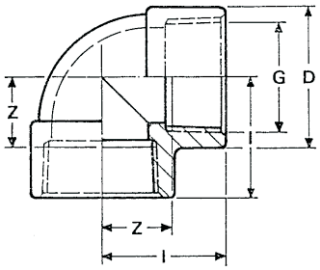
Joelhos a 90°

Elbows 90°

Coudes à 90°

Codos 90°

01 01 1001 000



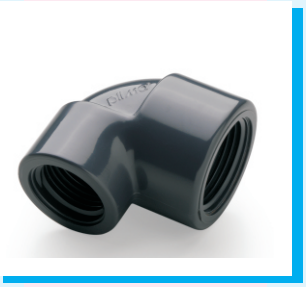
G	D	l	Z	Gr	Quant	Nº Código
" 1/2	30	28	14	30	B 120	01 01 1001 012
" 3/4	37	33	17	47	B 70	01 01 1001 034
1 "	45	38	20	74	B 40	01 01 1001 100
1" 1/4	53	45	25	107	B 25	01 01 1001 114
1" 1/2	64	50	30	174	B 15	01 01 1001 150
2 "	76	60	35	270	B 10	01 01 1001 200
2" 1/2	88	82	52	367	B 6	01 01 1001 250
3 "	105	97	67	666	C 12	01 01 1001 300
4 "	132	121	82	1260	C 5	01 01 1001 400

Joelhos de redução a 90º

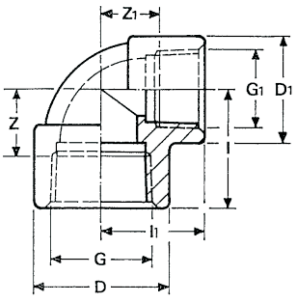
Reducing elbows 90º

Coudes de réduction à 90º

Codos 90º reducidos



01 01 1002 000



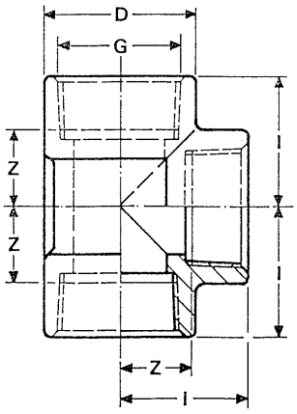
G	G1	D	D1	I	I1	Z	Z1	Gr	Quant	Nº Código
" 3/4	" 1/2	37	30	33	28	17	14	37	B 90	01 01 1002 005

Tês a 90°

Tees 90°

Tés à 90°

Tes 90°



G	D	I	Z	Gr	Quant	Nº Código
" 1/2	30	28	14	40	B 80	01 01 1003 012
" 3/4	37	33	17	63	B 40	01 01 1003 034
1 "	45	38	20	100	B 30	01 01 1003 100
1" 1/4	53	45	25	142	B 20	01 01 1003 114
1" 1/2	64	50	30	236	B 12	01 01 1003 150
2 "	76	60	35	360	B 9	01 01 1003 200
2" 1/2	88.5	82	52	540	B 3	01 01 1003 250
3 "	105	97	67	860	C 8	01 01 1003 300
4 "	132	120	81	1580	C 4	01 01 1003 400

01 01 1003 000

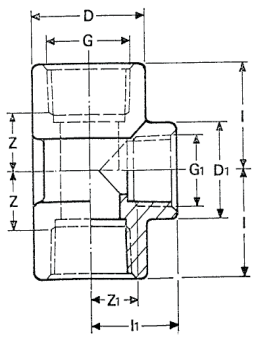
Tês de redução a 90°

Reducing tees 90°

Tés de réduction à 90°

Tes 90° reducidas

01 01 1004 000



G	G1	D	D1	I	I1	Z	Z1	Gr	Quant	Nº Código
" 3/4	" 1/2	37	30	33	28	17	14	56	B 50	01 01 1004 005

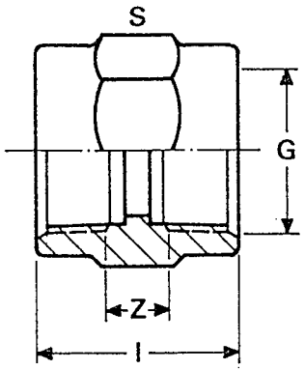
Uniões simples

Sockets

Manchons

Manguitos union

01 01 1005 000



G	l	Z	S	Gr	Quant	Nº Código
" 1/2	36	8	32	23	B 130	01 01 1005 012
" 3/4	39	8	38	34	B 90	01 01 1005 034
1 "	45	9	46	52	B 50	01 01 1005 100
1" 1/4	50	10	55	72	B 40	01 01 1005 114
1" 1/2	55	15	64	120	B 30	01 01 1005 150
2 "	65	15	78	200	B 18	01 01 1005 200
2" 1/2	70	8	92	190	B 9	01 01 1005 250
3 "	77	10	112	330	B 6	01 01 1005 300
4 "	130	52	129	626	C 12	01 01 1005 400

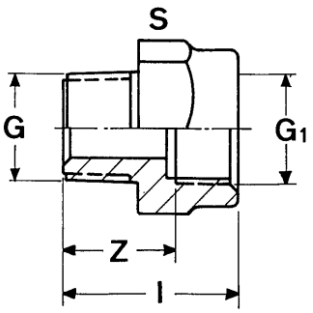
Uniões macho / fêmea

Sockets male / female

Manchons mâle / femelle

Manguitos macho / hembra

01 01 1169 000



G	G1	S	l	Z	Gr	Quant	Nº Código
" 1/2	" 1/2	32	37	20	19	A 30	01 01 1169 012
" 3/4	" 3/4	38	42	24	31	B 100	01 01 1169 034
1 "	1 "	46	42	22	37	B 50	01 01 1169 100
1" 1/4	1" 1/4	55	53	31	76	B 35	01 01 1169 114
1" 1/2	1" 1/2	64	55	31	97	B 30	01 01 1169 150
2 "	2 "	78	61	33	154	B 20	01 01 1169 200
4 "	4 "	130	113	70	560	C 12	01 01 1169 400

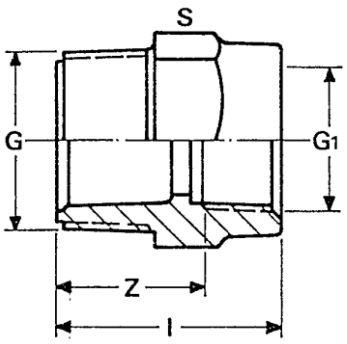
União de redução macho/fêmea

Reducer male/female

Mamelon de réduction mâle/femelle

Reducción macho/hembra

01 01 1006 000



G	G1	l	Z	S	Gr	Quant	Nº Código
" 3/8	" 1/4	26	14	19	6	A 100	01 01 1006 001
" 3/8	" 1/2	32	16	32	16	A 50	01 01 1006 024
" 1/2	" 1/8	32	20	20	7	A 80	01 01 1006 022
" 1/2	" 1/4	32	19	20	9	A 50	01 01 1006 004
" 1/2	" 3/8	32	19	24	10	A 50	01 01 1006 002
" 1/2	" 3/4	40	26	38	30	B 120	01 01 1006 003
" 3/4	" 3/8	33.5	20	27	14	B 200	01 01 1006 026
" 3/4	" 1/2	39	25	32	23	B 150	01 01 1006 005
" 3/4	1 "	43	25	46	39	B 80	01 01 1006 027
1 "	" 1/2	42	31	32	27	B 110	01 01 1006 006
1 "	" 3/4	45	29	38	35	B 90	01 01 1006 007
1 "	1"1/4	52	29	55	62	B 40	01 01 1006 030
1" 1/4	" 1/2	46	32	32	41	B 60	01 01 1006 008
1" 1/4	" 3/4	50	34	38	49	B 50	01 01 1006 009
1" 1/4	1 "	50	32	46	59	B 50	01 01 1006 010
1" 1/4	1"1/2	54	30	65	100	B 30	01 01 1006 033
1" 1/2	" 1/2	48	32	32	45	B 50	01 01 1006 011
1" 1/2	" 3/4	51	34	38	52	B 50	01 01 1006 012
1" 1/2	1 "	52	32	46	60	B 50	01 01 1006 013
1" 1/2	1" 1/4	51.5	30	55	66	B 35	01 01 1006 014
1" 1/2	2 "	57	30	79	135	B 20	01 01 1006 036

