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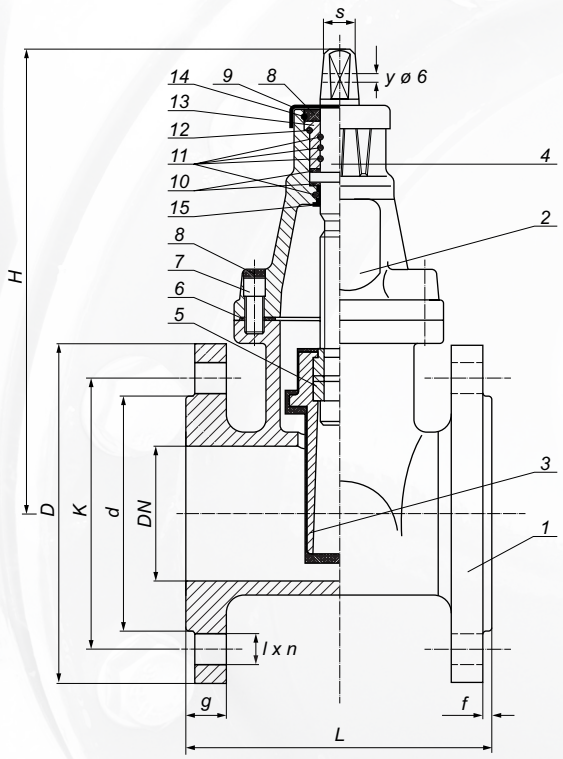
Flanged gate valve type 111 F4 PN 10



No.	Description	Pcs.	Material
1.	Body	1	EN-GJL-250
2.	Cover	1	EN-GJL-250
3.	Rubberized wedge	1	EN-GJL-250/EN-GJS-500-7/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Overall lenght: PN-EN 558-1:2001 row 14
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10
Requirements and inspection according to PN-EN 1074-1,2:2002

Option to exchange O-rings under pressure on a working pipeline.

DN	L	H	K	d	l	n	D	g	f	s	Weight
50	150	210	125	102	18	4	165	18	3	14	11,50
80	180	280	160	135	18	4(8)	200	20	3	17	17,00
100	190	290	180	155	18	8	220	20	3	19	20,50
150	210	400	240	212	22	8	285	20	3	19	39,00
200	230	500	295	266	22	8	340	25	3	24	67,50

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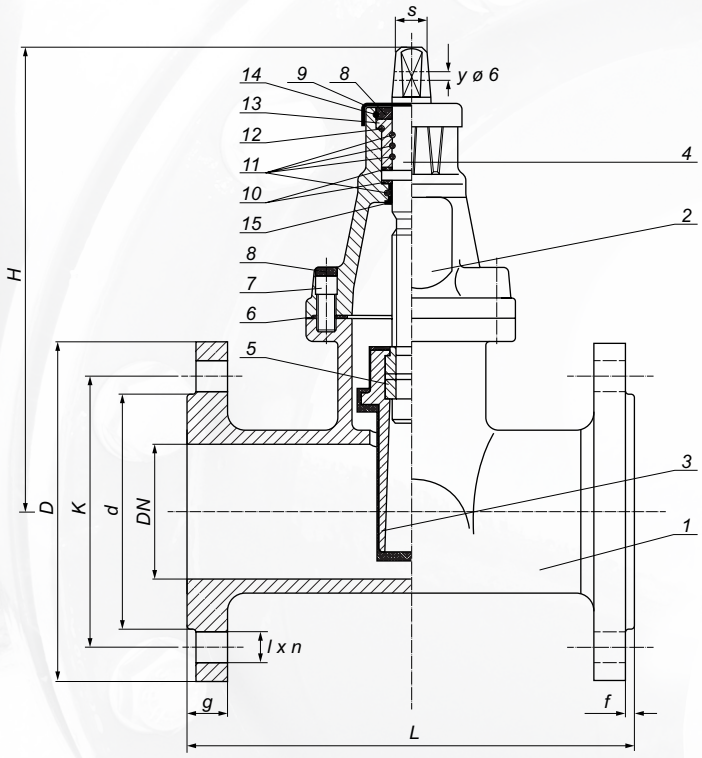
Flanged gate valve type 111 F4 PN 10

Flanged gate valve type 002 F5 PN 10



No.	Description	Pcs.	Material
1.	Body	1	EN-GJL-250
2.	Cover	1	EN-GJL-250
3.	Rubberized wedge	1	EN-GJL-250/EN-GJS-500-7/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Overall lenght: PN-EN 558-1:2001 row 15
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10
Requirements and inspection according to PN-EN 1074-1,2:2002

Option to exchange O-rings under pressure on a working pipeline.

DN	L	H	K	d	l	n	D	g	f	s	Weight
50	250	210	125	102	18	4	165	18	3	14	12,50
80	280	280	160	135	18	4(8)	200	20	3	17	20,00
100	300	290	180	155	18	8	220	20	3	19	23,50
150	350	400	240	212	22	8	285	20	3	19	40,50
200	400	500	295	266	22	8	340	25	3	24	80,50

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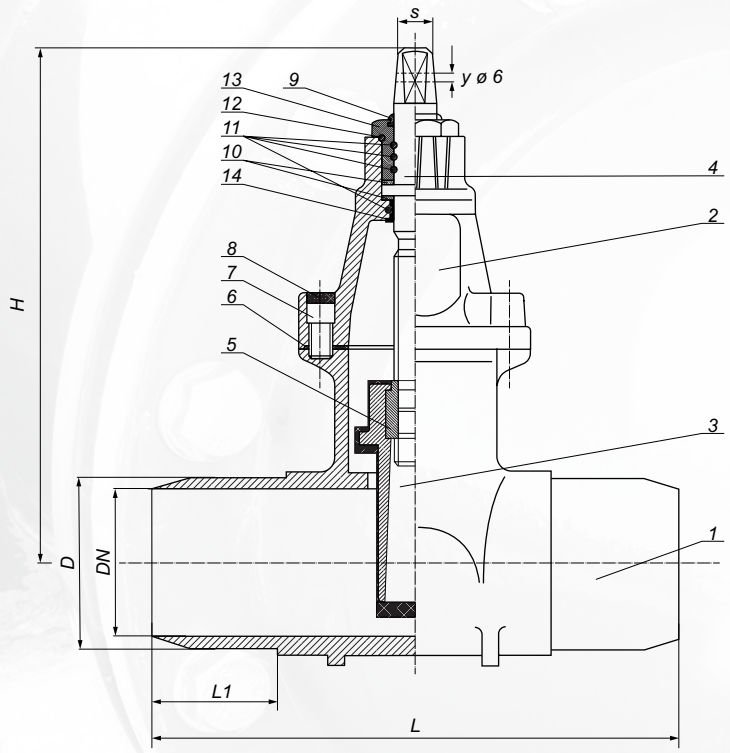
Flanged gate valve type 002 F5 PN 10

Bare gate valve PN 10



No.	Description	Pcs.	Material
1.	Body	1	EN-GJL-250
2.	Cover	1	EN-GJL-250
3.	Rubberized wedge	1	EN-GJL-250/EN-GJS-500-7/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8/ Stainless steel A2
8.	Screw shield	4	Glue/paraffin
9.	Lip seal	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Nominal pressure: 1,0 MPa; PN 10
Requirements and inspection according to PN-EN 1074-1,2:2002

Option to exchange O-rings under pressure on a working pipeline.

DN	D	L	L1	H	s	Weight
80	90	280	85	280	17	12,00

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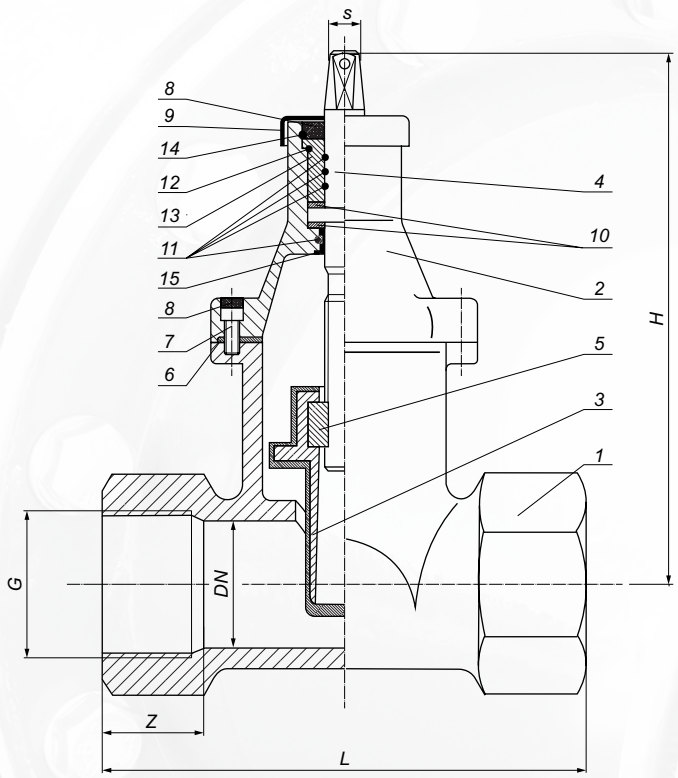
Bare gate valve PN 10

Service valve PN 10



No.	Description	Pcs.	Material
1.	Body	1	EN-GJL-250
2.	Cover	1	EN-GJL-250
3.	Rubberized wedge	1	EN-GJS-500-7/Brass MO59/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Nominal pressure: 1,0 MPa; PN 10
Requirements and inspection according to PN-EN 1074-1,2:2002
Threaded socket: PN-EN 10226-1:2006

Option to exchange O-rings under pressure on a working pipeline.

DN	G	L	H	s	z	Weight
20*	3/4”	100	120	14	20	1,20
25*	1”	100	120	14	20	1,20
32	5/4”	120	170	14	20	2,90
40	6/4”	120	170	14	20	2,80
50	2”	185	215	14	20	7,30

** cover screwed into the body of the gate valve*

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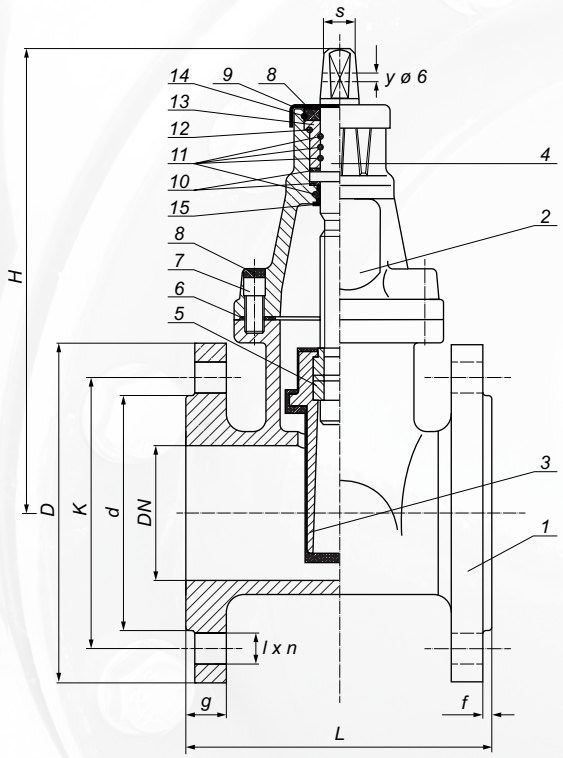
Service valve PN 10

DN20, DN25

DN32, DN40, DN50

Flanged gate valve type 111 F4
ductile iron PN 10/16



No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Cover	1	EN-GJS-500-7
3.	Rubberized wedge	1	EN-GJS-500-7/EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Overall lenght: PN-EN 558-1:2001 row 14
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16
Requirements and inspection according to PN-EN 1074-1,2:2002

Option to exchange O-rings under pressure on a working pipeline.

DN	L	H	K	d	l	n	D	g	f	s	Weight
40	140	210	110	84	18	4	150	18	3	14	9,50
50	150	210	125	102	18	4	165	18	3	14	10,50
65	170	250	145	118	18	4	185	18	3	17	13,00
80	180	280	160	135	18	8	200	20	3	17	17,00
100	190	290	180	155	18	8	220	20	3	19	20,50
125	200	350	210	184	18	8	250	20	3	19	30,00
150	210	400	240	212	22	8	285	20	3	19	33,00
200	230	500	295	266	22	8(12)	340	22	3	24	69,00
250	250	640	350 (355)	320	22 (26)	12	400	22	3	27	102,00
300	270	740	400 (410)	376	22 (26)	12	455	25	4	27	148,00

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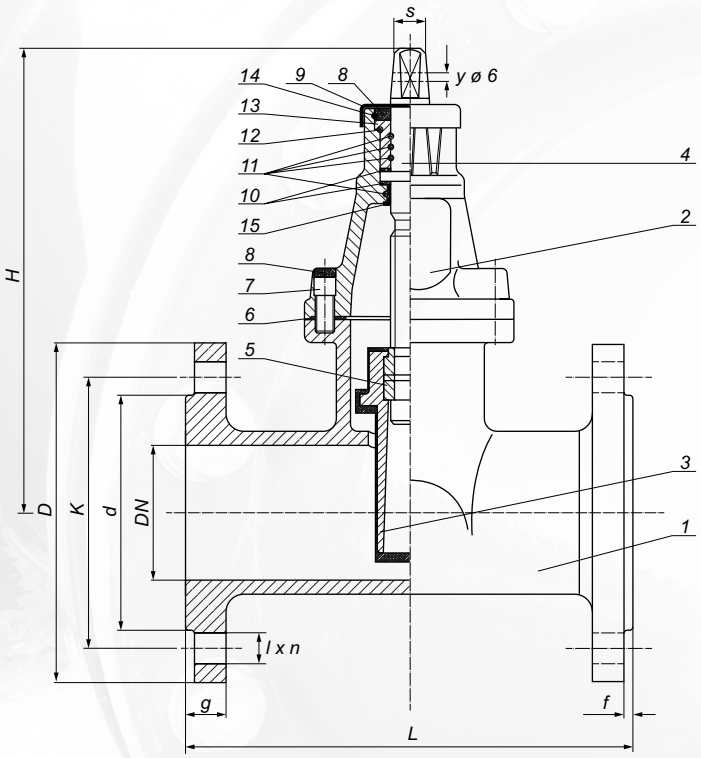
Flanged gate valve type 111 F4 ductile iron PN 10/16

Flanged gate valve type 002 F5
ductile iron PN 10/16



No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Cover	1	EN-GJS-500-7
3.	Rubberized wedge	1	EN-GJS-500-7/EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Overall lenght: PN-EN 558-1:2001 row 15
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16
Requirements and inspection according to PN-EN 1074-1,2:2002

Option to exchange O-rings under pressure on a working pipeline.

