54	
90	16	727 906 313	5	0	2.555	93	164	336	167	61	
110	16	727 906 314	3	0	3.505	113	186	381	190	71	



Reducing coupling

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

d-d [mm]	PN	Code	SP	GP	kg	
20 - 16	16	727 906 334	25	175	0.073	
25 - 16	16	727 906 335	25	125	0.095	
25 - 20	16	727 906 337	25	125	0.110	
32 - 20	16	727 906 340	25	75	0.127	
32 - 25	16	727 906 341	25	75	0.166	
40 - 25	16	727 906 347	50	0	0.279	
40 - 32	16	727 906 346	50	0	0.291	
50 - 32	16	727 906 353	25	0	0.328	
50 - 40	16	727 906 352	25	0	0.468	
63 - 32	16	727 906 356	20	0	0.626	
63 - 40	16	727 906 357	20	0	0.582	
63 - 50	16	727 906 358	15	0	0.756	
75 - 50	16	727 906 363	15	0	1.008	
75 - 63	16	727 906 364	12	0	1.229	
90 - 63	16	727 906 371	6	0	1.799	
90 - 75	16	727 906 370	6	0	2.018	
110 - 90	16	727 906 376	4	0	3.011	

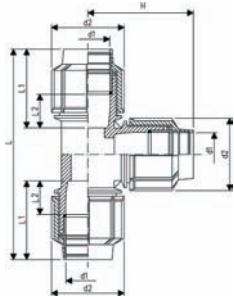


d-d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	
20 - 16	22	46	22	46	116	56	15	56	17	
25 - 16	28	54	22	46	133	63	21	56	17	
25 - 20	28	54	22	46	133	63	21	56	15	
32 - 20	35	64	22	46	130	65	18	56	15	
32 - 25	35	64	28	54	130	65	18	59	18	
40 - 25	44	82	28	54	160	94	34	63	21	
40 - 32	44	82	35	64	164	94	34	66	22	
50 - 32	53	93	35	64	175	103	34	69	25	
50 - 40	53	93	44	82	204	103	34	97	38	
63 - 32	65	115	34	64	210	118	38	80	34	
63 - 40	65	117	44	82	216	117	38	87	30	
63 - 50	65	117	53	93	216	117	38	96	28	
75 - 50	78	134	53	93	237	129	48	100	32	
75 - 63	78	134	65	117	249	129	48	116	37	
90 - 63	93	160	65	117	292	169	61	107	36	
90 - 75	93	160	78	134	366	188	87	175	94	
110 - 90	113	181	93	160	363	188	70	168	61	



90° Tee

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

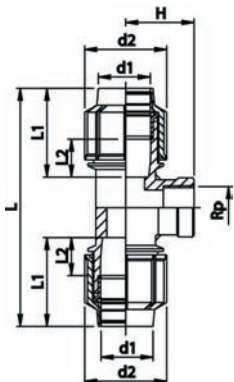


d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
16	16	727 206 305	25	100	0.127	22	46	138	57	13	55	
20	16	727 206 306	25	100	0.121	22	46	138	55	13	55	
25	16	727 206 307	25	50	0.196	28	57	153	60	18	77	
32	16	727 206 308	15	30	0.297	34	67	175	66	20	87	
40	16	727 206 309	20	0	0.609	44	82	238	88	27	118	
50	16	727 206 310	12	0	0.821	53	93	259	96	28	128	
63	16	727 206 311	6	0	1.658	65	117	317	113	35	160	
75	16	727 206 312	5	0	2.400	78	134	360	129	48	180	
90	16	727 206 313	2	0	4.216	93	160	472	183	82	140	
110	16	727 206 314	1	0	5.588	113	181	512	193	80	260	

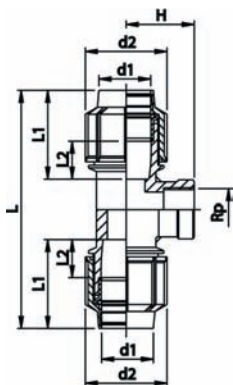


90° Tee with threaded female offtake

- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: blue-black



d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
16	1/2	16	727 216 329	25	125	0.094	22	46	142	57	18	48	
16	3/4	16	727 216 330	25	125	0.099	22	46	142	58	19	53	
20	1/2	16	727 216 306	25	125	0.090	22	46	143	58	18	48	
20	3/4	16	727 216 333	25	125	0.094	22	46	143	58	18	53	
25	1/2	16	727 216 337	25	75	0.150	28	57	153	59	17	52	
25	3/4	16	727 216 307	25	75	0.146	28	57	153	60	18	37	
25	1	16	727 216 336	25	75	0.153	28	57	153	59	17	59	
32	1/2	16	727 216 342	15	45	0.233	34	67	175	66	20	41	
32	3/4	16	727 216 341	15	45	0.223	34	67	175	66	20	41	
32	1	16	727 216 308	15	45	0.229	34	67	175	66	20	43	
* 32	1 1/4	16	727 216 340	15	45	0.258	34	67	175	66	20	46	

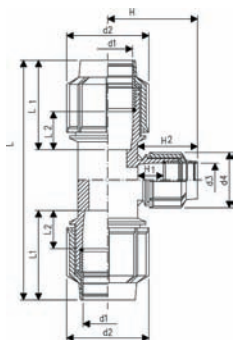


d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
40	¾	16	727 216 347	35	0	0.473	44	82	238	87	27	53	
40	1	16	727 216 346	35	0	0.464	44	82	238	87	27	53	
* 40	1 ¼	16	727 216 309	35	0	0.474	44	82	238	87	27	53	
* 40	1 ½	16	727 216 345	35	0	0.486	44	82	238	83	24	53	
* 50	1	16	727 216 353	22	0	0.612	53	93	260	97	28	63	
* 50	1 ¼	16	727 216 352	22	0	0.666	53	93	260	97	28	63	
* 50	1 ½	16	727 216 310	22	0	0.653	53	93	260	97	28	63	
* 50	2	16	727 216 351	18	0	0.720	53	93	260	97	28	75	
* 63	1 ¼	16	727 216 359	10	0	1.219	65	117	317	113	35	70	
* 63	1 ½	16	727 216 358	10	0	1.207	65	117	317	113	35	70	
* 63	2	16	727 216 311	10	0	1.267	65	117	317	113	35	70	
* 75	2	10	158 001 730	8	0	1.828	78	134	360	129	48	75	
* 75	2 ½	16	727 216 312	8	0	1.808	78	134	360	129	48	75	
* 75	3	10	158 001 731	6	0	1.868	78	134	360	129	48	75	
* 90	3	10	727 216 313	3	0	3.136	93	160	472	183	82	101	
* 110	4	10	727 216 314	2	0	4.173	113	181	512	193	80	115	



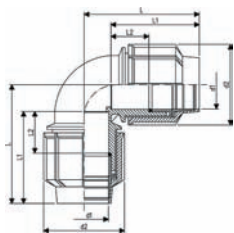
90° Reducing-increasing Tee

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black



d-d-d [mm]	PN	Code	SP	GP	kg	
20 - 16 - 20	16	727 206 334	25	100	0.118	
20 - 25 - 20	16	727 206 335	25	75	0.140	
25 - 20 - 25	16	727 206 337	25	50	0.172	
25 - 32 - 25	16	727 206 338	15	30	0.220	
32 - 25 - 32	16	727 206 341	15	30	0.270	
40 - 32 - 40	16	727 206 346	20	0	0.530	
50 - 32 - 50	16	727 206 353	15	0	0.709	
50 - 40 - 50	16	727 206 352	12	0	0.776	
63 - 32 - 63	16	727 206 357	8	0	1.233	
63 - 50 - 63	16	727 206 358	8	0	1.369	
75 - 63 - 75	16	727 206 364	5	0	2.147	
90 - 75 - 90	16	727 206 366	2	0	3.919	
110 - 90 - 110	16	727 206 367	1	0	5.344	

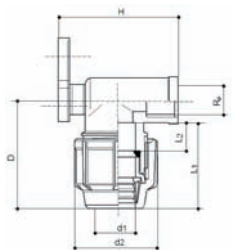
d-d-d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	H1 [mm]	H2 [mm]	
20 - 16 - 20	22	46	22	46	143	58	18	18	57	
20 - 25 - 20	22	46	28	54	144	58	18	17	59	
25 - 20 - 25	28	54	22	46	153	58	17	18	58	
25 - 32 - 25	28	54	35	64	155	59	17	19	65	
32 - 25 - 32	35	64	28	54	173	64	19	21	63	
40 - 32 - 40	44	82	35	64	238	87	27	21	66	
50 - 32 - 50	53	93	35	64	259	96	28	21	68	
50 - 40 - 50	53	93	44	82	259	96	28	38	94	
63 - 32 - 63	65	117	35	64	317	113	35	19	65	
63 - 50 - 63	65	117	53	93	317	113	35	28	90	
75 - 63 - 75	78	134	65	117	360	129	48	35	113	
90 - 75 - 90	93	160	78	134	472	183	48	63	150	
110 - 90 - 110	113	181	93	160	512	193	68	82	180	



90° Elbow

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	16	727 106 305	25	150	0.084	22	46	71	58	18	
20	16	727 106 306	25	150	0.078	22	46	71	58	18	
25	16	727 106 307	25	100	0.125	28	57	77	60	17	
32	16	727 106 308	25	50	0.192	34	67	88	67	20	
40	16	727 106 309	30	0	0.410	44	82	117	86	27	
50	16	727 106 310	20	0	0.551	53	93	128	97	28	
63	16	727 106 311	10	0	1.108	65	117	160	114	35	
75	16	727 106 312	8	0	1.633	78	134	178	129	48	
90	16	727 106 313	3	0	2.915	93	160	235	163	62	
110	16	727 106 314	2	0	3.879	113	181	250	168	57	



Metal wall-plate elbow

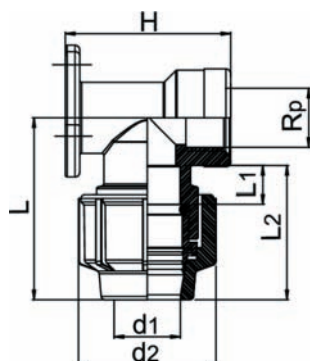
- active sealing system (with thrust ring); double lip gasket;
- suitable for PE and PEX-a pipes
- water PN16
- female thread: ISO 7 (parallel)
- material: Brass
- gasket: NBR quality for drinkable water

d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
20	1/2	16	720 100 206	10	60	0.237	22	46	65	53	12	55	
25	3/4	16	720 100 207	5	30	0.412	28	57	72	57	15	64	



Plastic wall plate elbow

- active sealing system (with thrust ring); double lip gasket;
- suitable for PE and PEX-a pipes
- water PN16
- female thread: ISO 7 (parallel)
- gasket: EPDM quality for drinkable water

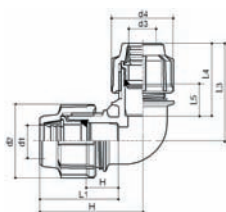


d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
20	1/2	16	158 001 919	10	250	0.053	22	45	62	16	51	52	
25	3/4	16	158 001 920	5	120	0.098	28	56	80	16	63	66	



90° Reducing elbow

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black



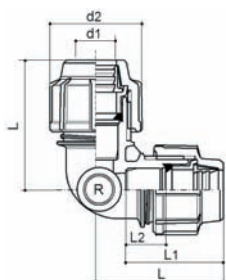
d-d [mm]	PN	Code	SP	GP	kg	
20 - 16	16	158 050 442	25	150	0.081	
25 - 20	16	158 050 443	25	100	0.108	

d-d [mm]	PN	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	
20 - 16	16	22	46	22	46	77	58	18	71	58	18	
25 - 20	16	27	54	22	46	80	65	21	77	58	18	

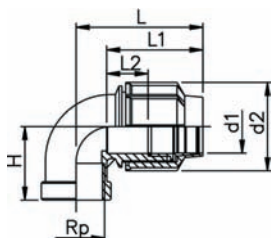


90° Elbow for sprinkler

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: blue-black



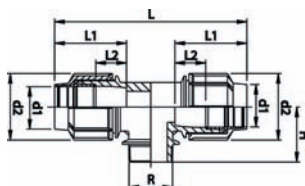
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	1/2	16	158 001 010	25	150	0.086	22	46	71	58	18	
20	1/2	16	158 001 011	25	150	0.082	22	46	71	58	18	
25	1/2	16	158 001 012	25	100	0.129	27	57	77	60	17	
32	1/2	16	158 001 013	25	50	0.197	34	67	88	67	20	
32	3/4	16	158 001 014	25	50	0.198	34	67	88	67	20	



90° Elbow with threaded female offtake

- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: blue-black

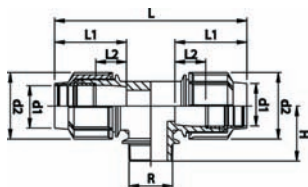
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]
16	1/2	16	727 116 329	25	200	0.061	22	46	71	58	18	50
16	3/4	16	727 116 330	25	200	0.063	22	46	71	58	18	50
20	1/2	16	727 116 306	25	200	0.058	22	46	71	58	18	50
20	3/4	16	727 116 333	25	200	0.061	22	46	71	58	18	50
25	1/2	16	727 116 337	25	150	0.097	28	57	76	60	18	53
25	3/4	16	727 116 307	25	150	0.090	28	57	77	60	18	53
25	1	16	727 116 336	25	125	0.095	28	57	77	60	18	60
32	1/2	16	727 116 342	25	100	0.160	34	67	87	68	22	60
32	3/4	16	727 116 341	25	100	0.152	34	67	87	68	22	60
32	1	16	727 116 308	25	100	0.139	34	67	87	68	22	60
* 32	1 1/4	16	727 116 340	25	75	0.159	34	67	87	68	22	47
40	3/4	16	727 116 347	50	0	0.276	44	82	120	87	27	53
40	1	16	727 116 346	50	0	0.264	44	82	120	87	27	53
* 40	1 1/4	16	727 116 309	50	0	0.272	44	82	120	87	27	53
* 40	1 1/2	16	727 116 345	50	0	0.290	44	82	120	83	23	53
* 50	1	16	727 116 318	30	0	0.347	53	93	130	97	28	62
* 50	1 1/4	16	727 116 319	30	0	0.406	53	93	130	97	28	62
* 50	1 1/2	16	727 116 310	30	0	0.385	53	93	130	97	28	62
* 50	2	16	727 116 351	30	0	0.453	53	93	130	97	28	75
* 63	1 1/4	16	727 116 321	15	0	0.733	65	117	160	114	35	70
* 63	1 1/2	16	727 116 320	15	0	0.718	65	117	160	114	35	70
* 63	2	16	727 116 311	15	0	0.773	65	117	160	114	35	70
* 63	2 1/2	16	158 001 727	15	0	0.773	65	117	160	114	35	70
* 75	2	16	158 001 732	12	0	1.021	78	134	178	129	48	75
* 75	2 1/2	16	727 116 312	12	0	1.046	78	134	178	129	48	75
* 75	3	10	158 001 733	10	0	1.077	78	134	178	129	48	75
* 90	3	10	727 116 313	6	0	1.804	93	160	235	163	62	100
* 110	4	10	727 116 314	3	0	2.435	113	181	250	168	57	116



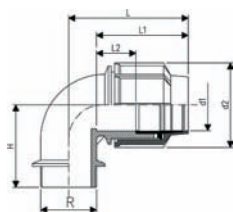
90° Tee with threaded male offtake

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: blue-black

d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]
16	1/2	16	727 226 329	25	125	0.097	22	46	142	58	19	50
16	3/4	16	727 226 330	25	125	0.097	22	46	142	58	19	50
20	1/2	16	727 226 306	25	125	0.087	22	46	143	58	18	50
20	3/4	16	727 226 333	25	125	0.093	22	46	143	58	18	50
25	1/2	16	727 226 337	25	75	0.144	28	54	153	58	17	52
25	3/4	16	727 226 307	25	75	0.144	28	54	153	58	17	54
25	1	16	727 226 336	25	75	0.150	28	54	153	58	17	52
32	3/4	16	727 226 341	15	45	0.221	34	67	175	66	20	60
32	1	16	727 226 308	15	45	0.221	34	67	175	66	20	60
40	3/4	16	727 226 347	30	0	0.444	44	82	238	88	27	82
40	1 1/4	16	727 226 309	30	0	0.466	44	82	238	88	27	73
40	1 1/2	16	727 226 349	30	0	0.460	44	82	238	88	27	73



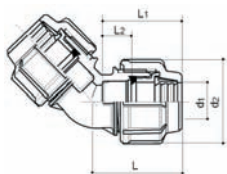
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
50	¾	16	727 226 354	16	0	0.603	53	93	259	96	28	86	
50	1 ¼	16	727 226 355	16	0	0.647	53	93	259	96	28	80	
50	1 ½	16	727 226 310	16	0	0.639	53	93	259	96	28	80	
63	1 ¼	16	727 226 357	8	0	1.169	65	117	317	113	35	80	
63	1 ½	16	727 226 358	8	0	1.185	65	117	317	113	35	80	
63	2	16	727 226 311	8	0	1.170	65	117	317	113	35	82	
63	2 ½	16	727 226 359	8	0	1.195	65	117	317	113	35	85	
75	2 ½	16	727 226 361	7	0	1.790	78	134	360	129	48	105	
75	3	16	158 001 000	6	0	1.807	78	134	360	129	48	105	
90	3	16	158 001 001	2	0	3.283	93	160	472	183	82	132	
110	4	16	158 001 002	2	0	4.309	113	181	512	193	80	145	



90° Elbow with threaded male offtake

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: blue-black

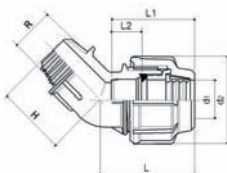
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
16	½	16	727 126 329	25	200	0.056	22	46	71	58	18	50	
16	¾	16	727 126 330	25	200	0.056	22	46	71	58	19	50	
20	½	16	727 126 306	25	200	0.052	22	46	71	58	18	50	
20	¾	16	727 126 333	25	200	0.053	22	46	71	58	18	50	
25	½	16	727 126 337	25	150	0.086	28	57	77	63	21	53	
25	¾	16	727 126 307	25	150	0.086	28	57	77	60	17	53	
25	1	16	727 126 336	25	150	0.080	28	57	77	60	17	53	
32	½	16	727 126 338	25	100	0.127	34	67	88	68	22	60	
32	¾	16	727 126 339	25	100	0.126	34	67	88	68	22	60	
32	1	16	727 126 308	25	100	0.133	34	67	88	68	22	60	
40	1	16	727 126 344	50	0	0.270	44	82	115	83	23	75	
40	1 ¼	16	727 126 309	50	0	0.268	44	82	117	86	27	73	
40	1 ½	16	727 126 345	50	0	0.260	44	82	117	86	27	73	
50	1 ¼	16	727 126 352	35	0	0.383	53	93	128	97	28	78	
50	1 ½	16	727 126 310	35	0	0.379	53	93	128	97	28	80	
63	1 ¼	16	727 126 313	15	0	0.653	65	117	160	114	35	82	
63	1 ½	16	727 126 312	15	0	0.659	65	117	160	114	35	82	
63	2	16	727 126 311	15	0	0.715	65	117	160	114	35	82	
63	2 ½	16	727 126 314	15	0	0.681	65	117	160	114	35	82	
75	2 ½	16	727 126 316	12	0	1.041	77	134	178	129	48	110	
75	3	16	727 126 317	10	0	1.051	77	134	178	129	48	110	
90	3	16	727 126 515	5	0	1.050	93	160	240	170	62	132	
90	4	16	158 001 692	4	0	1.864	93	160	245	165	48	135	
110	3	16	158 001 710	2	0	2.323	113	181	245	175	66	142	
110	4	16	158 001 003	2	0	2.606	113	185	256	180	60	140	