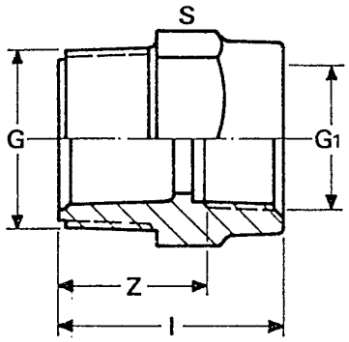
União de redução macho/fêmea

Reducer male/female

Mamelon de réduction mâle/femelle

Reducción macho/hembra

01 01 1006 000



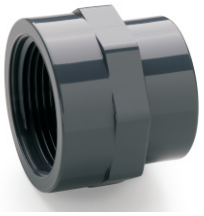
G	G1	l	Z	S	Gr	Quant	Nº Código
2 "	" 3/4	55	37	38	78	B 35	01 01 1006 015
2 "	1 "	55	36	46	86	B 35	01 01 1006 016
2 "	1" 1/4	58	37	55	98	B 35	01 01 1006 017
2 "	1" 1/2	60	36	64	119	B 25	01 01 1006 018
2 "	4 "	100	57	130	534	C 18	01 01 1006 041
2 " 1/2	2 "	37	61	79	160	B 20	01 01 1006 049
2 " 1/2	4 "	104	61	130	515	C 18	01 01 1006 051
3 "	4 "	107	64	130	531	C 18	01 01 1006 061

Uniões de redução fêmea/fêmea

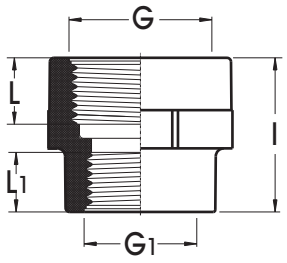
Reducers female/female

Mamelons de réduction femelle/femelle

Reducciones hembra/hembra



01 01 1007 000



G	G 1	I	L	L1	S	Gr	Quant	Nº Código
" 3/4	" 1/2	33.5	15	13	38	25	B 120	01 01 1007 005
1 "	" 1/2	36	17	13	46	35	B 80	01 01 1007 006
1 "	" 3/4	38	17	15	46	40	B 70	01 01 1007 007
1" 1/4	" 1/2	40	22	13	53	50	B 80	01 01 1007 008
1" 1/4	" 3/4	43	22	15	53	52	B 70	01 01 1007 009
1" 1/4	1 "	45	22	17	53	58	B 60	01 01 1007 010
1" 1/2	" 1/2	44	23	13	65	86	B 45	01 01 1007 011
1" 1/2	" 3/4	47	23	15	65	89	B 45	01 01 1007 012
1" 1/2	1"	49	23	17	65	94	B 40	01 01 1007 013
1" 1/2	1" 1/4	55	23	22	65	100	B 30	01 01 1007 014

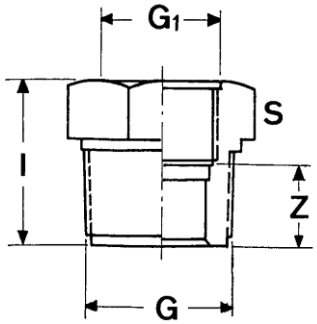
Reduções macho/fêmea curtas

Short reducers male/female

Réductions courtes mâle/femelle

Reducciones curtas macho/hembra

01 01 1080 000



G	G 1	I	Z	S	Gr	Quant	Nº Código
" 1/2	" 1/4	22	8	23	7	A 80	01 01 1080 002
" 3/4	" 1/2	28	13	29	12	A 50	01 01 1080 004
1 "	" 1/2	28	13	35	20	A 30	01 01 1080 006
1"	" 3/4	28	9	35	14	A 30	01 01 1080 007
1" 1/4	" 1/2	31	16	44	29	B 140	01 01 1080 008
1" 1/4	" 3/4	31	13	44	33	B 140	01 01 1080 009
1" 1/4	1 "	31	10	44	25	B 140	01 01 1080 010
1" 1/2	" 3/4	34.5	17	50	43	B 100	01 01 1080 012
1" 1/2	1 "	34.5	12	50	44	B 100	01 01 1080 013
1" 1/2	1" 1/4	34.5	12	50	29	B 100	01 01 1080 014
2 "	1"	38	15	62	74	B 50	01 01 1080 016
2 "	1" 1/4	38	13	62	76	B 50	01 01 1080 017
2 "	1" 1/2	38	13	62	62	B 50	01 01 1080 018

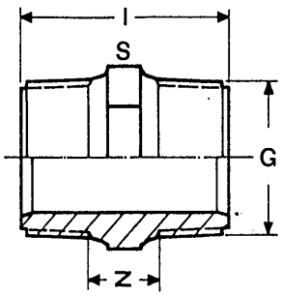
Casquilhos duplos

Nipples

Mamelons doubles

Machones doble rosca

01 01 1009 000



G	Z	l	S	Gr	Quant		Nº Código
" 1/4	4	28	17	3.6	A 200	NEW	01 01 1009 014
" 1/2	15	45	22	13	B 250		01 01 1009 012
" 3/4	17	49	27	20	B 150		01 01 1009 034
1 "	20	57	36	34	B 80		01 01 1009 100
1" 1/4	21	62	46	50	B 50		01 01 1009 114
1" 1/2	23	67	50	68	B 40		01 01 1009 150
2 "	25	76	65	120	B 20		01 01 1009 200
2" 1/2	23	76	78	170	B 15		01 01 1009 250
3 "	23	83	92	247	B 9		01 01 1009 300
4 "	26	96	116	430	B 4		01 01 1009 400

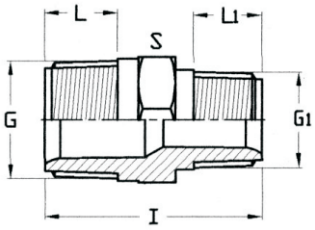
Casquilhos duplos redução

Reducing nipples

Mamelons doubles réduction

Machones doble rosca reducidas

01 01 1197 000



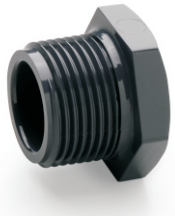
G	G 1	I	L	L 1	S	Gr	Quant	Nº Código
" 3/4	" 1/2	48	16	15	28	18	B 180	01 01 1197 005
1 "	" 1/2	52	19	15	36	28	B 100	01 01 1197 006
1 "	" 3/4	54	19	16	36	30	B 100	01 01 1197 007
1" 1/4	" 1/2	55	21	15	46	40	B 60	01 01 1197 008
1" 1/4	" 3/4	57	21	16	46	42	B 60	01 01 1197 009
1" 1/4	1 "	60	21	19	46	47	B 50	01 01 1197 010
1" 1/2	" 1/2	58	23	15	50	55	B 50	01 01 1197 011
1" 1/2	" 3/4	60	23	16	50	56	B 50	01 01 1197 012
1" 1/2	1 "	63	23	19	50	58	B 40	01 01 1197 013
1" 1/2	1 " 1/4	65	23	21	50	61	B 40	01 01 1197 014
2 "	" 3/4	65	26	16	65	102	B 30	01 01 1197 015
2 "	1 "	68	26	19	65	105	B 25	01 01 1197 016
2 "	1 " 1/4	70	26	21	65	106	B 25	01 01 1197 017
2 "	1" 1/2	72	26	23	65	111	B 25	01 01 1197 018
2" 1/2	1" 1/4	68	30	22	78	144	B 20	01 01 1197 020
2" 1/2	1" 1/2	68	30	22	78	144	B 20	01 01 1197 021
2" 1/2	2 "	72	30	26	78	157	B 20	01 01 1197 022
3 "	1" 1/2	72	33	22	92	203	B 12	01 01 1197 025
3 "	2"	76	33	26	92	220	B 12	01 01 1197 026
3 "	2" 1/2	80	33	30	92	230	B 9	01 01 1197 027
4 "	2"	83	39	26	116	364	B 8	01 01 1197 030
4 "	2" 1/2	87	39	30	116	373	B 8	01 01 1197 031
4 "	3"	90	39	33	116	390	B 8	01 01 1197 032

