ISO 9001 : 2015

HDPE PRESSURE SYSTEM

InstalPlast task®

HDPE PRESSURE SYSTEM

InstalPlast Łask is a manufacturer of polyethylene (PE) pipes and fittings designed for water pipe networks, sewage systems, gas pipelines, as well as industrial networks for many chemicals. Depending on the density of material used for the production, the InstalPlast Łask PE pipes are divided into three classes: PE80 (1,25 MPa), PE100 and PE100 RC (1,6 MPa). Polyethylene is characterised by a low specific gravity and high chemical resistance. We produce pipes in coils (DN 20 – 110 mm) and 12-meter sections (DN 75 – 400 mm).
Our offer includes a full range of PE segment-type fittings in dimensions of DN 90 – 400 mm, as well as compression fittings for the smaller diameter pipes.
PE100 RC pipes, manufactured in InstalPlast Łask, are 1- or 2-layered, produced in coils or 12-meter sections.

Norms and documents:
PN EN 12201-2:2011
PN EN 12201-3:2011
PN-C-04750:2011
DECLARATION OF PERFORMANCE
SAFETY CERTIFICATE – OIL AND GAS INSTITUTE (INiG)
TECHNICAL APPROVAL - OIL AND GAS INSTITUTE (INiG)
NATIONAL TECHNICAL ASSESSMENT – THE BUILDING RESEARCH INSTITUTE (ITB)
TECHNICAL OPINION – CENTRAL MINING INSTITUTE (GIG)
CERTYFICATE OF CONFORMITY - CENTRAL MINING INSTITUTE (GIG)
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HDPE 100 RC Pipe
water

DIAMETER	WALL THICKNESS [mm]		LENGTH
DN	SDR 17 PN 10	SDR 11 PN 16	[m]
32	2,0	3,0	200
40	2,4	3,7	150
50	3,0	4,6	100
63	3,8	5,8	100
75	4,5	6,8	100/12
90	5,4	8,2	100/12
110	6,6	10,0	100/12
125	7,4	11,4	12
140	8,3	12,7	12
160	9,5	14,6	12
180	10,7	16,4	12
200	11,9	18,2	12
225	13,4	20,5	12
250	14,8	22,7	12
280	16,6	25,4	12
315	18,7	28,6	12
400	23,7	36,3	12

HDPE 100 RC Pipe
gas

DIAMETER	WALL THICKNESS [mm]		LENGTH
DN	SDR 17 PN 10	SDR 11 PN 16	[m]
25	-	3,0	300
32	-	3,0	200
40	-	3,7	150
50	-	4,6	100
63	-	5,8	100
75	4,5	6,8	100/12
90	5,4	8,2	100/12
110	6,6	10,0	100/12
125	7,4	11,4	12
140	8,3	12,7	12
160	9,5	14,6	12
180	10,7	16,4	12
200	11,9	18,2	12
225	13,4	20,5	12
250	14,8	22,7	12
280	16,6	25,4	12
315	18,7	28,6	12
400	23,7	36,3	12

PE PRESSURE PIPES

Irrigation Pipe	DIAMETER	WALL THICKNESS	LENGTH
SDR 17 PN 4	DN	[mm]	[m]
	16	2,0	400
	20	2,0	400
	25	2,0	300
	32	2,0	200
	40	2,4	150
	50	3,0	100

HDPE 80 Pipe	DIAMETER	WALL THICKNESS [mm]				LENGTH
	DN	SDR 21 PN 6	SDR 17,6 PN 7,5	SDR 13,6 PN 10	SDR 11 PN 12,5	[m]
	20	-	-	-	2,0	400
	25	-	-	2,0	2,3	300
	32	-	2,0	2,4	3,0	200
	40	-	2,4	3,0	3,7	150
	50	2,4	3,0	3,7	4,6	100
	63	3,0	3,8	4,7	5,8	100
	75	3,6	4,5	5,6	6,8	100/12
	90	4,3	5,4	6,7	8,2	100/12
	110	5,3	6,6	8,1	10,0	100/12
	125	6,0	7,4	9,2	11,4	12
	140	6,7	8,3	10,3	12,7	12
	160	7,7	9,5	11,8	14,6	12
	180	8,6	10,7	13,3	16,4	12
	200	9,6	11,9	14,7	18,2	12
	225	10,8	13,4	16,6	20,5	12
	250	11,9	14,8	18,4	22,7	12
	280	13,4	16,6	20,6	25,4	12
	315	15,0	18,7	23,2	28,9	12
	400	19,0	23,7	29,4	36,3	12