45° Elbow

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

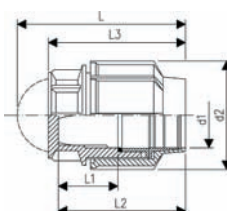
d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
20	16	727 156 306	25	150	0.083	22	46	65	56	14	
25	16	727 156 307	25	100	0.132	28	57	74	60	17	
32	16	727 156 308	25	50	0.200	34	67	82	67	19	
40	16	727 156 309	30	0	0.407	44	82	108	86	27	
50	16	727 156 310	20	0	0.547	53	93	128	99	30	
63	16	727 156 311	10	0	1.087	65	118	150	115	35	



45° Elbow with threaded male offtake

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: blue-black

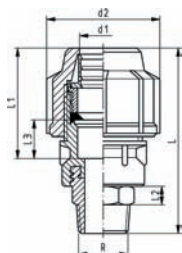
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
20	½	16	727 166 306	25	200	0.050	22	46	65	56	14	41	
25	¾	16	727 166 307	25	150	0.079	28	57	73	60	17	44	
32	1	16	727 166 308	25	75	0.122	34	67	83	66	19	48	
40	1 ¼	16	727 166 309	50	0	0.241	44	82	108	86	27	65	
50	1 ½	16	727 166 310	35	0	0.326	53	93	128	99	30	69	
63	2	16	727 166 311	20	0	0.651	65	118	150	115	30	85	



End cap

- active sealing system (with thrust ring); d16-63 double lip gasket; d75-110 spring gas-
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

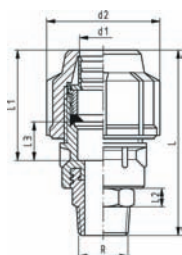
d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
16	16	727 966 305	25	350	0.044	22	46	60	20	60	62	
20	16	727 966 306	25	350	0.041	22	46	69	18	58	62	
25	16	727 966 307	25	200	0.066	28	57	76	18	63	65	
32	16	727 966 308	25	125	0.103	34	67	90	18	70	69	
40	16	727 966 309	60	0	0.211	44	82	112	28	87	93	
50	16	727 966 310	40	0	0.289	54	93	129	30	99	105	
63	16	727 966 311	20	0	0.580	65	117	160	42	122	132	
75	16	727 966 312	18	0	0.838	78	134	180	56	139	147	
90	16	727 966 313	8	0	1.429	93	160	220	68	173	181	
110	16	727 966 314	6	0	1.911	114	182	234	70	184	195	



Male adaptor with threaded metal offtake (nickeled brass)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (cilindric); Nickeled brass
- colour: blue-black

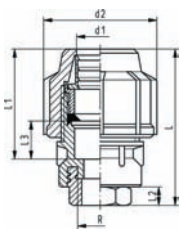
d [mm]	R [inch]	PN	Code	SP	GP	kg	L [mm]	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	L3 [mm]	
* 20	1/2	16	158 001 569	25	0	0.121	94	56	46		22	15	
25	3/4	16	158 001 570	15	0	0.207	115	62	57	15	28	19	
32	3/4	16	158 001 571	12	0	0.238	120	67	67	15	34	20	
32	1	16	158 001 572	12	0	0.335	120	67	67	15	34	20	
32	1 1/4	16	158 001 573	12	0	0.531	120	67	67	15	34	20	
40	1	16	158 001 574	4	0	0.434	146	88	82	15	43	30	
40	1 1/4	16	158 001 575	4	0	0.615	146	88	82	15	43	30	
50	1 1/2	16	158 001 576	3	0	0.735	162	99	93	15	53	30	
63	2	16	158 001 577	2	0	1.188	190	118	118	18	65	42	



Male adaptor with threaded metal offtake (bronze)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (cilindric); Bronze
- colour: blue-black

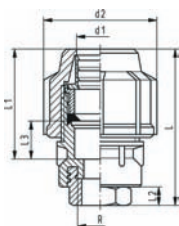
d [mm]	R [inch]	PN	Code	SP	GP	kg	L [mm]	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	L3 [mm]	
* 20	1/2	16	727 926 506	25	0	0.125	94	56	46		22	15	
25	3/4	16	727 926 507	15	0	0.210	115	62	57	15	28	19	
32	3/4	16	727 926 508	12	0	0.241	120	67	67	15	34	20	
32	1	16	727 926 509	12	0	0.356	120	67	67	15	34	20	
32	1 1/4	16	727 926 510	12	0	0.549	120	67	67	15	34	20	
32	1 1/2	16	158 001 015	10	0	0.561	132	69	67	15	34	20	
40	1	16	727 926 511	4	0	0.455	146	88	82	15	43	30	
40	1 1/4	16	727 926 512	4	0	0.633	146	88	82	15	43	30	
40	1 1/2	16	727 926 516	4	0	0.689	150	88	82	15	43	30	
40	2	16	727 926 517	3	0	0.906	160	88	82	18	43	30	
50	1 1/4	16	727 926 513	3	0	0.684	161	99	93	15	53	28	
50	1 1/2	16	727 926 514	3	0	0.749	162	99	93	15	53	30	
63	1 1/2	16	158 001 016	2	0	0.975	185	124	118	15	65	42	
63	2	16	727 926 515	2	0	1.217	190	118	118	18	65	42	



Female adaptor with metal offtake (nickel brass)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel); Nickel brass
- colour: blue-black

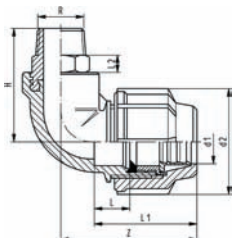
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	L [mm]	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	L3 [mm]	
20	1/2	16	158 001 578	25	0	0.101	80	57	46	0	22	15	
25	3/4	16	158 001 579	15	0	0.170	100	61	57	15	28	18	
32	1	16	158 001 580	12	0	0.289	105	67	67	15	34	20	
40	1 1/4	16	158 001 581	4	0	0.516	130	88	82	15	43	29	
50	1 1/2	16	158 001 582	3	0	0.628	140	98	93	15	53	30	
63	2	16	158 001 583	2	0	1.039	165	118	118	20	65	42	



Female adaptor with metal offtake (bronze)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel); Bronze
- colour: blue-black

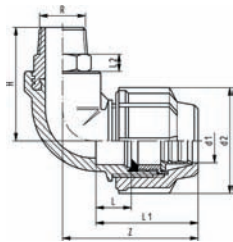
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	L [mm]	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	L3 [mm]	
* 20	1/2	16	727 916 506	25	0	0.105	80	57	46		22	15	
25	3/4	16	727 916 507	15	0	0.170	100	61	57	15	28	18	
32	1	16	727 916 509	12	0	0.298	105	67	67	15	34	20	
40	1 1/4	16	727 916 512	4	0	0.528	130	88	82	15	43	29	
50	1 1/2	16	727 916 513	3	0	0.647	140	98	93	15	53	30	
63	2	16	727 916 514	2	0	1.036	165	118	118	20	65	42	



90° Male elbow with threaded metal offtake (nickel brass)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (cilindric); Nickel brass
- colour: blue-black

d [mm]	R [inch]	PN	Code	SP	GP	kg	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	z [mm]	H [mm]	L [mm]	
* 20	1/2	16	158 001 584	25	0	0.126	55	46		22	65	45	15	
25	3/4	16	158 001 585	13	0	0.218	60	57	15	28	75	60	18	
32	3/4	16	158 001 586	8	0	0.255	70	67	15	34	92	70	23	
32	1	16	158 001 587	8	0	0.358	70	67	15	34	100	70	25	
40	1	16	158 001 588	4	0	0.457	86	82	15	43	123	71	28	
40	1 1/4	16	158 001 589	4	0	0.650	86	82	15	43	123	80	28	



90° Male elbow with threaded metal offtake (bronze)

- (*) without hexagon
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (cilindric); Bronze
- colour: blue-black

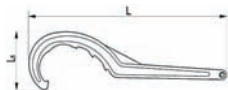
d [mm]	R [inch]	PN	Code	SP	GP	kg	L1 [mm]	d2 [mm]	L2 [mm]	d1 [mm]	z [mm]	H [mm]	L [mm]	
* 20	1/2	16	727 126 506	25	0	0.132	55	46		22	65	45	15	
25	3/4	16	727 126 507	13	0	0.221	60	57	15	28	75	60	18	
32	3/4	16	727 126 508	8	0	0.258	70	67	15	34	92	70	23	
32	1	16	727 126 509	8	0	0.379	70	67	15	34	100	70	25	
32	1 1/2	16	158 001 017	6	0	0.607	68	67	15	34	90	85	23	
40	1	16	727 126 511	4	0	0.478	86	82	15	43	123	71	28	
40	1 1/4	16	727 126 512	4	0	0.668	86	82	15	43	123	80	28	
40	1 1/2	16	727 126 510	4	0	0.734	86	82	15	43	123	71	28	
40	2	16	727 126 514	3	0	0.942	86	82	18	43	123	95	28	
50	1 1/4	16	727 126 513	3	0	0.732	99	93	15	53	130	82	27	
63	1 1/2	16	158 001 018	2	0	1.062	122	118	15	65	163	97	40	

POLY16 PLUS KITS & ACCESSORIES

Metal tightening wrench for POLY16 Plus fittings



- (*) Polypropylene
- also sold as individual pieces



d-d [mm]	Code	SP	GP	kg	L [mm]	L1 [mm]	
* 16 - 32	799 198 097	40	0	0.055	210	75	
40 - 63	799 198 098	4	0	0.400	405	100	
75 - 110	799 198 099	2	0	1.000	550	150	

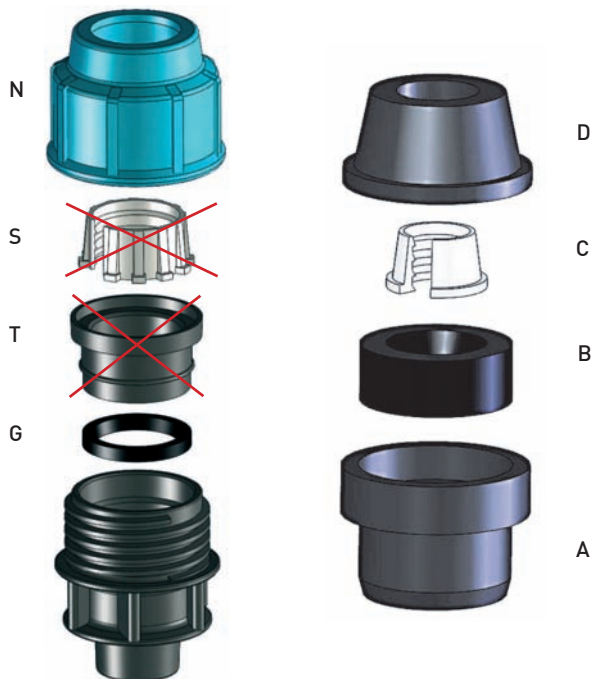


Reducing set

- suitable for PE and PEX-a pipes
- maximum operating pressure PN 16
- material: PP
- gasket: NBR quality for drinkable water
- non-compliance with POLY16 Plus repairing coupling
- (*) Kit type 2 with pipe stop

d-d [mm]	PN	Code	SP	GP	kg	
* 25 - 20	16	727 826 430	1	10	0.021	
* 32 - 20	16	727 826 431	1	10	0.040	
* 32 - 25	16	727 826 432	1	10	0.032	
40 - 20	16	727 826 433	1	8	0.070	
40 - 25	16	727 826 434	1	8	0.075	
* 40 - 32	16	727 826 435	1	8	0.065	
50 - 25	16	727 826 436	1	6	0.101	
50 - 32	16	727 826 437	1	6	0.112	
* 50 - 40	16	727 826 438	1	6	0.104	
63 - 25	16	727 826 439	1	5	0.178	
63 - 32	16	727 826 440	1	5	0.195	
63 - 40	16	727 826 441	1	5	0.195	
* 63 - 50	16	727 826 442	1	5	0.192	

Poly16 Plus Reduction Kit Type 1 Assembly instructions

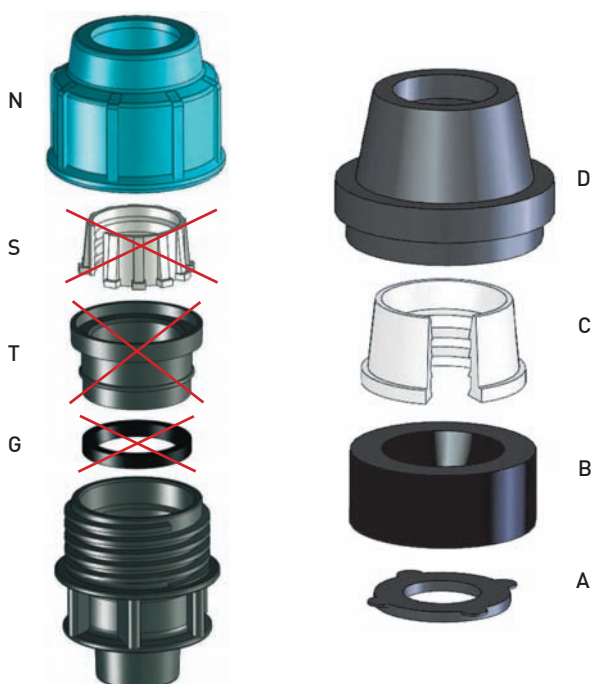


Starting from a POLY16 PLus fitting ISO/DIN standard

1. Remove the nut (N) from the body.
2. Remove the components S and T leaving the gasket G.
3. Insert component A until you reach the pipe stop.
4. Insert component B.
5. Lubricate component B.
6. Insert component C.
7. Insert component D.
8. Put the nut (N) back on the body, loose.
9. Installation according to the Poly16 Plus instructions manual.

Suitable for the whole Poly16 Plus range, repairing coupling except

Poly16 Plus Reduction Kit Type 2 Assembly instructions



Starting from a POLY16 PLus fitting ISO/DIN standard

1. Remove the nut (N) from the body.
2. Remove all internal components (S, T and G).
3. Insert component A .
4. Insert component B.
5. Lubricate component B.
6. Insert component C.
7. Insert component D.
8. Put the nut (N) back on the body, loose.
9. Installation according to the Poly16 Plus instructions manual

Suitable for the whole Poly16 Plus range, repairing coupling except



Grip ring in stainless steel for PVC-U and ABS pipes

- with PVC-U pipe: maximum operating pressure PN16
- with ABS pipe: maximum operating pressure PN10
- material: stainless steel AISI304
- non-compliance with POLY16 Plus repairing coupling

d [mm]	Code	SP	GP	kg	
20	727 826 415	1	25	0.001	
25	727 826 416	1	25	0.003	
32	727 826 417	1	25	0.004	
40	727 826 418	1	25	0.006	
50	727 826 419	1	25	0.010	
63	727 826 420	1	25	0.025	

Poly16 Plus Grip Ring in stainless steel for PVC-U and ABS pipes Assembly instructions



Starting from a POLY16 Plus fitting ISO/DIN standard

1. Remove the nut (N) .
2. Insert the stainless steel ring (R) between thrust ring (T) and split ring (S).
- Note: The metal teeth have to be down oriented.**
3. Put the nut (N) back on the body.
4. Verify with a finger if the ring is in central position.
5. Installation according to the Poly16 Plus instruction manual

- Suitable for the whole Poly16 Plus range, repairing coupling except.

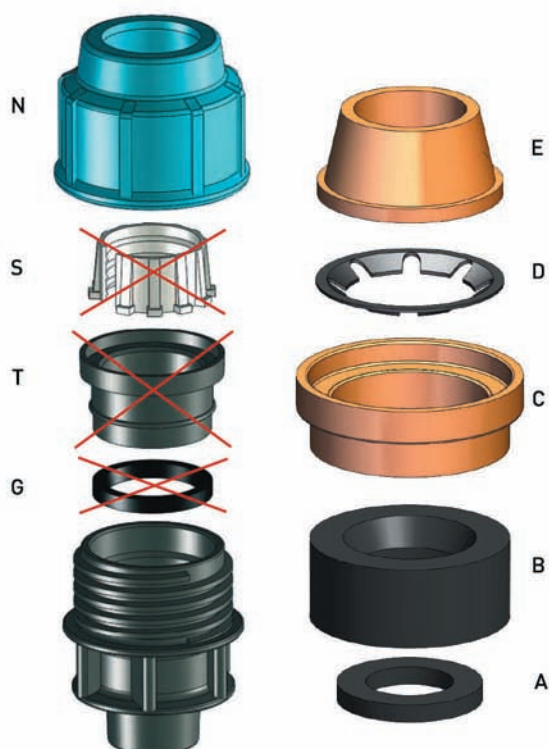


Kit for copper pipe DIN BS EN 1057 pull out resistance

- maximum operating pressure PN 16
- gasket: NBR; grip ring in stainless steel (AISI304); PP
- non-compliance with POLY16 Plus repairing coupling

d fitting [mm]	d copper pipe [mm]	PN	Code	SP	GP	kg	
20	15	16	727 826 400	1	15	0.016	
25	22	16	727 826 401	1	15	0.023	
32	28	16	727 826 402	1	12	0.028	

Poly16 Plus Kit for Copper Pipes Assembly instructions



Starting from a POLY16 Plus fitting ISO/DIN standard

1. Remove the nut [N] .
2. Remove all internal components [S, T and G].
3. Insert component A.
4. Insert component B.
5. Lubricate component B.
6. Insert component C.
7. Insert component D.

Note: the metal teeth have to be down oriented.