Tampões macho

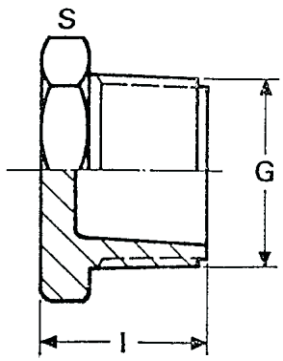
Plugs

Bouchons mâle

Tapones macho



01 01 1011 000



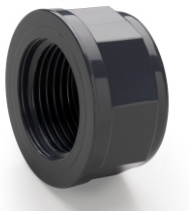
G	l	S	Gr	Quant	Nº Código
" 1/4	16	17	2.5	A 200	01 01 1011 014
" 1/2	25	27	9	A 70	01 01 1011 012
" 3/4	28	36	19	A 40	01 01 1011 034
1 "	32	41	29	A 20	01 01 1011 100
1" 1/4	35	50	44	B 70	01 01 1011 114
1" 1/2	36	60	64	B 60	01 01 1011 150
2 "	42	75	115	B 30	01 01 1011 200
2" 1/2	46	78	133	B 25	01 01 1011 250
3 "	50	92	202	B 15	01 01 1011 300
4 "	57	116	350	B 8	01 01 1011 400

Tampão fêmea

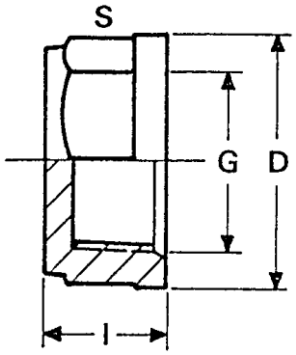
Cap

Bouchon femelle

Tapón hembra



01 01 1012 000



G	D	l	S	Gr	Quant	Nº Código
" 1/2	37	21	32	18	A 40	01 01 1012 012
" 3/4	42	24	36	24	A 30	01 01 1012 034
1 "	50	26	46	40	A 20	01 01 1012 100
1" 1/4	60	29	55	60	B 60	01 01 1012 114
1" 1/2	65	31	60	70	B 50	01 01 1012 150
2 "	81	36	75	126	B 30	01 01 1012 200
2" 1/2	88	58	92	160	B 20	01 01 1012 250
3 "	105	56	112	280	B 10	01 01 1012 300
4 "	129	89	129	480	B 6	01 01 1012 400

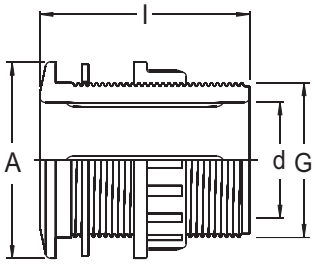
Passa muros em PP

PP Tank adaptor

Traversée de paroi en PP

Manguito tanque em PP

02 01 2174 000



G	A	l	d	Gr	Quant.	Nº Código
" 1/2	33	47	12	19	B 120	02 01 2174 012
" 3/4	41	52	17	32	B 70	02 01 2174 034
1 "	48	60	23	44	B 50	02 01 2174 100
1" 1/4	57	70	30	69	B 30	02 01 2174 114
1" 1/2	63	75	33	88	B 25	02 01 2174 150
2 "	75	80	44	132	B 15	02 01 2174 200

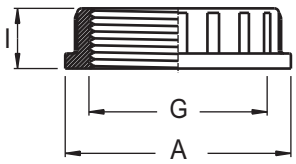
Porca batente estriada

Grooved nut

Ecrou strié

Tuerca estriada

01 01 1176 000



G	A	I	Gr	Quant.	Nº Código
" 1/2	33	14	6	A 100	01 01 1176 012
" 3/4	41	17	13	A 50	01 01 1176 034
1 "	48	18	17	A 35	01 01 1176 100
1" 1/4	57	20	25	A 20	01 01 1176 114
1" 1/2	63	20	28	A 15	01 01 1176 150
2 "	75	21	30	A 10	01 01 1176 200
2" 1/2	90	21	40	A 8	01 01 1176 250
3 "	105	24	60	A 6	01 01 1176 300

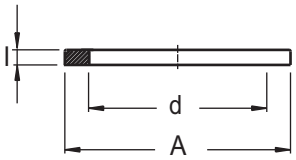
Vedantes EPDM para passa muros em PP

EPDM Rings for PP tank adaptor

Joints EPDM pour traversée de paroi en PP

Juntas EPDM para manguito tanque em PP

*40 01 8177 000



d	A	l	Gr	Quant.	Nº Código
" 1/2	32	2.5	1.5	A 300	40 01 8177 012
" 3/4	39.5	3	2	A 200	40 01 8177 034
1 "	45	2.5	2	A 200	40 01 8177 100
1" 1/4	56	3	4	A 100	40 01 8177 114
1" 1/2	61	3	4	A 100	40 01 8177 150
2 "	81	4	11	A 50	40 01 8177 200

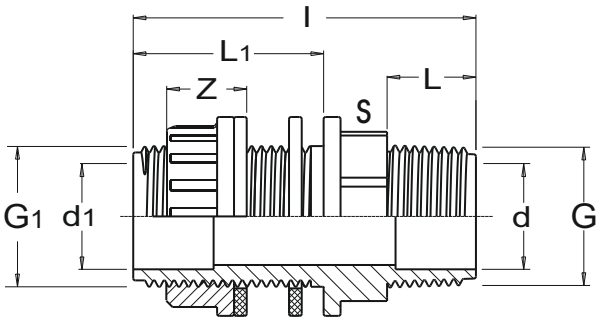
Passa muros em PVC

PVC Tank adaptor

Traversée de paroi en PVC

Manguito tanque PVC

01 01 1312 000



G	G1	d	d1	L	L1	Z	l	S	Gr	Quant	Nº Código
" 1/2	" 1/2	16	14.5	16	33	13	61	25	19	B 150	01 01 1312 012
" 3/4	" 3/4	20	20	19	42	17	74	32	41	B 70	01 01 1312 034
1"	1"	25	25	22	45	19	82	40	66	B 40	01 01 1312 100
1" 1/4	1" 1/4	32	32	23	49	20	91	50	110	B 25	01 01 1312 114
1" 1/2	1" 1/2	37	37	23	49	23	91	60	170	C 60	01 01 1312 150
1" 1/2	1" 3/4	37	40	23	49	23	91	60	173	C 60	01 01 1312 022
2"	2"	49.5	50	27	52	25	100	69	200	C 40	01 01 1312 200
2" 1/2	2" 1/2	63	63	30	52	25	103	78	255	C 35	01 01 1312 250
3"	3"	75	75	33	58	28	112	92	340	C 24	01 01 1312 300

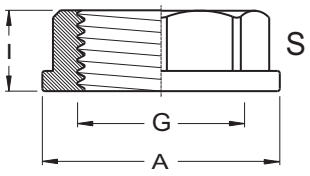
Porca batente oitavada

Octagonal nut

Ecrou octogonal

Tuerca octogonal

01 01 1334 000



G	A	I	S	Gr	Quant	Nº Código
" 1/2	31	10	25	4	A 100	01 01 1334 012
" 3/4	40	14	33	9	A 80	01 01 1334 034
1 "	47	16	40	14	A 45	01 01 1334 100
1" 1/4	58	17	50	22	A 20	01 01 1334 114
1" 1/2	72	19	58	36	A 15	01 01 1334 150
1" 3/4	72	20	64	36	A 15	01 01 1334 134
2 "	79	21	69	44	A 10	01 01 1334 200