DN	L	H	K	d	l	n	D	g	f	s	Weight
40	240	210	110	84	18	4	150	18	3	14	10,50
50	250	210	125	102	18	4	165	18	3	14	11,50
65	270	278	145	118	18	4	185	18	3	17	17,00
80	280	280	160	135	18	8	200	20	3	17	19,00
100	300	290	180	155	18	8	220	20	3	19	22,00
125	325	350	210	184	18	8	250	20	3	19	33,00
150	350	400	240	212	22	8	285	20	3	19	37,50
200	400	500	295	266	22	8(12)	340	22	3	24	76,50
250	450	640	350 (355)	320	22 (26)	12	400	22	3	27	119,00
300	500	740	400 (410)	376	22 (26)	12	455	25	4	27	169,00

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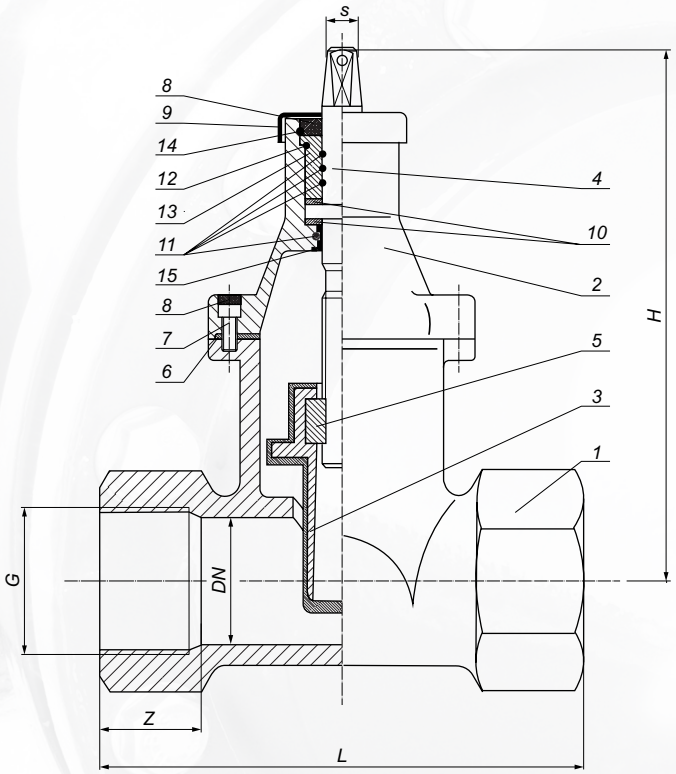
Flanged gate valve type 002 F5 ductile iron PN 10/16

Service valve ductile iron PN 10/16



No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Cover	1	EN-GJS-500-7
3.	Rubberized wedge	1	EN-GJS-500-7/Brass MO59/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid

It is used to cut off flow of chemically inert liquids of temperature up to 70°C in pipelines and installations.

Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa; PN 10/16
Requirements and inspection according to PN-EN 1074-1,2:2002
Threaded socket: PN-EN 10226-1:2006

Option to exchange O-rings under pressure on a working pipeline.

DN	G	L	H	s	z	Weight
20*	3/4”	100	120	14	20	1,20
25*	1”	100	120	14	20	1,20
32	5/4”	120	170	14	20	2,80
40	6/4”	120	170	14	20	2,70
50	2”	185	215	14	20	7,20

** cover screwed into the body of the gate valve*

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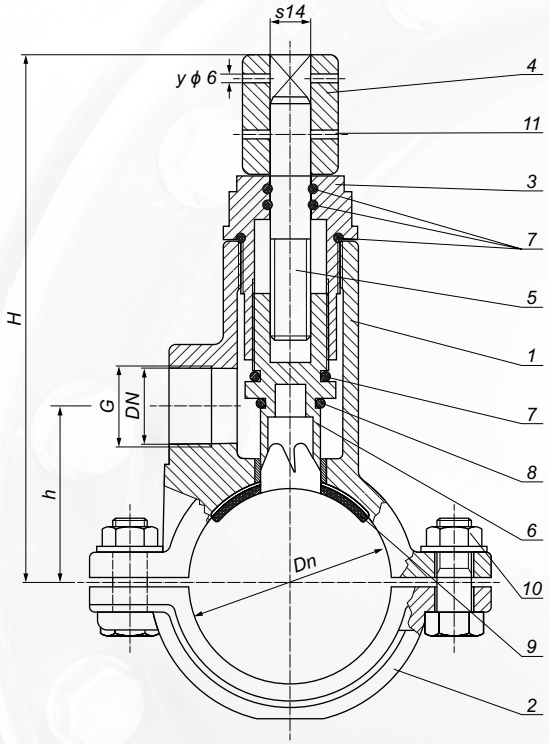
Service valve ductile iron PN 10/16

DN20, DN25

DN32, DN40, DN50

Spotting drill NS (self-drilling) for PE and PVC pipes PN 10 and ductile iron PN 10/16



It is used for connecting home installations to the water supply pipeline made of PE and PVC pipes without the use of additional equipment. The connection can be made on the working water supply network.

Medium: non-aggressive liquids with a temperature up to 70°C
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Pcs.	Material
1.	Body	1	EN-GJL-250/EN-GJS-500-7
2.	Saddle	1	EN-GJL-250/EN-GJS-500-7
3.	Plug screw	1	EN-GJL-250/EN-GJS-500-7
4.	Cap	1	EN-GJL-250/EN-GJS-500-7
5.	Spindle	1	Stainless steel 2H13
6.	Rotary knife	1	Stainless steel 2H13
7.	O-ring	4	EPDM/NBR
8.	Set gasket	1	EPDM/NBR
9.*	Upper saddle gasket	1	EPDM/NBR
10.	Screw, pad, nut	2	Galvanized steel 8.8 class/ Stainless steel A2/A4
11.	Rivet	1	Steel

** It is possible to make a clamp with full rubber lining.*

Dn	G	DN	H	h	Weight
63	5/4”	32	220	60	4,70
90			230	75	5,80
110			240	85	6,50
125			310	135	8,20
160			260	115	7,50
225			355	185	9,70
63	6/4”	40	220	60	4,60
90			230	75	5,70
110			240	85	6,40
125			310	135	8,10
160			260	115	7,40
225			355	185	9,60
90	2”	50	290	115	6,60
110			300	125	7,60
125			310	135	8,00
160			325	155	8,50
225			355	185	9,50

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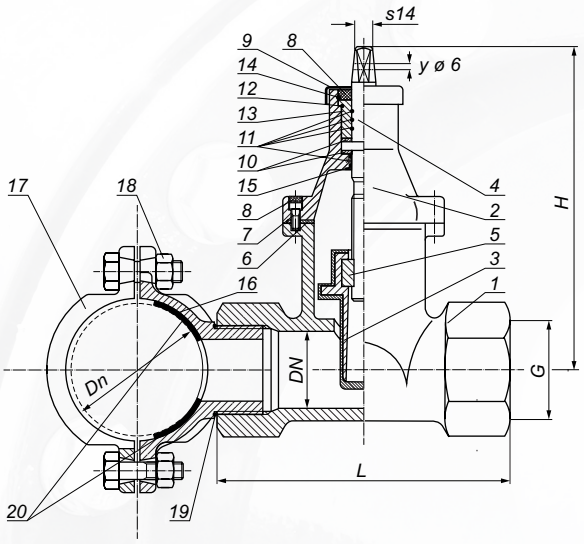
Spotting drill NS (self-drilling) for PE and PVC pipes PN 10 and ductile iron PN 10/16

EN-GJL 250

EN-GJS 500-7

Spotting drill NZ for PE and PVC pipes ductile iron PN 10/16



No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Cover	1	EN-GJS-500-7
3.	Rubberized wedge	1	EN-GJS-500-7/Brass MO59/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid
16.	Upper saddle	1	EN-GJS-500-7
17.	Lower saddle	1	EN-GJS-500-7
18.	Screw, pad, nut	4	Galvanized steel 8.8 class/ Stainless steel A2/A4
19.	Saddle O-ring	1	EPDM/NBR
20.*	Saddle gasket	1	EPDM/NBR

** It is possible to make a clamp with full rubber lining.*

It is used for connecting home installations to the water supply network made of PE and PVC pipes and shutting off the flow. Indentation on an active water supply must be made using a drilling device. Option to exchange O-rings under pressure on a working pipeline.

Medium: non-aggressive liquids with a temperature up to 70°C
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa; PN 10/16

Dn	G	DN	L	H	Weight
63	5/4”	32	120	170	4,70
90			120	170	5,70
110			120	170	5,90
125			120	170	6,30
160			120	170	7,70
225			120	170	9,10
63	6/4”	40	120	170	4,60
90			120	170	5,60
110			120	170	5,80
125			120	170	6,20
160			120	170	7,60
225			120	170	9,00
90	2”	50	185	215	10,00
110			185	215	10,20
125			185	215	10,60
160			185	215	12,00
225			185	215	13,40

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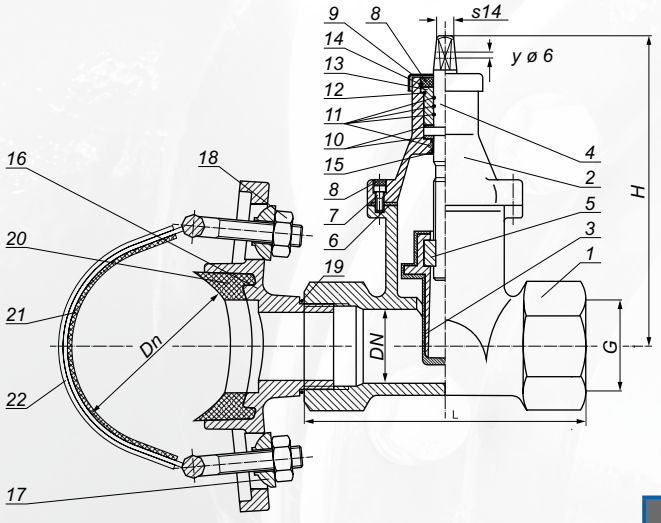
Spotting drill NZ for PE and PVC pipes ductile iron PN 10/16

Spotting drill NZE (for cast iron, AC, steel pipes) ductile iron PN 10/16



It is used to make connections of home installations to the water supply network made of pipes: Cast iron, AC, Steel and flow shut off. Indentation on an active network should be made using a drilling device.

Option to exchange O-rings under pressure on a working pipeline.

Medium: non-aggressive liquids with a temperature up to 70°C
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Cover	1	EN-GJS-500-7
3.	Rubberized wedge	1	EN-GJS-500-7/Bras MO59/ EPDM/NBR
4.	Spindle	1	Stainless steel 2H13
5.	Nut	1	Brass MO59
6.	Cover gasket	1	EPDM/NBR
7.	Allen screw	4	Galvanized steel 8.8 class/ Stainless steel A2
8.	Screw shield	5	Glue/paraffin
9.	Spindle shield	1	EPDM/NBR
10.	Bearing	2	Tarnamid
11.	Spindle O-ring	4	EPDM/NBR
12.	Choke O-ring	1	EPDM/NBR
13.	Choke	1	Brass MO59
14.	Protection ring	1	Special steel
15.	Locking sleeve	1	Tarnamid
16.	Upper saddle NZE	1	EN-GJS-500-7
17.	Ball pad	2	Stainless steel/HDPE
18.	Nut	2	Stainless steel A4
19.	O-ring	1	EPDM/NBR
20.	Saddle gasket	1	EPDM/NBR
21.	Saddle lining	1	EPDM/NBR
22.	Steel saddle	1	Stainless steel A2

Dn	DN	G	L	H	Weight
75-83	32	5/4"	120	170	4,60
89-104			120	170	4,70
107-130			120	170	4,70
124-144			120	170	4,70
148-160			120	170	4,90
159-178			120	170	4,90
179-200			120	170	5,40
219-238			120	170	5,60
248-275			120	170	6,20
287-307			120	170	6,30
315-327			120	170	6,50
345-371			120	170	6,60
75-83	40	6/4"	120	170	4,60
89-104			120	170	4,70
107-130			120	170	4,70
124-144			120	170	4,70
148-160			120	170	4,90
159-178			120	170	4,90
179-200			120	170	5,40
219-238			120	170	5,60
248-275			120	170	6,20
287-307			120	170	6,30
315-327			120	170	6,50
345-371			120	170	6,60
89-104	50	2"	185	215	8,90
107-130			185	215	8,90
124-144			185	215	8,90
148-160			185	215	9,10
159-178			185	215	9,10
179-200			185	215	9,60
219-238			185	215	9,80
248-275			185	215	10,40
287-307			185	215	10,50
315-327			185	215	10,70
345-371			185	215	10,80

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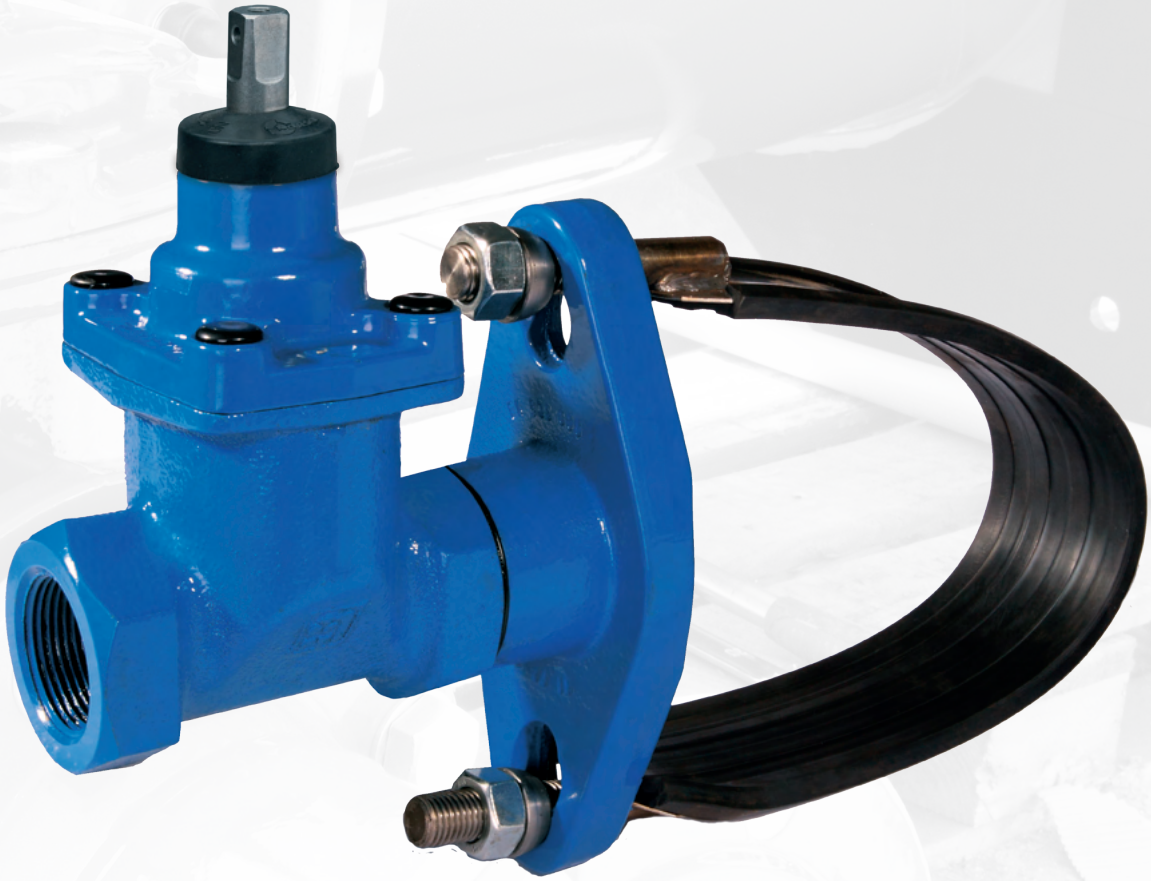
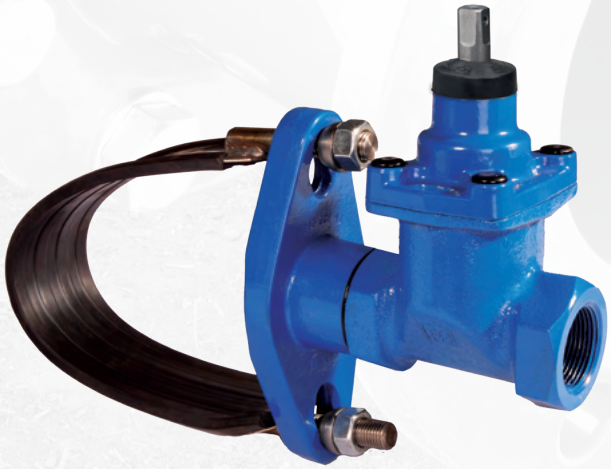
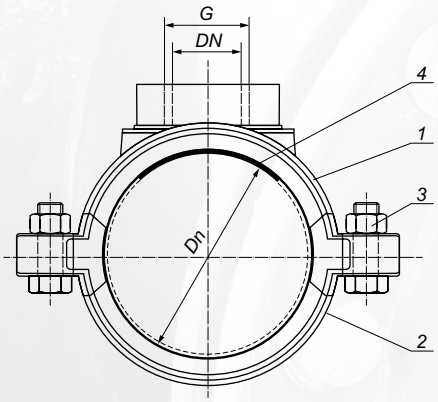
Spotting drill NZE (for cast iron, AC, steel pipes) ductile iron PN 10/16





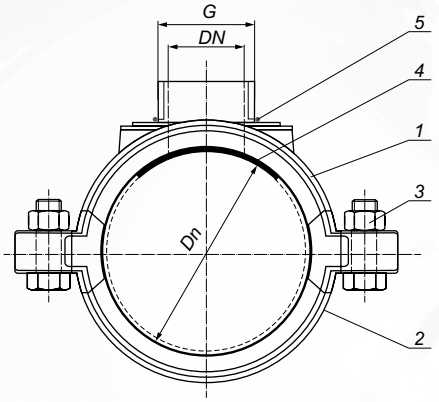
Clamping ring NOBW and NOBZ for PE and PVC pipes, ductile iron PN 10/16

NOBW
with internal thread



Dn	G	DN	Weight
63	3/4"	20	1,60
90			2,60
110			3,20
125			3,60
160			4,35
225			6,70
63	1"	25	1,55
90			2,55
110			3,15
125			3,55
160			4,30
225			6,65
63	5/4"	32	1,50
90			2,50
110			3,10
125			3,50
160			4,25
225			6,60
63	6/4"	40	1,45
90			2,45
110			3,05
125			3,45
160			4,20
225			6,55
90	2"	50	2,40
110			3,00
125			3,40
160			4,15
225			6,50

NOBZ
with external thread



Dn	G	DN	Weight
63	1"	25	1,35
90			2,35
110			2,90
125			3,30
160			4,65
225			6,40
63	5/4"	32	1,30
90			2,30
110			2,85
125			3,25
160			4,60
225			6,35
63	6/4"	40	1,25
90			2,25
110			2,80
125			3,20
160			4,55
225			6,30
90	2"	50	2,20
110			2,75
125			3,15
160			4,50
225			6,25

No.	Description	Pcs.	Material
1.	Upper saddle	1	EN-GJS-500-7
2.	Lower saddle	1	EN-GJS-500-7
3.	Screw, pad, nut	4	Galvanized steel 8.8 class/ Stainless steel A2/A4
4.*	Saddle gasket	1	EPDM/NBR
5.	O-ring	1	EPDM/NBR

It is used for connecting home installations to the water supply network made of PE and PVC pipes.

