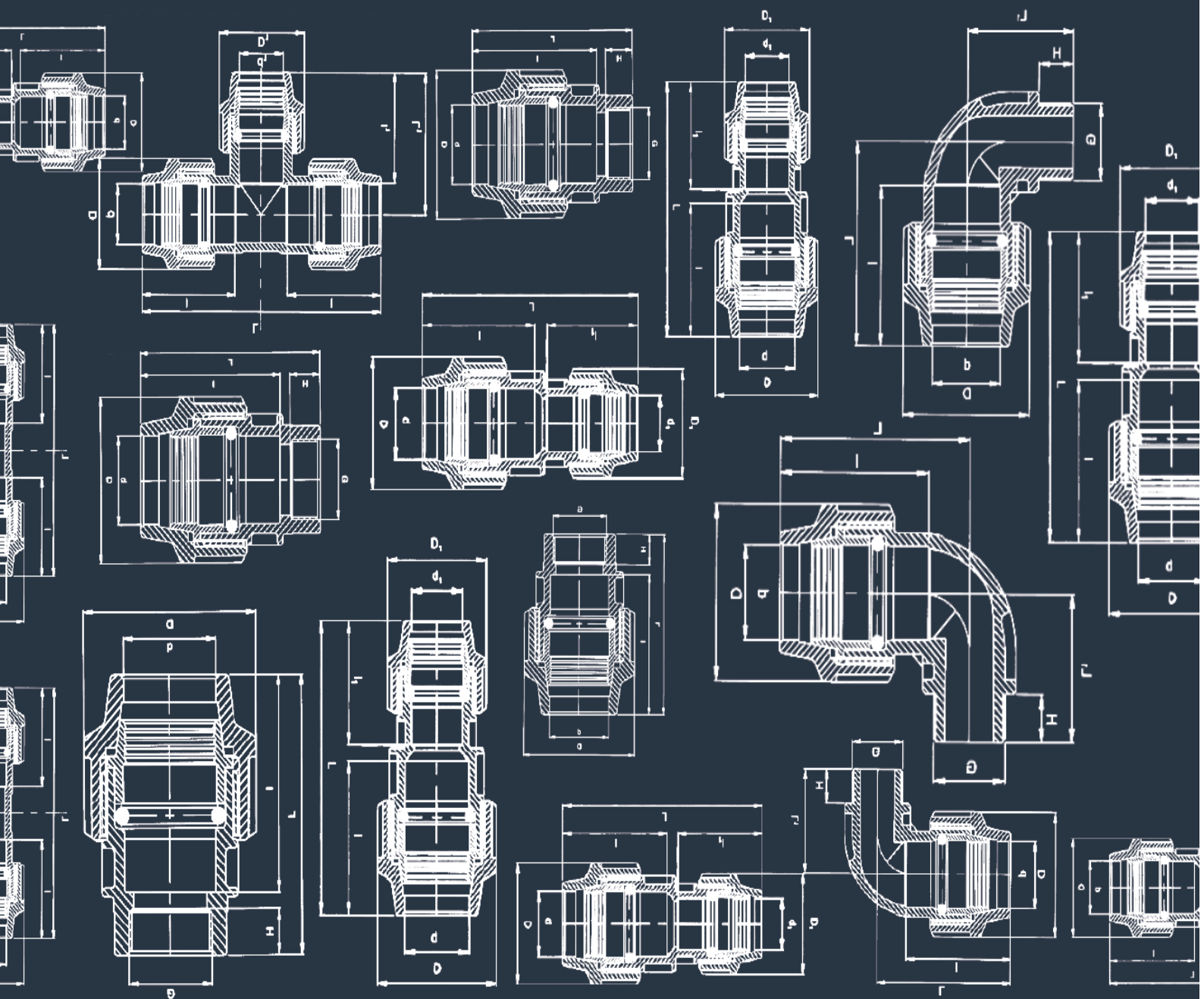




# Product catalogue



## COMPRESSION FITTINGS FOR PE PIPES:

Compression fittings are made of elements manufactured with injection moulding methods. The highest quality of the products is ensured by a modern processing line and possibility of an in-process control of the material and product parameter.