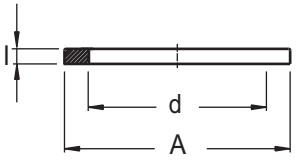
Vedantes EPDM para passa muros em PVC

EPDM Rings for PVC tank adaptor

Joints EPDM pour traversée de paroi en PVC

Juntas EPDM para manguito tanque em PVC

*40 01 8177 000



d	A	l	Gr	Quant.	Nº Código
" 1/2	32	2.5	1.5	A 300	40 01 8177 012
" 3/4	39.5	3	2	A 200	40 01 8177 034
1"	45	2.5	2	A 200	40 01 8177 100
1" 1/4	56	3	4	A 60	40 01 8177 114
1" 1/2	61	3	4	A 100	40 01 8177 150
1" 3/4	72	4	4	A 60	40 01 8177 134
2"	81	4	11	A 50	40 01 8177 200
2" 1/2	93	4	8	A 40	40 01 8177 250
3"	107	4	12	A 30	40 01 8177 300

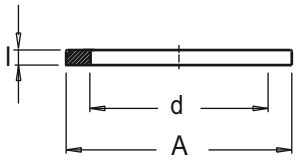
Vedantes PEHD para passa muros em PVC

PEHD Rings for PVC tank adaptor

Joints PEHD pour traversée de paroi en PVC

Juntas PEHD para manguito tanque em PVC

05 01 5335 000



d	A	l	Gr	Quant.	Nº Código
" 1/2	31	3	1	A 400	05 01 5335 012
" 3/4	40	3	2	A 250	05 01 5335 034
1"	47	3	2	A 200	05 01 5335 100
1" 1/4	58	3	3	A 60	05 01 5335 114
1" 1/2	70	4	7	A 60	05 01 5335 150
1" 3/4	72	4	6	A 60	05 01 5335 134
2"	79	4	7	A 50	05 01 5335 200
2" 1/2	93	4	8	A 40	05 01 5335 250
3"	105	4	9	A 30	05 01 5335 300

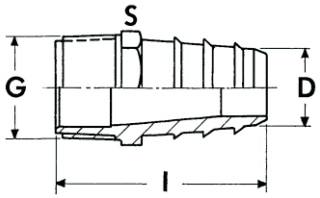
Adaptadores cónicos para tubo

Conic hose nozzles

Douilles coniques

Espiga conexion cónica/roscada

01 01 1013 000



G	l	D	S	Gr	Quant	Nº Código
" 1/4	43	8	17	4	A 150	01 01 1013 014
" 1/2	57	12	22	14	B 200	01 01 1013 012
" 3/4	63	17	30	21	B 120	01 01 1013 034
1 "	70	24	36	29	B 70	01 01 1013 100
1" 1/4	80	29	44	54	B 50	01 01 1013 114
1" 1/2	86	39	49	82	B 30	01 01 1013 150
2 "	105	45	63	147	B 15	01 01 1013 200

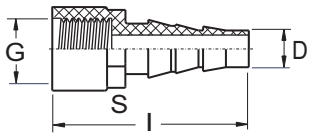
Adaptadores F/ cónicos para tubo

Conic hose nozzles F/

Douilles coniques F/

Espiga conexion cónica/roscada H/

01 01 1427 000



G	I	D	S	Gr	Quant
" 1/4	43	8	17	4	A 150

Nº Código
01 01 1427 014

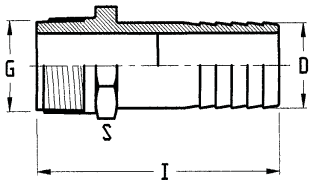
Adaptadores para tubo

Hose nozzles

Douilles

Espiga conexion roscada

01 01 1113 000



G	I	D	S	Gr	Quant	Nº Código
" 1/4	51	12	15	6	A 100	01 01 1113 014
" 1/2	86	20	22	20	B 140	01 01 1113 012
" 3/4	92	25	27	27	B 80	01 01 1113 034
1 "	92	30	36	42	B 50	01 01 1113 100
1" 1/4	115	40	46	77	B 30	01 01 1113 114
1" 1/2	115	45	50	88	B 25	01 01 1113 150
2 "	115	55	62	133	B 15	01 01 1113 200

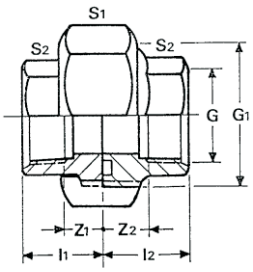
Junções

Unions

Manchons union

Enlace 3 piezas

01 01 1014 000



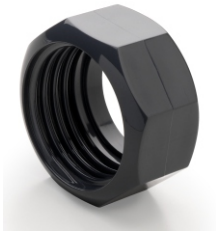
G	G1	l1	l2	Z1	Z2	S1	S2	Gr	Quant	Nº Código
" 1/2	38 x 8	24	28	9	14	46	30	65	B 60	01 01 1014 012
" 3/4	46 x 6	26	32	10	16	55	36	99	B 30	01 01 1014 034
1 "	52 x 6	28	35	10	18	65	41	141	B 20	01 01 1014 100
1" 1/4	62 x 6	32	40	11	20	75	50	201	C 60	01 01 1014 114
1" 1/2	70 x 6	34	43	13	22	85	60	287	C 50	01 01 1014 150
2"	85 x 6	37	47	13	22	100	75	423	C 30	01 01 1014 200

Porcas de junção

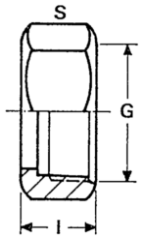
Union nuts

Ecrous

Tuercas enlace



01 01 1018 000



D	G	l	S	Gr	Nº Código
" 1/2	38 x 8	27	46	25	01 01 1018 012
" 3/4	44 x 6	30	55	40	01 01 1018 034
1 "	52 x 6	33	65	65	01 01 1018 100
1" 1/4	62 x 6	35	75	83	01 01 1018 114
1" 1/2	70 x 6	39	85	114	01 01 1018 150
2 "	85 x 6	41	100	149	01 01 1018 200

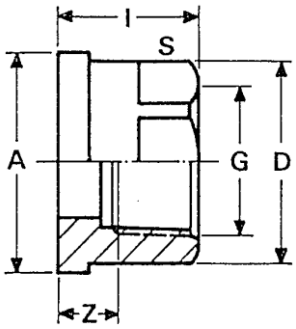
Terminais de junção lisos

Union ends

Pièces folles

Manguitos enlace

01 01 1016 000



G	I	A	D	S	Z	Gr	Nº Código
" 1/2	24	34	31	28	9	15	01 01 1016 012
" 3/4	26	40	37	34	10	22	01 01 1016 034
1 "	28	47	44	42	10	29	01 01 1016 100
1" 1/4	32	57	53	52	11	47	01 01 1016 114
1" 1/2	34	65	61	59	13	66	01 01 1016 150
2 "	37	80	76	73	13	105	01 01 1016 200