Material: ductile iron EN-GJS-500-7, PN-EN 1563:2018
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa, PN 10/16

** It is possible to make a clamp with full rubber lining.*

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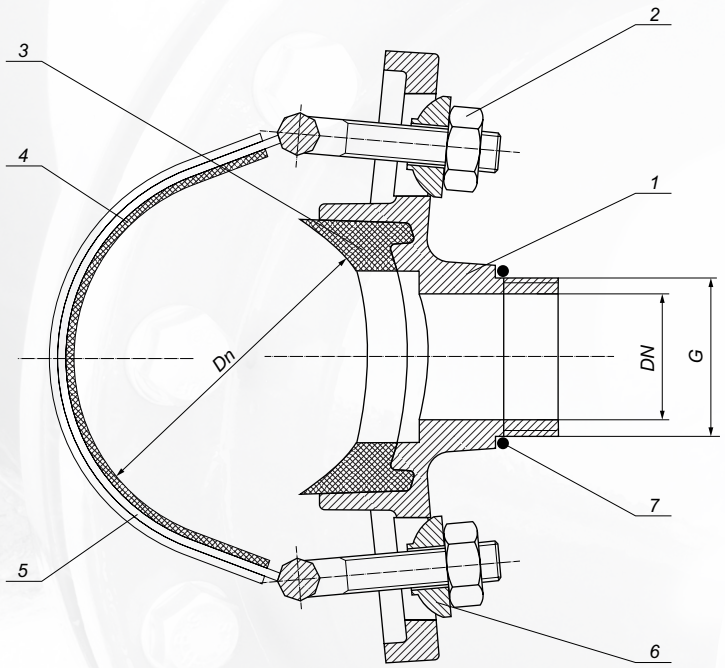
Clamping ring NOBW and NOBZ for PE and PVC pipes, ductile iron PN 10/16

NOBW with internal thread

NOBZ with external thread

Threaded saddle NE (for cast iron, AC, steel pipes) ductile iron PN 10/16



It is used to make home connections to the network water supply pipe made of: cast iron, AC, steel. The saddle is used for making connections with external threaded outlet.

Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa, PN 10/16

No.	Description	Pcs.	Material
1.	Upper saddle NZE	1	EN-GJS-500-7
2.	Nut	2	Stainless steel A4
3.	Saddle gasket	1	EPDM/NBR
4.	Saddle lining	1	EPDM/NBR
5.	Steel saddle	1	Stainless steel
6.	Ball pad	2	Stainless steel/HDPE
7.	O-ring	1	EPDM/NBR

Dn	G	DN	Weight
75-83	2”	50	1,70
89-104			1,90
107-130			1,90
124-144			1,90
148-160			2,10
159-178			2,10
179-200			2,60
219-238			2,80
248-275			3,40
287-307			3,50
315-327			3,70
345-371			3,60

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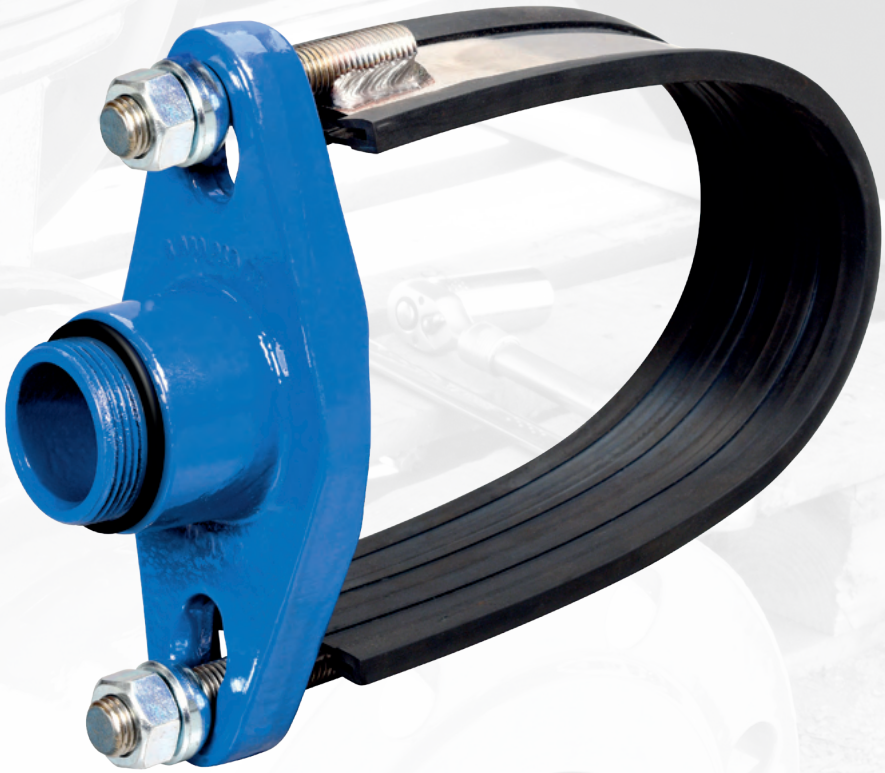
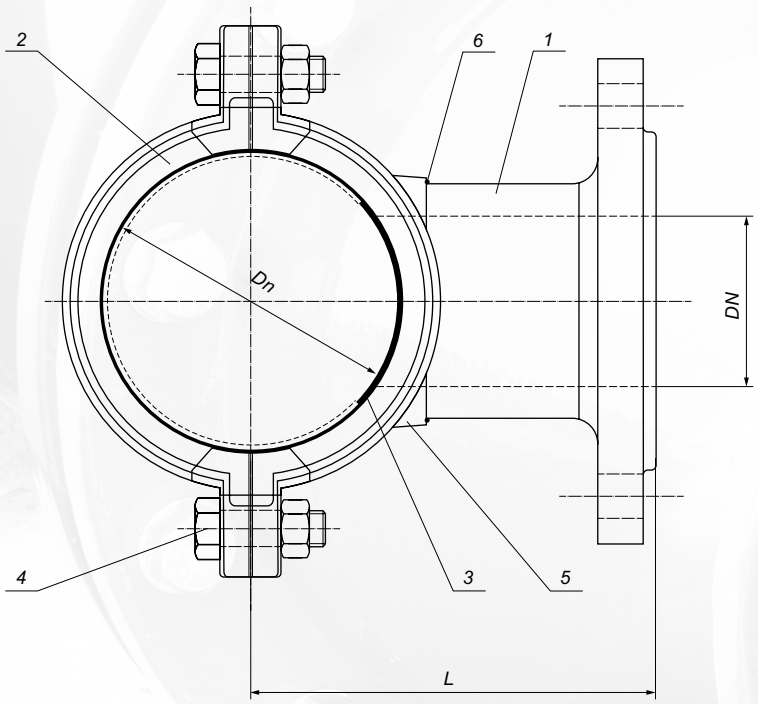
Threaded saddle NE (for cast iron, AC, steel pipes) ductile iron PN 10/16



Flanged saddle NKP for PE and PVC pipes ductile iron PN 10/16



It is used for connecting home installations to the water supply network made of PE and PVC pipes

Material: ductile iron EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa, PN 10/16

** It is possible to make a clamp with full rubber lining.*

No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Lower saddle	1	EN-GJS-500-7
3.*	Saddle gasket	1	EPDM/NBR
4.	Screw, pad, nut	4	Galvanized steel 8.8 class/ Stainless steel A2/A4
5.	Upper saddle	1	EN-GJS-500-7
6.	O-ring	1	EPDM/NBR

Dn	DN	L	Weight
90	50	120	4,40
110		125	4,95
125		140	5,35
160		150	6,70
225		185	8,45
110	80	160	8,50
160		190	12,70
160	100	200	13,00

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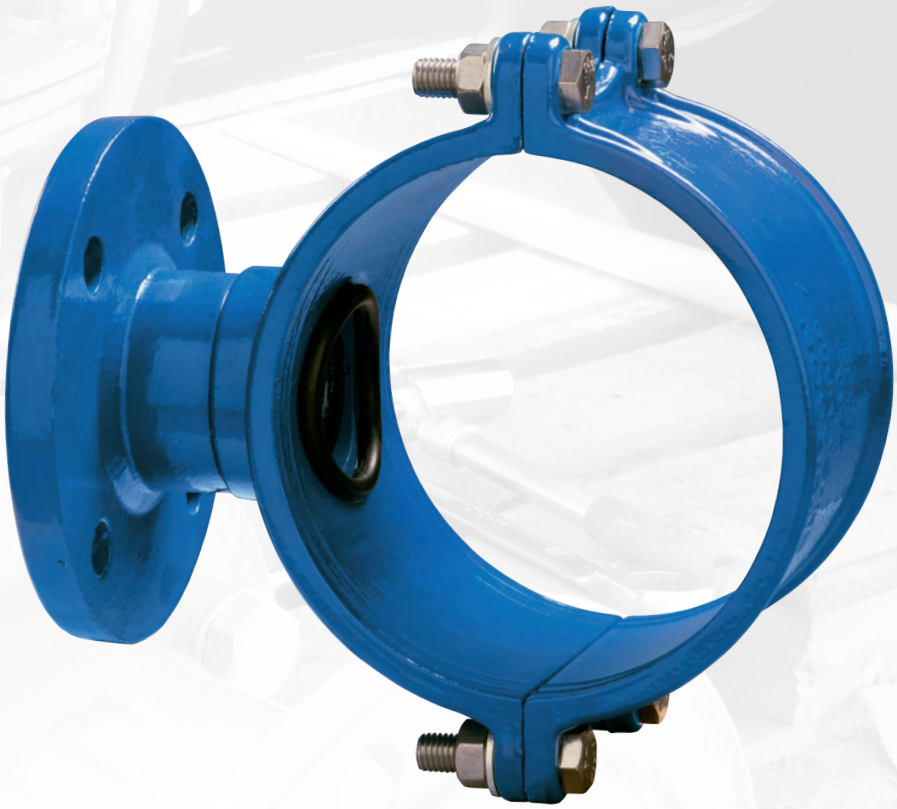
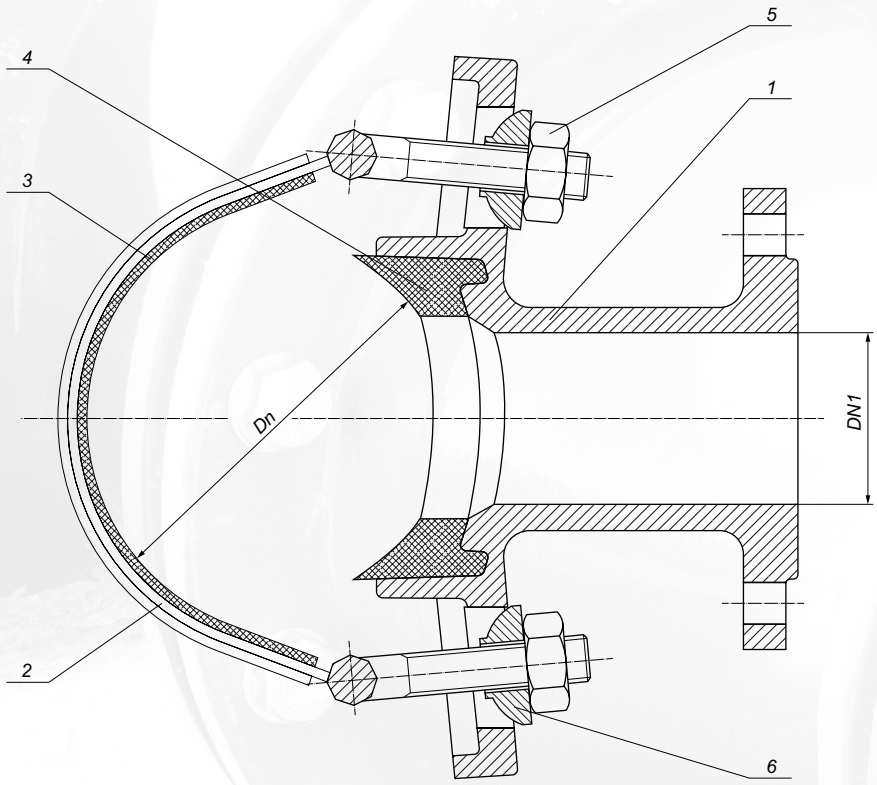
Flanged saddle NKP for PE and PVC pipes ductile iron PN 10/16



Flanged saddle NKE (for cast iron, AC, steel pipes) ductile iron PN 10/16



It is used for connecting home installations to the water supply pipelines made of cast iron, AC and steel pipes.