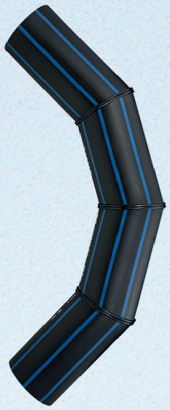
HDPE 100 Pipe	DIAMETER	WALL THICKNESS [mm]		LENGTH
	DN	SDR 17 PN 10	SDR 11 PN 16	[m]
	16	-	2	400
	20	-	2,0	400
	25	-	2,3	300
	32	2,0	3,0	200
	40	2,4	3,7	150
	50	3,0	4,6	100
	63	3,8	5,8	100
	75	4,5	6,8	100/12
	90	5,4	8,2	100/12
	110	6,6	10,0	100/12
	125	7,4	11,4	12
	140	8,3	12,7	12
	160	9,5	14,6	12
	180	10,7	16,4	12
	200	11,9	18,2	12
	225	13,4	20,5	12
	250	14,8	22,7	12
	280	16,6	25,4	12
	315	18,9	28,9	12
	400	23,7	36,3	12

Bend

HDPE 80 -SDR 13,6 ; SDR 11
HDPE 100 -SDR 17 ; SDR 11

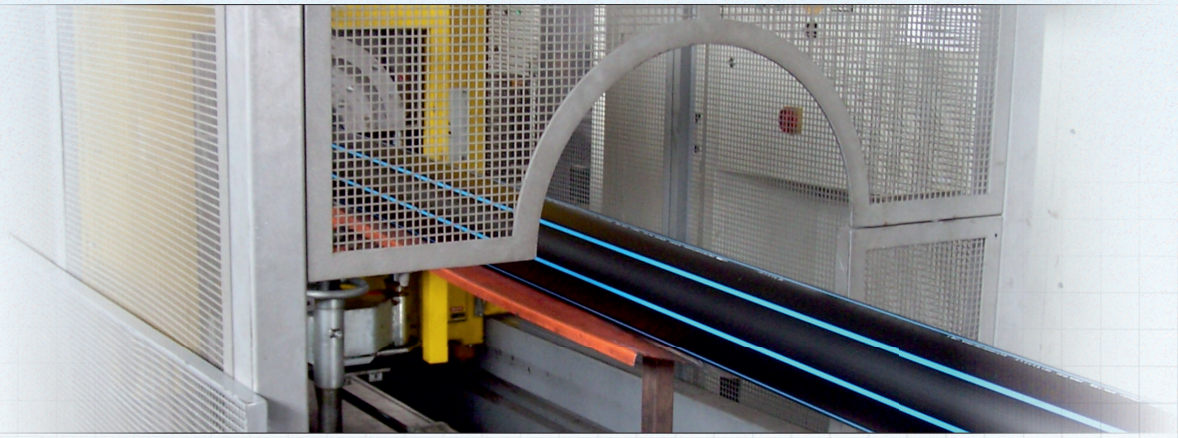
15°, 30°

45°, 60°

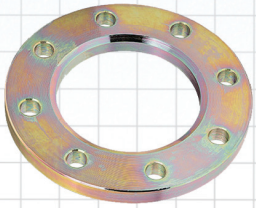


90°

DIAMETER DN
90
110
125
140
160
180
200
225
250
280
315
400



Steel Flange, Stub End

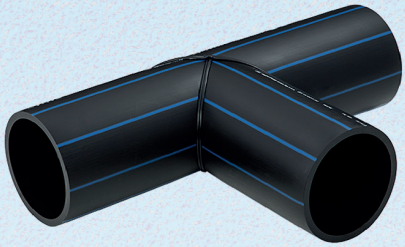


DIAMETER DN
90
110
125
140
160
180
200
225
250
280
315

PE PRESSURE FITTINGS

Tee

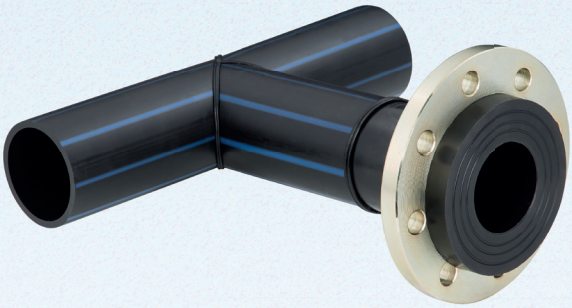
HDPE 80 -SDR 13,6 ; SDR 11
HDPE 100 -SDR 17 ; SDR 11



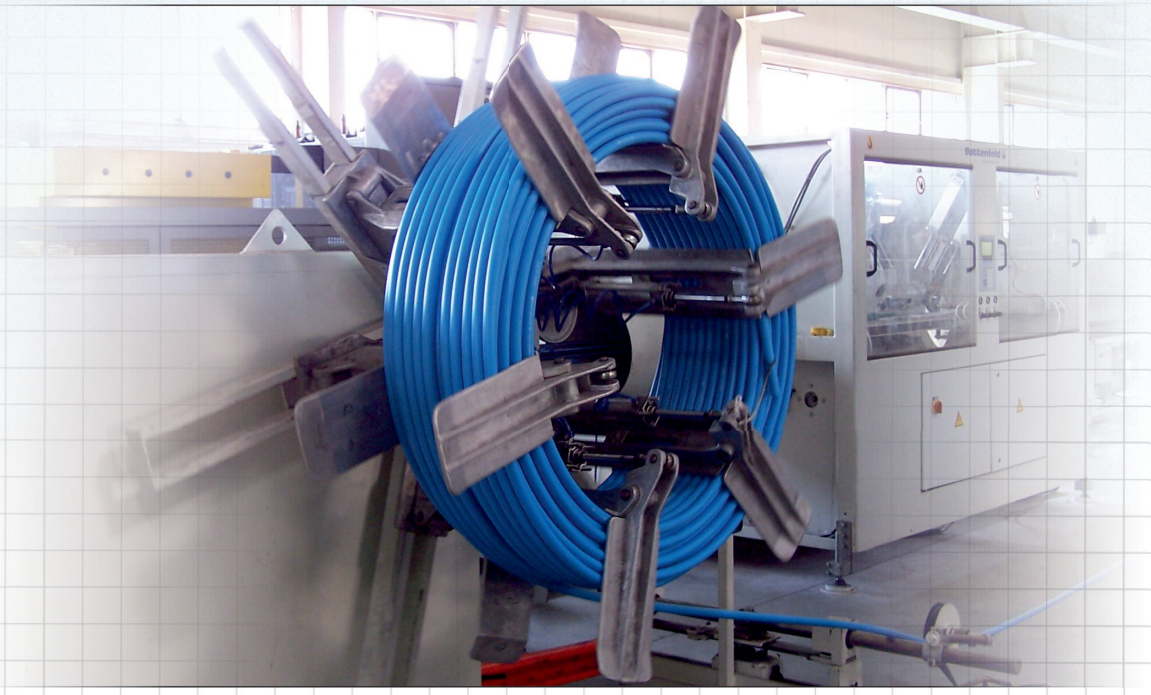
DIAMETER
DN
90
110
125
140
160
180
200
225
250
280
315
400