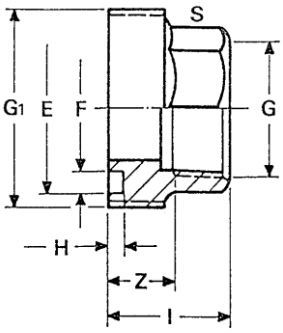
Terminais de junção roscados

Union bushes

Pièces folles filetées

Manguitos enlace rosca macho

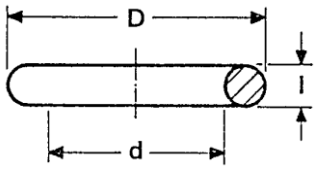
01 01 1017 000



G	G1	I	Z	E	F	H	S	Gr	Nº Código
" 1/2	38 x 8	28	14	29	3.6	2.3	30	24	01 01 1017 012
" 3/4	44 x 6	32	16	35	3.6	2.3	36	35	01 01 1017 034
1 "	52 x 6	35	18	40	3.6	2.3	41	45	01 01 1017 100
1" 1/4	62 x 6	40	20	48	3.7	2.3	50	69	01 01 1017 114
1" 1/2	70 x 6	43	22	54	3.7	2.3	60	105	01 01 1017 150
2 "	85 x 6	47	22	60	3.7	2.3	75	168	01 01 1017 200

Vedantes
O' ring gaskets
Joints toriques
Juntas

*40 90 8093 000



D	d	l	Nº Código
28,86	21,80	3,53	40 90 8093 011
35,23	28,17	3,53	40 90 8093 014
41,58	34,52	3,53	40 90 8093 017
49,92	42,86	3,53	40 90 8093 020
53,10	46,04	3,53	40 90 8093 023
59,44	52,38	3,53	40 90 8093 026

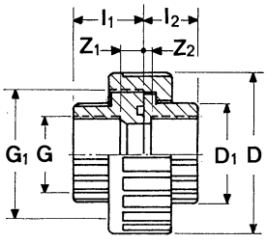
Junções

Unions

Manchons union

Enlaces 3 piezas

01 01 1114 000



G	G1	l1	l2	Z1	Z2	D	D1	Gr	Quant	Nº Código
" 1/2	40x10	26	20	10	3	46	28	53	B 60	01 01 1114 012
" 3/4	47x10	28	23	10	3	56	36	84	B 40	01 01 1114 034
1 "	53 x 8	30	26	10	3	67	42	122	B 30	01 01 1114 100
1" 1/4	66 x 8	41	31	13	3	82	52	201	C 60	01 01 1114 114
1" 1/2	74 x 8	45	35	22	10	88	63	273	C 45	01 01 1114 150
2 "	90 x 8	52	42	18	14	106	77	450	C 30	01 01 1114 200

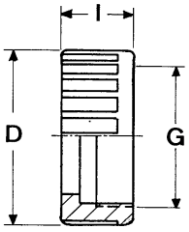
Porcas de junção

Union nuts

Ecrous

Tuercas enlace

01 01 1118 000



d	G	l	D	Gr	Nº Código
" 1/2	40 x 10	22	46	21	01 01 1118 012
" 3/4	47 x 10	26	56	35	01 01 1118 034
1 "	53 x 8	28	67	56	01 01 1118 100
1" 1/4	66 x 8	30	82	86	01 01 1118 114
1" 1/2	74 x 8	31	88	90	01 01 1118 150
2 "	90 x 8	38	106	151	01 01 1118 200

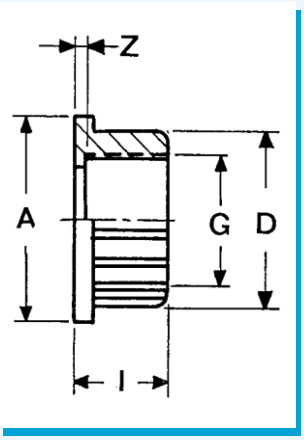
Terminais de junção lisos

Union ends

Pièces folles

Manguitos enlace

01 01 1116 000



G	I	A	D	Z	Gr	Nº Código
" 1/2	20	36	28	3	11	01 01 1116 012
" 3/4	23	43	36	3	20	01 01 1116 034
1 "	26	50	42	3	26	01 01 1116 100
1" 1/4	31	63	52	3	43	01 01 1116 114
1" 1/2	35	69	63	10	70	01 01 1116 150
2 "	42	83	77	14	120	01 01 1116 200

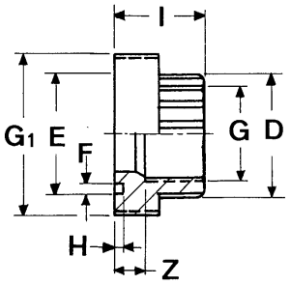
Terminais de junção roscados

Union bushes

Pièces folles filetées

Manguitos enlace rosca macho

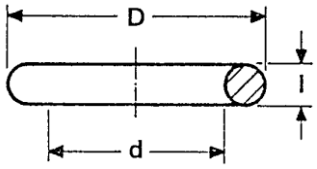
01 01 1117 000



G	G1	I	Z	E	F	H	D	Gr	Nº Código
" 1/2	40 x 10	26	10	28,4	4,3	2.5	28	19	01 01 1117 012
" 3/4	47 x 10	28	10	35,5	4,8	2.5	36	30	01 01 1117 034
1 "	53 x 8	30	10	39,6	4,6	2.5	42	41	01 01 1117 100
1" 1/4	66 x 8	41	13	51,8	7	4	52	72	01 01 1117 114
1" 1/2	74 x 8	45	22	57	7	4	63	110	01 01 1117 150
2 "	90 x 8	52	18	70	7	4	77	183	01 01 1117 200

Vedantes
O' ring gaskets
Joints toriques
Juntas

*40 90 8093 000



D	d	l	Nº Código
28,86	21,80	3,53	40 90 8093 011
35,23	28,17	3,53	40 90 8093 014
39,96	32,92	3,53	40 90 8093 016
51,30	40,64	5,33	40 90 8093 018
57,65	46,99	5,33	40 90 8093 024
70,36	59,70	5,33	40 90 8093 030

Junções fêmea/macho

Unions female/male

Manchons union femelle/mâle

Enlaces 3 piezas hembra/macho

01 01 1207 000

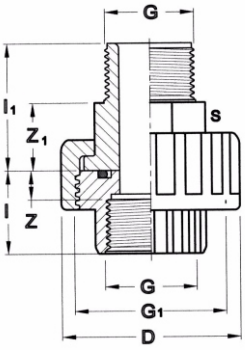


Fig.A

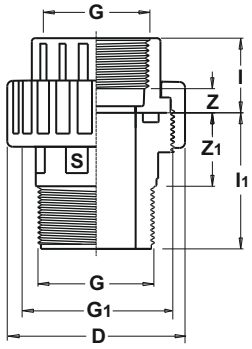


Fig.B

G	G1	l	l1	Z	Z1	D	S	Fig.	Gr	Quant	Nº Código
" 1/2	40x10	26	36	10	21	46	22	A	56	B 60	01 01 1207 012
" 3/4	47x10	28	40	10	24	56	28	A	88	B 30	01 01 1207 034
1 "	53 x 8	30	45	10	26	67	36	A	133	B 30	01 01 1207 100
1" 1/4	66 x 8	41	48	13	27	82	46	A	216	C 60	01 01 1207 114
1" 1/2	74 x 8	35	58	10	36	88	53	B	273	C 45	01 01 1207 150
2 "	90 x 8	52	61	18	35	106	65	A	467	C 24	01 01 1207 200

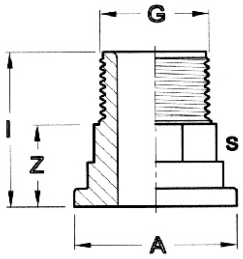
Terminais de junção lisos macho

Male union ends

Pièces folles mâle

Manguitos enlace macho

01 01 1205 000



G	l	A	S	Z	Gr	Nº Código
" 1/2	36	36	22	21	14	01 01 1204 012
" 3/4	40	43	28	24	24	01 01 1205 034
1 "	45	50	36	26	37	01 01 1204 100
1" 1/4	48	63	46	27	58	01 01 1205 114
1" 1/2	52	69	50	30	74	01 01 1205 150
2 "	61	83	65	35	137	01 01 1205 200