Material: ductile iron EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa, PN 10/16

No.	Description	Pcs.	Material
1.	Body	1	EN-GJS-500-7
2.	Steel saddle	1	Stainless steel
3.	Saddle lining	1	EPDM/NBR
4.	Saddle gasket	1	EPDM/NBR
5.	Nut	2	Galvanized steel 8.8 class/ stainless steel A4
6.	Ball pad	2	Stainless steel/HDPE

DN	Dn	DN1	Weight
65	75-83	50	4,50
80	89-104		4,70
100	107-130		4,70
125	124-144		4,70
125	148-160		4,90
150	159-178		4,90
175	179-200		5,40
200	219-238		5,60
250	248-275		6,20
250	287-307		6,30
300	315-327		6,50
300	345-373		6,60

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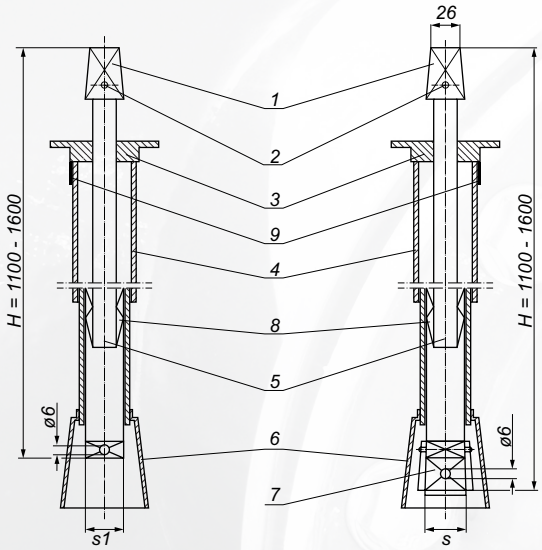
Flanged saddle NKE (for cast iron, AC, steel pipes) ductile iron PN 10/16

Telescopic spindle for valves and spotting drills

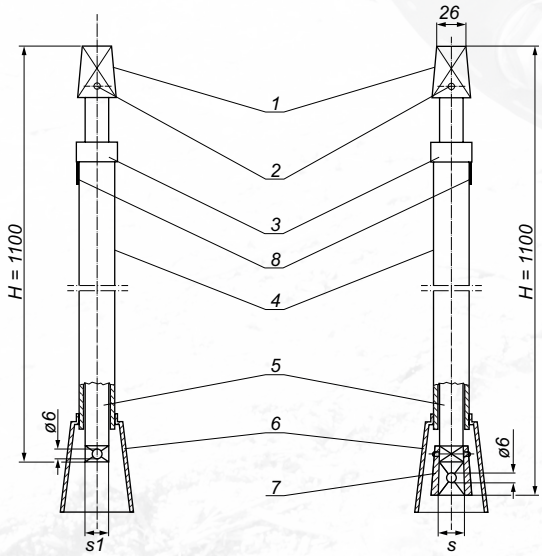


No.	Description	Material
1.	Upper cap	EN-GJL-250/EN-GJS-500-7
2.	Rivet	Steel
3.	Collar	HDPE
4.	Shield pipe	PE
5.	Telescopic rod	Steel/Galvanized steel
6.	Lower shield	HDPE
7.	Lower cap	EN-GJL-250/EN-GJS-500-7
8.	Locking clutch	St 2
9.	Spring pin	Steel A2/Galvanized steel

Valve size (DN)	s	Lenght [mm]	Weight
20/25/32	12	1100-1600	3,50
20/25/32/40/50	14		3,70
65/80	17		3,70
100/125/150	19		3,70
200	24		4,70
250/300	27		6,70
PE valve	52	600-1100	2,80
Description	**S1**	**Lenght [mm]**	**Weight**
Telescopic spindle for spotting drill NS	rod 14	1100-1600	3,20

The spindle's length can be built in according to the order.
Other dimensions „s" are according to the order.
Optionally can be made in galvanized version.

Fixed spindle for valves and spotting drills



No.	Description	Material
1.	Upper cap	EN-GJL-250/EN-GJS-500-7
2.	Rivet	Steel
3.	Collar	HDPE
4.	Shield pipe	PE
5.	Rod	Steel/Galvanized steel
6.	Lower shield	HDPE
7.	Lower cap	EN-GJL-250/EN-GJS-500-7
8.	Spring pin	Steel A2/Galvanized steel

Valve size (DN)	s	Lenght [mm]	Weight
20/25/32	12	1100	2,90
20/25/32/40/50	14		3,10
65/80	17		3,10
100/125/150	19		3,10
200	24		4,10
250/300	27		6,10
PE valve	52	600	2,40
Description	**S1**	**Lenght [mm]**	**Weight**
Fixed spindle for spotting drill NS	rod 14	1100	2,60

The spindle's length can be built in according to the order.
Other dimensions „s" are according to the order.
Optionally can be made in galvanized version.

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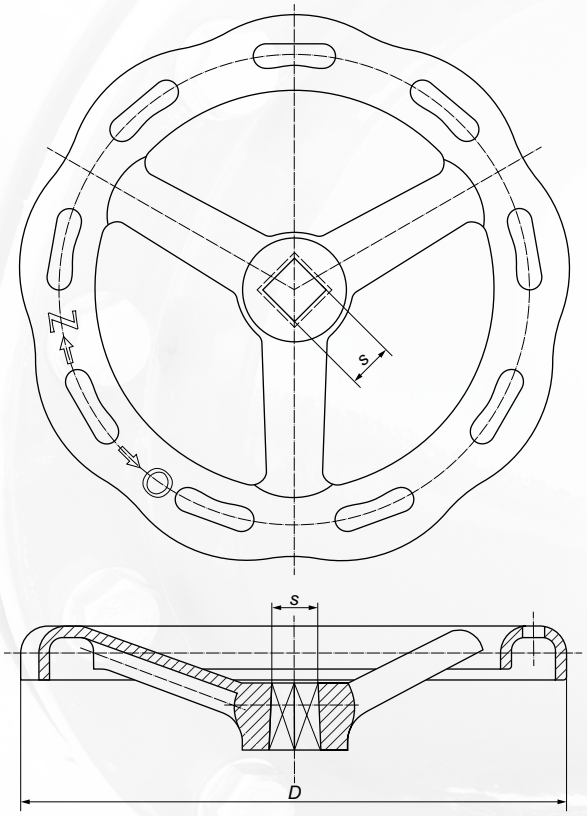
Spindles for valves and spotting drills

Handwheel



Handwheels are used to manually open and close the valves.

Valve size (DN)	D	s	Weight
20/25/32/40/50	160/180	14	0,30/0,90
65/80	200/220	17	0,30/0,90
100/125/150	250/280	19	0,70/2,10
200	320/400	24	1,10/2,20
250/300	250/500	27	2,20/3,20

Possibility of making wheels in other configurations of dimensions D/s.

Material:
- *aluminum AK11/steel*
- *grey iron EN-GJL-250, PN-EN 1561:2000*
- *ductile iron EN-GJS-500-7, PN-EN 1563:2018*

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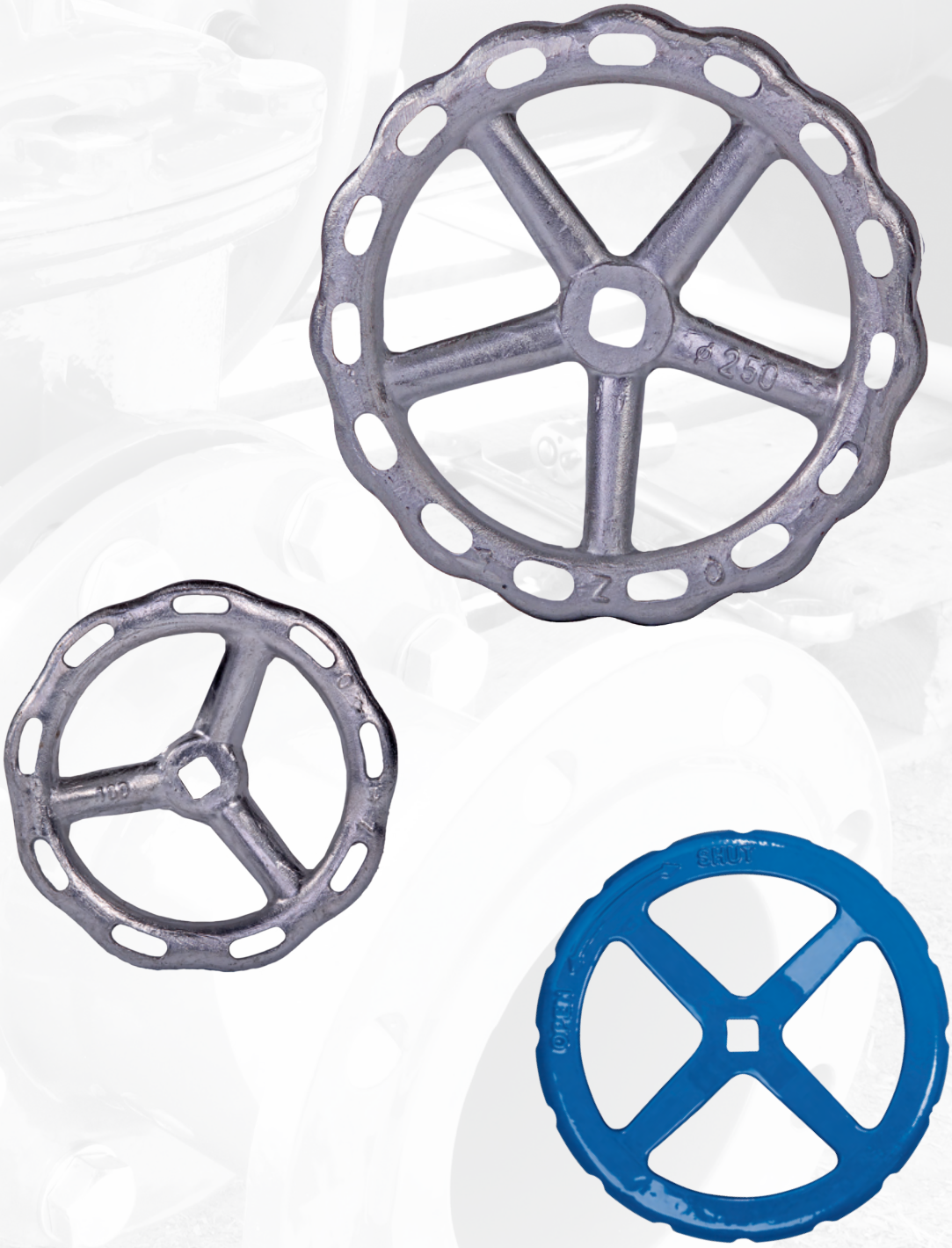
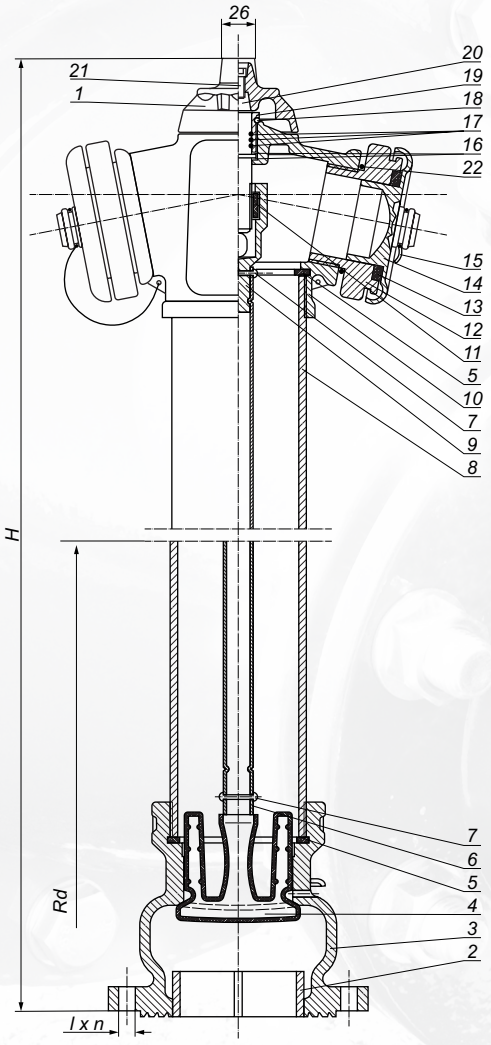

ø 250

Overground hydrant DN 80
PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	2	EPDM/NBR
6.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
7.	Rivet	2	Steel St 2/Steel C1006
8.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
9.	Nut casing	1	EN-GJS-500-7
10.	Head	1	EN-GJL-250/EN-GJS-500-7
11.	Nut	1	Brass MO59
12.	Storz coupling	2	Aluminum AK11
13.	Cover gasket	2	EPDM/NBR
14.	Cover	2	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
15.	Cord	1	Steel
16.	Bearing	2	Tarnamid
17.	O-ring	3	EPDM/NBR
18.	O-ring	1	EPDM/NBR
19.	Choke	1	Brass MO59
20.	Spindle	1	Stainless steel 2H13
21.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
22.	Gasket	2	EPDM/NBR



Overground hydrant with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber.
Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

DN	Size	H	Rd	l	n	Weight
80	A	1900	1250	18	8	33,00
	B	2150	1500	18	8	36,00
	C	2450	1800	18	8	40,00
	X	as per order				

Certificate of Conformity CNBOP 1438/CPR/0143
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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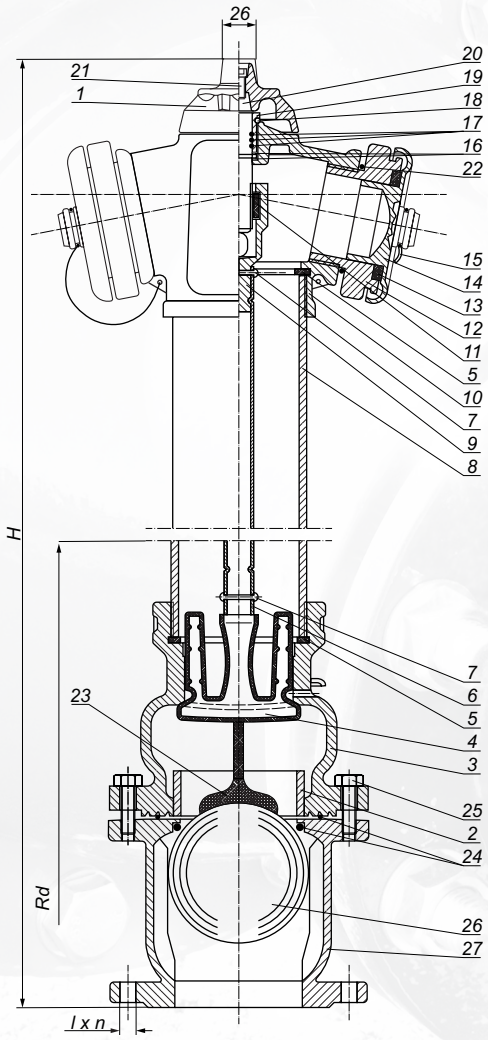
Overground hydrant DN 80 PN 10 and ductile iron PN 10/16

Overgound hydrant DN80 PN 10 and ductile iron PN10/16 double closure protected with a ball

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	2	EPDM/NBR
6.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
7.	Rivet	2	Steel St 2/Steel C1006
8.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
9.	Nut casing	1	EN-GJS-500-7
10.	Head	1	EN-GJL-250/EN-GJS-500-7
11.	Nut	1	Brass MO59
12.	Storz coupling	2	Aluminum AK11
13.	Cover gasket	2	EPDM/NBR
14.	Cover	2	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
15.	Cord	1	Steel
16.	Bearing	2	Tarnamid
17.	O-ring	3	EPDM/NBR
18.	O-ring	1	EPDM/NBR
19.	Choke	1	Brass MO59
20.	Spindle	1	Stainless steel 2H13
21.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
22.	Storz coupling gasket	2	EPDM/NBR
23.	Ball pusher	1	Stainless steel 2H13
24.	O-ring	2	EPDM/NBR
25.	Screw and pad	4	Galvanized steel 8.8 class/ Stainless steel A2
26.	Ball	1	EPDM/NBR
27.	Ball chamber	1	EN-GJS-500-7



Overground hydrant double protected with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

DN	Size	H	Rd	l	n	Weight
80	A	1900	1250	18	8	39,00
	B	2150	1500	18	8	42,00
	C	2450	1800	18	8	46,00
	X	as per order				