### APPLICATION:

Polypropylene compression fittings are used for connecting polyethylene pipes applied in water pipe systems, as well as in construction of telecommunication networks and fibre-optic pipelines. They also have a broad application in pipe connecting within the agriculture and industry.

An example of using polyethylene installations:

Industry: protective installations for telecommunications and fiber-optic lines, energetics, automation, pneumatic installations, etc.

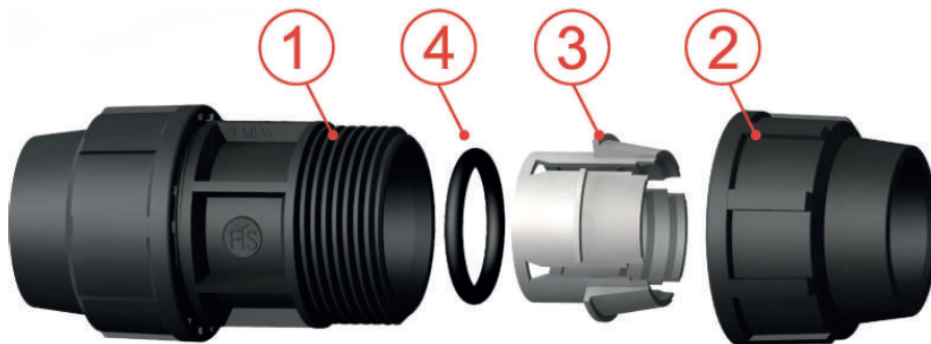
Construction: water supply connections and networks, water installations in residential buildings and other, power supply for swimming pools, fountains, supply and discharge installations in sewage treatment plants, technological installations.

Agriculture: irrigation systems, sprinkling and soaking in greenhouses and open space, construction of water tank installations.

### ADVANTAGES OF COMPRESSION CONNECTIONS:

- easy installation - no special tools required (simple tools for cutting and beveling of pipes),
- reliability and durability,
- minor weight of connection elements,
- extremely long service life,
- high mechanical strength,
- perfect and simple sealing system.

### STRUCTURE OF COMPRESSION FITTINGS:



1. Body with internal pipe slide stop (polypropylene)
2. Ring nut (polypropylene)
3. Grip ring (polyformaldehyde)
4. O-RING seal, NBR type (rubber)

### TECHNICAL SPECIFICATION:

Diameter: 20-63 mm

Pressure: PN 16

Diameter: 75-110 mm

Pressure: PN 10

Colour: black

Certificates and approvals for use: ISO 9001:2015 Certificate, National Technical Assessment IBDiM, National Technical Assessment ITB, PZH Hygiene Certification, ZDBk Expertise.

# Compression fittings assembly method

## Ø 20 - 40mm



- Cut the pipe at right angles using pipe cutter. Chamfer the end of the pipe using chamfering tool. Lubricate the end of the pipe and the O-ring with soap or something similar.



- Slacken the ring nut and insert the pipe outside the o-ring until it stops.



- Tighten the ring nut until you feel a clear resistance.

## Ø 50 - 110mm



- After preparing pipe end, unscrew the filling, then put the ring nut, grip ring and o-ring.



- Insert the pipe into the fitting up to the pipe stop. Then slide the o-ring and the collet and tighten the ring nut.



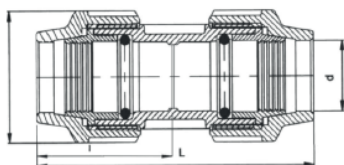
- Tighten the ring nut with a nipple wrench until you feel a clear resistance.

**Note!**

Keep the pipe and fitting clean during the assembly process.