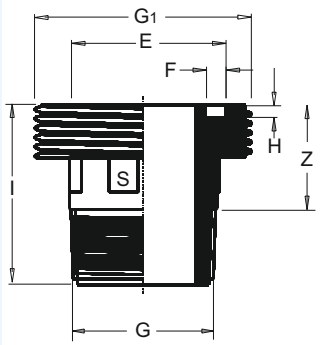
Terminais de junção roscados macho

Male union ends

Pièces folles filetées mâle

Manguitos enlace macho

01 01 1382 000



G	G1	I	Z	E	F	H	S	Gr	Nº Código
1" ½	74 x 8	58	36	57	7	4	53	102	01 01 1382 150

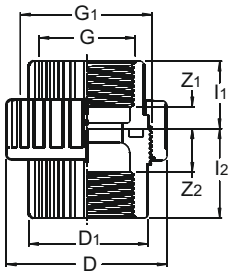
Junções para piscinas fêmea/fêmea

Unions for pools female/female

Manchons union pour piscines femelle/femelle

Enlaces 3 piezas para piscinas hembra/hembra

01 01 1278 000



G	G1	I1	I2	Z1	Z2	D	D1	Gr	Quant	Nº Código
" ½	1"	20	27	3	9	40	27	34	B 100	01 01 1278 012
" ¾	1 " ¼	23	29	3	9	51	35	63	B 50	01 01 1278 034
1"	1 " ½	27	31	3	9	57	41	80	B 30	01 01 1278 100
1 " ¼	2"	30	41	5	22	71	52	146	C 75	01 01 1278 114
1" ½	2" ¼	34	45	11	22	77	59	200	C 60	01 01 1278 150
2"	2 " ¾	41	52	14	25	93	74	350	C 36	01 01 1278 200
2" ½	3 " ½	49	57	16	26	115	91	560	C 16	01 01 1278 250
3"	4"	49	66	26	31	132	104	750	C 12	01 01 1278 300
4"	5"	50	76	15	37	165	129	1200	C 6	01 01 1278 400

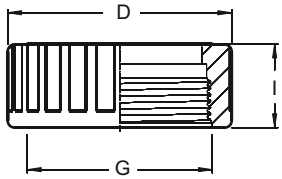
Porcas de junção para piscinas

Union nuts for pools

Ecrous pour piscines

Tuercas enlace para piscinas

01 01 1274 000



d	G	l	D	Gr	Nº Código
" ½	1"	20	40	13	01 01 1274 012
" ¾	1" ¼	23	51	23	01 01 1274 034
1"	1 " ½	25	57	28	01 01 1274 100
1" ¼	2"	27	71	47	01 01 1274 114
1" ½	2" ¼	30	77	60	01 01 1274 150
2"	2 " ¾	37	93	97	01 01 1274 200
2" ½	3 " ½	45	115	163	01 01 1274 250
3"	4"	45	132	245	01 01 1274 300
4"	5"	59	165	525	01 01 1274 400

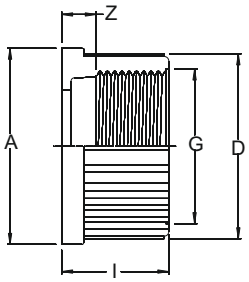
Terminais de junção lisos para piscinas

Union ends for pools

Pièces folles pour piscines

Manguitos enlace para piscinas

01 01 1275 000



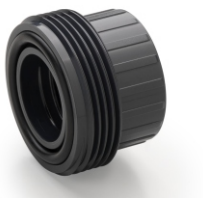
G	I	A	D	Z	Gr	Nº Código
" ½	20	29.5	27	4	8	01 01 1275 012
" ¾	23	38	35	7	16	01 01 1275 034
1"	26	44	41	7	21	01 01 1275 100
1" ¼	30	56	52	7	38	01 01 1275 114
1" ½	34	62	59	11	54	01 01 1275 150
2"	41	78	74	14	102	01 01 1275 200
2" ½	49	97	91	16	170	01 01 1275 250
3"	49	109	104	26	200	01 01 1275 300
4"	50	135	129	15	242	01 01 1275 400

Terminais de junção roscados para piscinas

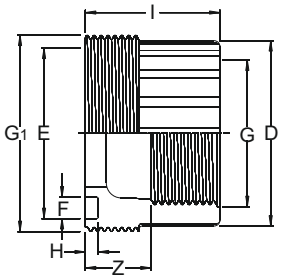
Union bushes for pools

Pièces folles filetées pour piscines

Manguitos enlace para piscinas



01 01 1276 000



G	G1	I	Z	E	F	H	D	Gr	Nº Código
" ½	1"	27	9	25.4	3	2	27	13	01 01 1276 012
" ¾	1 " ¼	29	9	35.2	4.5	2.5	35	23	01 01 1276 034
1"	1 " ½	31	9	39.8	4.5	2.5	41	29	01 01 1276 100
1 " ¼	2"	41	22	50.8	7	4	52	58	01 01 1276 114
1" ½	2" ¼	45	22	57	7	4	59	76	01 01 1276 150
2"	2 " ¾	52	25	70	7	4	74	140	01 01 1276 200
2" ½	3 " ½	57	26	85	7	4	91	219	01 01 1276 250
3"	4"	66	31	102	7	4	104	297	01 01 1276 300
4"	5 "	76	37	124	7	4	128	432	01 01 1276 400

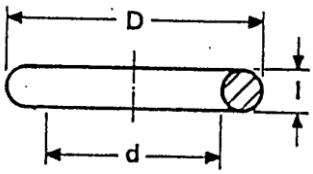
Vedantes

O' ring gaskets

Joints toriques

Juntas

*40 90 8093 000



D	d	I	Nº Código
25.64	20.30	2.62	40 90 8093 106
35,23	28,17	3,53	40 90 8093 014
39,96	32,90	3,53	40 90 8093 016
51,30	40,64	5,33	40 90 8093 018
57,65	46,99	5,33	40 90 8093 024
69,00	59,00	5,00	40 90 8093 128
70,35	59,69	5,33	40 90 8093 030
85.29	74.63	5,33	40 90 8093 055
102.1	91.44	5,33	40 90 8093 056
124.33	113.67	5,33	40 90 8093 057

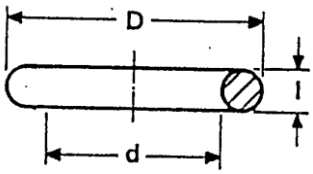
Vedantes

O' ring gaskets

Joints toriques

Juntas

*40 90 8093 000



D	d	I	Nº Código
25.64	20.30	2.62	40 90 8093 106
35,23	28,17	3,53	40 90 8093 014
39,96	32,90	3,53	40 90 8093 016
51,30	40,64	5,33	40 90 8093 018
57,65	46,99	5,33	40 90 8093 024
69,00	59,00	5,00	40 90 8093 128
70,35	59,69	5,33	40 90 8093 030
85.29	74.63	5,33	40 90 8093 055
102.1	91.44	5,33	40 90 8093 056
124.33	113.67	5,33	40 90 8093 057

Junções para piscinas fêmea/macho

Unions for pools female/male

Manchons union pour piscines femelle/mâle

Enlaces 3 piezas para piscinas hembra/macho

01 01 1279 000

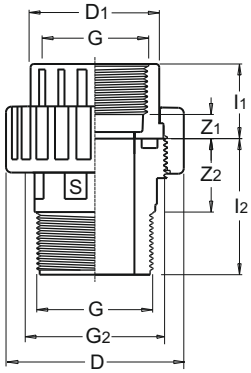


Fig. A

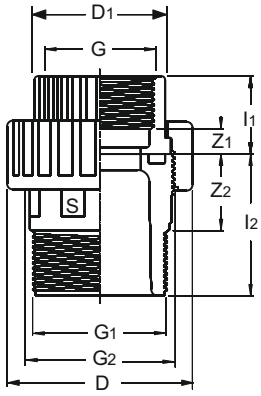


Fig. B

G	G1	G2	I1	I2	Z1	Z2	D	S	Fig.	Gr	Quant	Nº Código
" ½	" ½	1 "	20	39	3	25	40	22	A	38	B 90	01 01 1279 012
"¾	"¾	1 " ¼	23	43	7	27	51	29	A	69	B 50	01 01 1279 034
1 "	1 "	1" ½	26	49	7	30	57	36	A	90	B 30	01 01 1279 100
1 " ¼	1 " ¼	2"	30	52	7	31	71	46	A	160	C 70	01 01 1279 114
1" ½	1" ½	2" ¼	34	62	11	40	77	50	A	210	C 60	01 01 1279 150
2"	1" ½	2" ¼	34	62	11	36	77	61	B	242	C 50	01 01 1279 019
2"	2"	2 " ¾	41	68	14	42	93	65	A	364	C 30	01 01 1279 200