Flanged Tee

HDPE 80 -SDR 13,6 ; SDR 11
HDPE 100 -SDR 17 ; SDR 11

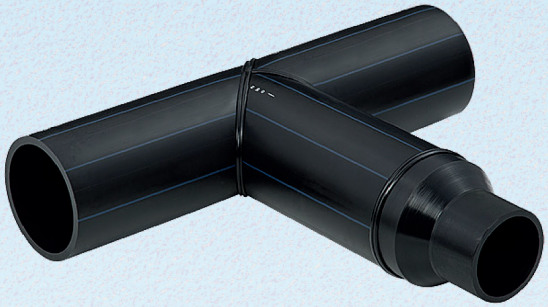


DIAMETER
examples of configurations
DN
90 / 80
110 / 100
125 / 125
140 / 125
160 / 150
180 / 150
200 / 200
225 / 200
250 / 250
280 / 250
315 / 300



Reducing Tee

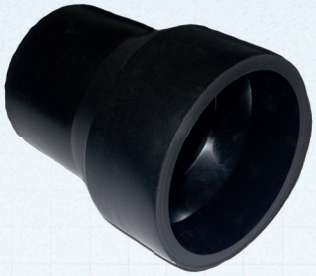
HDPE 80 -SDR 13,6 ; SDR 11
HDPE 100 -SDR 17 ; SDR 11



DIAMETER
examples of configurations
DN
110 / 90
125 / 90
125 / 110
160 / 90
160 / 110
180 / 110
200 / 160
225 / 160
250 / 225
280 / 200
315 / 225

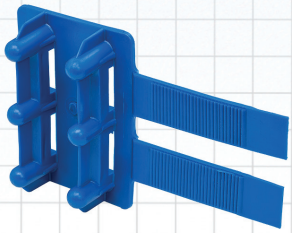
Reduction

HDPE 80 -SDR 13,6 ; SDR 11
HDPE 100 -SDR 17 ; SDR 11



DIAMETER
examples of configurations
DN
110 / 90
125 / 90
125 / 110
160 / 90
160 / 110
180 / 110
200 / 160
225 / 160
250 / 225
280 / 200
315 / 225

Centric Pipe Holder



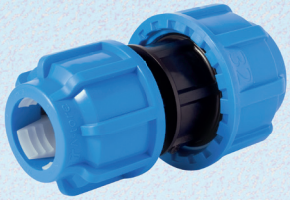
TYPE
[mm]
AMP A1 (H 125 mm)
AMP A2 (H 142 mm)
AMP A3 (H 161 mm)

PE COMPRESSION FITTINGS

Coupling

DIAMETER DN
20
25
32
40
50
63
75
90
110

Reducing Coupling



DIAMETER DN
25 x 20
32 x 25
32 x 20
40 x 25
40 x 32
50 x 25
50 x 32
50 x 40
63 x 32
63 x 40
63 x 50
75 x 50
75 x 63
90 x 63
90 x 75
110 x 75

Female Adaptor

DIAMETER DN
20 x 1/2
20 x 3/4
25 x 1/2
25 x 3/4
25 x 1
32 x 1/2
32 x 3/4
32 x 1
32 x 5/4
40 x 1
40 x 5/4
40 x 6/4
50 x 5/4
50 x 6/4
50 x 2
63 x 6/4
63 x 2
75 x 2
75 x 2.5
75 x 3
90 x 2
90 x 2.5
90 x 3
110 x 3
110 x 4

Male Adaptor

DIAMETER DN
20 x 1/2
20 x 3/4
25 x 1/2
25 x 3/4
25 x 1
32 x 3/4
32 x 1
32 x 5/4
40 x 1
40 x 5/4
40 x 6/4
50 x 5/4
50 x 6/4
50 x 2
63 x 6/4
63 x 2
63 x 2.5
75 x 2
75 x 2.5
75 x 3
90 x 2
90 x 2.5
90 x 3
90 x 4
110 x 2
110 x 3
110 x 4