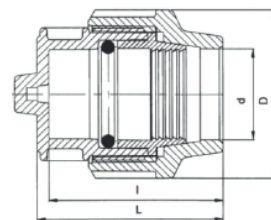
## Compression fittings for PE pipes

### Coupler



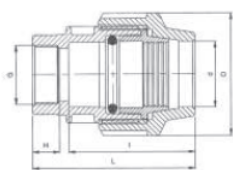
Nr kat.	d x d	D	l	L	małe	duże
ZPE20	20 x 20	43	51	100	45	110
ZPE25	25 x 25	50	57	117	28	70
ZPE32	32 x 32	58	54	131	45	105
ZPE40	40 x 40	74	76	155	25	60
ZPE50	50 x 50	85	88	180	15	32
ZPE63	63 x 63	99	91	187	12	24
ZPE75	75 x 75	129	136	278	-	-
ZPE90	90 x 90	155	154	315	-	-
ZPE110	110 x 110	183	205	422	-	-

### End plug



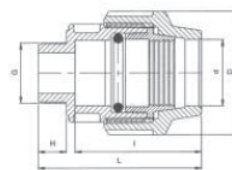
Nr kat.	d	D	l	L	małe	duże
ZAS20	20	43	51	69	70	140
ZAS25	25	50	54	77	50	125
ZAS32	32	58	62	88	30	80
ZAS40	40	74	74	98	45	90
ZAS50	50	85	85	110	26	66
ZAS63	63	99	94	121	16	42
ZAS75	75	129	137	158	-	-
ZAS90	90	155	158	179	-	-
ZAS110	110	183	202	225	-	-

## Female adaptor



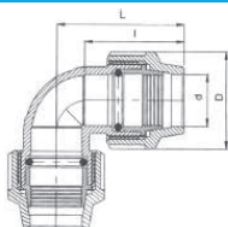
Nr kat.	d x G	D	I	H	L	małe	duże
ZGW2012	20 x 1/2"	43	51	17	76	70	150
ZGW2034	20 x 3/4"	43	51	19	79	60	140
ZGW2512	25 x 1/2"	50	54	17	77	50	110
ZGW2534	25 x 3/4"	50	54	19	81	45	100
ZGW251	25 x 1"	50	54	21	86	40	90
ZGW3212	32 x 1/2"	58	62	17	86	70	147
ZGW3234	32 x 3/4"	58	62	19	87	70	147
ZGW321	32 x 1"	58	62	20	91	70	147
ZGW32114	32 x 1 1/4"	58	62	23	94	70	147
ZGW4034	40 x 3/4"	74	73	19	100	39	90
ZGW401	40 x 1"	74	73	21	102	39	90
ZGW40114	40 x 1 1/4"	74	73	23	105	39	80
ZGW40112	40 x 1 1/2"	74	73	25	109	39	80
ZGW402	40 x 2"	74	73	29	116	34	78
ZGW501	50 x 1"	85	85	21	116	26	65
ZGW50114	50 x 1 1/4"	85	85	23	118	22	55
ZGW50112	50 x 1 1/2"	85	85	25	121	22	55
ZGW502	50 x 2"	85	85	29	126	22	55
ZGW63114	63 x 1 1/4"	99	94	23	128	18	36
ZGW63112	63 x 1 1/2"	99	94	25	130	18	36
ZGW632	63 x 2"	99	94	29	134	18	36
ZGW63212	63 x 2 1/2"	115	121	23	168	-	-
ZGW752	75 x 2"	129	137	28	182	-	-
ZGW75212	75 x 2 1/2"	129	137	33	187	-	-
ZGW753	75 x 3"	129	137	33	187	-	-
ZGW902	90 x 2"	155	152	26	190	-	-
ZGW90212	90 x 2 1/2"	155	152	33	195	-	-
ZGW903	90 x 3"	155	152	33	195	-	-
ZGW904	90 x 4"	155	152	42	204	-	-
ZGW1103	110 x 3"	183	204	41	263	-	-
ZGW1104	110 x 4"	183	204	43	263	-	-