Certificate of Conformity CNBOP 1438/CPR/0143
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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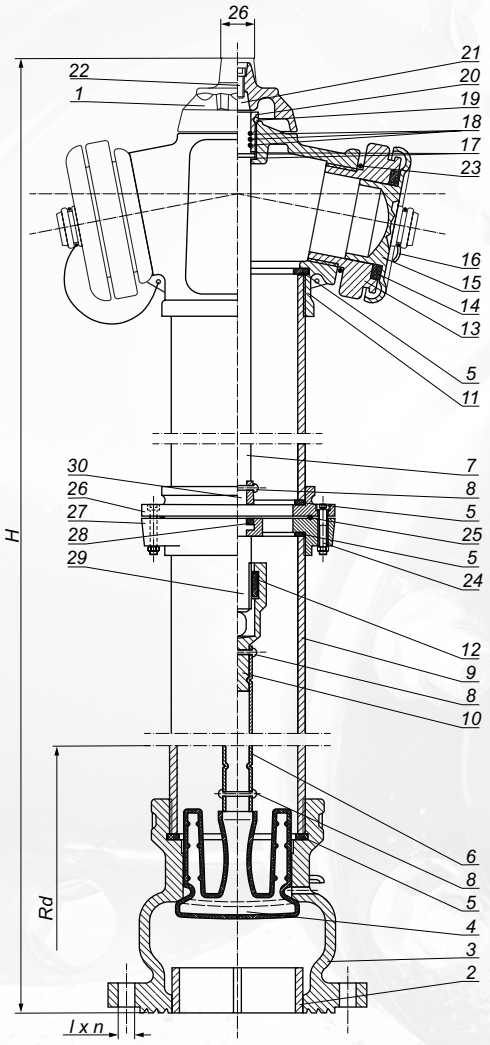
Overgound hydrant DN80 PN 10 and ductile iron PN10/16 double closure protected with a ball

Overground hydrant breakable DN 80 PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	4	EPDM/NBR
6.	Sliding spindle down	1	Stainless steel A2/1.4301 Steel P235
7.	Sliding spindle up	1	Stainless steel 2H13
8.	Rivet	3	Steel St 2/Steel C1006
9.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
10.	Nut casing	1	EN-GJS-500-7
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Nut	1	Brass MO59
13.	Storz coupling	2	Aluminum AK11
14.	Cap gasket	2	EPDM/NBR
15.	Cap	2	EN-GJL-250/EN-GJS-500-7/AK11/ Polyethylene
16.	Cord	1	Steel
17.	Bearing	2	Tarnamid
18.	O-ring	3	EPDM/NBR
19.	O-ring	1	EPDM/NBR
20.	Choke	1	Brass MO59
21.	Spindle	1	Stainless steel 2H13
22.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
23.	Storz coupling gasket	2	EPDM/NBR
24.	Screw, pad, nut	4	Stainless steel A2/A4
25.	O-ring	1	EPDM/NBR
26.	Upper flange	1	EN-GJS-500-7
27.	Lower flange	1	EN-GJS-500-7
28.	Middle spindle nut	1	Brass MO59
29.	Middle spindle	1	Stainless steel 2H13
30.	Clutch	1	EN-GJL-250/EN-GJS-500-7



Overground hydrant breakable with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber.
Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

Certificate of Conformity CNBOP 1438/CPR/0478
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Possibility of exchanging head of the hydrant once broken without the need digging out lower part of the hydrant.

DN	Wielkość	H	Rd	l	n	Weight
80	A	1900	1250	18	8	37,00
	B	2150	1500	18	8	40,00
	C	2450	1800	18	8	44,00
	X	as per order				

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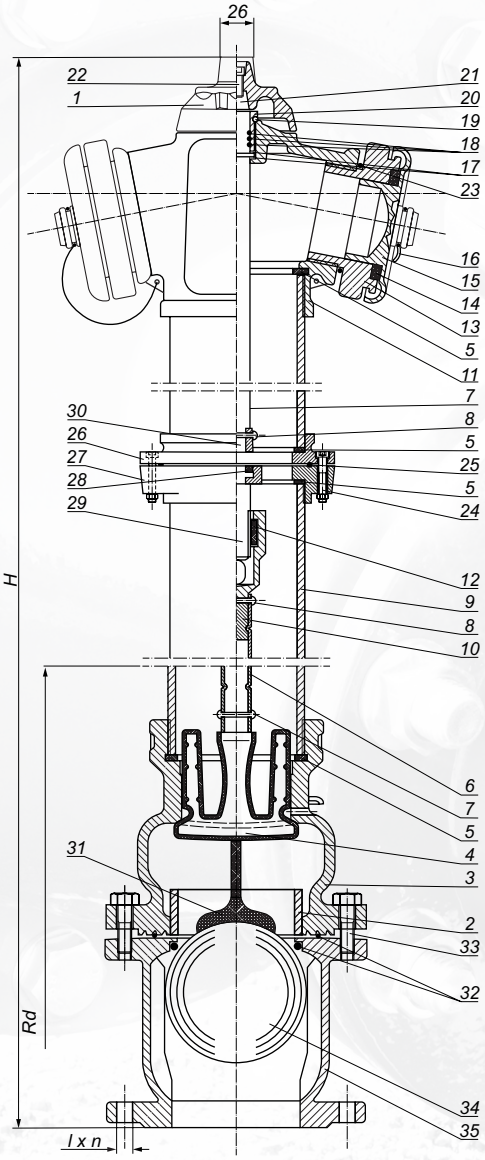
Overground hydrant breakable DN 80 PN 10 and ductile iron PN 10/16

Overground hydrant DN 80 PN10 and ductile iron PN10/16 double closure protected with a ball - breakable

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	4	EPDM/NBR
6.	Sliding spindle down	1	Stainless steel A2/1.4301 Steel P235
7.	Sliding spindle up	1	Stainless steel 2H13
8.	Rivet	3	Steel St 2/Steel C1006
9.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
10.	Nut casing	1	EN-GJS-500-7
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Nut	1	Brass MO59
13.	Storz coupling	2	Aluminum AK11
14.	Cover gasket	2	EPDM/NBR
15.	Cover	2	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
16.	Cord	1	Steel
17.	Bearing	2	Tarnamid
18.	O-ring	3	EPDM/NBR
19.	O-ring	1	EPDM/NBR
20.	Choke	1	Brass MO59
21.	Spindle	1	Stainless steel 2H13
22.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
23.	Storz coupling gasket	2	EPDM/NBR
24.	Screw, pad, nut	4	Stainless steel A2/A4
25.	O-ring	1	EPDM/NBR
26.	Upper flange	1	EN-GJS-500-7
27.	Lower flange	1	EN-GJS-500-7
28.	Middle spindle nut	1	Stainless steel 2H13/Brass MO59
29.	Middle spindle	1	Stainless steel 2H13
30.	Clutch	1	EN-GJL-250/EN-GJS-500-7
31.	Ball pusher	1	Stainless steel 2H13
32.	O-ring	2	EPDM/NBR
33.	Screw, pad	4	Galvanized steel 8.8 class/ Stainless steel A2
34.	Ball	1	EPDM/NBR
35.	Ball chamber	1	EN-GJS-500-7



Overground hydrant - double protected; breakable with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

Certificate of Conformity CNBOP 1438/CPR/0478
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Possibility of exchanging head of the hydrant once broken without the need digging out lower part of the hydrant.

DN	Size	H	Rd	l	n	Weight
80	A	1900	1250	18	8	43,00
	B	2150	1500	18	8	46,00
	C	2450	1800	18	8	50,00
	X	as per order				

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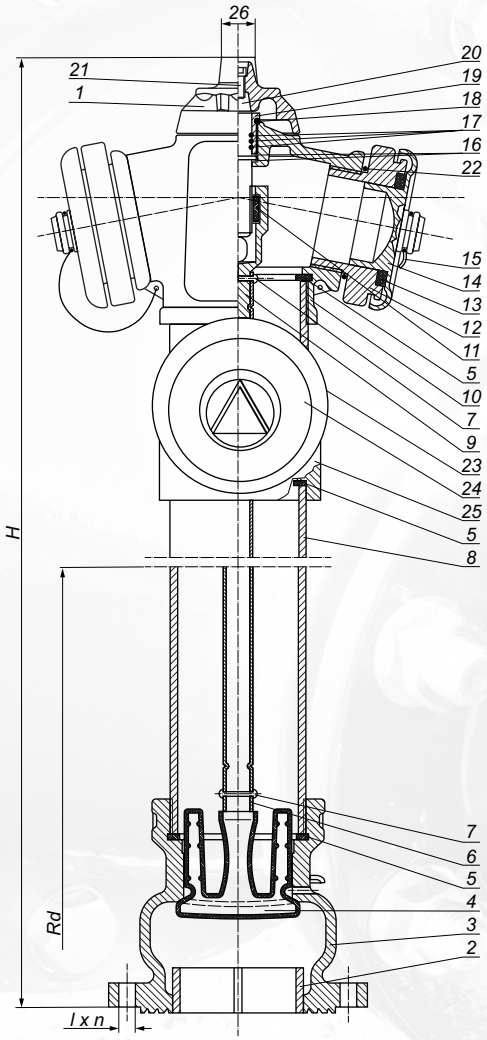
Overground hydrant DN 80 PN10 and ductile iron PN10/16 double closure protected with a ball - breakable

Overground hydrant DN 100
PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	3	EPDM/NBR
6.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
7.	Rivet	2	Steel St 2/Steel C1006
8.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
9.	Nut casing	1	EN-GJS-500-7
10.	Head	1	EN-GJL-250/EN-GJS-500-7
11.	Nut	1	Brass MO59
12.	Cap	2	Aluminium AK11
13.	Cover gasket	2	EPDM/NBR
14.	Cover	2	EN-GJL-250/EN-GJS-500-7 AK11/Polyethylene
15.	Cord	1	Steel
16.	Bearing	2	Tarnamid
17.	O-ring	3	EPDM/NBR
18.	O-ring	1	EPDM/NBR
19.	Choke	1	Brass MO59
20.	Spindle	1	Stainless steel 2H13
21.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
22.	Cap gasket	2	EPDM/NBR
23.	Cap DN 100	1	Aluminium AK11
24.	Cap cover DN 100	1	EN-GJL-250/EN-GJS-500-7 AK11/Polyethylene
25.	Reducer	1	EN-GJS-500-7



Overground hydrant with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber.
Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

DN	Size	H	Rd	l	n	Weight
100	A	1900	1250	18	8	39,00
	B	2150	1500	18	8	42,00
	C	2450	1800	18	8	46,00
	X	as per order				

Certificate of conformity CNBOP 1438/CPR/0521
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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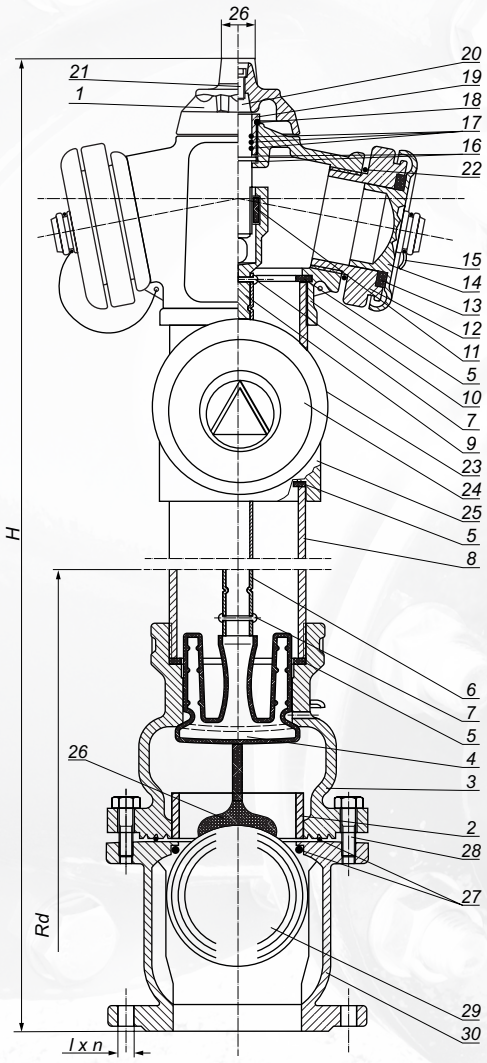
Overground hydrant DN 100 PN 10 and ductile iron PN 10/16

Overgound hydrant DN100 PN 10 and SFERO PN10/16 double closure protected with a ball

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	3	EPDM/NBR
6.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
7.	Rivet	2	Steel St 2/Steel C1006
8.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
9.	Nut casing	1	EN-GJS-500-7
10.	Head	1	EN-GJL-250/EN-GJS-500-7
11.	Nut	1	Brass MO59
12.	Storz coupling	2	Aluminum AK11
13.	Cover gasket	2	EPDM/NBR
14.	Cover	2	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
15.	Cord	1	Steel
16.	Bearing	2	Tarnamid
17.	O-ring	3	EPDM/NBR
18.	O-ring	1	EPDM/NBR
19.	Choke	1	Brass MO59
20.	Spindle	1	Stainless steel 2H13
21.	Allen screw	1	Galvanized steel 8.8 class Stainless steel A2
22.	Storz coupling gasket	2	EPDM/NBR
23.	Storz coupling DN 100	1	Aluminum AK11
24.	Storz coupling cover DN 100	1	EN-GJL-250/EN-GJS-500-7 AK11/Polyethylene
25.	Reducer	1	EN-GJS-500-7
26.	Ball pusher	1	Stainless steel 2H13
27.	O-ring	2	EPDM/NBR
28.	Screw, pad	4	Galvanized steel 8.8 class Stainless steel A2
29.	Ball	1	EPDM/NBR
30.	Ball chamber	1	EN-GJS-500-7



Overground hydrant double protected with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

DN	Size	H	Rd	l	n	Weight
100	A	1900	1250	18	8	47,00
	B	2150	1500	18	8	50,00
	C	2450	1800	18	8	54,00
	X	as per order				

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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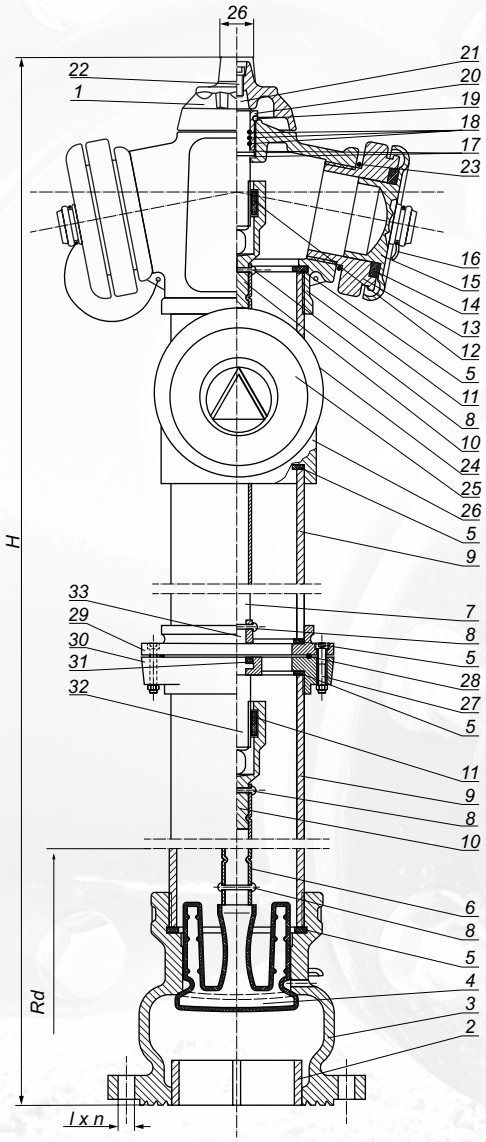
Overgound hydrant DN100 PN 10 and SFERO PN10/16 double closure protected with a ball

Overground hydrant breakable DN 100 PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	3	EPDM/NBR
6.	Sliding spindle down	1	Stainless steel A2/1.4301 Steel P235
7.	Sliding spindle up	1	Stainless steel 2H13
8.	Rivet	2	Steel St 2/Steel C1006
9.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
10.	Nut casing	1	EN-GJS-500-7
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Nut	1	Brass MO59
13.	Storz coupling	2	Aluminum AK11
14.	Cover gasket	2	EPDM/NBR
15.	Cover	2	EN-GJL-250/EN-GJS-500-7 AK11/Polyethylene
16.	Cord	1	Steel
17.	Bearing	2	Tarnamid
18.	O-ring	3	EPDM/NBR
19.	O-ring	1	EPDM/NBR
20.	Choke	1	Brass MO59
21.	Spindle	1	Stainless steel 2H13
22.	Allen screw	1	Galvanized steel 8.8 class Stainless steel A2
23.	Storz coupling gasket	2	EPDM/NBR
24.	Storz coupling DN 100	1	Aluminum AK11
25.	Storz coupling cover DN 100	1	EN-GJL-250/EN-GJS-500-7 AK11/Polyethylene
26.	Reducer	1	EN-GJS-500-7
27.	Screw, pad, nut	4	Galvanized steel 8.8 class Stainless steel A2
28.	O-ring	1	EPDM/NBR
29.	Upper flange	1	EN-GJS-500-7
30.	Lower flange	1	EN-GJS-500-7
31.	Middle spindle nut	1	Stainless steel 2H13 Brass MO59
32.	Middle spindle	1	Stainless steel 2H13
33.	Clutch	1	EN-GJL-250/EN-GJS-500-7



Overground hydrant breakable with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber.
Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

Certificate of Conformity CNBOP 1438/CPR/0522

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Possibility of exchanging head of the hydrant once broken without the need digging out lower part of the hydrant.