8. Insert component E.
9. Put the nut [N] back on the body, loose.
10. Installation according to the Poly16 Plus instruction manual

- *For copper pipe according to DIN BS EN 1057*
- *Suitable for the whole Poly16 Plus range, repairing coupling except.*



Kit consisting of PVC-C Split ring and FPM (Viton) gasket

- suitable for PE and PEX-a pipes
- maximum operating pressure PN 16
- (*) with thrust ring
- non-compliance with POLY16 Plus repairing coupling

d [mm]	PN	Code	SP	GP	kg
20	16	727 826 506	1	25	0.004
25	16	727 826 507	1	25	0.006
32	16	727 826 508	1	25	0.010
40	16	727 826 509	1	25	0.022
50	16	727 826 510	1	25	0.029
63	16	727 826 511	1	25	0.072
* 75	10	727 826 512	1	25	0.088
* 90	10	727 826 513	1	25	0.134
* 110	10	727 826 514	1	25	0.194

Poly16 Plus Kit PVC-C/FPM (Viton) Assembly instructions

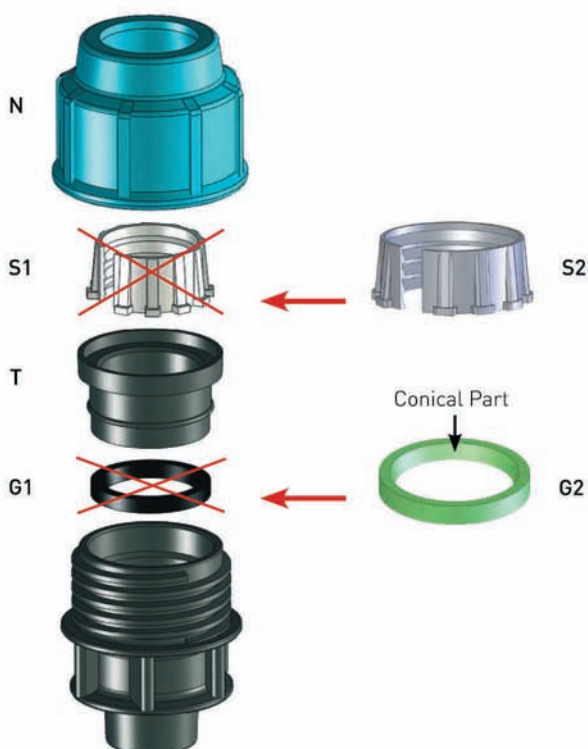
Starting from a POLY16 Plus fitting ISO/DIN standard

1. Remove the nut (N), the split ring (S1), the thrust ring (T) and the gasket (G1), maintaining the correct assembly order
2. Substitute the standard white split ring (S1) and the standard black gasket (G1) with the corresponding kit components: PVC-C split ring (S2) and FPM/Viton gasket (G2)

Reassemble the components as follows:

1. Insert the green gasket (G2) into the fitting body so that the conical part is visible (see picture)
2. Lubricate the conical part of the gasket
3. Re-insert the thrust ring (T) ensuring that the wider part is uppermost, (for diameters up to 50 ensure that it fits into place correctly).
4. Insert the grey split ring (S2), ensuring that the wider part lays on the thrust ring (T)
5. Put the nut (N) back on the body, loose.
6. Installation according to the Poly16 Plus instructions manual

- *Kit suitable for the whole Poly 16 Plus range, repairing coupling except.*



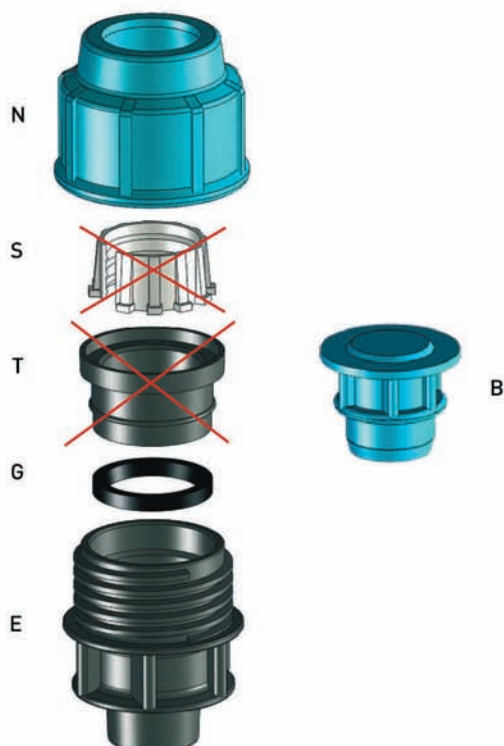


Blanking plug

- maximum operating pressure PN 16
- material: PP

d [mm]	PN	Code	SP	GP	kg	
20	16	158 050 437	10	300	0.007	
25	16	158 050 438	10	250	0.009	
32	16	158 050 439	10	180	0.015	
40	16	158 050 440	10	80	0.036	
50	16	158 050 441	10	60	0.054	

Poly16 Plus Blanking Plug Assembly instructions



Starting from a POLY16 Plus fitting ISO/DIN standard

1. Unscrew the nut (N)
2. Remove the components (S + T), leaving the gasket (G) inside the body (E).
3. Fit in the blanking plug (B).
4. Mechanically tighten the nut (N).

- *Suitable for the whole Poly 16 Plus range, repairing coupling except.*

POLY16 Plus SPARE PARTS



Split ring

- also sold as individual pieces

d [mm]	Code	SP	GP	kg	
16	727 826 405	5000	0	0.003	
20	727 826 406	5000	0	0.003	
25	727 826 407	3000	0	0.004	
32	727 826 408	2000	0	0.006	
40	727 826 409	900	0	0.014	
50	727 826 410	600	0	0.018	
63	727 826 411	200	0	0.044	
75	727 826 421	150	0	0.078	
90	727 826 422	150	0	0.078	
110	727 826 423	80	0	0.098	



Gasket

- also sold as individual pieces

d [mm]	Code	SP	GP	kg	
16	745 416 405	10000	0	0.001	
20	745 416 406	10000	0	0.001	
25	745 416 407	10000	0	0.002	
32	745 416 408	3000	0	0.004	
40	745 416 409	2000	0	0.008	
50	745 416 410	1500	0	0.011	
63	745 416 411	600	0	0.019	
75	745 416 400	400	0	0.020	
90	745 416 401	200	0	0.020	
110	745 416 402	200	0	0.040	



Repairing coupling gasket

- also sold as individual pieces

d [mm]	Code	SP	GP	kg	
20	158 001 004	10000	0	0.001	
25	158 001 005	10000	0	0.001	
32	158 001 006	3000	0	0.002	
40	158 001 007	2000	0	0.007	
50	158 001 008	1500	0	0.010	
63	158 001 009	600	0	0.015	



Thrust ring

- also sold as individual pieces

d [mm]	Code	SP	GP	kg	
16	727 816 405	2000	0	0.003	
20	727 816 406	2000	0	0.004	
25	727 816 407	1600	0	0.006	
32	727 816 408	1000	0	0.008	
40	727 816 409	500	0	0.018	
50	727 816 410	350	0	0.026	
63	727 816 411	200	0	0.041	
75	727 816 400	150	0	0.080	
90	727 816 401	100	0	0.126	
110	727 816 402	60	0	0.175	

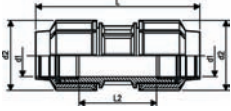


Nut

- also sold as individual pieces

d [mm]	Code	SP	GP	kg	
16 - 20	727 696 406	800	0	0.018	
25	727 696 407	400	0	0.029	
32	727 696 408	250	0	0.046	
40	727 696 409	110	0	0.089	
50	727 696 410	75	0	0.111	
63	727 696 411	40	0	0.228	
75	727 696 412	36	0	0.363	
90	727 696 413	16	0	0.614	
110	727 696 414	9	0	0.840	

POLY16 Plus REPAIRING COUPLINGS

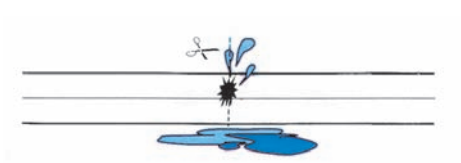


Repairing coupling (without pipe stop)

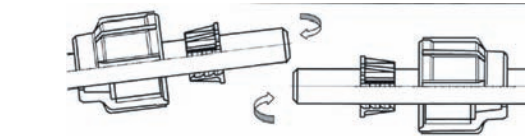
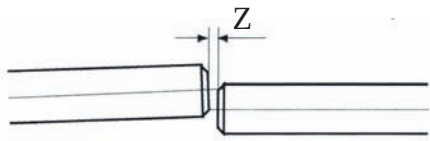
- non-compliance with kits and metal grip ring
- active sealing system (with thrust ring); d20-32 O-ring gasket; d40-63 oval gasket; d75-110 spring gasket
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN16
- material: PP
- gasket: NBR quality for drinkable water
- colour: blue-black

d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L2 [mm]	
20	16	727 936 306	25	175	0.075	22	46	114	34	
25	16	727 936 307	25	100	0.124	28	57	126	43	
32	16	727 936 308	25	50	0.184	35	67	131	39	
40	16	727 936 309	35	0	0.379	44	82	188	68	
50	16	727 936 310	25	0	0.507	53	93	207	70	
63	16	727 936 311	15	0	0.997	65	117	248	86	
75	16	727 936 312	12	0	1.506	78	134	290	110	
90	16	727 936 313	5	0	2.546	93	160	322	128	
110	16	727 936 314	3	0	3.497	113	181	362	148	

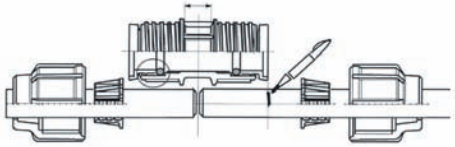
Poly16 Plus Repairing Coupling Assembly Instructions



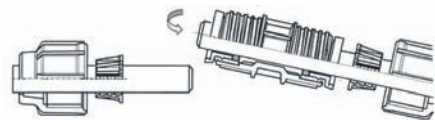
1. Cut the pipe close to the damage. Max pipe distance (Z) according to Table A. Chamfer the pipes for sizes up to 63mm and grease the seal if necessary. No chamfering Ø 75 - 90 - 110.



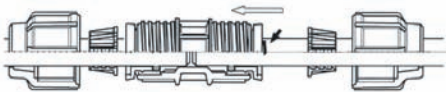
2. Insert nut and grip ring on both sides of pipe ends.



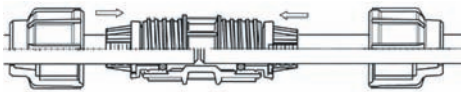
3. Mark the pipe as indicated in the drawing (sign in correspondence of the thrust ring).



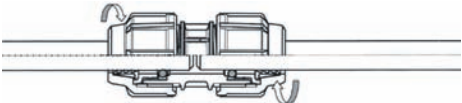
4. Insert the fitting on one side of the pipe until the pipe comes out.



5. Align the two pipes and slide the fitting till the mark on the pipe.



6. Slide the grip ring till the right position on the thrust ring.



7. Tighten the nut with a Poly16 Plus wrench .

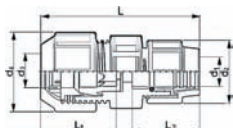
- For sizes d. 20 -63 mm max 1 thread visible
- For sizes d. 75 - 110 mm max 1,5-2 thread visible.

TABLE A

Ø (mm)	Z (mm)	
	MIN	MAX
20 - 25 - 32	5	10
40 - 50 - 63	15	25
75 - 90 - 110	35	40

POLY16 Plus Universal Fittings

Coupling

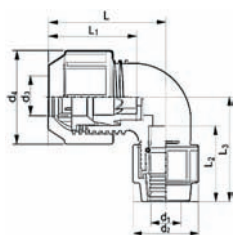


- black offtake: suitable for Metric and Imperial PE, PEX, PVC, ABS, galvanized, lead, copper pipes
- blue offtake: suitable for PE pipe
- water PN10
- material: PP
- gasket: EPDM quality for drinkable water
- non-compliance with POLY16 Plus kits(except Universal kit)
- colour: blue-black

PE outlet [mm]	Universal outlet [mm]	PN	Code	SP	GP	kg	
20	15 - 21	10	158 001 713	1	140	0.119	
20	21 - 27	10	158 001 714	1	100	0.164	
20	27 - 35	10	158 001 715	1	70	0.269	
25	15 - 21	10	158 001 716	1	100	0.145	
25	21 - 27	10	158 001 717	1	90	0.189	
25	27 - 35	10	158 001 718	1	60	0.239	
32	21 - 27	10	158 001 719	1	70	0.206	
32	27 - 35	10	158 001 720	1	50	0.312	

PE outlet [mm]	Universal outlet [mm]	PN	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	
20	15 - 21	10	20	47	15 - 21	55	119	55	55	
20	21 - 27	10	20	47	21 - 27	65	127	70	55	
20	27 - 35	10	20	47	27 - 35	80	151	88	55	
25	15 - 21	10	25	57	15 - 21	55	128	55	55	
25	21 - 27	10	25	57	21 - 27	65	136	70	55	
25	27 - 35	10	25	57	27 - 35	80	162	88	55	
32	21 - 27	10	32	66	21 - 27	65	159	70	75	
32	27 - 35	10	32	66	27 - 35	80	174	88	75	

90° Elbow



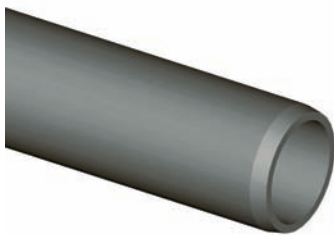
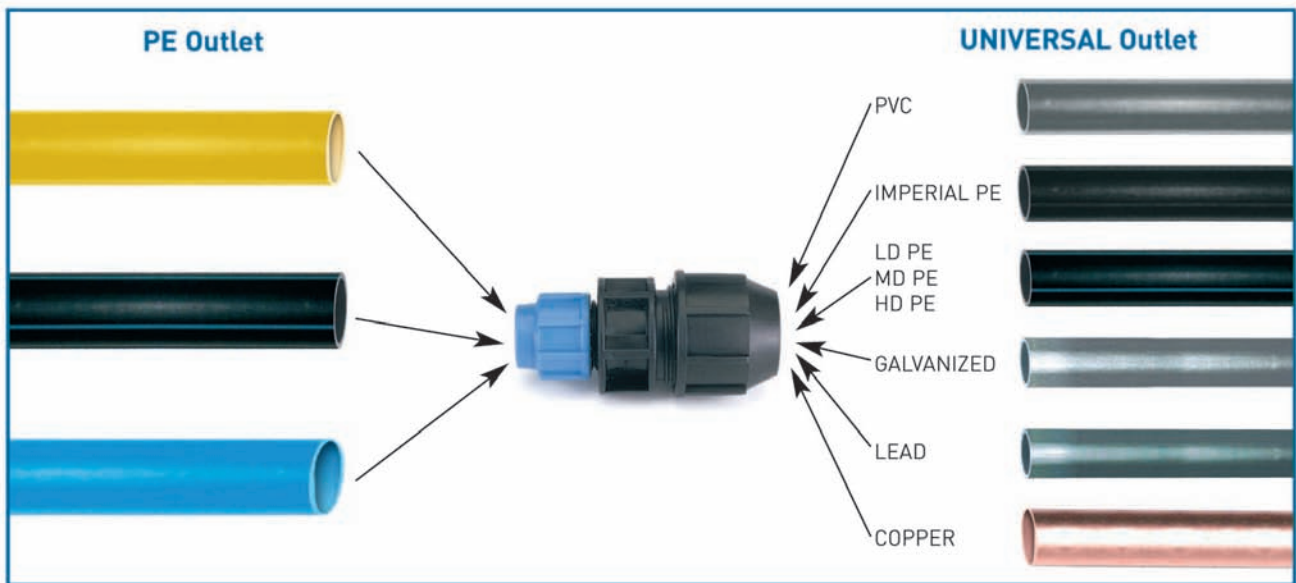
- black offtake: suitable for Metric and Imperial PE, PEX, PVC, ABS, galvanized, lead, copper pipes
- blue offtake: suitable for PE pipe
- water PN10
- material: PP
- gasket: EPDM quality for drinkable water
- non-compliance with POLY16 Plus kits(except Universal kit)
- colour: blue-black

PE outlet [mm]	Universal outlet [mm]	PN	Code	SP	GP	kg	
25	15 - 21	10	158 001 721	1	100	0.146	
25	21 - 27	10	158 001 722	1	90	0.201	

PE outlet [mm]	Universal outlet [mm]	PN	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
25	15 - 21	10	25	57	15 - 21	55	69	55	65	74	
25	21 - 27	10	25	57	21 - 27	65	76	70	70	74	

Poly16 Plus Universal Fittings

Technical features & Assembly Instructions



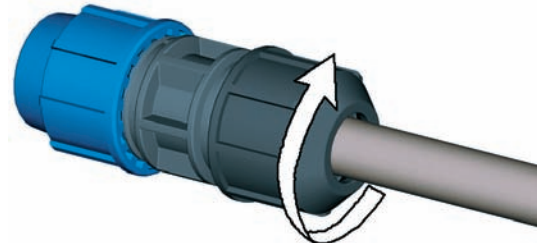
1. Cut the pipe at a 90-degree angle (square cut). When possible, it is recommended to bevel the edges of the cut in order to make the insertion easier. Attention! Non-compliance with Poly16 Plus Kits.



2. Slacken the ring nut without removing from the body. In case the internal components are disassembled (for example due to its transport), please follow the assembly instructions for the components which can be found in the Universal Kit set.



3. Insert the pipe end without tightening the nut. Push the fitting until the pipe reaches the stop.



4. Hand tighten the nut and then tighten further with a proper tool. Do not screw the Universal nut without pipe.

In order to disassemble the Universal nut, follow the Kit assembly instructions in reverse order, keeping in mind that the Universal split ring may require a manual opening of the ends to unnaïl the steel grippers from the pipe.



Universal Kit (in compliance with Universal fitting only)

- non-compliance with POLY16 fittings
- water PN10
- material: PP
- gasket: EPDM quality for drinkable water
- (*)Spare part

PE outlet [mm]	Universal outlet [mm]	PN	Code	SP	GP	kg	
25	15 - 21	10	158 001 723	1	200	0.056	
32	21 - 27	10	158 001 724	1	150	0.081	
	27 - 35	10	158 001 725	1	80	0.138	

Poly16 Plus Universal Kit Assembly instructions

The Kit, adaptable for the universal fitting only, allows to transform any metric offtake into an Universal one. The steps involved in the assembly of the components are the following:



1. Disassemble all the components of the PE metric offtake to transform: nut, split ring, thrust ring and O-ring. Prepare the components of the Universal kit (A, B, C, D)



2. Insert the Universal sealing ring (D) in the body (E), as in the enclosed picture, until the upper edge becomes virtually aligned with the edge of the body. Due to the existing friction between the body and the sealing ring, specially in the bigger sizes, sealing ring insertion may require an additional effort.



3. Place the Universal insert (C) so that it is positioned above the sealing ring and with the flat surface upwards.



4. Place the Universal split ring (B) above the insert (C), so that the steel grippers lean on the flat surface of the insert.



5. Place the Universal nut (A) and tighten clockwise by just one screw thread, leaving it prepared for pipe insertion. Do not screw the Universal nut without pipe.

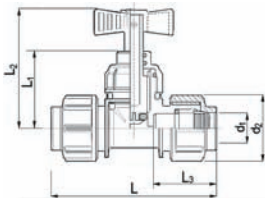
In order to disassemble the Universal nut, follow the Kit assembly instructions in reverse order, keeping in mind that the Universal split ring may require a manual opening of the ends to unmail the steel grippers from the pipe.

POLY16 PLUS PLASTIC STOP COCK VALVES



Plastic Stop Cock Valve

- non-compliance with kits
- suitable for PE
- water PN16
- material: PP
- gasket: O-ring (EPDM)

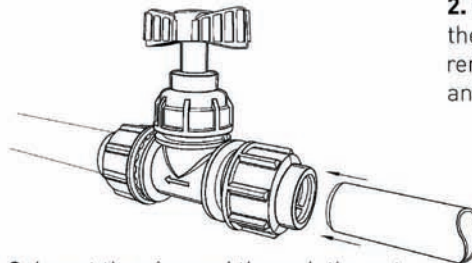


d [mm]	PN	Code	SP	GP	kg	d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	d1 [mm]	d2 [mm]	
20	16	158 001 872	20	20	0.190	20	128	64	93	50	20	47	
25	16	158 001 874	20	20	0.221	25	138	65	93	53	25	54	
32	16	158 001 876	12	12	0.334	32	158	71	98	60	32	65	

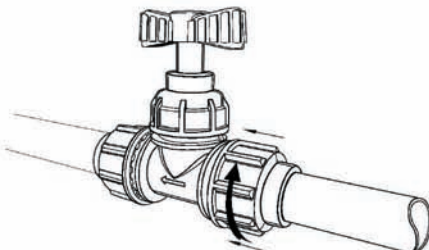
Poly16 Plus Plastic Stop Cock Valve Assembly instructions



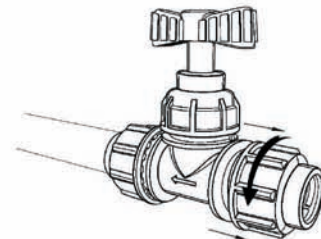
1. Chamfer the pipe with a beveler tool.



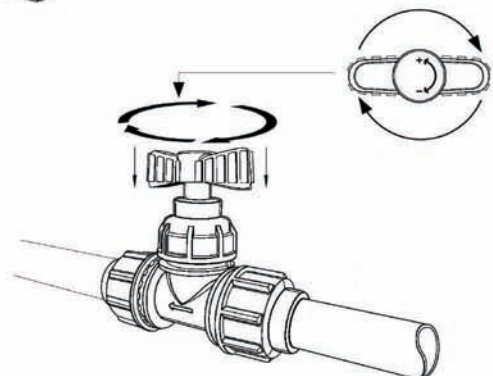
3. Insert the pipe end through the nut. Push the pipe until it goes through the O-ring and reaches the pipe stop.