## Male adaptor



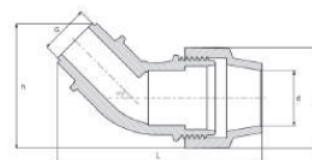
Nr kat.	d x G	D	I	H	L	małe	duże
ZGZ2012	20 x 1/2"	43	50	14	72	75	180
ZGZ2034	20 x 3/4"	43	50	16	74	75	180
ZGZ2512	25 x 1/2"	50	54	14	75	50	120
ZGZ2534	25 x 3/4"	50	54	16	78	50	120
ZGZ251	25 x 1"	50	54	18	80	45	110
ZGZ3212	32 x 1/2"	58	62	14	86	75	147
ZGZ3234	32 x 3/4"	58	62	16	88	75	147
ZGZ321	32 x 1"	58	62	18	90	70	147
ZGZ32114	32 x 1 1/4"	58	62	20	91	70	147
ZGZ32112	32 x 1 1/2"	58	62	22	92	70	147
ZGZ4034	40 x 3/4"	74	73	16	99	45	90
ZGZ401	40 x 1"	74	73	18	101	45	90
ZGZ40114	40 x 1 1/4"	74	73	20	103	40	90
ZGZ40112	40 x 1 1/2"	74	73	22	105	39	80
ZGZ402	40 x 2"	74	73	28	109	39	80
ZGZ501	50 x 1"	85	85	18	114	26	65
ZGZ50114	50 x 1 1/4"	85	85	20	116	26	65
ZGZ50112	50 x 1 1/2"	85	85	22	118	26	65
ZGZ502	50 x 2"	85	85	26	122	22	55
ZGZ63114	63 x 1 1/4"	99	94	20	124	18	36
ZGZ63112	63 x 1 1/2"	99	94	22	126	18	42
ZGZ632	63 x 2"	99	94	26	130	18	36
ZGZ63212	63 x 2 1/2"	115	120	29	158	18	36
ZGZ752	75 x 2"	129	135	27	171	-	-
ZGZ75212	75 x 2 1/2"	129	135	34	178	-	-
ZGZ753	75 x 3"	129	135	34	178	-	-
ZGZ753	75 x 3"	129	135	34	178	-	-
ZGZ902	90 x 2"	155	158	34	200	-	-
ZGZ90212	90 x 2 1/2"	155	158	34	200	-	-
ZGZ903	90 x 3"	155	158	34	200	-	-
ZGZ904	90 x 4"	155	158	36	200	-	-
ZGZ1102	110 x 2"	183	198	34	247	-	-
ZGZ1103	110 x 3"	183	198	37	250	-	-
ZGZ1104	110 x 4"	183	200	37	250	-	-

## Elbow 90°



Nrkat.	d x d	D	H	L	małe	duże
KPE20	20 X 20	43	49	63	40	100
KPE25	25 x 25	50	55	72	25	60
KPE32	32 x 32	58	64	84	35	80
KPE40	40 x 40	74	80	100	18	48
KPE50	50 x 50	85	91	117	10	25
KPE63	63 x 63	99	95	127	8	18
KPE75	75 x 75	129	136	177	-	-
KPE90	90 x 90	155	156	204	-	-
KPE110	110 x 110	183	201	258	-	-