DN	Size	H	Rd	l	n	Weight
100	A	1900	1250	18	8	43,00
	B	2150	1500	18	8	46,00
	C	2450	1800	18	8	50,00
	X	as per order				

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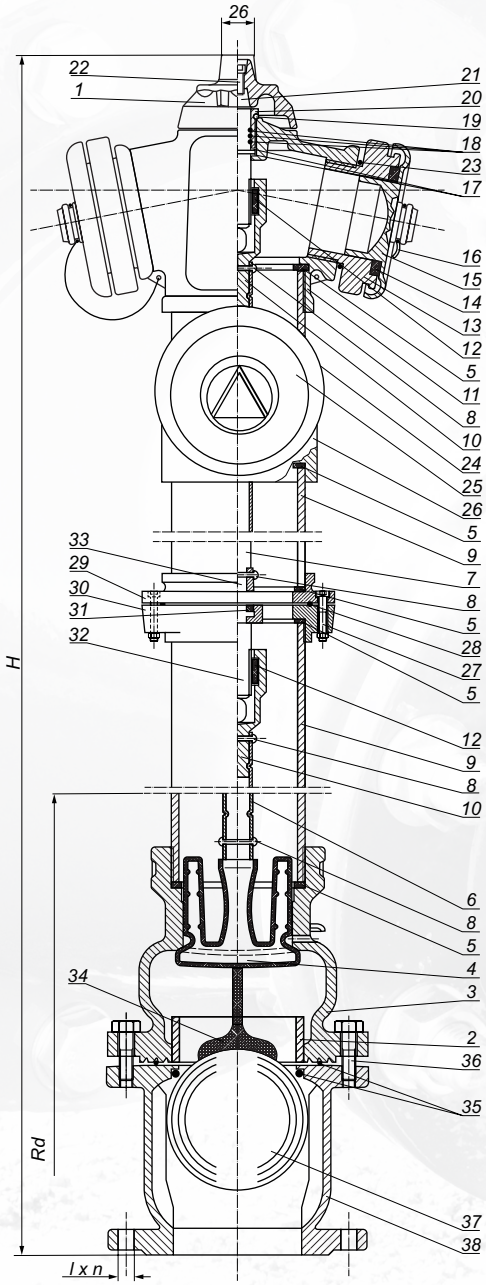
Overground hydrant breakable DN 100 PN 10 and ductile iron PN 10/16

Overground hydrant DN 100 PN10 and ductile iron PN10/16 double closure protected with a ball - breakable

No.	Description	Pcs.	Material
1.	Knob	1	EN-GJL-250/EN-GJS-500-7
2.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
3.	Chamber	1	EN-GJL-250/EN-GJS-500-7
4.	Piston	1	EN-GJS-500-7/EPDM/NBR
5.	Gasket	3	EPDM/NBR
6.	Sliding spindle down	1	Stainless steel A2/1.4301 Steel P235
7.	Sliding spindle up	1	Stainless steel 2H13
8.	Rivet	2	Steel St 2/Steel C1006
9.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
10.	Nut casing	1	EN-GJS-500-7
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Nut	1	Brass MO59
13.	Storz coupling	2	Aluminum AK11
14.	Cover gasket	2	EPDM/NBR
15.	Cover	2	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
16.	Cord	1	Steel
17.	Bearing	2	Tarnamid
18.	O-ring	3	EPDM/NBR
19.	O-ring	1	EPDM/NBR
20.	Choke	1	Brass MO59
21.	Spindle	1	Stainless steel 2H13
22.	Allen screw	1	Galvanized steel 8.8 class/ Stainless steel A2
23.	Storz coupling gasket	2	EPDM/NBR
24.	Storz coupling DN 100	1	Aluminum AK11
25.	Storz coupling cover DN 100	1	EN-GJL-250/EN-GJS-500-7/ AK11/Polyethylene
26.	Reducer	1	EN-GJS-500-7
27.	Screw, pad, nut	4	Galvanized steel 8.8 class/ Stainless steel A2
28.	O-ring	1	EPDM/NBR
29.	Upper flange	1	EN-GJS-500-7
30.	Lower flange	1	EN-GJS-500-7
31.	Middle spindle nut	1	Stainless steel 2H13 Brass MO59
32.	Middle spindle	1	Stainless steel 2H13
33.	Clutch	1	EN-GJL-250/EN-GJS-500-7
34.	Ball pusher	1	Stainless steel 2H13
35.	O-ring	2	EPDM/NBR
36.	Screw, pad	4	Galvanized steel 8.8 class/ Stainless steel A2
37.	Ball	1	EPDM/NBR
38.	Ball chamber	1	EN-GJS-500-7

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Possibility of exchanging head of the hydrant once broken without the need digging out lower part of the hydrant.



Overground hydrant - double protected; breakable with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

DN	Size	H	Rd	l	n	Weight
100	A	1900	1250	18	8	51,00
	B	2150	1500	18	8	54,00
	C	2450	1800	18	8	58,00
	X	as per order				

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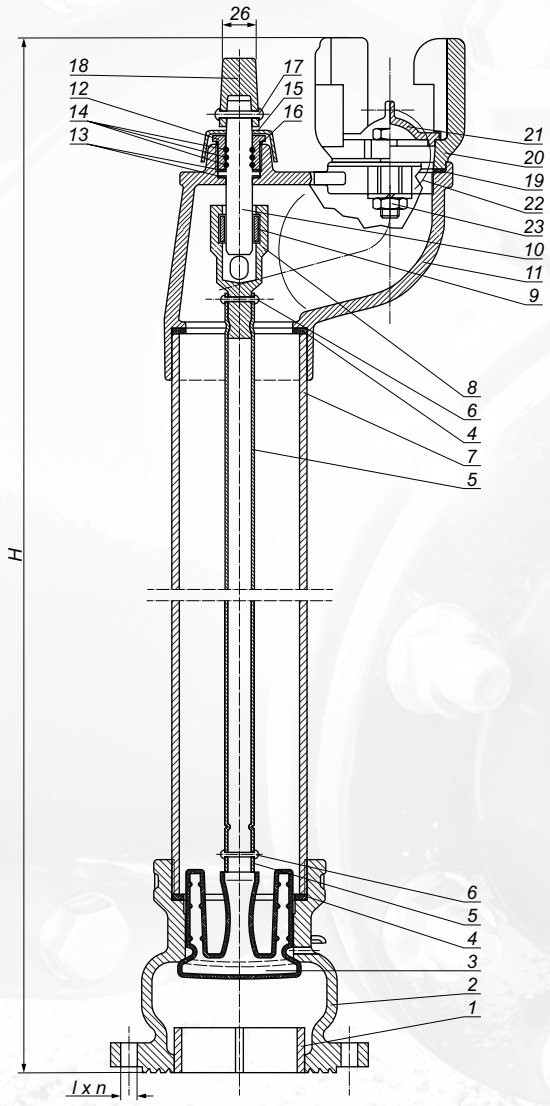
Overground hydrant DN 100 PN10 and ductile iron PN10/16 double closure protected with a ball - breakable

Underground hydrant DN 80
PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
2.	Chamber	1	EN-GJL-250/EN-GJS-500-7
3.	Piston	1	EN-GJS-500-7/EPDM/NBR
4.	Gasket	2	EPDM/NBR
5.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
6.	Rivet	2	Steel St 2/Steel C1006
7.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
8.	Nut casing	1	EN-GJS-500-7
9.	Nut	1	Brass MO59
10.	Spindle	1	Stainless steel 2H13
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Choke	1	Brass MO59
13.	Bearing	2	Tarnamid
14.	O-ring	3	EPDM/NBR
15.	Protection ring	1	EPDM/NBR
16.	O-ring	1	EPDM/NBR
17.	Rivet	1	Steel St 2
18.	Knob	1	EN-GJL-250/EN-GJS-500-7
19.	Gasket	1	EPDM/NBR
20.	Hook	1	EN-GJS-500-7
21.	Protection cap	1	EPDM/NBR
22.	Cord	1	Steel
23.	Screw, pad, nut	2	Galvanized steel 8.8 class/ Stainless steel A2



Underground hydrant with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber.
Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

DN	Size	H	Rd	l	n	Weight
80	A	750	1000	18	8	24,00
	B	1000	1250	18	8	27,00
	C	1250	1500	18	8	30,00
	X	as per order				

Certificate of Conformity CNBOP 1438/CPR/0144

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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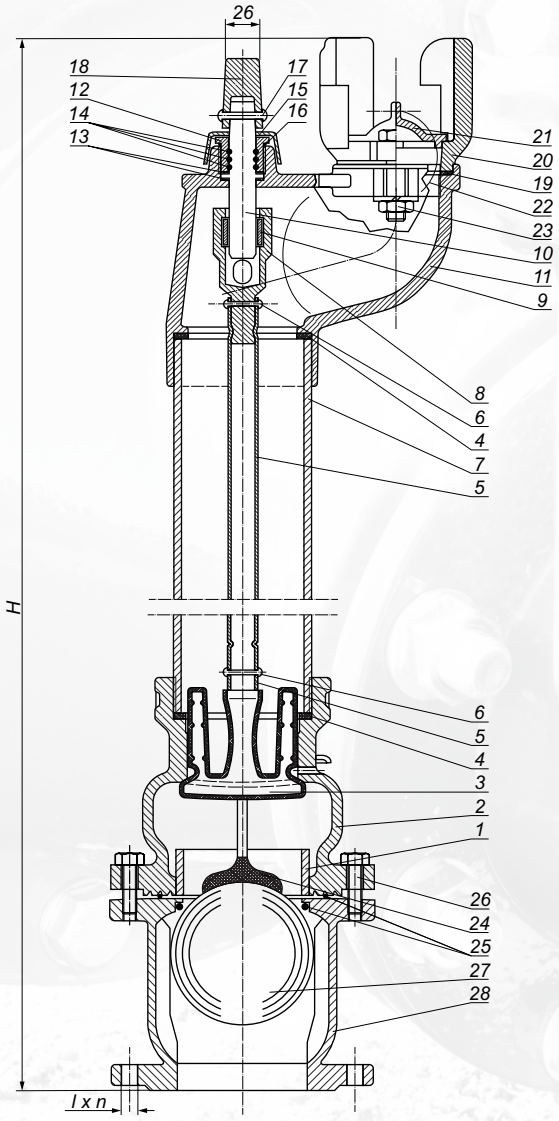
Underground hydrant DN 80 PN 10 and ductile iron PN 10/16

Undergound hydrant DN80 PN 10 and ductile iron PN10/16 double closure protected with a ball

No.	Description	Pcs.	Material
1.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
2.	Chamber	1	EN-GJL-250/EN-GJS-500-7
3.	Piston	1	EN-GJS-500-7/EPDM/NBR
4.	Gasket	2	EPDM/NBR
5.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
6.	Rivet	2	Steel St 2/Steel C1006
7.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
8.	Nut casing	1	EN-GJS-500-7
9.	Nut	1	Brass MO59
10.	Spindle	1	Stainless steel 2H13
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Choke	1	Brass MO59
13.	Bearing	2	Tarnamid, steel
14.	O-ring	3	EPDM/NBR
15.	Protection ring	1	EPDM/NBR
16.	O-ring	1	EPDM/NBR
17.	Rivet	1	Steel St 2
18.	Knob	1	EN-GJL-250/EN-GJS-500-7
19.	Gasket	1	EPDM/NBR
20.	Hook	1	EN-GJS-500-7
21.	Protection cap	1	EPDM/NBR
22.	Cord	1	Steel
23.	Screw, pad, nut	2	Galvanized steel 8.8 class/ Stainless steel A2/A4
24.	Ball pusher	1	Stainless steel 2H13
25.	O-ring	2	EPDM/NBR
26.	Screw, pad	4	Galvanized steel 8.8 class/ Stainless steel A2
27.	Ball	1	EPDM/NBR
28.	Ball chamber	1	EN-GJS-500-7



Underground hydrant double protected with a nominal diameter of 80 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 80 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

DN	Size	H	Rd	l	n	Weight
80	A	750	1000	18	8	30,00
	B	1000	1250	18	8	33,00
	C	1250	1500	18	8	36,00
	X	as per order				

Certificate of Conformity CNBOP 1438/CPR/0144

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

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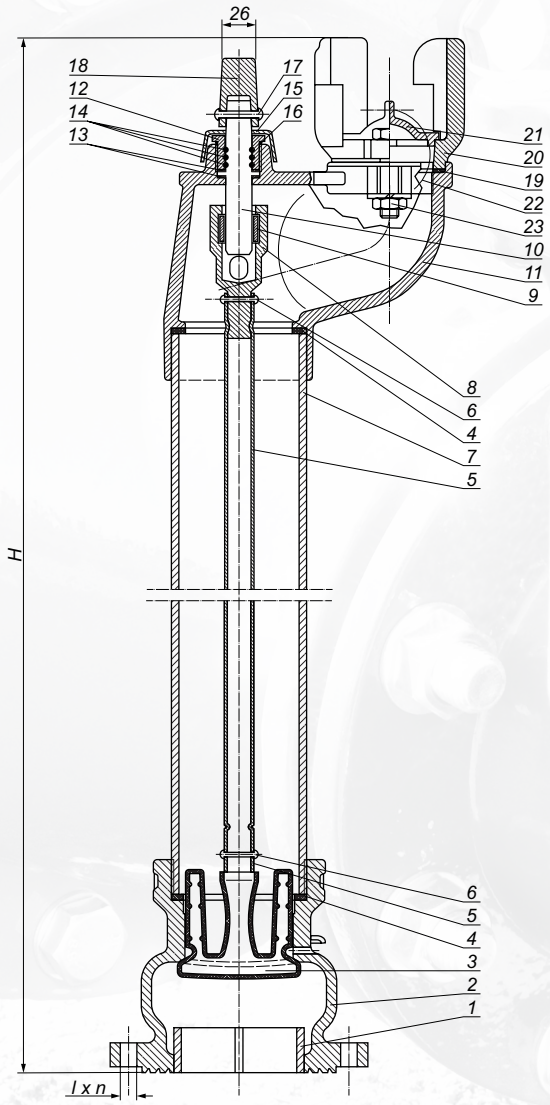
Undergound hydrant DN80 PN 10 and ductile iron PN10/16 double closure protected with a ball

Underground hydrant DN 100
PN 10 and ductile iron PN 10/16

No.	Description	Pcs.	Material
1.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
2.	Chamber	1	EN-GJL-250/EN-GJS-500-7
3.	Piston	1	EN-GJS-500-7/EPDM/NBR
4.	Gasket	2	EPDM/NBR
5.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
6.	Rivet	2	Steel St 2/Steel C1006
7.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
8.	Nut casing	1	EN-GJS-500-7
9.	Nut	1	Brass MO59
10.	Spindle	1	Stainless steel 2H13
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Choke	1	Brass MO59
13.	Bearing	2	Tarnamid
14.	O-ring	3	EPDM/NBR
15.	Protection ring	1	EPDM/NBR
16.	O-ring	1	EPDM/NBR
17.	Rivet	1	Steel St 2
18.	Knob	1	EN-GJL-250/EN-GJS-500-7
19.	Gasket	1	EPDM/NBR
20.	Hook	1	EN-GJS-500-7
21.	Protection cap	1	EPDM/NBR
22.	Cord	1	Steel
23.	Screw, pad, nut	2	Galvanized steel 8.8 class/ Stainless steel A2/A4



Underground hydrant with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa.