4. Tighten the nut.



2. Refer to the arrow marked on the body for the flow direction. Unscrew the nut without removing it from the body. Ensure the O' ring and the split ring are in the proper position.



5. Lock the Stop Cock referring to the picture above.

POLY16 Plus Clamp Saddles

Technical information

Materials

Body:

polypropylene copolymer stabilized (PP-B) with Master Batches UV stabilized (Grade 8, ASTM D2565, 1-8)

Gasket:

Food safe rubber (NBR); 70 sh

Reinforcement ring:

Stainless steel AISI 430

Bolts and nuts:

galvanized or stainless steel

Standards

For PE pipes:

ISO 11922-1; ISO 4427; DIN 8074; AS/NZS 4130; EN 12201-1/2; BS 6572; BS 6730; UNI 7990

For PVC pipes:

UNI EN 1452-1/2

Threads:

DIN EN 10226-1/2 (ISO 7 -1); BS 21; AS 1722.1

Test standards:

AS/ZNS 4129; ISO 13460

Nominal Pressure PFA (PN):

See single item tables



Saddles should be stored protected from ultraviolet radiations

Working temperature range (C): -10 °+45

Relation between working pressure and temperature

TEMPERATURE (C °)	10°/+25°	+26°/+35°	+36°/+45°
PFA* (PN)	16	12,5	10
PFA* (PN)	12,5	10	8
PFA* (PN)	10	8	6
PFA* (PN)	6	4,5	N.A.

* In accordance with EN805

Sanitary

Clamp saddles suitable for drinking water. The materials comply with all major legislations and recommendations for food and potable water contact.

List of abbreviations

BS	British Standard	DN	Nominal diameter
DIN	Deutsche Industrie-Norm	PFA (PN)	Working pressure allowable
ISO	International Standardization Organization	kg	Weight in kilograms
PP	Polypropylene	R	Conical Male thread
PE	Polyethylene	Rp	Parallel female thread
NBR	Nitrile butadiene rubber	SP	Standard Pack
d	Pipe outside diameter	GP	Gross Pack

Minimum order quantity: GP when indicated, SP otherwise

POLY16 Plus Clamp Saddles

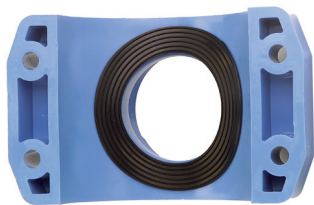
Assembly instructions



1. Check all components. Clean the pipe.



2. Place the bolts in the lower part of the saddle and put it under the pipe.



3. Set properly the gasket into its seat



4. Line up the threaded part with the lower part.



5. Insert washers and nuts without tightening in depth until the first saddle blocking (*).



6. Drill the pipe in correspondence of the offtake (**).



7. Assemble a male adaptor on the offtake (use teflon tape)



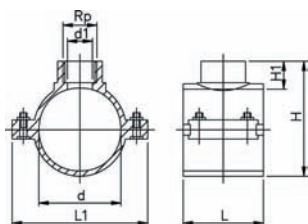
8. Complete the screwing of the bolts until the two parts of the saddle touch each other.

Please note:

- (*): In order to make easier the assembling of male adaptor threaded part, avoid to screw too much the bolts of the clamp saddle
- (**): Caution, do not tighten too much the nuts before the installation of the fitting.

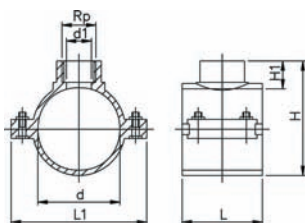
POLY16 Plus CLAMP SADDLES

654X - Blue clamp saddles with stainless steel reinforcement ring, flat gasket and stainless steel bolts and nuts (PN16-PN10)



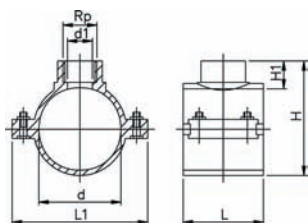
- water PN16-10
- suitable for PE and PVC pipes
- material: PP
- female thread: ISO 7 (parallel)
- gasket: O-ring with flat lip (NBR)
- reinforcement ring: stainless steel AISI430
- bolts and nuts : stainless steel (bolts:AISI304-A2; nuts:AISI316-A4)
- colour: blue
- B= N° of bolts
- M= bolt type
- (*) with O-ring gasket

d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg
* 20	1/2	16	2	M8X40	727 627 001	1	180	0.121
* 25	1/2	16	2	M8X30	727 627 011	1	150	0.110
* 25	3/4	16	2	M8X30	727 627 012	1	150	0.123
* 32	1/2	16	2	M8X30	727 627 021	1	150	0.103
* 32	3/4	16	2	M8X30	727 627 022	1	150	0.115
* 32	1	16	2	M8X40	727 627 023	1	100	0.164
40	1/2	16	2	M8X40	727 627 031	1	100	0.136
40	3/4	16	2	M8X40	727 627 032	1	100	0.148
40	1	16	2	M8X40	727 627 033	1	100	0.155
50	1/2	16	4	M8X40	727 627 041	1	100	0.200
50	3/4	16	4	M8X40	727 627 042	1	100	0.213
50	1	16	4	M8X40	727 627 043	1	100	0.221
50	1 1/4	16	4	M8X40	727 627 044	1	100	0.225
63	1/2	16	4	M8X40	727 627 051	1	70	0.216
63	3/4	16	4	M8X40	727 627 052	1	70	0.226
63	1	16	4	M8X40	727 627 053	1	70	0.232
63	1 1/4	16	4	M8X40	727 627 054	1	60	0.272
63	1 1/2	16	4	M8X40	727 627 055	1	60	0.279
75	1/2	16	4	M8X60	727 627 061	1	40	0.364
75	3/4	16	4	M8X60	727 627 062	1	40	0.376
75	1	16	4	M8X60	727 627 063	1	40	0.428
75	1 1/4	16	4	M8X60	727 627 064	1	40	0.421
75	1 1/2	16	4	M8X60	727 627 065	1	40	0.428
75	2	16	4	M8X60	727 627 066	1	40	0.437
90	1/2	16	4	M8X60	727 627 071	1	34	0.412
90	3/4	16	4	M8X60	727 627 072	1	34	0.421
90	1	16	4	M8X60	727 627 073	1	34	0.432
90	1 1/4	16	4	M8X60	727 627 074	1	34	0.472
90	1 1/2	16	4	M8X60	727 627 075	1	30	0.474
90	2	16	4	M8X60	727 627 076	1	30	0.481
110	1/2	16	6	M8X50	727 627 081	1	20	0.511
110	3/4	16	6	M8X50	727 627 082	1	20	0.523
110	1	16	6	M8X50	727 627 083	1	20	0.533
110	1 1/4	16	6	M8X50	727 627 084	1	20	0.565
110	1 1/2	16	6	M8X50	727 627 085	1	20	0.566
110	2	16	6	M8X50	727 627 086	1	20	0.570
* 110	3	6	6	M8X70	727 627 087	12	0	1.120
125	1/2	16	6	M8X50	727 627 091	1	20	0.578
125	3/4	16	6	M8X50	727 627 092	1	20	0.520
125	1	16	6	M8X50	727 627 093	1	20	0.592
125	1 1/4	16	6	M8X50	727 627 094	1	20	0.629
125	1 1/2	16	6	M8X50	727 627 095	1	20	0.627
125	2	16	6	M8X50	727 627 096	1	20	0.632
* 125	3	6	6	M8X70	727 627 097	12	0	1.012
* 125	4	6	6	M8X70	727 627 098	12	0	1.071
140	1/2	16	6	M8X70	727 627 101	20	0	0.830
140	3/4	16	6	M8X70	727 627 102	20	0	0.843
140	1	16	6	M8X70	727 627 103	20	0	0.849

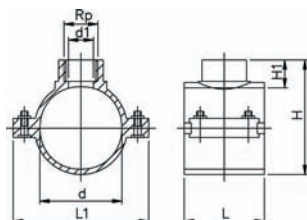


d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg
140	1 ¼	16	6	M8X70	727 627 104	20	0	0.880
140	1 ½	16	6	M8X70	727 627 105	20	0	0.892
140	2	16	6	M8X70	727 627 106	20	0	0.898
* 140	3	10	6	M8X70	727 627 107	10	0	1.132
* 140	4	10	6	M8X70	727 627 108	10	0	1.196
160	½	16	6	M8X70	727 627 111	20	0	0.899
160	¾	16	6	M8X70	727 627 112	20	0	0.908
160	1	16	6	M8X70	727 627 113	20	0	0.917
160	1 ¼	16	6	M8X70	727 627 114	20	0	0.950
160	1 ½	16	6	M8X70	727 627 115	20	0	0.954
160	2	16	6	M8X70	727 627 116	20	0	0.956
* 160	3	10	6	M8X70	727 627 117	10	0	1.185
* 160	4	10	6	M8X70	727 627 118	10	0	1.262
* 180	1	10	6	M10x80	727 627 123	7	0	1.980
* 180	1 ¼	10	6	M10x80	727 627 124	7	0	2.013
* 180	1 ½	10	6	M10x80	727 627 125	7	0	1.980
* 180	2	10	6	M10x80	727 627 126	7	0	2.018
* 180	3	10	6	M10x80	727 627 127	7	0	2.043
* 180	4	10	6	M10x80	727 627 128	7	0	2.107
* 200	1 ½	10	6	M10x80	727 627 135	8	0	1.985
* 200	2	10	6	M10x80	727 627 136	7	0	1.946
* 200	3	10	6	M10x80	727 627 137	7	0	1.980
* 200	4	10	6	M10x80	727 627 138	7	0	2.035
* 225	1 ½	10	6	M10x80	727 627 145	5	0	2.049
* 225	2	10	6	M10x80	727 627 146	5	0	2.050
* 225	3	10	6	M10x80	727 627 147	5	0	2.150
* 225	4	10	6	M10x80	727 627 148	5	0	2.184
* 250	2	10	6	M10x80	727 627 156	5	0	2.472
* 250	3	10	6	M10x80	727 627 157	5	0	2.466
* 250	4	10	6	M10x80	727 627 158	5	0	2.493
280	2	10	6	M10x160	727 627 166	3	0	3.522
* 280	3	10	6	M10x160	727 627 167	3	0	3.591
* 280	4	10	6	M10x160	727 627 168	3	0	3.633
315	2	10	6	M10x110	727 627 176	3	0	4.156
* 315	3	10	6	M10x110	727 627 177	3	0	4.391
* 315	4	10	6	M10x110	727 627 178	3	0	4.418

d [mm]	Rp [inch]	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
* 20	½	12	46	77	59	26
* 25	½	13	49	79	58	15
* 25	¾	13	49	79	58	15
* 32	½	14	49	79	62	20
* 32	¾	14	49	79	62	20
* 32	1	14	62	87	70	20
40	½	21	62	86	71	20
40	¾	21	62	86	71	20
40	1	21	62	86	70	19
50	½	21	62	86	82	20
50	¾	21	62	86	82	20
50	1	21	62	86	82	20
50	1 ¼	21	62	86	82	20
63	½	18	62	101	96	21
63	¾	24	62	101	96	21
63	1	31	62	101	96	21
63	1 ¼	31	62	101	96	21
63	1 ½	31	62	101	96	21
75	½	16	79	123	102	14
75	¾	21	79	123	104	16
75	1	27	79	123	107	19
75	1 ¼	35	79	123	109	21
75	1 ½	42	79	123	109	21
75	2	53	79	123	112	24
90	½	16	87	138	116	14
90	¾	21	87	138	118	16
90	1	27	87	138	121	19
90	1 ¼	35	87	138	123	21
90	1 ½	42	87	138	123	21



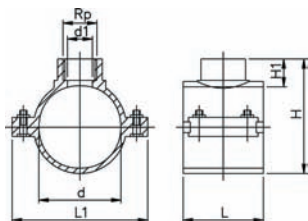
d [mm]	Rp [inch]	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
90	2	53	87	138	126	24	
110	½	15	99	152	150	23	
110	¾	20	99	152	150	23	
110	1	26	99	152	150	23	
110	1 ¼	35	99	152	150	23	
110	1 ½	41	99	152	150	23	
110	2	51	99	152	150	23	
* 110	3	85	99	152	150	23	
125	½	15	101	166	169	24	
125	¾	20	101	166	169	24	
125	1	26	101	166	169	24	
125	1 ¼	35	101	166	168	23	
125	1 ½	41	101	166	168	23	
125	2	50	101	166	168	23	
* 125	3	85	139	178	180	37	
* 125	4	90	139	178	181	38	
140	½	18	114	207	191	25	
140	¾	24	114	207	191	25	
140	1	30	114	207	191	25	
140	1 ¼	38	114	207	191	25	
140	1 ½	45	114	207	191	24	
140	2	50	114	207	191	24	
* 140	3	85	142	208	201	38	
* 140	4	90	142	208	201	38	
160	½	18	114	226	215	24	
160	¾	24	114	226	215	24	
160	1	30	114	226	215	24	
160	1 ¼	37	114	226	215	24	
160	1 ½	45	114	226	215	24	
160	2	51	114	226	215	24	
* 160	3	84	142	228	222	24	
* 160	4	90	142	228	222	24	
* 180	1	30	169	262	265	38	
* 180	1 ¼	36	169	262	265	38	
* 180	1 ½	42	169	262	265	38	
* 180	2	54	169	262	265	38	
* 180	3	84	169	262	265	38	
* 180	4	108	169	262	265	38	
* 200	1 ½	45	169	262	265	38	
* 200	2	54	169	262	265	38	
* 200	3	85	169	262	265	38	
* 200	4	103	169	262	267	40	
* 225	1 ½	45	145	287	287	26	
* 225	2	51	145	287	287	26	
* 225	3	85	174	287	295	37	
* 225	4	103	174	287	295	38	
* 250	2	55	178	310	314	38	
* 250	3	85	178	310	314	38	
* 250	4	103	178	310	314	38	
280	2	51	179	335	326	31	
* 280	3	78	179	335	338	41	
* 280	4	98	179	335	338	46	
315	2	51	246	390	350	31	
* 315	3	78	246	390	363	41	
* 315	4	98	246	390	363	46	



654 - Blue clamp saddles with stainless steel reinforcing ring, flat gasket and galvanized bolts and nuts (PN16-PN10)

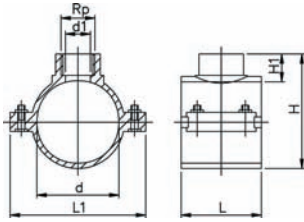
- water PN16-10
- suitable for PE and PVC pipes
- female thread: ISO 7 (parallel)
- material: PP
- gasket: O-ring with flat lip (NBR)
- reinforcement ring: stainless steel AISI430
- bolts and nuts : galvanized
- colour: blue
- B= N° of bolts
- M= bolt type
- (*) with O-ring gasket

d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg
* 20	1/2	16	2	M8X40	158 001 041	1	180	0.119
* 25	1/2	16	2	M8X30	158 001 042	1	150	0.110
* 25	3/4	16	2	M8X30	158 001 043	1	150	0.123
* 32	1/2	16	2	M8X30	158 001 044	1	150	0.103
* 32	3/4	16	2	M8X30	158 001 045	1	150	0.115
* 32	1	16	2	M8X40	158 001 046	1	100	0.162
40	1/2	16	2	M8X40	158 001 047	1	100	0.135
40	3/4	16	2	M8X40	158 001 048	1	100	0.146
40	1	16	2	M8X40	158 001 049	1	100	0.153
50	1/2	16	4	M8X40	158 001 050	1	100	0.196
50	3/4	16	4	M8X40	158 001 051	1	100	0.209
50	1	16	4	M8X40	158 001 052	1	100	0.217
50	1 1/4	16	4	M8X40	158 001 053	1	100	0.221
63	1/2	16	4	M8X40	158 001 054	1	70	0.212
63	3/4	16	4	M8X40	158 001 055	1	70	0.222
63	1	16	4	M8X40	158 001 056	1	70	0.228
63	1 1/4	16	4	M8X40	158 001 058	1	60	0.268
63	1 1/2	16	4	M8X40	158 001 057	1	60	0.275
75	1/2	16	4	M8X60	158 001 059	1	40	0.364
75	3/4	16	4	M8X60	158 001 060	1	40	0.376
75	1	16	4	M8X60	158 001 061	1	40	0.384
75	1 1/4	16	4	M8X60	158 001 063	1	40	0.421
75	1 1/2	16	4	M8X60	158 001 062	1	40	0.428
75	2	16	4	M8X60	158 001 064	1	40	0.437
90	1/2	16	4	M8X60	158 001 065	1	34	0.412
90	3/4	16	4	M8X60	158 001 066	1	34	0.421
90	1	16	4	M8X60	158 001 067	1	34	0.432
90	1 1/4	16	4	M8X60	158 001 069	1	34	0.472
90	1 1/2	16	4	M8X60	158 001 068	1	30	0.474
90	2	16	4	M8X60	158 001 070	1	30	0.481
110	1/2	16	6	M8X50	158 001 071	1	20	0.511
110	3/4	16	6	M8X50	158 001 072	1	20	0.523
110	1	16	6	M8X50	158 001 073	1	20	0.533
110	1 1/4	16	6	M8X50	158 001 075	1	20	0.565
110	1 1/2	16	6	M8X50	158 001 074	1	20	0.566
110	2	16	6	M8X50	158 001 076	1	20	0.570
* 110	3	6	6	M8x70	158 001 077	12	0	1.108
125	1/2	16	6	M8X50	158 001 078	1	20	0.578
125	3/4	16	6	M8X50	158 001 079	1	20	0.590
125	1	16	6	M8X50	158 001 080	1	20	0.592
125	1 1/4	16	6	M8X50	158 001 082	1	20	0.629
125	1 1/2	16	6	M8X50	158 001 081	1	20	0.627
125	2	16	6	M8X50	158 001 083	1	20	0.640
* 125	3	6	6	M8X70	158 001 084	12	0	1.009
* 125	4	6	6	M8X70	158 001 085	12	0	1.051
140	1/2	16	6	M8X70	158 001 086	20	0	0.830
140	3/4	16	6	M8X70	158 001 087	20	0	0.843
140	1	16	6	M8X70	158 001 088	20	0	0.849
140	1 1/4	16	6	M8X70	158 001 090	20	0	0.880
140	1 1/2	16	6	M8X70	158 001 089	20	0	0.892
140	2	16	6	M8X70	158 001 091	20	0	0.898