PE COMPRESSION FITTINGS

Elbow

DIAMETER
DN
20
25
32
40
50
63
75
90
110

Elbow with Female Thread

DIAMETER
DN
20 x 1/2
20 x 3/4
25 x 1/2
25 x 3/4
25 x 1
32 x 1/2
32 x 3/4
32 x 1
32 x 5/4
40 x 5/4
40 x 6/4
50 x 6/4
50 x 2
63 x 2
63 x 2,5
75 x 2.5
75 x 3
90 x 3
110 x 4

Elbow with Male Thread

DIAMETER
DN
20 x 1/2
20 x 3/4
25 x 1/2
25 x 3/4
25 x 1
32 x 1
32 x 5/4
40 x 5/4
40 x 6/4
50 x 6/4
50 x 2
63 x 2
63 x 2,5
75 x 2.5
75 x 3
90 x 3
110 x 4

PE COMPRESSION FITTINGS

Reducing Tee

DIAMETER DN
25 x 20
32 x 25
40 x 32
50 x 40
63 x 50

Tee

DIAMETER DN
DN
20
25
32
40
50
63
75
90
110

Tee
with Male Thread

DIAMETER DN
20 x 1/2
20 x 3/4
25 x 3/4
25 x 1
32 x 1
32 x 5/4
40 x 5/4
40 x 6/4
50 x 6/4
50 x 2
63 x 2
63 x 2,5
75 x 2.5
90 x 3
110 x 4

Tee
with Female Thread

DIAMETER DN
20 x 1/2
20 x 3/4
25 x 1/2
25 x 3/4
25 x 1
32 x 1/2
32 x 3/4
32 x 1
32 x 5/4
40 x 1
40 x 5/4
40 x 6/4
50 x 6/4
50 x 2
63 x 2
63 x 2,5
75 x 2.5
90 x 3
110 x 4

PE COMPRESSION FITTINGS

End Plug

DIAMETER
DN
20
25
32
40
50
63
75
90
110

Clamp Saddle

with Female Thread

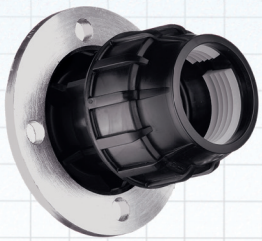
DIAMETER
DN
20 x 1/2
25 x 1/2
25 x 3/4
32 x 1/2
32 x 3/4
32 x 1
40 x 1/2
40 x 3/4
40 x 1
50 x 3/4
50 x 1
50 x 5/4
63 x 1/2
63 x 3/4
63 x 1
63 x 5/4
63 x 6/4
75 x 3/4
75 x 1
75 x 5/4
75 x 6/4
75 x 2
90 x 3/4
90 x 1
90 x 5/4
90 x 6/4
90 x 2
110 x 1/2
110 x 3/4
110 x 1
110 x 2

Clamp Saddle

with Reinforcing Ring

DIAMETER
DN
25 x 1/2
25 x 3/4
32 x 1/2
32 x 3/4
32 x 1
40 x 1/2
40 x 3/4
40 x 1
50 x 3/4
50 x 1
50 x 5/4
63 x 1/2
63 x 3/4
63 x 1
63 x 5/4
63 x 6/4
75 x 3/4
75 x 1
75 x 5/4
75 x 6/4
75 x 2
90 x 3/4
90 x 1
90 x 5/4
90 x 6/4
90 x 2
110 x 1
110 x 5/4
110 x 6/4
110 x 2

Flanged Adaptor



DIAMETER
DN
50 x 6/4
63 x 2
75 x 2,5
75 x 3
90 x 3
90 x 4
110 x 4

InstalPlast Łask sp. z o.o. sp. k.
Production Plant
ul. Żeromskiego 66, 98-100 Łask
Phone: +48 (43) 675 80 86
fax +48 (43) 675 80 86 ext. 210
www.instalplast.pl
e-mail: marketing@instalplast.pl

Distribution

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