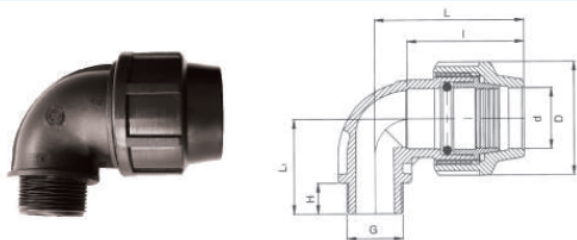
## Male elbow 45°



Nr kat.	d x G	D	L	H
KGZ32145	32 x 1"	58	120	75



## Male elbow 90°



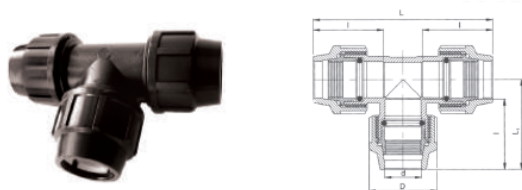
Nrkat.	d x G	D	I	H	L <sub>1</sub>	L	małe	duże
KGZ2012	20 x 1/2"	43	49	14	41	61	60	140
KGZ2034	20 x 3/4"	43	49	16	43	61	60	140
KGZ2512	25 x 1/2"	50	56	14	44	71	40	90
KGZ2534	25 x 3/4"	50	56	16	46	71	40	90
KGZ251	25 x 1"	50	56	18	49	73	35	80
KGZ3212	32 x 1/2"	58	67	14	48	81	60	130
KGZ3234	32 x 3/4"	58	67	16	50	81	60	130
KGZ321	32 x 1"	58	67	18	52	81	55	125
KGZ32114	32 x 1 1/4"	58	67	20	56	85	50	110
KGZ4034	40 x 3/4"	74	79	16	55	100	30	65
KGZ401	40 x 1"	74	79	18	57	100	30	65
KGZ40114	40 x 1 1/4"	74	79	20	59	100	30	65
KGZ40112	40 x 1 1/2"	74	79	22	61	100	28	60
KGZ50114	50 x 1 1/4"	85	95	20	66	118	18	40
KGZ50112	50 x 1 1/2"	85	95	22	68	118	18	40
KGZ502	50 x 2"	85	95	26	72	118	16	40
KGZ63112	63 x 1 1/2"	99	95	22	72	126	12	30
KGZ632	63 x 2"	99	95	26	76	126	12	30
KGZ63212	63 x 2 1/2"	115	130	32	104	174	-	-
KGZ75212	75 x 2 1/2"	129	136	32	104	188	-	-
KGZ753	75 x 3"	129	136	35	107	188	-	-
KGZ903	90 x 3"	155	156	35	114	210	-	-
KGZ904	90 x 4"	155	156	41	120	210	-	-
KGZ1104	110 x 4"	183	205	42	144	270	-	-

## Wall plate elbow



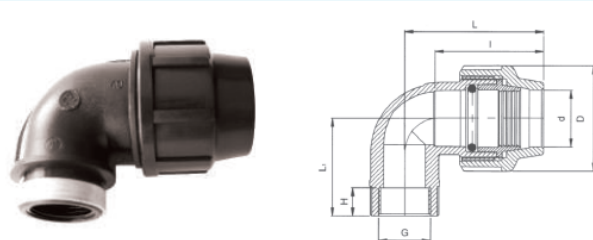
Nr kat.	d x G	D	L	H	H1	B	E	C	Opakowanie
KGW2012W	20 x 1/2"	47	68,5	89	46	36	32	5	260
KGW2512W	25 x 1/2"	52	75	102	51	39,5	35	5	200
KGW2534W	25 x 3/4"	52	75	102	51	39,5	35	5	200
KGW321W	32 x 1"	65	87	115	54	52	54	5	120

## Tee 90°



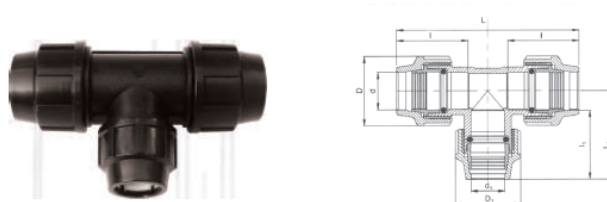
Nr kat.	d x d x d	D	I	L <sub>1</sub>	L	małe	duże
TPE20	20 x 20 x 20	43	52	63	126	25	60
TPE25	25 x 25 x 25	50	59	73	146	17	45
TPE32	32 x 32 x 32	58	66	85	169	25	58
TPE40	40 x 40 x 40	74	80	100	200	15	32
TPE50	50 x 50 x 50	85	92	117	235	7	17
TPE63	63 x 63 x 63	99	95	127	253	5	12
TPE75	75 x 75 x 75	129	142	180	364	-	-
TPE90	90 x 90 x 90	155	154	199	407	-	-
TPE110	110 x 110 x 110	183	209	264	539	-	-