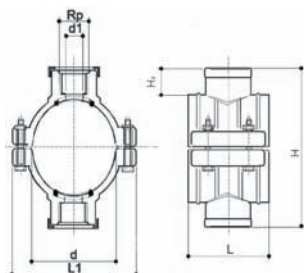


d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg
* 140	3	10	6	M8X70	158 001 092	10	0	1.132
* 140	4	10	6	M8X70	158 001 093	10	0	1.196
160	½	16	6	M8X70	158 001 094	20	0	0.899
160	¾	16	6	M8X70	158 001 095	20	0	0.908
160	1	16	6	M8X70	158 001 096	20	0	0.917
160	1 ¼	16	6	M8X70	158 001 098	20	0	0.950
160	1 ½	16	6	M8X70	158 001 097	20	0	0.954
160	2	16	6	M8X70	158 001 099	20	0	0.956
* 160	3	10	6	M8X70	158 001 100	10	0	1.185
* 160	4	10	6	M8X70	158 001 101	10	0	1.262
* 180	1	10	6	M10X80	158 001 102	7	0	1.980
* 180	1 ¼	10	6	M10X80	158 001 104	7	0	2.013
* 180	1 ½	10	6	M10X80	158 001 103	7	0	2.007
* 180	2	10	6	M10X80	158 001 105	7	0	2.018
* 180	3	10	6	M10X80	158 001 106	7	0	2.043
* 180	4	10	6	M10X80	158 001 107	7	0	2.092
* 200	1 ½	10	6	M10X80	158 001 108	8	0	1.966
* 200	2	10	6	M10X80	158 001 109	7	0	1.946
* 200	3	10	6	M10X80	158 001 110	7	0	1.980
* 200	4	10	6	M10X80	158 001 111	7	0	2.020
* 225	1 ½	10	6	M10X80	158 001 112	5	0	2.049
* 225	2	10	6	M10X80	158 001 113	5	0	2.050
* 225	3	10	6	M10X80	158 001 114	5	0	2.150
* 225	4	10	6	M10X80	158 001 115	5	0	2.184
* 250	2	10	6	M10X80	158 001 116	5	0	2.472
* 250	3	10	6	M10X80	158 001 117	5	0	2.466
* 250	4	10	6	M10X80	158 001 118	5	0	2.478
280	2	10	6	M10X160	158 001 119	3	0	3.440
* 280	3	10	6	M10X160	158 001 120	3	0	3.543
* 280	4	10	6	M10X160	158 001 121	3	0	3.585
315	2	10	6	M10X110	158 001 122	3	0	4.156
* 315	3	10	6	M10X110	158 001 123	3	0	4.267
* 315	4	10	6	M10X110	158 001 124	3	0	4.279

d [mm]	Rp [inch]	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
* 20	½	12	46	77	59	26
* 25	½	13	49	79	58	15
* 25	¾	13	49	79	58	15
* 32	½	14	49	79	62	20
* 32	¾	14	49	79	62	20
* 32	1	14	62	87	70	20
40	½	21	62	86	71	20
40	¾	21	62	86	71	20
40	1	21	62	86	70	19
50	½	21	62	86	82	20
50	¾	21	62	86	82	20
50	1	21	62	86	82	20
50	1 ¼	21	62	86	82	20
63	½	18	62	101	96	21
63	¾	24	62	101	96	21
63	1	31	62	101	96	21
63	1 ¼	31	62	101	96	21
63	1 ½	31	62	101	96	21
75	½	16	79	123	102	14
75	¾	21	79	123	104	16
75	1	27	79	123	107	19
75	1 ¼	35	79	123	109	21
75	1 ½	42	79	123	109	21
75	2	53	79	123	112	24
90	½	16	87	138	116	14
90	¾	21	87	138	118	16
90	1	27	87	138	121	19
90	1 ¼	35	87	138	123	21
90	1 ½	42	87	138	123	21
90	2	53	87	138	126	24
110	½	15	99	152	150	23
110	¾	20	99	152	150	23



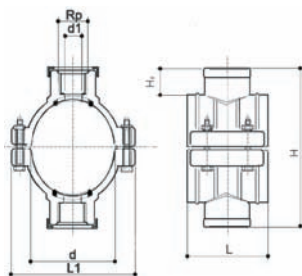
d [mm]	Rp [inch]	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
110	1	26	99	152	150	23	
110	1 ¼	35	99	152	150	23	
110	1 ½	41	99	152	150	23	
110	2	51	99	152	150	23	
* 110	3	85	99	152	150	23	
125	½	15	101	166	169	24	
125	¾	20	101	166	169	24	
125	1	26	101	166	169	24	
125	1 ¼	35	101	166	168	23	
125	1 ½	41	101	166	168	23	
125	2	50	101	166	168	23	
* 125	3	85	139	178	180	37	
* 125	4	90	139	178	181	38	
140	½	18	114	207	191	25	
140	¾	24	114	207	191	25	
140	1	30	114	207	191	25	
140	1 ¼	38	114	207	191	25	
140	1 ½	45	114	207	191	24	
140	2	50	114	207	191	24	
* 140	3	85	142	208	201	38	
* 140	4	90	142	208	201	38	
160	½	18	114	226	215	24	
160	¾	24	114	226	215	24	
160	1	30	114	226	215	24	
160	1 ¼	37	114	226	215	24	
160	1 ½	45	114	226	215	24	
160	2	51	114	226	215	24	
* 160	3	84	142	228	222	38	
* 160	4	90	142	228	222	38	
* 180	1	30	169	262	265	38	
* 180	1 ¼	36	169	262	265	38	
* 180	1 ½	54	169	262	265	38	
* 180	2	54	169	262	265	38	
* 180	3	85	169	262	265	38	
* 180	4	103	169	262	267	40	
* 200	1 ½	45	169	262	265	38	
* 200	2	54	169	262	265	38	
* 200	3	85	169	262	265	38	
* 200	4	103	169	262	267	40	
* 225	1 ½	45	145	287	287	26	
* 225	2	51	145	287	287	26	
* 225	3	85	174	287	295	37	
* 225	4	103	174	287	295	38	
* 250	2	55	178	310	314	38	
* 250	3	85	178	310	314	38	
* 250	4	103	178	310	314	38	
280	2	51	179	335	326	31	
* 280	3	78	179	335	338	41	
* 280	4	98	179	335	338	46	
315	2	51	246	390	350	31	
* 315	3	78	246	390	363	41	
* 315	4	98	246	390	363	46	



664 - Double blue clamp saddles with stainless steel reinforcing ring, flat gasket and galvanized bolts and nuts (PN16-PN10)

- water PN16-10
- suitable for PE and PVC pipes
- female thread: ISO 7 (parallel)
- material: PP
- gasket: O-ring with flat lip (NBR)
- reinforcement ring: stainless steel AISI430
- bolts and nuts : galvanized
- colour: blue
- B= N° of bolts
- M= bolt type
- (*) with O-ring gasket

d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
* 20	1/2	16	2	M8X40	158 001 125	1	150	0.152	12	46	77	84	26
* 25	1/2	16	2	M8X30	158 001 126	1	150	0.130	13	49	79	80	15
* 25	3/4	16	2	M8X30	158 001 127	1	150	0.156	13	49	79	80	15
* 32	1/2	16	2	M8X30	158 001 128	1	150	0.124	14	49	79	80	20
* 32	3/4	16	2	M8X30	158 001 129	1	150	0.148	14	62	87	87	20
* 32	1	16	2	M8X50	158 001 130	1	100	0.212	14	62	87	91	20
40	1/2	16	2	M8X50	158 001 131	1	100	0.168	21	62	86	91	20
40	3/4	16	2	M8X50	158 001 132	1	100	0.190	21	62	86	91	20
40	1	16	2	M8X50	158 001 133	1	100	0.204	21	62	86	89	19
50	1/2	16	4	M8X50	158 001 134	1	100	0.236	21	62	86	101	20
50	3/4	16	4	M8X50	158 001 135	1	100	0.262	21	62	86	101	20
50	1	16	4	M8X50	158 001 136	1	100	0.278	21	62	86	101	20
50	1 1/4	16	4	M8X50	158 001 137	1	100	0.286	21	62	86	101	20
63	1/2	16	4	M8X50	158 001 138	1	60	0.254	18	62	101	115	21
63	3/4	16	4	M8X50	158 001 139	1	60	0.274	24	62	101	115	21
63	1	16	4	M8X50	158 001 140	1	60	0.286	31	62	101	115	21
63	1 1/4	16	4	M8X50	158 001 142	1	60	0.366	31	62	101	115	21
63	1 1/2	16	4	M8X50	158 001 141	1	60	0.380	31	62	101	115	21
75	1/2	16	4	M8X70	158 001 143	1	40	0.392	16	79	123	115	14
75	3/4	16	4	M8X70	158 001 144	1	40	0.416	21	79	123	119	16
75	1	16	4	M8X70	158 001 145	1	40	0.432	27	79	123	125	19
75	1 1/4	16	4	M8X70	158 001 147	1	32	0.506	35	79	123	129	21
75	1 1/2	16	4	M8X70	158 001 146	1	32	0.520	42	79	123	129	21
75	2	16	4	M8X70	158 001 148	1	30	0.538	53	79	123	135	24
90	1/2	16	4	M8X70	158 001 149	1	30	0.440	16	87	138	129	14
90	3/4	16	4	M8X70	158 001 150	1	30	0.458	21	87	138	133	16
90	1	16	4	M8X70	158 001 151	1	30	0.480	27	87	138	139	19
90	1 1/4	16	4	M8X70	158 001 153	1	30	0.560	35	87	138	145	21
90	1 1/2	16	4	M8X70	158 001 152	1	30	0.564	42	87	138	145	21
90	2	16	4	M8X70	158 001 154	1	30	0.578	53	87	138	151	24
110	1/2	16	6	M8X70	158 001 155	1	20	0.572	15	99	152	169	23
110	3/4	16	6	M8X70	158 001 156	1	20	0.596	20	99	152	169	23
110	1	16	6	M8X70	158 001 157	1	20	0.616	26	99	152	169	23
110	1 1/4	16	6	M8X70	158 001 159	1	20	0.680	35	99	152	169	23
110	1 1/2	16	6	M8X70	158 001 158	1	20	0.682	41	99	152	169	23
110	2	16	6	M8X70	158 001 160	1	20	0.690	51	99	152	169	23
* 110	3	6	6	M8X70	158 001 161	10	0	1.362	85	99	152	169	23
125	1/2	16	6	M8X70	158 001 162	1	20	0.642	15	101	166	189	24
125	3/4	16	6	M8X70	158 001 163	1	20	0.666	20	101	166	189	24
125	1	16	6	M8X70	158 001 164	1	20	0.670	26	101	166	189	24
125	1 1/4	16	6	M8X70	158 001 166	1	20	0.744	35	101	166	188	23
125	1 1/2	16	6	M8X70	158 001 165	1	20	0.740	41	101	166	188	23
125	2	16	6	M8X70	158 001 167	1	20	0.766	50	101	166	188	23
* 125	3	6	6	M8X70	158 001 168	10	0	1.238	85	139	178	188	37
* 125	4	6	6	M8X70	158 001 169	10	0	1.322	90	139	178	188	38
140	1/2	16	6	M8X70	158 001 170	20	0	0.868	18	114	207	209	25
140	3/4	16	6	M8X70	158 001 171	20	0	0.894	24	114	207	208	25
140	1	16	6	M8X70	158 001 172	20	0	0.906	30	114	207	208	25
140	1 1/4	16	6	M8X70	158 001 174	20	0	0.968	38	114	207	208	25
140	1 1/2	16	6	M8X70	158 001 173	20	0	0.992	45	114	207	206	24
140	2	16	6	M8X70	158 001 175	20	0	1.004	50	114	207	207	24

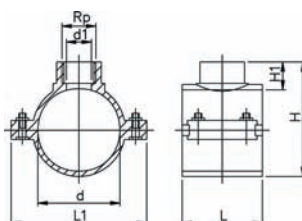


d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
* 140	3	10	6	M8X70	158 001 176	10	0	1.326	85	142	208	207	38
* 140	4	10	6	M8X70	158 001 177	8	0	1.454	90	142	208	207	38
160	½	16	6	M8X70	158 001 178	20	0	0.928	18	114	226	225	24
160	¾	16	6	M8X70	158 001 179	20	0	0.946	24	114	226	225	24
160	1	16	6	M8X70	158 001 180	20	0	0.964	30	114	226	225	24
160	1 ¼	16	6	M8X70	158 001 182	20	0	1.030	37	114	226	225	24
160	1 ½	16	6	M8X70	158 001 181	20	0	1.038	45	114	226	225	24
160	2	16	6	M8X70	158 001 183	20	0	1.042	51	114	226	225	24
* 160	3	10	6	M8X70	158 001 184	5	0	1.376	85	142	228	225	38
* 160	4	10	6	M8X70	158 001 185	5	0	1.530	90	142	228	225	38
* 180	1	10	6	M10X80	158 001 186	5	0	2.234	30	169	262	303	38
* 180	1 ¼	10	6	M10X80	158 001 188	5	0	2.300	37	169	262	303	38
* 180	1 ½	10	6	M10X80	158 001 187	5	0	2.288	45	169	262	303	38
* 180	2	10	6	M10X80	158 001 189	5	0	2.310	51	169	262	303	38
* 180	3	10	6	M10X80	158 001 190	5	0	2.360	85	169	262	303	38
* 180	4	10	6	M10X80	158 001 191	5	0	2.458	90	169	262	303	40
* 200	1 ½	10	6	M10X80	158 001 192	5	0	2.196	45	169	262	323	38
* 200	2	10	6	M10X80	158 001 193	5	0	2.156	51	169	262	323	38
* 200	3	10	6	M10X80	158 001 194	5	0	2.224	85	169	262	323	38
* 200	4	10	6	M10X80	158 001 195	5	0	2.304	90	169	262	323	40
* 225	1 ½	10	6	M10X80	158 001 196	5	0	2.162	45	145	287	351	26
* 225	2	10	6	M10X80	158 001 197	5	0	2.164	51	145	287	351	26
* 225	3	10	6	M10X80	158 001 198	4	0	2.364	85	174	287	351	37
* 225	4	10	6	M10X80	158 001 199	4	0	2.432	90	174	287	351	38
* 250	2	10	6	M10X80	158 001 200	3	0	2.686	51	178	310	375	38
* 250	3	10	6	M10X80	158 001 201	3	0	2.674	85	178	310	375	38
* 250	4	10	6	M10X80	158 001 202	3	0	2.698	90	178	310	375	38



154 (for metal pipes) -Black clamp saddles with reinforcing ring and flat gasket , galvanized bolts and nuts

- water PN12,5
- suitable for metal pipe (see " d " in the table)
- female thread: ISO 7 (parallel)
- material: PP
- gasket: O-ring with flat lip (NBR)
- reinforcement ring: stainless steel AISI430
- bolts and nuts : galvanized
- colour: black
- B= N° of bolts
- M= bolt type



d [mm]	Rp [inch]	PN [bar]	B	M	Code	SP	GP	kg	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
60	½	12.5	4	M8X40	158 001 203	1	70	0.221	18	62	101	96	21
60	¾	12.5	4	M8X40	158 001 706	1	70	0.229	24	62	101	96	21
60	1	12.5	4	M8X40	158 001 707	1	70	0.235	31	62	101	96	21
60	1 ¼	12.5	4	M8X40	158 001 709	1	60	0.230	31	62	101	96	21
60	1 ½	12.5	4	M8X40	158 001 708	1	60	0.244	31	62	101	96	21
80	½	12.5	4	M8X50	158 001 204	1	40	0.301	18	77	116	113	20
80	¾	12.5	4	M8X50	158 001 205	1	40	0.312	20	77	116	113	20
80	1	12.5	4	M8X50	158 001 206	1	40	0.317	27	77	116	113	20
80	1 ¼	12.5	4	M8X50	158 001 208	1	40	0.307	35	77	116	113	20
80	1 ½	12.5	4	M8X50	158 001 207	1	40	0.323	45	77	116	113	20
100	½	12.5	4	M8X50	158 001 209	1	20	0.472	15	99	155	147	22
100	¾	12.5	4	M8X50	158 001 210	1	20	0.476	20	99	155	147	22
100	1	12.5	4	M8X50	158 001 211	1	20	0.485	26	99	155	147	22
100	1 ¼	12.5	4	M8X50	158 001 213	1	20	0.473	35	99	155	147	22
100	1 ½	12.5	4	M8X50	158 001 212	1	20	0.488	41	99	155	147	22
120	¾	12.5	4	M8X50	158 001 214	1	20	0.548	20	101	166	167	24
120	1	12.5	4	M8X50	158 001 215	1	20	0.555	26	101	166	167	24
120	1 ¼	12.5	4	M8X50	158 001 217	1	20	0.543	35	101	166	167	24
120	1 ½	12.5	4	M8X50	158 001 216	1	20	0.550	41	101	166	167	24

POLY16 Plus Tapping Saddle

Technical information

Materials

Body (upper and lower section):

Virgin polypropylene copolymer (PP-B), highly UV stabilized, black coloured

Sealing cup:

Virgin polypropylene copolymer (virgin PP-B), highly UV stabilized

Universal Line – blue coloured with master batches highly UV stabilized (grade 8)

PE Line – black coloured

Compression offtake:

See POLY16Plus compression fittings technical information

Gaskets (sealing cap and saddle body):

Food safe rubber (NBR and special NBR KTW approved);

sh 70, black coloured

Sealing cup: O-ring

Universal Line – Saddle body: flat

PE Line – Saddle Body: maximize O-ring

Cutter:

Universal Line - brass

PE Line - polyacetalic resin (POM) and stainless steel AISI 304

Cutter extension (only PE Line):

polyacetalic resin (POM)

blue coloured

Bolts and Nuts:

galvanized

or stainless steel (bolts: AISI 304-A2; nuts: AISI 316-A4)

Standard

For PE pipes:

ISO 11922-1; DIN 8074; EN 12201-1/2; AS/NZS 4130; BS 6572; ISO 4427; UNI 7990

For PVC pipes:

ISO 4422-1/2 ; DIN 8062; UNI EN 1452-1/2

Threads :

UNI EN ISO 7-1; DIN EN 10226-1; BS 21

Test Standards:

AS/NZS/4129 – ISO 14236 – ISO 13460

Nominal pressure : PFA (PN)

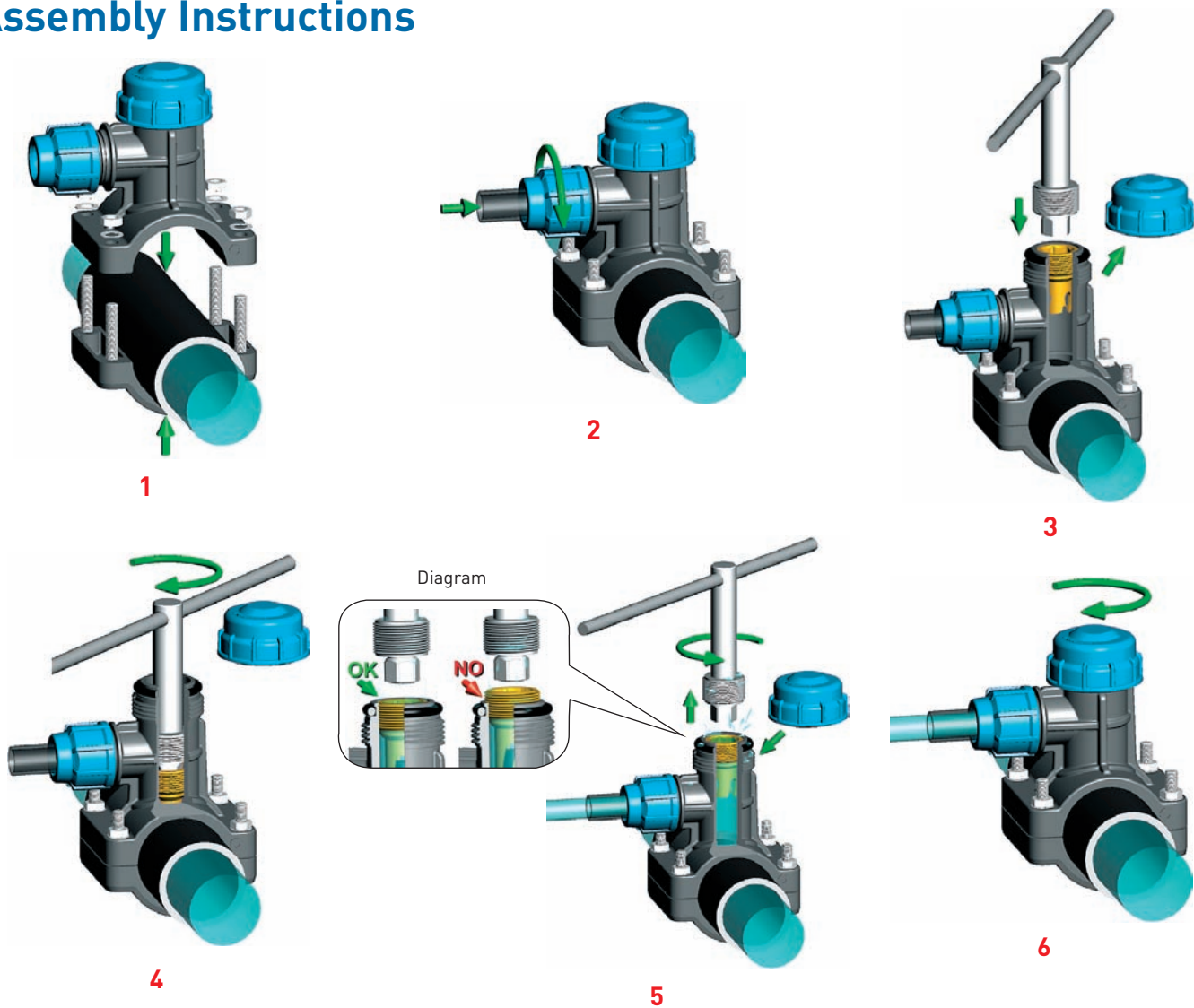
16 bar

Sanitary

Tapping saddles suitable for drinking water. The materials comply with all major legislations and recommendations for food and potable water contact.