Certificate of Conformity CNBOP 1438/CPR/0595
Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Construction of a DN100 Norson's hydrant allows its installation with a standard hydrant box DN80 (fig.4055)

DN	Size	H	Rd	l	n	Weight
100	A	750	1000	18	8	31,00
	B	1000	1250	18	8	34,00
	C	1250	1500	18	8	37,00
	X	as per order				

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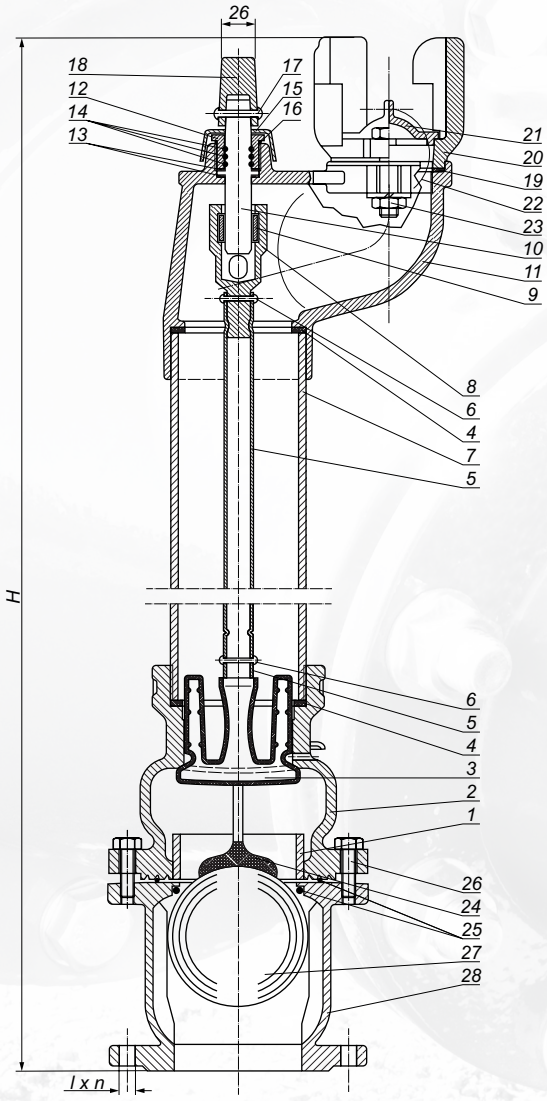
Underground hydrant DN 100 PN 10 and ductile iron PN 10/16

Undergound hydrant DN100 PN 10 and ductile iron PN10/16 double closure protected with a ball

No.	Description	Pcs.	Material
1.	Safety ring	1	EN-GJL-250/EN-GJS-500-7
2.	Chamber	1	EN-GJL-250/EN-GJS-500-7
3.	Piston	1	EN-GJS-500-7/EPDM/NBR
4.	Gasket	2	EPDM/NBR
5.	Sliding spindle	1	Stainless steel A2/1.4301 Steel P235
6.	Rivet	2	Steel St 2/Steel C1006
7.	Column	1	Stainless steel A2/1.4301 Steel P235 EN-GJS-500-7
8.	Nut casing	1	EN-GJS-500-7
9.	Nut	1	Brass MO59
10.	Spindle	1	Stainless steel 2H13
11.	Head	1	EN-GJL-250/EN-GJS-500-7
12.	Choke	1	Brass MO59
13.	Bearing	2	Tarnamid, steel
14.	O-ring	3	EPDM/NBR
15.	Protection ring	1	EPDM/NBR
16.	O-ring	1	EPDM/NBR
17.	Rivet	1	Steel St 2
18.	Knob	1	EN-GJL-250/EN-GJS-500-7
19.	Gasket	1	EPDM/NBR
20.	Hook	1	EN-GJS-500-7
21.	Protection cap	1	EPDM/NBR
22.	Cord	1	Steel
23.	Screw, pad, nut	2	Galvanized steel 8.8 class/ Stainless steel A2/A4
24.	Ball pusher	1	Stainless steel 2H13
25.	O-ring	2	EPDM/NBR
26.	Screw, pad	4	Galvanized steel 8.8 class/ Stainless steel A2
27.	Ball	1	EPDM/NBR
28.	Ball chamber	1	EN-GJS-500-7



Underground hydrant with double protection with a nominal diameter of 100 mm for pressure 1,0 and 1,6 MPa with an automatic drainage device in the lower chamber. Intended for drawing water from a general-purpose pipeline with a nominal diameter of 100 mm, water at a temperature up to 70°C and a pressure of 1,0 and 1,6 MPa. Equipped with a ball protection.

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

Construction of a DN100 Norson's hydrant allows its installation with a standard hydrant box DN80 (fig.4055)

DN	Size	H	Rd	l	n	Weight
100	A	750	1000	18	8	39,00
	B	1000	1250	18	8	42,00
	C	1250	1500	18	8	45,00
	X	as per order				

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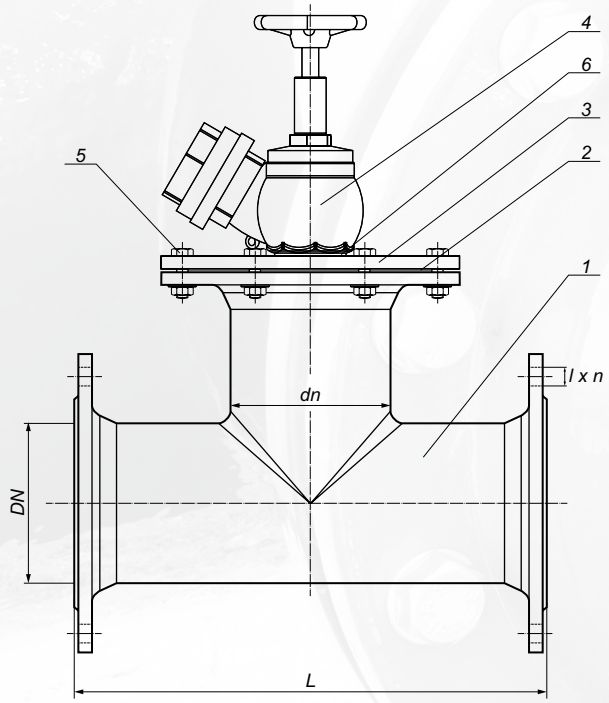
Undergound hydrant DN100 PN 10 and ductile iron PN10/16 double closure protected with a ball

Flanged cleaner TKH
PN 10 and ductile iron PN 10/16



Flange cleaner with an inspection valve enables pipeline inspection, cleaning and flushing water supply and sewage network.

DN	dn	L	l	n	Weight
50	50	300	18	4	11,50
65*	65	330	18	4	16,70
80	50	310	18	4(8)	20,40
	65*	330	18	4(8)	20,70
	80	330	18	4(8)	21,80
100	50	320	18	8	18,40
	65*	320	18	8	18,60
	80	360	18	8	19,00
	100	360	18	8	19,30
125*	80	400	18	8	23,10
	100	400	18	8	23,50
	120	400	18	8	23,90
150	50*	440	22	8	29,00
	65*	440	22	8	30,00
	80	440	22	8	30,50
	100	440	22	8	32,50
	125*	440	22	8	33,00
	150	440	22	8	34,00
200	80	520	22	8(12)	45,00
	100	520	22	8(12)	46,00
	150	520	22	8(12)	48,00
	200	520	22	8(12)	49,00
250*	80	700	22(26)	12	65,00
	100	700	22(26)	12	69,00
	150	700	22(26)	12	70,00
	200	700	22(26)	12	80,00
	250	700	22(26)	12	89,00
300*	80	800	22(26)	12	93,00
	100	800	22(26)	12	97,00
	150	800	22(26)	12	98,00
	200	800	22(26)	12	105,00
	250	800	22(26)	12	116,00
	300	800	22(26)	12	125,00

Coating: poliester paint UV resisted, min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

No.	Description	Material
1.	Body	EN-GJL-250/EN-GJS-500-7
2.	Gasket	EPDM/NBR
3.	Flange	EN-GJL-250/EN-GJS-500-7
4.	Valve DN 50	AK11
5.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2/A4
6.	Gasket/O-ring	EPDM/NBR

** Products available only in ductile iron version EN-GJS-500-7*

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Flanged cleaner TKH
PN 10 and ductile iron PN 10/16

Hydrant accessories

Standpipes for underground hydrants

No.	Description	Material	Index
1.	Standpipe DN 80	AK11-A1Si11	1-424 000 080 01
2.	Standpipe DN 100	AK11-A1Si11	1-424 000 100 01

They are used to collect water from underground hydrants.

Wrenches for hydrants and valves

No.	Description	Material	Index
3.	Overground hydrant wrench „K4”	St3S ocynk	1-424 000 000 02
4.	Fire hose wrench „K2”	St3S ocynk	1-424 000 000 03
5.	Storz coupling and valve wrench	St3S ocynk	1-424 000 000 04
6.	Overground hydrant cover wrench „K6”	St3S ocynk	1-424 000 000 06
7.	Storz coupling wrench „K3”	St3S ocynk	1-424 000 000 05
8.	Underground hydrant, gate valve wrench and manhole covers „T”	St 2/ EN-GJS-500-7	1-424 000 000 00

They are used for opening and closing overground and underground hydrants and gate valves.

Overground hydrant storz couplings

No.	Description	Material	Index
9.	Storz coupling (aluminum) 75, 100	AK11	1-422 000 000 00
10.	Storz coupling (plastic) 75	ABS	1-422 000 000 01

They are used to connect a fire hose.

Overground hydrant covers

No.	Description	Material	Index
11.	Cover for overground hydrant 75 DN80	EN-GJL-250	1-422 000 000 02
12.	Cover for overground hydrant 75 DN80	Polyethylene HDPE	1-422 000 000 03
13.	Cover for overground hydrant 75 DN80 fang	Plastic ABS	1-422 000 000 04
14.	Cover for overground hydrant 75 DN80 fang	Aluminum AK11	1-422 000 000 05
15.	Cover for overground hydrant 110 DN100 fang	Plastic ABS	1-422 000 100 04
16.	Cover for overground hydrant 110 DN100 fang	Aluminium AK11	1-422 000 100 05
17.	Cover for overground hydrant 110 DN100	Aluminium AK11	1-422 000 100 06

They are used to secure the overground hydrant outlets.

Hydrant drainage cover DN 80, DN 100 and DN 150

No.	Description	Material	Index
18.	Cover drainage/clamping bands	HDPE	1-419 100 080 00

It is used to prevent drainage and outwashing against the ground around hydrant.
Designed for all types of hydrants with a diameter DN 80, 100, 150.

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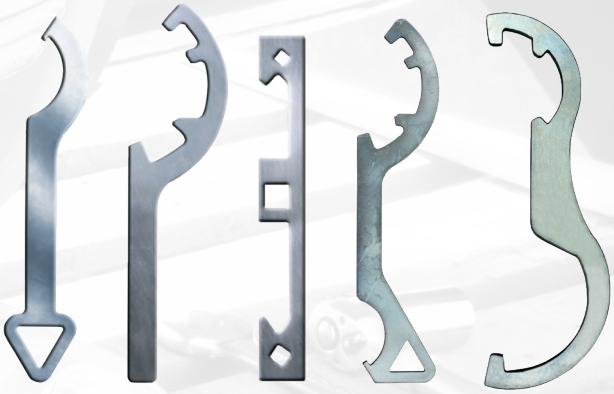
Hydrant accessories

Standpipe for underground hydrant

1.
2.

Overground hydrant wrench,
Fire hose wrench
Storz coupling wrench



3. 4. 5. 6. 7.

Wrench for valves, underground hydrants, manhole covers and grates

8.

Storz couplings

9.

10.

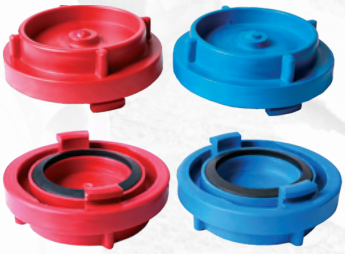
Covers for overground hydrants

11.

12.

Covers (fang)

13.
15.



Covers (aluminum)

14.
16.
17.

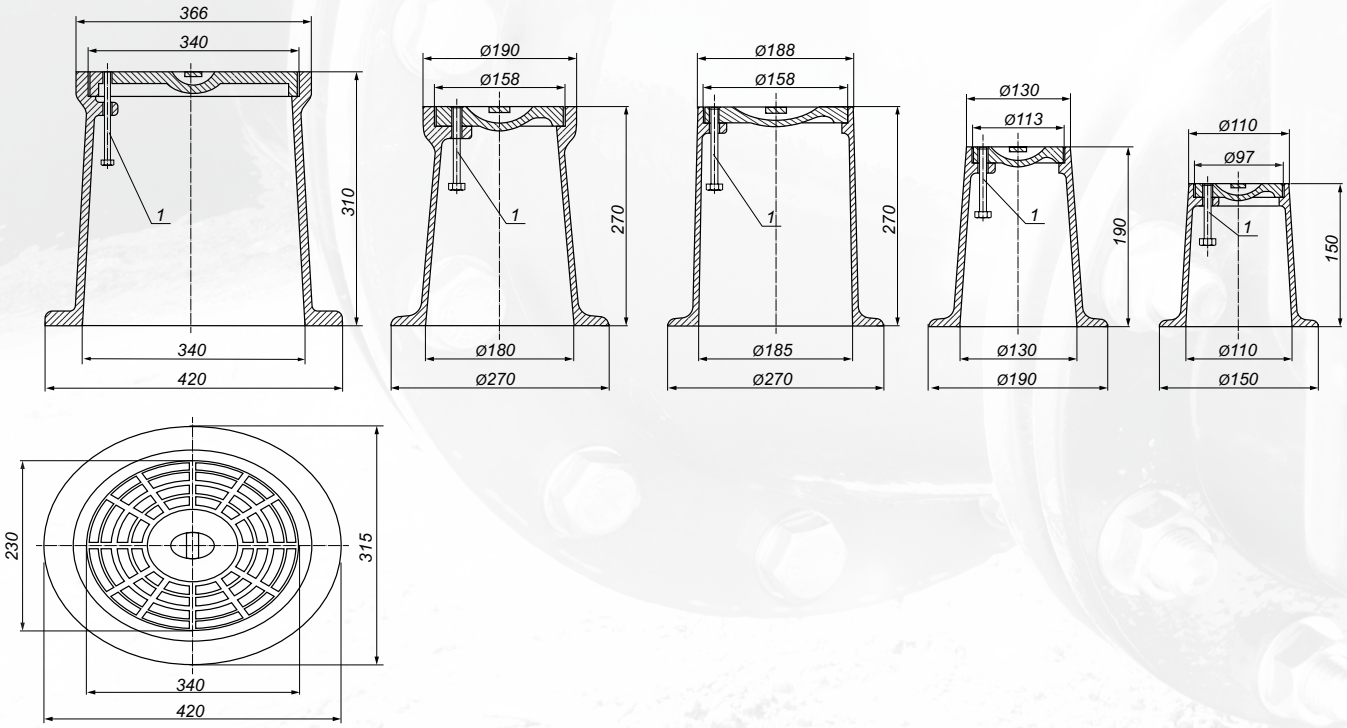
Hydrant drainage cover DN 80, DN 100 and DN150

18.