## Female elbow 90°



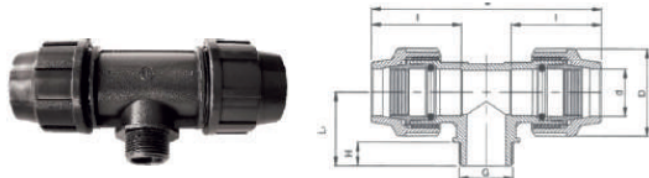
Nr kat.	d x G	D	I	H	L <sub>1</sub>	L	małe	duże
KGW2012	20 x 1/2"	43	49	17	44	61	50	110
KGW2034	20 x 3/4"	43	49	19	47	61	50	100
KGW2512	25 x 1/2"	50	60	17	46	69	35	80
KGW2534	25 x 3/4"	50	60	19	49	69	35	80
KGW251	25 x 1"	50	60	21	53	69	30	70
KGW3212	32 x 1/2"	58	67	17	54	80	55	70
KGW3234	32 x 3/4"	58	67	19	56	80	55	120
KGW321	32 x 1"	58	67	21	58	80	50	110
KGW32114	32 x 1 1/4"	58	67	23	60	80	45	90
KGW4034	40 x 3/4"	74	79	19	57	100	28	65
KGW401	40 x 1"	74	79	21	59	100	28	65
KGW40114	40 x 1 1/4"	74	79	23	61	100	25	60
KGW40112	40 x 1 1/2"	74	79	25	63	100	25	60
KGW50114	50 x 1 1/4"	85	95	23	70	117	17	40
KGW50112	50 x 1 1/2"	85	95	25	77	116	17	40
KGW502	50 x 2"	85	95	29	81	118	15	32
KGW63112	63 x 1 1/2"	99	95	25	76	126	12	26
KGW632	63 x 2"	99	95	29	80	126	11	26
KGW63212	63 x 2 1/2"	115	131	35	108	140	-	-
KGW752	75 x 2"	129	143	36	123	157	-	-
KGW75212	75 x 2 1/2"	129	143	37	125	157	-	-
KGW753	75 x 3"	129	143	38	129	157	-	-
KGW903	90 x 3"	155	158	40	140	169	-	-
KGZ904	90 x 4"	155	158	40	142	169	-	-
KGW1103	110 x 3"	183	211	40	134	223	-	-
KGW1104	110 x 4"	183	211	40	138	223	-	-

## Reducing tee



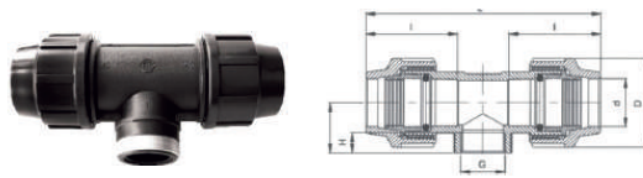
Nr kat.	d x d x d	D <sub>1</sub>	D	I	I <sub>1</sub>	L <sub>1</sub>	L	małe	duże
TRE2520	25 x 20 x 25	43	50	51	59	68	146	18	40
TRE3220	32 x 20 x 32	43	58	51	66	74	169	25	58
TRE3225	32 x 25 x 32	50	58	61	66	79	169	26	58
TRE4020	40 x 20 x 40	43	74	51	80	79	200	18	38
TRE4025	40 x 25 x 40	50	74	59	80	83	200	17	34
TRE4032	40 x 32 x 40	58	74	66	80	89	200	16	32
TRE5025	50 x 25 x 50	50	85	58	92	88	235	9	23
TRE5032	50 x 32 x 50	58	85	64	92	94	235	9	20
TRE5040	50 x 40 x 50	74	85	78	92	106	235	8	20
TRE6325	63 x 25 x 63	50	99	68	80	83	253	6	15
TRE6332	63 x 32 x 63	58	99	68	95	101	253	6	15
TRE6340	63 x 40 x 63	74	99	78	95	112	253	6	14
TRE6350	63 x 50 x 63	85	99	85	95	118	253	5	12
TRE7563	75 x 63 x 75	115	129	136	123	170	365	-	-
TRE9063	90 x 63 x 90	115	155	154	133	192	415	-	-
TRE9075	90 x 75 x 90	129	155	154	136	195	407	-	-
TRE11090	110 x 90 x 110	155	183	203	156	231	535	-	-