POLY16 Plus Tapping Saddle Universal Line

Assembly Instructions



- 1 Place the bolts in the lower section of the saddle and place underneath the pipe. Assemble the gasket in the upper section site.
Attach the upper section and tighten diagonally *(If SS bolts are used, lubrication of the bolts is recommended)*.
- 2 Insert the outlet pipe (or connect the female thread) and assemble in accordance with the compression fittings instructions.
- 3 Unscrew the sealing cap and insert the special +GF+ key (Tab. 1) into the hexagonal recess of the cutter *(caution: take care to align the saddle and key threads)*
- 4 Screw the cutter into the pipe until a small amount of water will escape past the threads, and/or until the screwing strenght decreases, showing the main has been tapped. When the screwing strenght increases again, you have reached the final stop of the cutter inside the saddle. We recommend to mark the key with the correct drilling dept (H) (Tab.1). Screw the cutter until the mark aligns with the top of the tapping saddle thread.
- 5 Unscrew the cutter to the top of the tapping saddle thread: do not go beyond this point (see diagram in picture 5).
- 6 To complete the assembly, refit the sealing cap using the +GF+ spanner for compression fittings.

Tab.1: Special +GF+ key

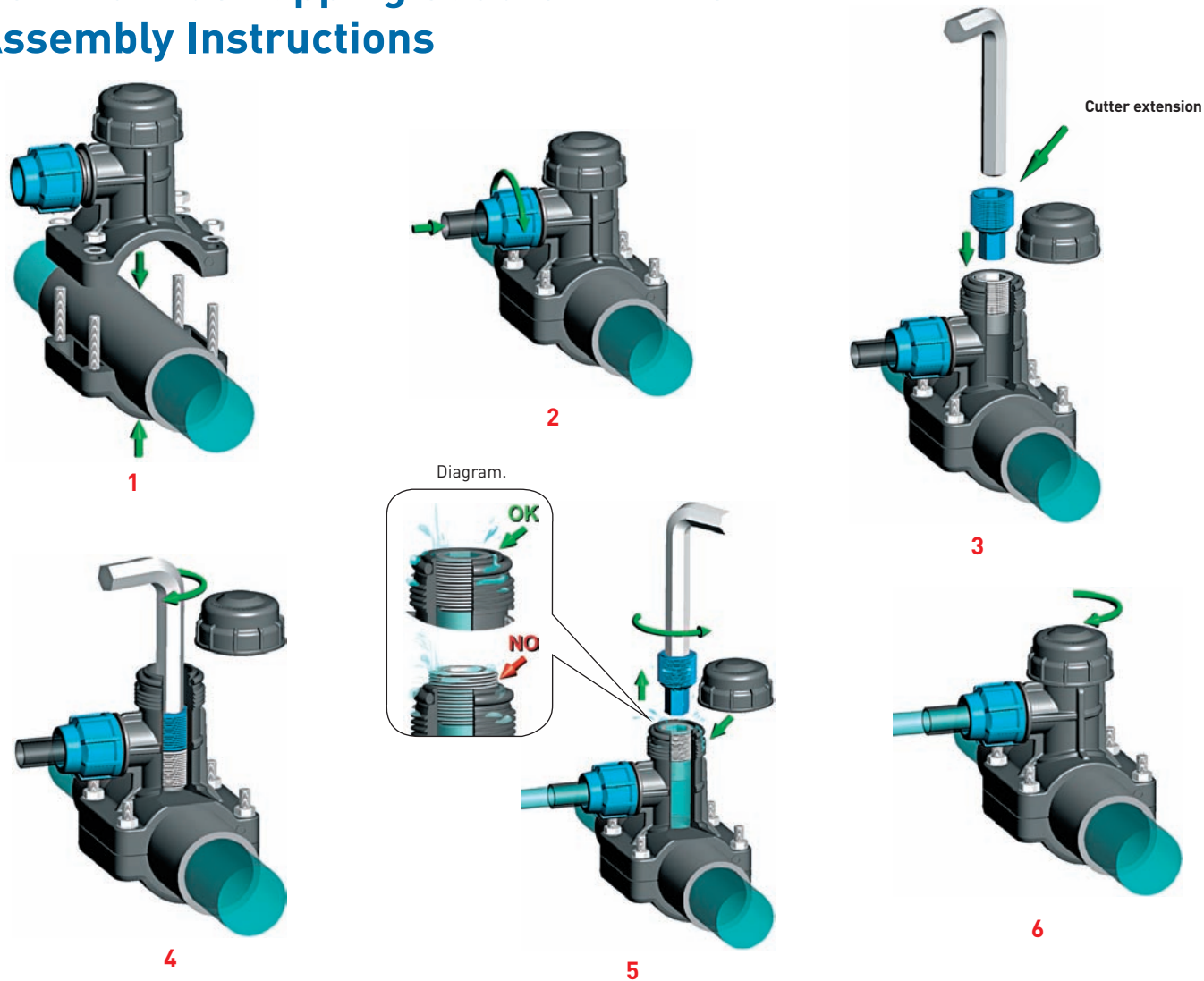
	DN Main (mm)	Offtake	H (mm)
	50-63	ALL	80
	75-90	ALL	90
	110-125-140-160	25-32-40-1"	110
	110-125-140-160	50-63-75-2"	130
H = Drilling depth			

Max. wall thickness cut (e)

DN Main (mm)	e (mm)
50	10
63	10
75	14
90	14
110	16
125	20
140	20
160	20

POLY16 Plus Tapping Saddle PE Line

Assembly Instructions



- 1 Place the bolts in the lower section of the saddle and place underneath the pipe. Assemble the gasket in the upper section site. Attach the upper section and tighten diagonally. *(If SS bolts are used, lubrication of the bolts is recommended).*
- 2 Insert the outlet pipe (or connect the female thread) and assemble in accordance with the compression fittings instructions.
- 3 Unscrew the sealing cap and insert the relevant threaded extension into the hexagonal recess of the cutter. Screw using an hexagonal standard key (Tab.1). *Caution: take care to align hexagons threaded extension-cutter, and saddle-extension threads.*
- 4 Screw the threaded extension/cutter system until a small amount of water will escape through the threads, and/or until the screwing strenght decreases, showing the main has been tapped. When the screwing strenght increases again, you have reached the final stop of the cutter inside the saddle. We recommend to mark the key with the correct drilling depth (H), (Tab. 1). Screw the cutter until the mark aligns with the top of the saddle.
- 5 Unscrew the extension/cutter system to the top of the saddle: the cutter doesn't have to go beyond this point (see diagram in picture 5). Remove the threaded cutter extension.
- 6 To complete the assembly, refit the sealing cap using a tightening wrench for compression fittings.

Tab.1: 17 mm standard hexagonal key

	DN Main (mm)	Offtake	H (mm)
	50-63	ALL	55
	75-90	ALL	65
	110-125-140-160	25-32-40-1"	85
H = Drilling depth	110-125-140-160	50-63-75-2"	95

Max. wall thickness cut (e)

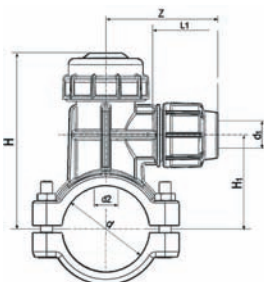
DN Main (mm)	e (mm)
50	10
63	10
75	14
90	14
110	16
125	20
140	20
160	20

POLY16 Plus Tapping Saddle UNIVERSAL LINE



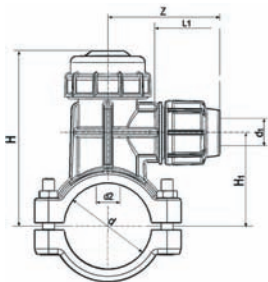
684C - Tapping Saddle for PE and PVC pipes with compression fitting offtake, flat gasket and stainless steel bolts and nuts

- water PN16
- suitable for PE, PEX-a and PVC pipes
- material: PP
- cutter: brass
- gasket: NBR (saddle: O-ring with flat lip; offtake: double lip; sealing cup: O-ring)
- bolts and nuts : stainless steel (bolts:AISI304-A2; nuts:AISI316-A4)
- colour: blue-black
- Key kit type (L=little; M=medium; B=big)
- B= N° of bolts
- M= bolt type



d [mm]	d1 [mm]	PN	B	M	Key Kit type	Code	SP	GP	kg
50	20	16	4	M8X50	L	700 627 748	1	10	0.437
50	25	16	4	M8X50	L	700 627 749	1	10	0.458
50	32	16	4	M8X50	L	700 627 750	1	10	0.486
63	20	16	4	M8X50	L	700 627 751	1	8	0.487
63	25	16	4	M8X50	L	700 627 752	1	8	0.508
63	32	16	4	M8X50	L	700 627 753	1	8	0.536
75	25	16	4	M8X70	M	700 627 754	1	6	0.665
75	32	16	4	M8X70	M	700 627 755	1	6	0.693
75	40	16	4	M8X70	M	700 627 756	1	5	0.795
90	25	16	4	M8X70	M	700 627 757	1	6	0.723
90	32	16	4	M8X70	M	700 627 758	1	5	0.751
90	40	16	4	M8X70	M	700 627 759	1	5	0.853
110	25	16	6	M8X70	M	700 627 760	1	2	1.016
110	32	16	6	M8X70	M	700 627 761	1	2	1.042
110	40	16	6	M8X70	M	700 627 762	1	2	1.141
110	50	16	6	M8X70	B	700 627 763	1	2	1.490
110	63	16	6	M8X70	B	700 627 764	1	1	1.763
110	75	16	6	M8X70	B	700 627 765	1	1	1.821
125	32	16	6	M8X70	B	700 627 766	2	0	1.290
125	40	16	6	M8X70	B	700 627 767	2	0	1.611
125	50	16	6	M8X70	B	700 627 768	2	0	1.699
125	63	16	6	M8X70	B	700 627 769	1	0	1.735
125	75	16	6	M8X70	B	700 627 770	1	0	2.242
140	32	16	6	M10X100	B	700 627 771	1	0	2.164
140	40	16	6	M10X100	B	700 627 772	1	0	2.262
140	50	16	6	M10X100	B	700 627 773	1	0	2.349
140	63	16	6	M10X100	B	700 627 774	1	0	2.622
140	75	16	6	M10X100	B	700 627 775	1	0	2.893
160	32	16	6	M10X110	B	700 627 776	1	0	2.214
160	40	16	6	M10X110	B	700 627 777	1	0	2.312
160	50	16	6	M10X110	B	700 627 778	1	0	2.400
160	63	16	6	M10X110	B	700 627 779	1	0	2.673
160	75	16	6	M10X110	B	700 627 780	1	0	2.943

d [mm]	d1 [mm]	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]
50	20	26	118	58	75	55	80
50	25	26	118	58	75	58	90
50	32	26	118	58	75	64	100
63	20	26	125	65	90	55	80
63	25	26	125	65	90	60	90
63	32	26	125	65	90	63	100
75	25	33	142	75	98	60	90
75	32	33	142	75	98	62	100
75	40	33	142	75	98	74	120
90	25	33	152	85	100	60	90
90	32	33	152	85	100	62	100

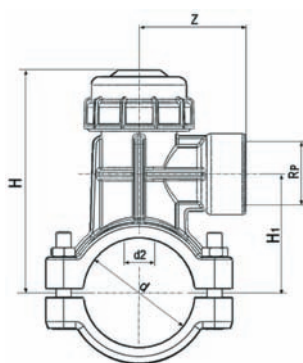


d [mm]	d1 [mm]	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]	
90	40	33	152	85	100	74	120	
110	25	33	190	108	130	60	100	
110	32	33	190	108	130	77	118	
110	40	33	190	118	130	87	130	
110	50	40	205	118	130	108	151	
110	63	40	205	118	130	125	180	
110	75	40	205	118	130	146	205	
125	32	40	210	115	135	76	120	
125	40	40	210	115	135	87	130	
125	50	40	225	130	135	102	146	
125	63	40	225	130	135	128	180	
125	75	40	225	130	135	146	205	
140	32	40	225	125	155	72	120	
140	40	40	225	125	155	87	130	
140	50	40	240	135	155	102	146	
140	63	40	240	135	155	128	180	
140	75	40	240	135	155	146	205	
160	32	40	235	140	160	76	120	
160	40	40	235	140	160	87	130	
160	50	40	250	155	160	110	146	
160	63	40	250	155	160	128	180	
160	75	40	250	155	160	146	205	



684F - Tapping Saddle for PE and PVC pipes with threaded female offtake, flat gasket and stainless steel bolts and nuts

- water PN16
- female thread: ISO 7 (parallel)
- suitable for PE, PEX-a and PVC pipes
- material: PP
- cutter: brass
- gasket: NBR (saddle: O-ring with flat lip; sealing cup: O-ring)
- bolts and nuts : stainless steel (bolts:AISI304-A2; nuts:AISI316-A4)
- colour: blue
- colour: blue-black
- Key kit type (L=little; M=medium; B=big)
- B= N° of bolts
- M= bolt type



d [mm]	Rp [inch]	PN	B	M	Key Kit type	Code	SP	GP	kg	
50	1	16	4	M8X50	L	700 627 791	1	10	0.437	
63	1	16	4	M8X50	L	700 627 792	1	8	0.487	
75	1	16	4	M8X70	M	700 627 793	1	6	0.644	
90	1	16	4	M8X50	M	700 627 794	1	5	0.702	
90	2	16	4	M8X50	M	700 627 795	1	5	0.736	
110	1	16	6	M8X50	M	700 627 796	1	2	0.996	
110	2	16	6	M8X50	B	700 627 797	1	2	1.304	
125	2	16	6	M8X50	B	700 627 798	2	0	1.513	
140	2	16	6	M10X100	B	700 627 799	1	0	2.164	
160	2	16	6	M10X100	B	700 627 800	1	0	2.214	

d [mm]	Rp [inch]	d2 [mm]	H [mm]	H1 [mm]	L [mm]	z [mm]	
50	1	26	118	58	75	61	
63	1	26	125	65	90	61	
75	1	33	142	75	98	61	
90	1	33	152	85	100	61	
90	2	33	152	85	100	72	
110	1	33	190	108	130	78	
110	2	40	205	118	130	80	
125	2	40	225	130	135	80	
140	2	40	240	135	155	80	
160	2	40	250	155	160	80	



Key kit for Tapping Saddle Universal Line

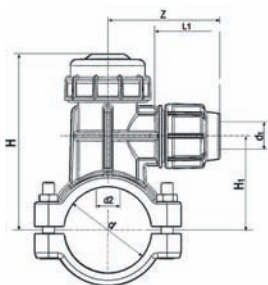
- Essential for Tapping Saddle Universal Line assembly

Dim.	Code	SP	GP	kg	
L (little)	158 001 777	4	0	0.552	
M (medium)	158 001 778	4	0	0.710	
B (big)	158 001 779	4	0	0.896	

POLY16 Plus Tapping Saddle PE LINE

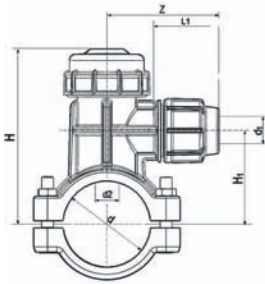
680C - Tapping Saddle for PE pipes with compression fitting offtake, O-ring gasket and galvanized bolts and nuts

- water PN16
- suitable for PE and PEX-a pipes
- material: PP
- cutter: stainless steel (AISI304) and polyacetalic resin (POM)
- gasket: NBR (saddle and sealing cup: O-ring; offtake: double lip)
- bolts and nuts : galvanized
- colour: blue
- colour: blue-black
- B= N° of bolts
- M= bolt type



d [mm]	d1 [mm]	PN	B	M	Code	SP	GP	kg
50	20	16	4	M8X50	700 627 715	1	10	0.385
50	25	16	4	M8x50	700 627 716	1	10	0.406
50	32	16	4	M8X50	700 627 717	1	10	0.434
63	20	16	4	M8X50	700 627 718	1	8	0.435
63	25	16	4	M8X50	700 627 719	1	8	0.456
63	32	16	4	M8X50	700 627 720	1	8	0.484
75	25	16	4	M8X70	700 627 721	1	6	0.595
75	32	16	4	M8X70	700 627 722	1	6	0.623
75	40	16	4	M8X70	700 627 723	1	5	0.725
90	25	16	4	M8X70	700 627 724	1	6	0.653
90	32	16	4	M8X70	700 627 725	1	5	0.681
90	40	16	4	M8X70	700 627 726	1	5	0.784
110	25	16	6	M8X70	700 627 727	1	2	0.937
110	32	16	6	M8X70	700 627 728	1	2	0.963
110	40	16	6	M8X70	700 627 729	1	2	1.062
110	50	16	6	M8X70	700 627 730	1	2	1.290
110	63	16	6	M8X70	700 627 731	1	1	1.563
110	75	16	6	M8X70	700 627 732	1	1	1.622
125	32	16	6	M8X70	700 627 733	2	2	1.313
125	40	16	6	M8X70	700 627 734	2	2	1.412
125	50	16	6	M8X70	700 627 735	2	2	1.499
125	63	16	6	M8X70	700 627 736	1	1	1.772
125	75	16	6	M8X70	700 627 737	1	1	2.042
140	32	16	6	M10X100	700 627 738	1	1	1.940
140	40	16	6	M10X100	700 627 739	1	1	2.038
140	50	16	6	M10X100	700 627 740	1	1	2.126
140	63	16	6	M10X100	700 627 741	1	1	2.399
140	75	16	6	M10X100	700 627 742	1	1	2.669
160	32	16	6	M10X110	700 627 743	1	1	1.990
160	40	16	6	M10X110	700 627 744	1	1	2.089
160	50	16	6	M10X110	700 627 745	1	1	2.176
160	63	16	6	M10X110	700 627 746	1	1	2.449
160	75	16	6	M10X110	700 627 747	1	1	2.719

d [mm]	d1 [mm]	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]
50	20	26	118	58	75	55	80
50	25	26	118	58	75	58	90
50	32	26	118	58	75	64	100
63	20	26	125	65	90	55	80
63	25	26	125	65	90	60	90
63	32	26	125	65	90	63	100
75	25	33	142	75	98	60	90
75	32	33	142	75	98	62	100
75	40	33	142	75	98	74	120
90	25	33	152	85	100	60	90
90	32	33	152	85	100	62	100
90	40	33	152	85	100	74	120
110	25	33	190	108	130	60	100