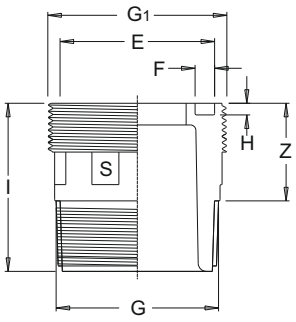
Terminais de junção roscados para piscinas

Union bushes for pools

Pièces folles filetées pour piscines

Manguitos enlace para piscinas

01 01 1303 000



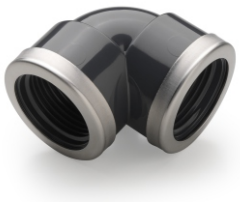
G	G1	I	Z	E	F	H	S	Gr	Nº Código
" ½	1"	39	25	25.4	3	2	22	15	01 01 1303 012
" ¾	1" ¼	43	27	35.2	4.5	2.5	29	25	01 01 1303 034
1"	1" ½	49	30	39.8	4.5	2.5	36	38	01 01 1303 100
1" ¼	2"	52	31	50.8	7	4	46	66	01 01 1303 114
1" ½	2" ¼	62	40	57	7	4	50	80	01 01 1303 150
2"	2" ¼	62	36	57	7	4	61	95	01 01 1304 019
2"	2" ¾	68	42	70	7	4	65	155	01 01 1303 200

Joelhos a 90º com anilhas de reforço

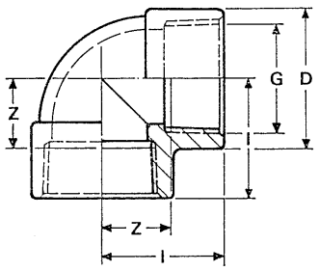
Elbows 90º with reinforce rings

Coudes à 90º avec anneaux de renfor

Codos 90º con anillas de refuerzo



01 02 1001 000



G	D	I	Z	Gr	Quant	Nº Código
" 1/2	30	28	14	39	B 120	01 02 1001 012
" 3/4	37	33	17	60	B 70	01 02 1001 034
1 "	45	38	20	90	B 40	01 02 1001 100
1" 1/4	53	45	25	128	B 25	01 02 1001 114
1" 1/2	64	50	30	207	B 15	01 02 1001 150
2 "	76	60	35	309	B 10	01 02 1001 200

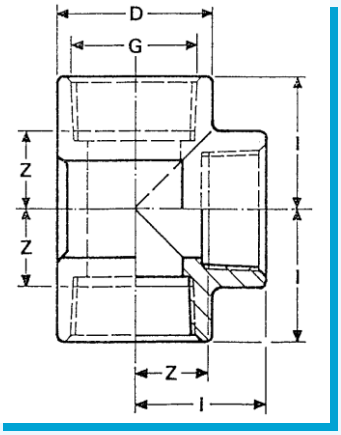
Tês a 90º com anilhas de reforço

Tees 90º with reinforce rings

Tés à 90º avec anneaux de renfor

Tes 90º con anillas de refuerzo

01 02 1003 000



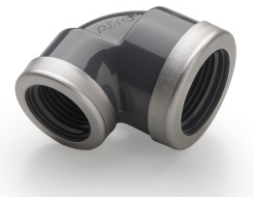
G	D	I	Z	Gr	Quant	Nº Código
" 1/2	30	28	14	54	B 80	01 02 1003 012
" 3/4	37	33	17	83	B 40	01 02 1003 034
1 "	45	38	20	127	B 30	01 02 1003 100
1" 1/4	53	45	25	173	B 20	01 02 1003 114
1" 1/2	64	50	30	283	B 12	01 02 1003 150
2 "	76	60	35	418	B 9	01 02 1003 200

Joelhos de redução a 90º com anilhas de reforço

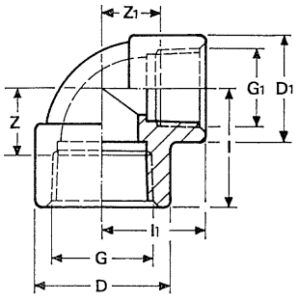
Reducing elbows 90º with reinforce rings

Coudes de réduction à 90º avec anneaux de renfor

Codos 90º reducidos con anillas de refuerzo



01 02 1002 000



G	G1	D	D1	l	l 1	Z	Z1	Gr	Quant	Nº Código
" 3/4	" 1/2	37	30	33	28	17	14	50	B 90	01 02 1002 005

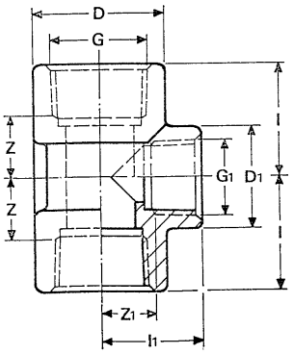
Tês de redução a 90º com anilhas de reforço

Reducing tees 90º with reinforce rings

Tés de réduction à 90º avec anneaux de renfor

Tes 90º reducidas con anillas de refuerzo

01 02 1004 000



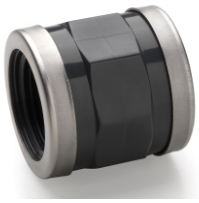
G	G1	D	D1	l	l 1	Z	Z1	Gr	Quant	Nº Código
" 3/4	" 1/2	37	30	33	28	17	14	74	B 50	01 02 1004 005

Uniões simples com anilhas de reforço

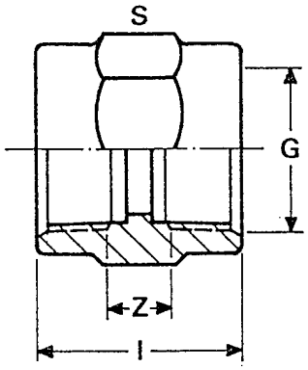
Sockets with reinforce rings

Manchons avec anneaux de renfor

Manguitos union con anillas de refuerzo



01 02 1005 000



G	l	Z	S	Gr	Quant	Nº Código
" 1/2	36	8	32	33	B 130	01 02 1005 012
" 3/4	39	8	38	47	B 90	01 02 1005 034
1 "	45	9	46	65	B 50	01 02 1005 100
1" 1/4	50	10	55	94	B 40	01 02 1005 114
1" 1/2	55	15	64	151	B 30	01 02 1005 150
2 "	65	15	78	240	B 18	01 02 1005 200

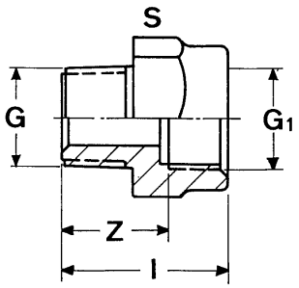
Uniões macho/fêmea com anilhas de reforço