## Male tee



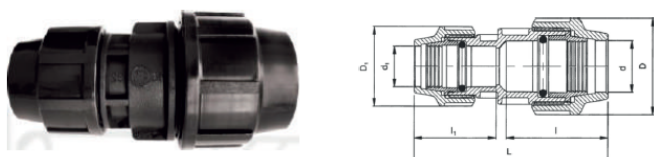
Nr kat.	d x G x d	D	I	H	L <sub>1</sub>	L	małe	duże
TGZ2012	20 x 1/2" x 20	43	52	13	40	126	35	80
TGZ2034	20 x 3/4" x 20	43	52	15	42	126	30	75
TGZ2512	25 x 1/2" x 25	50	59	13	44	146	20	50
TGZ2534	25 x 3/4" x 25	50	59	15	46	146	20	50
TGZ251	25 x 1" x 25	50	59	17	48	146	20	50
TGZ3212	32 x 1/2" x 32	58	66	13	50	169	30	70
TGZ3234	32 x 3/4" x 32	58	66	15	52	169	30	70
TGZ321	32 x 1" x 32	58	66	17	54	169	28	65
TGZ32114	32 x 1 1/4" x 32	58	66	19	56	169	28	65
TGZ401	40 x 1" x 40	74	80	18	58	200	20	40
TGZ40114	40 x 1 1/4" x 40	74	80	20	60	200	20	40
TGZ40112	40 x 1 1/2" x 40	74	80	22	62	200	19	40
TGZ50114	50 x 1 1/4" x 50	85	92	20	66	235	9	25
TGZ50112	50 x 1 1/2" x 50	85	92	22	68	235	9	25
TGZ502	50 x 2" x 50	85	92	26	72	235	8	23
TGZ63112	63 x 1 1/2" x 63	99	95	22	73	235	8	16
TGZ632	63 x 2" x 63	99	95	26	77	235	7	16
TGZ63212	63 x 2 1/2" x 63	115	130	28	63	335	-	-
TGZ75212	75 x 2 1/2" x 75	129	137	32	70	365	-	-
TGZ753	75 x 3" x 75	129	137	35	73	365	-	-
TGZ903	90 x 3" x 90	155	155	35	73	408	-	-
TGZ904	90 x 4" x 90	155	155	41	81	408	-	-
TGZ1104	110 x 4" x 110	183	211	42	98	538	-	-