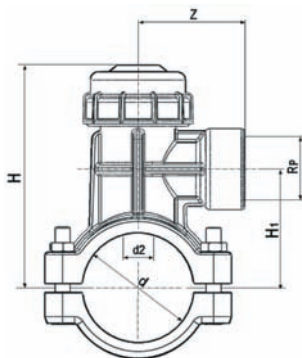


d [mm]	d1 [mm]	d2 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	z [mm]	
110	32	33	190	108	130	77	118	
110	40	33	190	118	130	87	130	
110	50	40	205	118	130	108	151	
110	63	40	205	118	130	125	180	
110	75	40	205	118	130	146	205	
125	32	40	210	115	135	76	120	
125	40	40	210	115	135	87	130	
125	50	40	225	130	135	102	146	
125	63	40	225	130	135	128	180	
125	75	40	225	130	135	146	205	
140	32	40	225	125	155	72	120	
140	40	40	225	125	155	87	130	
140	50	40	240	135	155	102	146	
140	63	40	240	135	155	128	180	
140	75	40	240	135	155	146	205	
160	32	40	235	140	160	76	120	
160	40	40	235	140	160	87	130	
160	50	40	250	155	160	110	146	
160	63	40	250	155	160	128	180	
160	75	40	250	155	160	146	205	



680F - Tapping Saddle for PE pipes with threaded female offtake, O-ring gasket and galvanized bolts and nuts

- water PN16
- female thread: ISO 7 (parallel)
- suitable for PE and PEX-a pipes
- material: PP
- gasket: NBR (saddle and sealing cup: O-ring)
- bolts and nuts : galvanized
- colour: black
- B= N° of bolts
- M= bolt type



d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg	d2 [mm]	H [mm]	H1 [mm]	L [mm]	z [mm]	
50	1	16	4	M8x50	700 627 781	1	10	0.385	26	118	58	75	61	
63	1	16	4	M8x50	700 627 782	1	8	0.435	26	125	65	90	61	
75	1	16	4	M8x70	700 627 783	1	6	0.574	33	142	75	98	61	
90	1	16	4	M8x70	700 627 784	1	5	0.632	33	152	85	100	61	
90	2	16	4	M8x70	700 627 785	1	5	0.666	33	152	85	100	72	
110	1	16	6	M8x70	700 627 786	1	2	0.917	33	190	108	130	78	
110	2	16	6	M8x70	700 627 787	1	2	1.105	40	205	118	130	80	
125	2	16	6	M8x70	700 627 788	2	0	1.313	40	225	130	135	80	
140	2	16	6	M10X100	700 627 789	1	0	1.940	40	240	135	155	80	
160	2	16	6	M10X110	700 627 790	1	0	1.990	40	250	155	160	80	

AN Compression Fittings

Technical information

Materials

Body,Thrust ring:

polypropylene copolymer stabilized (PP-B)

Nut:

polypropylene copolymer stabilized (PP-B) with Master Batches UV stabilized (Grade 8, ASTM D2565, 1-8)

Clamp ring:

Acetalic resin (POM)

Gasket:

Food safe rubber (NBR); d20-63 sh70 / d75-110 sh60

Reinforcement ring:

Stainless Steel AISI 430 (for female thread from 1 1/4 to 4")

Colour

Body,Thrust ring, Rubber: black

Nut: black

Clamp ring: white

Standards

For PE pipes:

DIN 8074; EN 12201-1/2; AS/NZS 4130; BS 6572; BS 6730; ISO 4427; UNI 7990; ISO 12162

Threads:

DIN EN 10226-1/2 (ISO 7-1); BS 21; AS 1722.1

Flanges:

DIN 2501.1; DIN 8063-4; ISO 7005

Test Standards:

ISO 14236; DIN 8076-3; SANS 14236; UNI 9561:2006

Nominal Pressure PFA (PN):

See single item tables



Fittings should be stored protected from ultraviolet radiations

Working temperature range (C): -10 °+45

Relation between working pressure and temperature

TEMPERATURE (C °)	10°/+25°	+26°/+35°	+36°/+45°
PFA* (PN)	16	12,5	10
PFA* (PN)	12,5	10	8
PFA* (PN)	10	8	6
PFA* (PN)	6	4,5	N.A.

* In accordance with EN805

Sanitary

Compression Fittings suitable for drinking water. The materials comply with all major legislations and recommendations for food and potable water contact.

Components and detailed notes



A complete range of compression fittings allows assembly on all types of polyethylene pipes (PE HD, PE LD, PE 80, PE 100) with no need to disassemble the fitting. After loosening the nut the pipe can be inserted directly to the pipe-stop (Push-fit type).

1) The body, in black polypropylene, is designed and manufactured as a unique modular construction with axial reinforcements. The production batch number is moulded on every body thus ensuring easy traceability.

2) The thrust ring, in polypropylene, applies pressure on the lip gasket after the nut has been tightened thus allowing an ideal compression of the gasket on the pipe.

3) The floating split ring, in polyacetal, allows perfect resistance to possible pull out forces without having a negative impact on the tightness of the fitting.

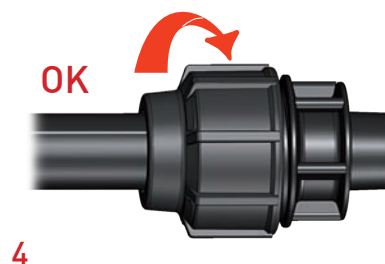
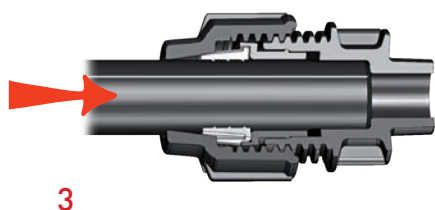
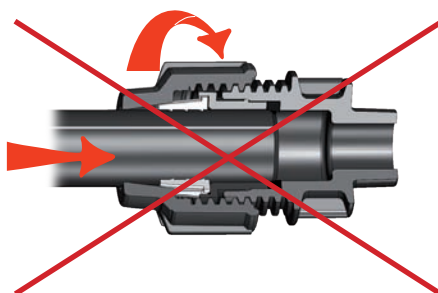
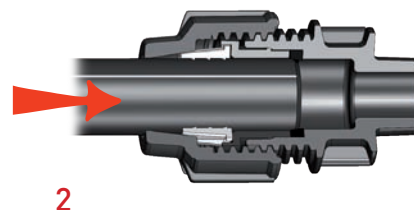
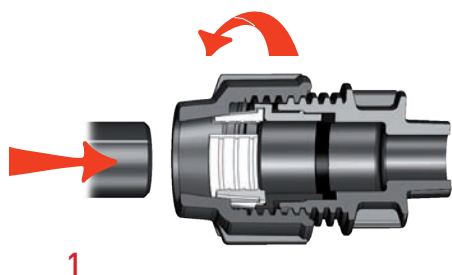
4) The nut in black polypropylene offers an outstanding resistance to impact. The nut in black polypropylene is perfectly resistant to UV rays, too.

5) The only fitting with "prelubricated double lip gasket" in NBR patented by Georg Fischer allowing to overcome: ovalized-scratched-undersized pipes. Thanks to the active sealing system, the double lip gasket guarantees a perfect adherence to the pipe increasing the contact surface. The double lip gasket grants high resistance in case of vacuum and/or suction, too.

AN Compression Fittings Assembly Instructions

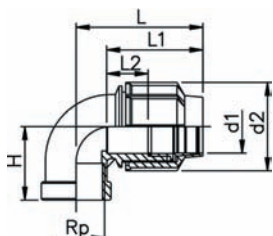
Ø 16 - 110

1. Please check all components (seal, thrust ring, split ring). Cut the pipe square and deburr it. Grease the seal, in case it is dry. Partially unscrew the nut.
2. Mark the insert depth on the pipe. Push the fitting on the pipe through the split ring until the first stop, meaning you have reached the seal.
3. Push the pipe through the seal until you reach the pipe stop of the fitting.
4. Tighten the nut as tightly as possible. Manual or mechanical tightening of the nut with standard wrench until d32. Mechanical tightening of the nut with standard wrench from d40.



AN COMPRESSION FITTINGS

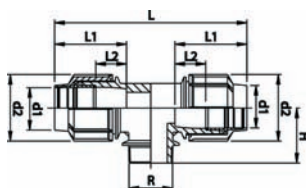
90° Elbow with threaded female offtake



- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: black

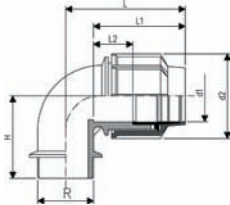
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]
16	1/2	10	700 627 000	25	200	0.061	22	46	71	58	18	50
16	3/4	10	700 627 001	25	200	0.063	22	46	71	58	18	50
20	1/2	10	700 627 002	25	200	0.059	22	46	71	58	18	50
20	3/4	10	700 627 003	25	200	0.062	22	46	71	58	18	50
25	1/2	10	700 627 004	25	150	0.089	28	54	77	63	21	53
25	3/4	10	700 627 005	25	150	0.081	28	54	77	63	21	53
25	1	10	700 627 006	25	125	0.086	28	54	77	63	21	60
32	1/2	10	700 627 007	25	100	0.145	34	64	88	68	19	60
32	3/4	10	700 627 008	25	100	0.138	34	64	85	68	19	60
32	1	10	700 627 009	25	100	0.125	34	64	85	68	19	60
* 40	1 1/4	10	700 627 010	70	0	0.223	42	77	105	78	30	54
* 50	1 1/2	10	700 627 011	50	0	0.279	52	88	105	76	27	55
* 50	2	10	700 627 012	30	0	0.450	53	93	130	97	28	75
* 63	2	10	700 627 013	25	0	0.502	66	106	130	95	29	70
* 75	2 1/2	10	700 627 014	12	0	1.036	78	134	178	129	48	75
* 90	3	10	700 627 015	7	0	1.484	93	156	227	155	62	100
* 110	4	10	700 627 016	4	0	1.903	114	177	247	159	57	116

90° Tee with threaded male offtake



- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: black

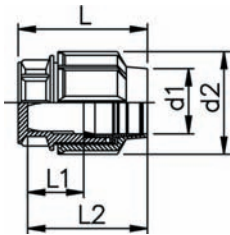
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]
16	1/2	10	700 627 017	25	125	0.097	22	44	134	53	28	50
16	3/4	10	700 627 018	25	125	0.097	22	44	134	53	28	50
20	1/2	10	700 627 019	25	125	0.089	22	44	137	54	26	50
20	3/4	10	700 627 020	25	125	0.095	22	46	143	58	18	50
25	1/2	10	700 627 021	25	75	0.131	28	54	153	59	17	52
25	3/4	10	700 627 023	25	75	0.130	28	54	153	59	17	52
25	1	10	700 627 022	25	75	0.129	28	54	153	59	17	52
32	3/4	10	700 627 024	15	45	0.206	34	64	175	59	19	58
32	1	10	700 627 025	15	45	0.201	34	60	166	63	27	59
40	1 1/4	10	700 627 026	35	0	0.349	42	77	210	78	30	73
50	1 1/2	10	700 627 027	25	0	0.425	52	88	210	76	27	76
63	2	10	700 627 028	16	0	0.675	66	106	262	95	29	82



90° Elbow with threaded male offtake

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: black

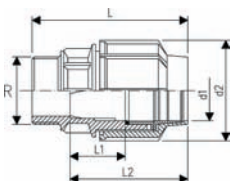
d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]
16	1/2	10	700 627 029	25	200	0.056	22	46	71	58	18	50
16	3/4	10	700 627 030	25	200	0.056	22	46	71	58	19	50
20	1/2	10	700 627 031	25	200	0.053	22	44	69	54	26	50
20	3/4	10	700 627 032	25	200	0.054	22	46	71	58	18	50
25	1/2	10	700 627 034	25	175	0.077	27	54	77	63	21	53
25	3/4	10	700 627 035	25	175	0.075	28	54	77	63	21	53
25	1	10	700 627 033	25	150	0.072	27	54	77	63	21	53
32	1	10	700 627 036	25	100	0.119	34	64	88	68	22	60
40	1 1/4	10	700 627 037	65	0	0.216	42	77	105	77	30	76
50	1 1/2	10	700 627 038	50	0	0.264	52	88	110	76	26	77
63	2	10	700 627 039	25	0	0.434	66	106	130	95	29	82



End cap

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- colour: black

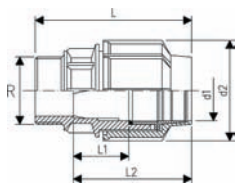
d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]
16	10	700 627 040	25	350	0.044	22	44	59	26	56
20	10	700 627 041	25	350	0.042	22	44	59	26	56
25	10	700 627 042	25	200	0.059	28	52	63	32	59
32	10	700 627 043	25	125	0.082	34	60	66	27	63
40	10	700 627 044	90	0	0.134	52	88	87	30	81
50	10	700 627 045	75	0	0.173	42	77	84	31	79
63	10	700 627 046	30	0	0.308	66	106	108	43	103
75	10	700 627 047	22	0	0.791	78	134	178	55	136
90	10	700 627 048	10	0	1.011	93	156	208	68	162
110	10	700 627 049	7	0	1.327	114	177	224	71	175



Male adaptor

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- male thread: ISO 7 (conical)
- colour: black

d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]
16	1/2	10	700 627 050	25	350	0.045	22	44	73	27	52
16	3/4	10	700 627 051	25	325	0.047	22	44	71	31	57
20	1/2	10	700 627 052	25	350	0.044	22	44	76	24	55
20	3/4	10	700 627 053	25	325	0.046	22	44	75	25	55
25	1/2	10	700 627 054	25	200	0.060	28	52	81	32	61
25	3/4	10	700 627 055	25	200	0.063	28	52	80	29	60
25	1	10	700 627 056	25	200	0.064	28	52	80	32	60
32	3/4	10	700 627 057	25	125	0.085	34	60	83	26	63

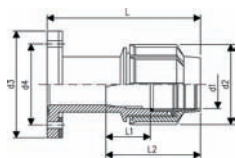


d [mm]	R [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
32	1	10	700 627 058	25	125	0.085	34	60	83	26	63	
32	1 ¼	10	700 627 059	25	125	0.090	34	60	81	25	60	
40	1	10	700 627 060	80	0	0.138	42	77	104	30	78	
40	1 ¼	10	700 627 062	80	0	0.140	42	77	105	30	78	
40	1 ½	10	700 627 061	80	0	0.143	42	77	105	30	78	
50	1 ½	10	700 627 063	65	0	0.176	52	88	109	32	82	
50	2	10	700 627 064	60	0	0.182	52	88	109	32	82	
63	1 ½	10	700 627 065	30	0	0.307	66	106	128	43	103	
63	2	10	700 627 066	30	0	0.319	66	106	133	43	103	
63	2 ½	10	700 627 067	20	0	0.579	65	117	160	41	119	
75	2	10	700 627 068	18	0	0.810	78	134	173	56	136	
75	2 ½	10	700 627 069	18	0	0.813	78	134	174	56	136	
75	3	10	700 627 070	18	0	0.838	78	134	178	56	136	
90	2	10	700 627 071	10	0	1.309	93	160	205	68	168	
90	2 ½	10	700 627 072	10	0	0.984	93	156	203	68	161	
90	3	10	700 627 073	10	0	0.994	93	156	203	68	161	
90	4	10	700 627 074	10	0	1.047	93	156	203	68	161	
110	4	10	700 627 075	7	0	1.328	114	177	226	71	175	



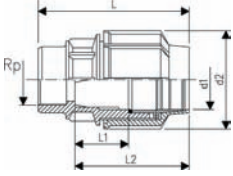
Flanged joint without metal flange

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- colour: black



d [mm]	Inch	DN [mm]	PN	Code	SP	GP	kg	
50	2	50	10	700 627 076	16	0	0.539	
63	2	50	10	700 627 077	12	0	0.827	
63	2 ½	65	10	700 627 078	12	0	0.870	
75	2 ½	65	10	700 627 079	8	0	1.036	
75	3	80	10	700 627 080	6	0	1.129	
90	3	80	10	700 627 081	5	0	1.664	
90	4	100	10	700 627 082	5	0	1.792	
110	4	100	10	700 627 083	4	0	2.196	

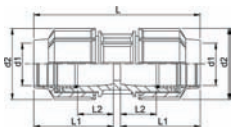
d [mm]	Inch	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	
50	2	54	93	174	125	170	36	100	
63	2	65	117	174	125	193	48	126	
63	2 ½	65	117	185	145	195	48	127	
75	2 ½	78	134	185	145	197	104	185	
75	3	78	134	200	160	197	82	162	
90	3	93	160	200	160	232	65	166	
90	4	93	160	220	181	232	65	166	
110	4	113	181	220	181	239	107	220	



Female adaptor

- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: black

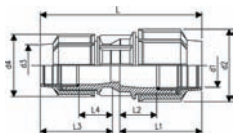
d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	1/2	10	700 627 084	25	325	0.046	22	44	77	25	54	
16	3/4	10	700 627 085	25	300	0.052	22	44	77	25	54	
20	1/2	10	700 627 086	25	325	0.045	22	44	77	25	54	
20	3/4	10	700 627 087	25	300	0.051	22	44	77	25	54	
25	1/2	10	700 627 088	25	200	0.067	28	54	87	21	63	
25	3/4	10	700 627 089	25	200	0.064	28	54	87	21	63	
25	1	10	700 627 090	25	150	0.071	28	54	87	21	63	
32	3/4	10	700 627 091	25	125	0.098	34	64	94	21	67	
32	1	10	700 627 092	25	125	0.094	34	64	94	21	67	
* 32	1 1/4	10	700 627 093	25	125	0.116	34	64	92	18	64	
40	1	10	700 627 094	80	0	0.156	42	77	105	30	78	
* 40	1 1/4	10	700 627 095	80	0	0.172	42	77	105	30	78	
* 50	1 1/4	10	700 627 097	70	0	0.212	52	86	111	32	82	
* 50	1 1/2	10	700 627 096	70	0	0.221	52	86	111	32	82	
* 63	1 1/2	10	700 627 098	30	0	0.334	66	106	127	34	94	
* 63	2	10	700 627 099	30	0	0.347	66	106	127	34	94	
* 75	2	10	700 627 100	18	0	0.881	78	134	169	55	136	
* 75	2 1/2	10	700 627 101	18	0	0.888	78	134	174	55	135	
* 90	2	10	700 627 102	10	0	1.053	93	156	202	68	160	
* 90	2 1/2	10	700 627 103	10	0	1.057	93	156	202	68	160	
* 90	3	10	700 627 104	10	0	1.064	93	156	202	68	160	
* 110	3	10	700 627 105	6	0	1.349	114	177	222	71	175	
* 110	4	10	700 627 106	6	0	1.404	114	177	222	71	175	



Coupling

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- gasket: NBR quality for drinkable water
- material: PP
- colour: black

d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	10	700 627 107	25	175	0.081	22	44	117	57	32	
20	10	700 627 108	25	175	0.078	22	44	122	60	32	
25	10	700 627 109	25	100	0.109	28	52	122	60	31	
32	10	700 627 110	25	50	0.151	34	60	126	60	25	
40	10	700 627 111	45	0	0.261	42	77	178	88	40	
50	10	700 627 112	35	0	0.339	52	88	195	96	46	
63	10	700 627 113	20	0	0.569	66	106	214	105	45	
75	10	700 627 114	12	0	1.412	78	134	290	143	53	
90	10	700 627 115	5	0	1.729	93	156	314	155	61	
110	10	700 627 116	3	0	2.264	114	177	354	172	71	