Sockets male/female with reinforce rings

Manchons mâle/femelle avec anneaux de renfor

Manguitos macho/hembra con anillas de refuerzo

01 02 1169 000



G	G1	S	l	Z	Gr	Quant	Nº Código
" 1/2	" 1/2	32	37	20	23	A 30	01 02 1169 012
" 3/4	" 3/4	38	42	24	35	B 100	01 02 1169 034
1 "	1 "	46	42	22	44	B 50	01 02 1169 100
1" 1/4	1" 1/4	55	53	31	87	B 35	01 02 1169 114
1" 1/2	1" 1/2	64	55	31	110	B 30	01 02 1169 150
2 "	2 "	78	61	33	174	B 20	01 02 1169 200

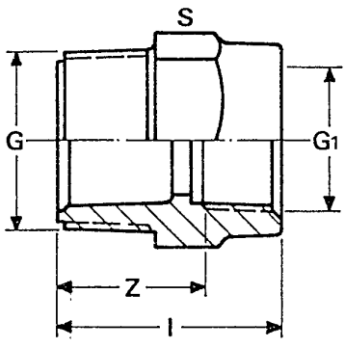
Uniões de redução macho/fêmea com anilhas de reforço

Reducers male/female with reinforce rings

Mamelons de réduction mâle/femelle avec anneaux de renfor

Reducciones macho/hembra con anillas de refuerzo

01 02 1006 000



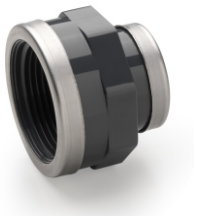
G	G1	l	Z	S	Gr	Quant	Nº Código
" 3/8	" 1/2	32	16	32	21	A 50	01 02 1006 024
" 1/2	" 3/4	40	26	38	37	B 120	01 02 1006 003
" 3/4	" 1/2	39	25	32	27	B 150	01 02 1006 005
" 3/4	1 "	43	25	46	48	B 80	01 02 1006 027
1 "	" 1/2	42	31	32	31	B 110	01 02 1006 006
1 "	" 3/4	45	29	38	42	B 90	01 02 1006 007
1 "	1"1/4	52	29	55	73	B 40	01 02 1006 030
1" 1/4	" 1/2	46	32	32	47	B 60	01 02 1006 008
1" 1/4	" 3/4	50	34	38	56	B 50	01 02 1006 009
1" 1/4	1 "	50	32	46	68	B 50	01 02 1006 010
1" 1/4	1"1/2	54	30	65	114	B 30	01 02 1006 033
1" 1/2	" 1/2	48	32	32	50	B 50	01 02 1006 011
1" 1/2	" 3/4	51	34	38	59	B 50	01 02 1006 012
1" 1/2	1 "	52	32	46	70	B 50	01 02 1006 013
1" 1/2	1" 1/4	51.5	30	55	77	B 35	01 02 1006 014
1" 1/2	2 "	57	30	79	155	B 20	01 02 1006 036
2 "	" 3/4	55	37	38	85	B 35	01 02 1006 015
2 "	1 "	55	36	46	106	B 35	01 02 1006 016
2 "	1" 1/4	58	37	55	109	B 35	01 02 1006 017
2 "	1" 1/2	60	36	64	133	B 25	01 02 1006 018
2 " 1/2	2 "	37	61	79	180	B 20	01 02 1006 049

Uniões de redução fêmea/fêmea com anilhas de reforço

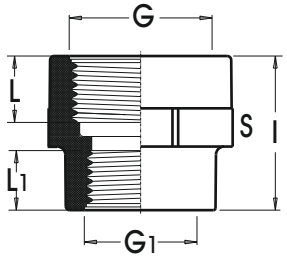
Reducers female/female with reinforce rings

Mamelons de réduction femelle/femelle avec anneaux de renfor

Reducciones hembra/hembra con anillas de refuerzo



01 02 1007 000



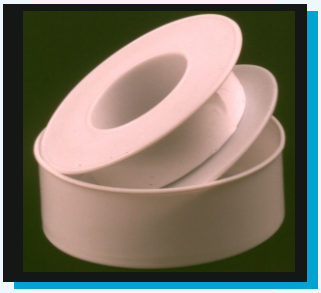
G	G 1	l	L	L1	S	Gr	Quant	Nº Código
" 3/4	" 1/2	33.5	15	13	38	36	B 120	01 02 1007 005
1 "	" 1/2	36	17	13	46	48	B 80	01 02 1007 006
1 "	" 3/4	38	17	15	46	55	B 70	01 02 1007 007
1" 1/4	" 1/2	40	22	13	53	65	B 70	01 02 1007 008
1" 1/4	" 3/4	43	22	15	53	70	B 60	01 02 1007 009
1" 1/4	1 "	45	22	17	53	78	B 55	01 02 1007 010
1" 1/2	" 1/2	44	23	13	65	108	B 45	01 02 1007 011
1" 1/2	" 3/4	47	23	15	65	109	B 45	01 02 1007 012
1" 1/2	1"	49	23	17	65	117	B 40	01 02 1007 013
1" 1/2	1" 1/4	55	23	22	65	127	B 30	01 02 1007 014

Fita de teflon

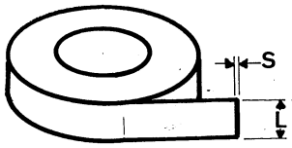
PTFE thread-wrap tape

Ruban de TPFE

Cinta de teflon



*40 95 7092 000



L	S	Quant.	Nº Código
12	0,07	250	40 95 7092 050
19	0,2	25	40 95 7092 055

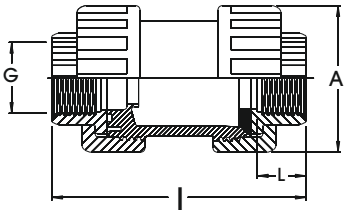
Visor de fluídos

Sight glass

Voyant de contrôle

Visor de líquidos

01 01 1052 000



G	A	l	L	Gr	Quant	Nº Código
"⅜	48	84	17	100	B 35	01 01 1052 038
"½	48	84	17	95	B 35	01 01 1052 012
"¾	58.5	101	16	150	B 60	01 01 1052 034
1"	68	126	23	265	C 48	01 01 1052 100
1"¼	95	149	27	600	C 18	01 01 1052 114
1"½	95	157	31	610	C 18	01 01 1052 150
2"	115	190	38	1050	C 10	01 01 1052 200
2"½	151	216	44	2100	C 4	01 01 1052 250
3"	185	249	51	3220	C 3	01 01 1052 300
4"	185	266	61	3250	C 3	01 01 1052 400

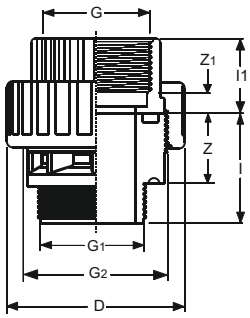
Junções para piscinas F/M com vedante exterior

Unions for pools F/M with external o'ring

Manchons union pour piscines F/M avec joint exterieur

Enlaces 3 piezas para piscinas H/M con torica exterior

01 01 1388 000



G	G1	G2	D	I	Z	I1	Z1	Gr	Quant	Nº Código
1"½	1"½	2" ¼	77	50	32	34	11	204	C 60	01 01 1388 150
1"½	2"	2 " ¼	77	54	34	34	11	228	C 50	01 01 1388 019
2"	2"	2 " ¾	93	56	36	41	14	350	C 36	01 01 1388 200

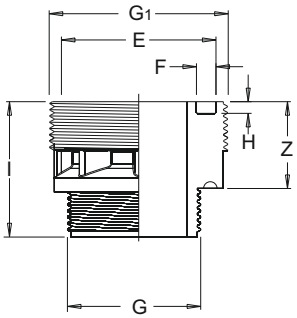
Terminais de junção roscados para piscinas

Union bushes for pools

Pièces folles filetées pour piscines

Manguitos enlace para piscinas

01 01 1387 000



G	G1	I	Z	E	F	H	Gr	Nº Código
1" ½	2" ¼	50	32	57	7	4	80	01 01 1387 150
2"	2" ¼	54	34	57	7	4	100	01 01 1387 019
2"	2" ¾	56	36	70	7	4	138	01 01 1387 200