## Female tee



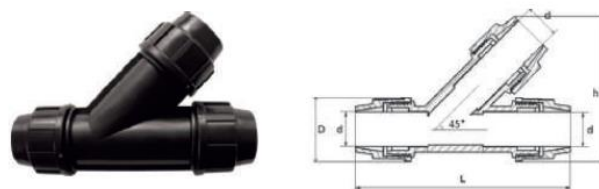
Nr kat.	d x G x d	D	I	H	L <sub>1</sub>	L	małe	duże
TGW2012	20 x 1/2" x 20	43	52	17	44	126	30	70
TGW2034	20 x 3/4" x 20	43	52	19	47	126	30	65
TGW2512	25 x 1/2" x 25	50	59	17	45	146	20	50
TGW2534	25 x 3/4" x 25	50	59	19	49	146	20	45
TGW251	25 x 1" x 25	50	59	21	53	146	18	45
TGW3212	32 x 1/2" x 32	58	66	17	52	169	28	65
TGW3234	32 x 3/4" x 32	58	66	19	54	169	28	65
TGW321	32 x 1" x 32	58	66	21	56	169	28	65
TGW32114	32 x 1 1/4" x 32	58	66	23	58	169	28	63
TGW401	40 x 1" x 40	74	80	21	61	200	19	40
TGW40114	40 x 1 1/4" x 40	74	80	23	68	200	17	34
TGW40112	40 x 1 1/2" x 40	74	80	25	69	200	17	34
TGW50114	50 x 1 1/4" x 50	85	92	23	70	235	9	23
TGW50112	50 x 1 1/2" x 50	85	92	25	76	235	9	20
TGW502	50 x 2" x 50	85	92	29	80	235	8	20
TGW63114	63 x 1 1/4" x 63	99	95	25	77	253	7	15
TGW63112	63 x 1 1/2" x 63	99	95	25	77	253	6	14
TGW632	63 x 2" x 63	99	95	29	81	253	-	-
TGW63212	63 x 2 1/2" x 63	115	123	30	65	313	-	-
TGW752	75 x 2" x 75	129	138	35	84	362	-	-
TGW75212	75 x 2 1/2" x 75	129	138	35	84	362	-	-
TGW753	73 x 3" x 75	129	138	36	85	362	-	-
TGW90212	90 x 2 1/2" x 90	155	154	43	91	406	-	-
TGW903	90 x 3" x 90	155	154	47	95	406	-	-
TGW904	90 x 4" x 90	155	154	47	95	406	-	-
TGW1103	110 x 3" x 110	183	205	41	104	534	-	-
TGW1104	110 x 4" x 110	183	205	45	104	534	-	-

## Reducing coupler



Nr kat.	d x d1	D	D1	I	I1	L	małe	duże
ZRE2520	25 x 20	50	43	56	52	112	38	80
ZRE3220	32 x 20	58	43	64	52	121	28	72
ZRE3225	32 x 25	58	50	64	55	125	54	126
ZRE4020	40 x 20	74	43	73	52	134	36	75
ZRE4025	40 x 25	74	50	73	55	138	36	72
ZRE4032	40 x 32	74	58	73	62	145	30	70
ZRE5025	50 x 25	85	50	85	55	151	24	60
ZRE5032	50 x 32	85	58	85	62	157	20	50
ZRE5040	50 x 40	85	74	85	73	168	15	37
ZRE6332	63 x 32	99	58	93	62	163	18	36
ZRE6340	63 x 40	99	74	93	73	174	12	29
ZRE6350	63 x 50	99	85	93	88	185	12	24
ZRE7550	75 x 50	129	96	134	100	248	-	-
ZRE7563	75 x 63	129	115	146	130	285	-	-
ZRE9063	90 x 63	155	115	157	134	298	-	-
ZRE9075	90 x 75	155	129	162	146	318	-	-
ZRE11075	110 x 75	178	131	192	129	365	-	-
ZRE11090	110 x 90	183	155	201	157	370	-	-

## Tee Y 45°



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TPY40	40 x 40 x 40	74	245	170	10	20

## We have the following certificates

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Poland

Quality System Certificate ISO 9001:2015



Poland

Compression fittings for PE pipes  
Hygiene Certification of the National Institute of Hygiene  
in Poland



Poland

Compression fittings for PE pipes  
National Technical Assessment ITB



Poland

Fittings for installations  
National Technical Assessment IBDiM



Poland

Compression fittings for HDPE pipes  
Expertise of ZDBŁ