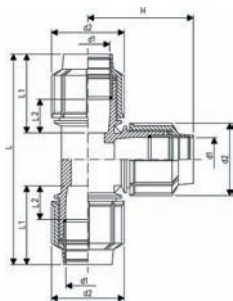


Reducing coupling

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- gasket: NBR quality for drinkable water
- material: PP
- colour: black

d-d [mm]	PN	Code	SP	GP	kg	
20 - 16	10	700 627 117	25	175	0.076	
25 - 20	10	700 627 118	25	150	0.097	
32 - 25	10	700 627 119	25	75	0.138	
40 - 32	10	700 627 120	60	0	0.224	
50 - 40	10	700 627 121	40	0	0.312	
63 - 50	10	700 627 122	20	0	0.479	
75 - 63	10	700 627 123	12	0	1.220	
90 - 63	10	700 627 124	6	0	1.719	
90 - 75	10	700 627 125	6	0	1.932	
110 - 90	10	700 627 126	4	0	2.918	

d-d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	
20 - 16	22	44	22	44	118	60	33	56	31	
25 - 20	28	52	22	44	121	59	30	61	33	
32 - 25	34	60	28	52	124	61	25	61	32	
40 - 32	42	77	34	60	164	110	62	61	25	
50 - 40	52	88	42	77	194	125	76	110	62	
63 - 50	66	106	52	86	205	135	75	70	21	
75 - 63	78	134	65	117	249	129	48	116	37	
90 - 63	93	156	65	117	355	188	87	160	82	
90 - 75	93	156	78	134	366	188	87	175	94	
110 - 90	114	177	93	156	411	211	93	195	87	



90° Tee

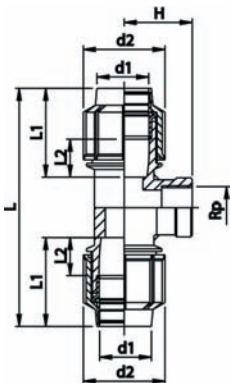
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- colour: black

d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
16	10	700 627 127	25	100	0.127	22	44	134	53	28	68	
20	10	700 627 128	25	100	0.124	22	44	137	54	26	69	
25	10	700 627 129	25	50	0.166	28	54	153	58	17	76	
32	10	700 627 130	15	30	0.252	34	64	175	66	19	88	
40	10	700 627 131	30	0	0.429	42	77	210	78	30	105	
50	10	700 627 132	20	0	0.529	52	88	210	75	27	105	
63	10	700 627 133	10	0	0.895	66	106	262	95	29	130	
75	10	700 627 134	5	0	2.370	78	134	360	129	48	180	
90	10	700 627 135	2	0	3.244	93	156	455	175	83	227	
110	10	700 627 136	1	0	4.224	114	177	490	182	79	224	



90° Tee with threaded female offtake

- (*) with stainless steel reinforcement ring **AISI430**
- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- material: PP
- gasket: NBR quality for drinkable water
- female thread: ISO 7 (parallel)
- colour: black

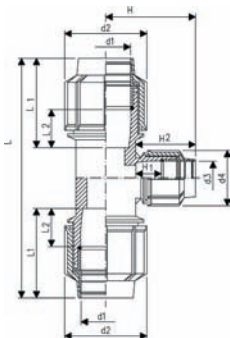


d [mm]	Rp [inch]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	
16	1/2	10	700 627 137	25	125	0.101	22	44	134	53	28	48	
16	3/4	10	700 627 138	25	125	0.106	22	44	134	53	28	53	
20	1/2	10	700 627 139	25	125	0.092	22	44	137	54	26	48	
20	3/4	10	700 627 140	25	125	0.096	22	44	137	54	26	53	
25	1/2	10	700 627 141	25	75	0.142	28	54	153	59	17	52	
25	3/4	10	700 627 142	25	75	0.136	28	54	153	59	17	53	
25	1	10	700 627 143	25	75	0.142	28	54	153	59	17	60	
32	1/2	10	700 627 144	15	45	0.225	34	64	175	66	19	60	
32	3/4	10	700 627 145	15	45	0.219	34	64	175	66	19	60	
32	1	10	700 627 146	15	45	0.207	34	64	175	66	19	60	
40	1	10	700 627 147	35	0	0.462	44	82	238	87	27	53	
* 40	1 1/4	10	700 627 148	35	0	0.362	42	77	210	78	30	54	
* 50	1 1/2	10	700 627 149	25	0	0.445	52	88	210	76	27	55	
* 63	1 1/2	10	700 627 150	8	0	1.207	65	117	317	113	35	70	
* 63	2	10	700 627 151	15	0	0.767	66	106	262	95	29	70	
* 75	2 1/2	10	700 627 152	8	0	1.788	78	134	360	129	48	75	
* 90	3	10	700 627 153	4	0	2.502	93	156	455	175	83	101	
* 110	4	10	700 627 154	2	0	3.264	114	177	490	182	79	115	



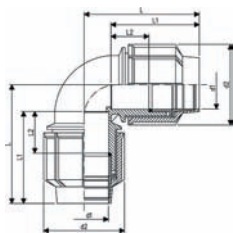
90° reducing-increasing Tee

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- gasket: NBR quality for drinkable water
- material: PP
- colour: black



d-d-d [mm]	PN	Code	SP	GP	kg	
20 - 16 - 20	10	700 627 155	25	100	0.120	
20 - 25 - 20	10	700 627 156	25	75	0.134	
25 - 20 - 25	10	700 627 157	25	50	0.158	
25 - 32 - 25	10	700 627 158	15	45	0.189	
32 - 25 - 32	10	700 627 159	15	30	0.237	
40 - 32 - 40	10	700 627 160	20	0	0.514	
50 - 40 - 50	10	700 627 161	12	0	0.769	
63 - 50 - 63	10	700 627 162	8	0	1.366	
75 - 63 - 75	10	700 627 163	5	0	2.127	

d-d-d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	
20 - 16 - 20	22	46	22	46	143	58	18	57	18	
20 - 25 - 20	22	46	28	54	144	58	18	59	17	
25 - 20 - 25	28	54	22	46	153	58	17	58	18	
25 - 32 - 25	28	54	35	64	155	59	17	65	19	
32 - 25 - 32	35	64	28	54	173	64	19	63	21	
40 - 32 - 40	44	82	35	64	238	87	27	66	21	
50 - 40 - 50	53	93	44	82	259	96	28	94	38	
63 - 50 - 63	65	117	53	93	317	113	35	90	28	
75 - 63 - 75	78	134	65	117	360	129	48	113	35	



90° Elbow

- active sealing system (with thrust ring); double lip gasket;
- installation without disassembling
- suitable for PE and PEX-a pipes
- water PN10
- gasket: NBR quality for drinkable water
- material: PP
- colour: black

d [mm]	PN	Code	SP	GP	kg	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	L2 [mm]	
16	10	700 627 164	25	150	0.084	22	46	71	58	18	
20	10	700 627 165	25	150	0.080	22	44	69	54	26	
25	10	700 627 166	25	100	0.110	28	54	77	63	21	
32	10	700 627 167	25	50	0.168	34	64	88	68	19	
40	10	700 627 168	45	0	0.293	42	77	105	78	30	
50	10	700 627 169	30	0	0.362	52	88	105	76	27	
63	10	700 627 170	15	0	0.619	66	106	130	95	29	
75	10	700 627 171	8	0	1.613	78	134	178	129	48	
90	10	700 627 172	4	0	2.283	93	156	227	155	63	
110	10	700 627 173	2	0	2.979	114	177	247	159	57	

AN Black Clamp Saddles without reinforcement ring

Technical information

Materials

Body:

polypropylene copolymer stabilized (PP-B) with Master Batches UV stabilized (Grade 8, ASTM D2565, 1-8)

Gasket:

Food safe rubber (NBR); 70 sh

Bolts and nuts:

galvanized

Standards

For PE pipes:

ISO 11922-1; ISO 4427; DIN 8074; AS/NZS 4130; EN 12201-1/2; BS 6572; BS 6730; UNI 7990

For PVC pipes:

UNI EN 1452-1/2

Threads:

DIN EN 10226-1/2 (ISO 7-1); BS 21; AS 1722.1

Test standards:

AS/ZNS 4129; ISO 13460

Nominal Pressure PFA (PN):

See single item tables



Saddles should be stored protected from ultraviolet radiations

Working temperature range (C): -10 °+45

Relation between working pressure and temperature

TEMPERATURE (C °)	10°/+25°	+26°/+35°	+36°/+45°
PFA* (PN)	16	12,5	10
PFA* (PN)	12,5	10	8
PFA* (PN)	10	8	6
PFA* (PN)	6	4,5	N.A.

* In accordance with EN805

Sanitary

Clamp Saddles suitable for drinking water. The materials comply with all major legislations and recommendations for food and potable water contact.

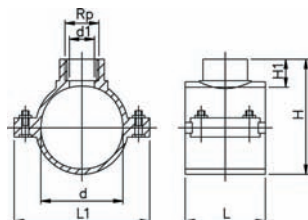
List of abbreviations

BS	British Standard	DN	Nominal diameter
DIN	Deutsche Industrie-Norm	PFA (PN)	Working pressure allowable
ISO	International Standardization Organization	kg	Weight in kilograms
PP	Polypropylene	R	Conical Male thread
PE	Polyethylene	Rp	Parallel female thread
NBR	Nitrile butadiene rubber	SP	Standard Pack
d	Pipe outside diameter	GP	Gross Pack

Minimum order quantity: GP when indicated, SP otherwise

AN BLACK CLAMP SADDLES

150 - Black clamp saddles with O-ring gasket and galvanized bolts and nuts (PN12,5)



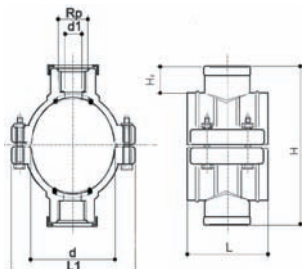
- B = No. of bolts
- M = bolt type
- suitable for PE and PVC pipes
- material: PP
- female thread: ISO 7 (parallel)

d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
20	1/2	12,5	2	M8X30	158 001 590	1	180	0.109	12	46	77	59	26
25	1/2	12,5	2	M8X30	158 001 591	1	150	0.100	13	49	79	58	15
25	3/4	12,5	2	M8X30	158 001 592	1	150	0.104	13	49	79	58	15
32	1/2	12,5	2	M8X30	158 001 593	1	150	0.093	14	49	79	62	20
32	3/4	12,5	2	M8X30	158 001 594	1	150	0.097	14	49	79	62	20
32	1	12,5	2	M8X30	158 001 595	1	100	0.139	14	62	87	70	20
40	1/2	12,5	2	M8X40	158 001 596	1	100	0.124	21	62	86	71	20
40	3/4	12,5	2	M8X40	158 001 597	1	100	0.125	21	62	86	71	20
40	1	12,5	2	M8X40	158 001 598	1	100	0.128	21	62	86	70	19
50	1/2	12,5	2	M8X40	158 001 599	1	100	0.134	21	62	86	82	20
50	3/4	12,5	2	M8X40	158 001 600	1	100	0.137	21	62	86	82	20
50	1	12,5	2	M8X40	158 001 601	1	100	0.139	21	62	86	82	20
50	1 1/4	12,5	2	M8X40	158 001 602	1	100	0.137	21	62	86	82	20
63	1/2	12,5	4	M8X40	158 001 605	1	70	0.201	18	62	101	96	21
63	3/4	12,5	4	M8X40	158 001 606	1	70	0.203	24	62	101	96	21
63	1	12,5	4	M8X40	158 001 607	1	70	0.205	31	62	101	96	21
63	1 1/4	12,5	4	M8X40	158 001 609	1	60	0.211	31	62	101	96	21
63	1 1/2	12,5	4	M8X40	158 001 608	1	60	0.218	31	62	101	96	21
75	1/2	12,5	4	M8X70	158 001 610	1	40	0.342	16	79	123	102	14
75	3/4	12,5	4	M8X70	158 001 611	1	40	0.345	21	79	123	104	16
75	1	12,5	4	M8X70	158 001 612	1	40	0.349	27	79	123	107	19
75	1 1/4	12,5	4	M8X70	158 001 614	1	40	0.352	35	79	123	109	21
75	1 1/2	12,5	4	M8X70	158 001 613	1	40	0.354	42	79	123	109	21
75	2	12,5	4	M8X70	158 001 615	1	40	0.366	53	79	123	112	24
90	1/2	12,5	4	M8X70	158 001 616	1	34	0.391	16	87	138	116	14
90	3/4	12,5	4	M8X70	158 001 617	1	34	0.392	21	87	138	118	16
90	1	12,5	4	M8X70	158 001 618	1	34	0.396	27	87	138	121	19
90	1 1/4	12,5	4	M8X70	158 001 620	1	34	0.403	35	87	138	123	21
90	1 1/2	12,5	4	M8X70	158 001 619	1	30	0.404	42	87	138	123	21
90	2	12,5	4	M8X70	158 001 621	1	30	0.412	53	87	138	126	24
110	1/2	12,5	4	M8X50	158 001 622	1	20	0.430	15	99	152	150	23
110	3/4	12,5	4	M8X50	158 001 623	1	20	0.433	20	99	152	150	23
110	1	12,5	4	M8X50	158 001 624	1	20	0.430	26	99	152	150	23
110	1 1/4	12,5	4	M8X50	158 001 626	1	20	0.433	35	99	152	150	23
110	1 1/2	12,5	4	M8X50	158 001 625	1	20	0.439	41	99	152	150	23
110	2	12,5	4	M8X50	158 001 627	1	20	0.443	51	99	152	150	23
125	1/2	12,5	4	M8X50	158 001 628	1	20	0.501	15	101	166	169	24
125	3/4	12,5	4	M8X50	158 001 629	1	20	0.500	20	101	166	169	24
125	1	12,5	4	M8X50	158 001 630	1	20	0.496	26	101	166	169	24
125	1 1/4	12,5	4	M8X50	158 001 632	1	20	0.503	35	101	166	168	23
125	1 1/2	12,5	4	M8X50	158 001 631	1	20	0.500	41	101	166	168	23
125	2	12,5	4	M8X50	158 001 671	1	20	0.505	50	101	166	168	23
140	1/2	12,5	4	M8X70	158 001 257	20	0	0.815	18	114	207	191	25
140	3/4	12,5	4	M8X70	158 001 258	20	0	0.809	24	114	207	190	24
140	1	12,5	4	M8X70	158 001 259	20	0	0.821	30	114	207	190	24
140	1 1/4	12,5	4	M8X70	158 001 261	20	0	0.815	38	114	207	190	24
140	1 1/2	12,5	4	M8X70	158 001 260	20	0	0.821	45	114	207	189	23
140	2	12,5	4	M8X70	158 001 262	20	0	0.815	50	114	207	190	24
160	1/2	12,5	4	M8X70	158 001 263	20	0	0.879	18	114	226	215	24
160	3/4	12,5	4	M8X70	158 001 264	20	0	0.879	24	114	226	215	24
160	1	12,5	4	M8X70	158 001 265	20	0	0.888	30	114	226	215	24
160	1 1/4	12,5	4	M8X70	158 001 267	20	0	0.884	37	114	226	215	24
160	1 1/2	12,5	4	M8X70	158 001 266	20	0	0.888	45	114	226	215	24
160	2	12,5	4	M8X70	158 001 268	20	0	0.890	50	114	226	215	24



160 - Double black clamp saddles with O-ring gasket and galvanized bolts and nuts (PN12,5)

- B = No. of bolts
- M = bolt type
- suitable for PE and PVC pipes
- material: PP
- female thread: ISO 7 (parallel)



d [mm]	Rp [inch]	PN	B	M	Code	SP	GP	kg	d1 [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
25	1/2	12.5	2	M8X30	158 001 633	1	150	0.110	13	49	79	80	15
25	3/4	12.5	2	M8X30	158 001 634	1	150	0.118	13	49	79	80	15
32	1/2	12.5	2	M8X30	158 001 635	1	150	0.104	14	49	79	80	20
32	3/4	12.5	2	M8X30	158 001 636	1	150	0.112	14	49	79	80	20
32	1	12.5	2	M8X40	158 001 269	1	100	0.166	14	62	87	87	20
40	1/2	12.5	2	M8X50	158 001 637	1	100	0.146	21	62	86	91	20
40	3/4	12.5	2	M8X50	158 001 638	1	100	0.148	21	62	86	91	20
40	1	12.5	2	M8X50	158 001 712	1	100	0.154	42	87	138	145	21
50	1/2	12.5	4	M8X50	158 001 639	1	100	0.154	21	62	86	101	20
50	3/4	12.5	2	M8X50	158 001 640	1	100	0.160	21	62	86	101	20
50	1	12.5	2	M8X50	158 001 641	1	100	0.164	21	62	86	101	20
63	1/2	12.5	4	M8X50	158 001 642	1	60	0.230	18	62	101	115	21
63	3/4	12.5	4	M8X50	158 001 643	1	60	0.234	24	62	101	115	21
63	1	12.5	4	M8X50	158 001 644	1	60	0.238	31	62	101	115	21
63	1 1/4	12.5	4	M8X50	158 001 646	1	60	0.250	31	62	101	115	21
63	1 1/2	12.5	4	M8X50	158 001 645	1	60	0.264	31	62	101	115	21
75	1/2	12.5	4	M8X70	158 001 647	1	40	0.360	16	79	123	115	14
75	3/4	12.5	4	M8X70	158 001 648	1	40	0.366	21	79	123	119	16
75	1	12.5	4	M8X70	158 001 649	1	40	0.374	27	79	123	125	19
75	1 1/4	12.5	4	M8X70	158 001 651	1	40	0.380	42	79	123	129	21
75	1 1/2	12.5	4	M8X70	158 001 650	1	40	0.384	35	79	123	129	21
75	2	12.5	4	M8X70	158 001 652	1	40	0.408	53	79	123	135	24
90	1/2	12.5	4	M8X70	158 001 653	1	30	0.406	16	87	138	129	14
90	3/4	12.5	4	M8X70	158 001 654	1	30	0.408	21	87	138	133	16
90	1	12.5	4	M8X70	158 001 655	1	30	0.416	27	87	138	139	19
90	1 1/4	12.5	4	M8X70	158 001 657	1	30	0.430	35	87	138	145	21
90	1 1/2	12.5	4	M8X70	158 001 656	1	30	0.432	42	87	138	145	21
90	2	12.5	4	M8X70	158 001 658	1	30	0.448	53	87	138	151	24
110	1/2	12.5	4	M8X70	158 001 659	1	20	0.466	15	99	152	169	23
110	3/4	12.5	4	M8X70	158 001 660	1	20	0.472	20	99	152	169	23
110	1	12.5	4	M8X70	158 001 661	1	20	0.466	26	99	152	169	23
110	1 1/4	12.5	4	M8X70	158 001 663	1	20	0.472	35	99	152	169	23
110	1 1/2	12.5	4	M8X70	158 001 662	1	20	0.484	41	99	152	169	23
110	2	12.5	4	M8X70	158 001 664	1	20	0.492	51	99	152	169	23
125	1/2	12.5	4	M8X70	158 001 665	1	20	0.544	15	101	166	189	24
125	3/4	12.5	4	M8X70	158 001 666	1	20	0.542	20	101	166	189	24
125	1	12.5	4	M8X70	158 001 667	1	20	0.534	26	101	166	189	24
125	1 1/4	12.5	4	M8X70	158 001 669	1	20	0.548	35	101	166	188	23
125	1 1/2	12.5	4	M8X70	158 001 668	1	20	0.542	41	101	166	188	23
125	2	12.5	4	M8X70	158 001 670	1	20	0.552	50	101	166	188	23

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