Street box

Material and marking of box covers

cast iron:	cast iron:	cast iron:	cast iron:	cast iron:
HYDRANT, GAZ	W, G, K, without marking	W, G, K, without marking	W	W, G, without marking
ductile iron:	ductile iron:	ductile iron:		
HYDRANT, GAZ	W, G, GAZ, GAS, without marking	W, G, GAZ, GAS, without marking		



Material:
body and cover - cast iron EN-GJL-250, PN-EN 1561:2012
available with cover made of ductile iron EN-GJS-500-7, PN-EN 1563:2018

Coating: bitumen black paint
** Cover available with a yellow lid.*

1) screw – galvanized steel 8.8/stainless steel A2

Street box for valves h-270 acc. to PN-M-74081:1998
Street box for hydrants h-310 acc. to PN-M-74082:1998

Description	Height	Weight
Street box for connector 80	150	3,00
Street box for valve 100	190	5,00
Street box for valve 270*	270	11,00
Street box for valve 270* fig. 4056	270	13,00
Street box for hydrant DN80 and DN100 „NORSON" fig. 4055*	310	32,00

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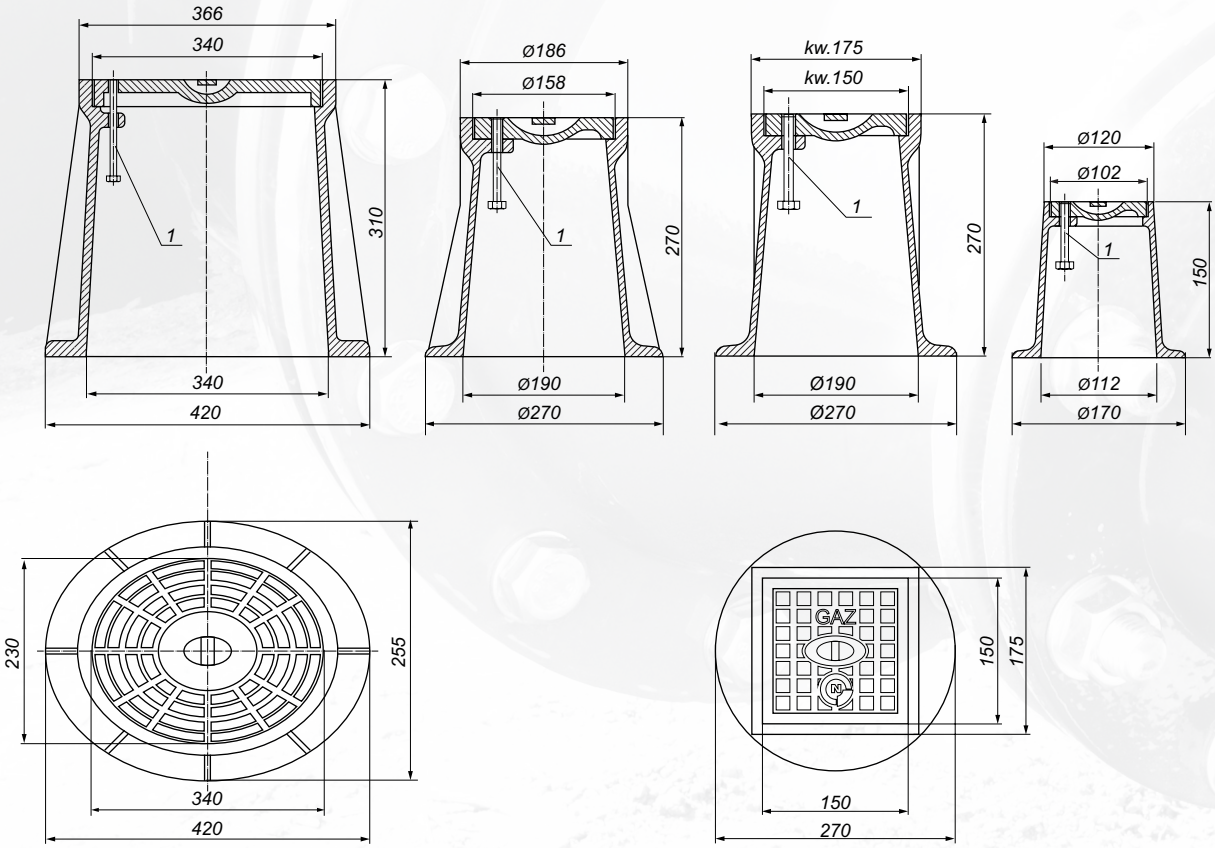
Street box HDPE with cast iron lid

Material and marking of box covers

cast iron:	cast iron:	cast iron:	cast iron:
HYDRANT, GAZ	W, G, K, without marking	GAZ	W, G, without marking
ductile iron:	ductile iron:		
HYDRANT, GAZ	W, G, GAZ, GAS, without marking		



Material:
body: HDPE
cover - cast iron EN-GJL-250, PN-EN 1561:2012
cover - ductile iron EN-GJS-500-7, PN-EN 1563:2018

** Cover available with a yellow lid.*
*** Body and lid of HDPE in yellow*

1) screw – galvanized steel 8.8/stainless steel A2

Description	Height	Weight
Street box for connector 90*	150	2,10
Street box for valve fig. 4056 round*	270	4,00
Street box for valve fig. 4056 round**	270	2,00
Street box for valve fig. 3581 square*	270	4,00
Street box for hydrant DN80 and DN100 „NORSON" fig. 4055*	310	12,00

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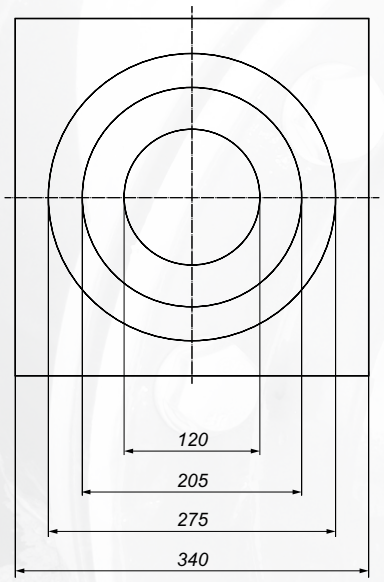
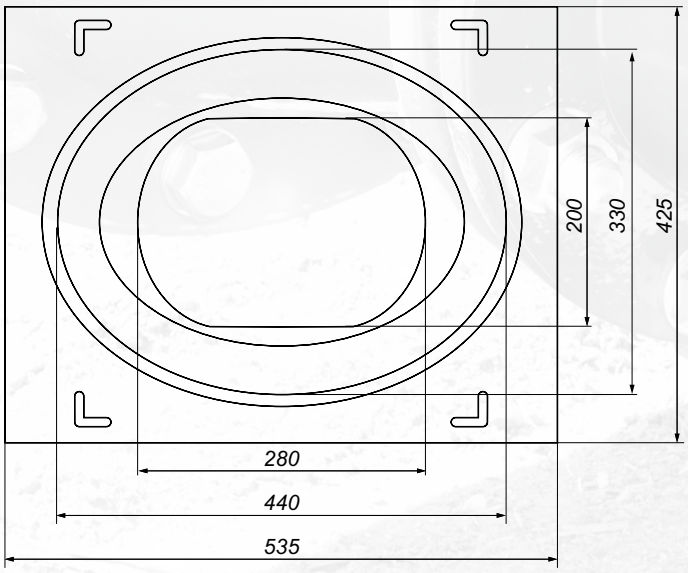
Street box HDPE with cast iron lid

HDPE pad for street boxes

for street boxes



for hydrants



Material: HDPE
It is used to stabilize the box on the ground.

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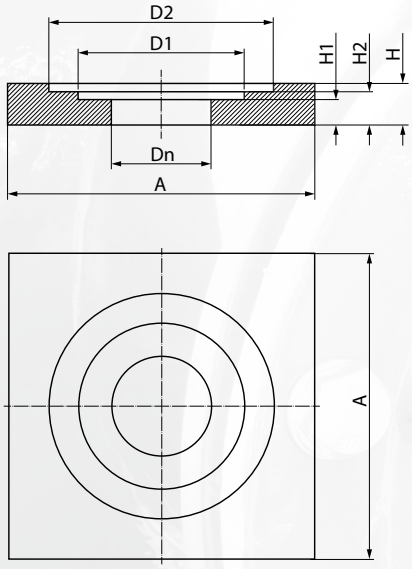
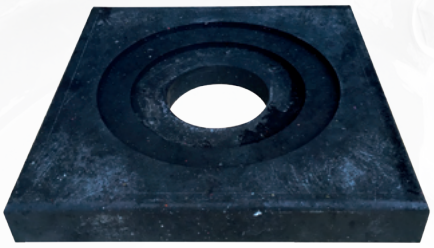
HDPE pad for street boxes

Composite elements

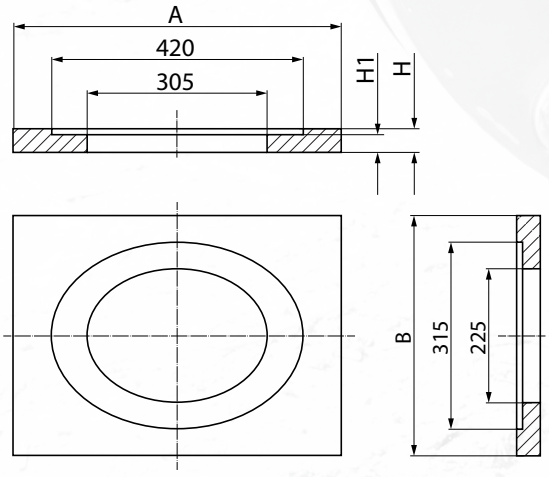


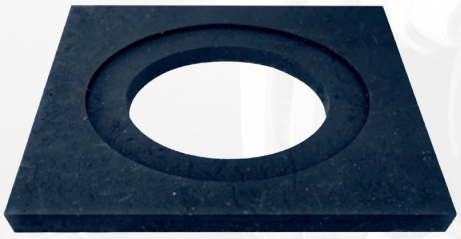


TXP/370/120

No.	Description	Dn	D1	D2	A	H	H1	H2	Weight
1.	Support pad for valve street boxes	120	200	270	370	50	30	40	6,80

Universal support adapters placed under street boxes that are used in water and gas installations. Installed on a sand bed (min. 5cm thick) or fortified substructure in order to provide a stable installation of boxes and secure them against movement and settlement.





TXP/550/225

No.	Description	A	B	H	H1	Weight
1.	Support pad for hydrant boxes	555	405	40	30	8,60

Support adapter placed under the oval box for hydrant. It is installed on a sand bed (min. 5cm thick) or fortified substructure in order to provide a stable installation of a box and secure it against movement and settlement.

Material: composition of thermoplastic polymers (PVC, PE, PEX)
Compressive strength: 400 kN in accordance with PN-EN 124-1:2015-07
Impregnability: 0,02% in accordance with PN-EN ISO 62:2008
Frost resistance in water: F150 (without changing the strength and surface structure)
Frost resistance in 2% NaCl solution: F50 (without changing the strength and surface structure)
Thermal resistance: from -30°C to + 60°C (in continuous operation)
and up to 180°C during installation in asphalt surface
Certyficate: IBDiM-KOT-2017/0047

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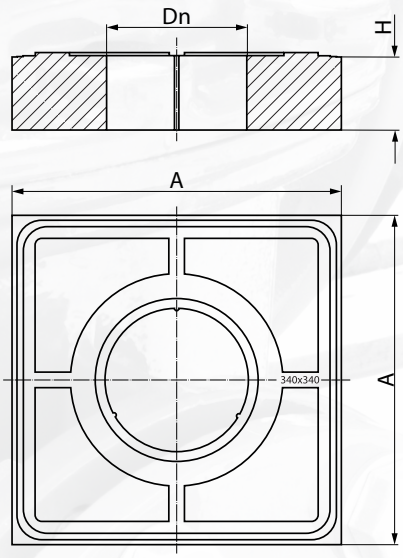
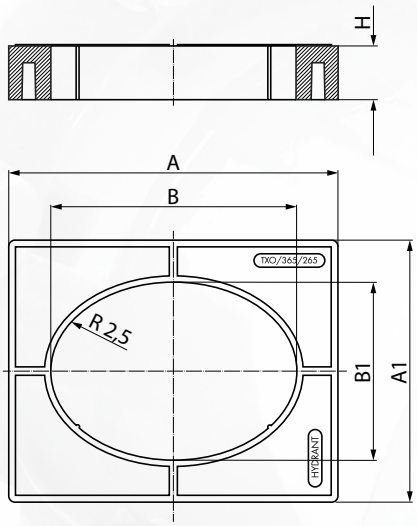
Composite elements



TXO/340/125
TXO/340/195

No.	Description	A	Dn	H	Weight
1.	Upper cover element of service valve box	340	125	80	9,00
2.	Upper cover element of valve box	340	195	80	7,20

Surface, upper protective elements of water supply and gas street boxes are installed around the box on a compacted substructure or in a paved or bituminous surface or in a green area. They secure boxes against movement and facilitate the reference to paved surface.



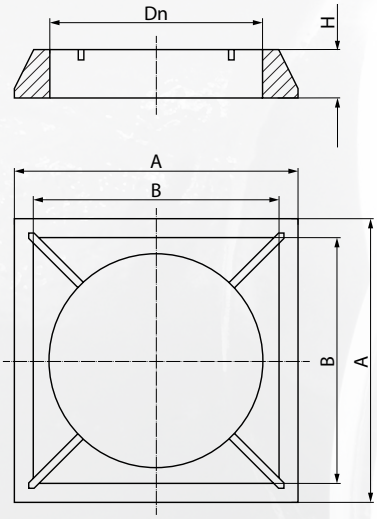
TXO/375/275

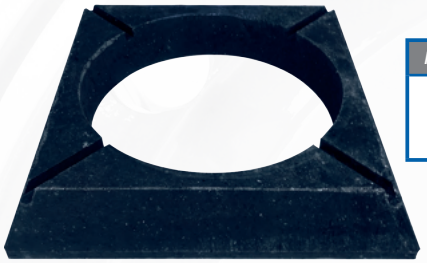
No.	Description	A	A1	B	B1	H	Weight
1.	Upper cover element of hydrant box	490	390	375	275	80	11,50

Surface, upper covering elements of water supply and gas street boxes installed around the box, on a compacted foundation or in paving, bituminous surfaces, green areas. They protect the boxes against shifting and make it easier to establish paving surfaces.

Material: composition of thermoplastic polymers (PVC, PE, PEX)
Compressive strength: 400 kN in accordance with PN-EN 124-1:2015-07
Impregnability: 0,02% in accordance with PN-EN ISO 62:2008
Frost resistance in water: F150 (without changing the strength and surface structure)
Frost resistance in 2% NaCl solution: F50 (without changing the strength and surface structure)
Thermal resistance: from -30°C to + 60°C (in continuous operation)
and up to 180°C during installation in asphalt surface
Certyficate: IBDiM-KOT-2017/0047

Composite elements

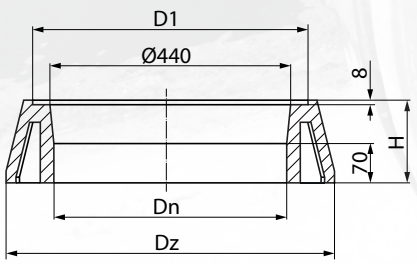




TXP/315/PN

No.	Description	Dn	A	B	H	Weight
1.	Conical pad under the manhole body 370/370	330	440	380	75	8,30

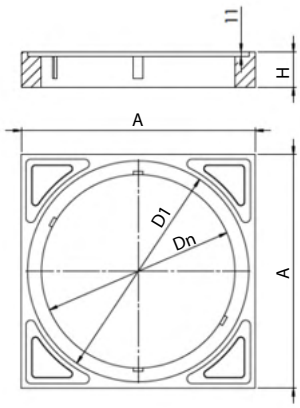
Support adapter used to support DN315 telescope manholes and drains installed in a bituminous layer. Intended to be placed under square load-bearing bodies of manholes with external flange dimensions of up to 370x370mm.



T3/400/N

No.	Description	Dn	Dz	D1	H	Weight
1.	Conical pad under the round manhole body 425/500	425	600	500	150	17,50

Conical pad for telescopic manhole pipe DN425.
Used for supporting 425/500 telescopic manholes covers or grates.
Intended under the body of a round supporting covers with external dimension Ø 500.



TXP/460/N

No.	Description	Dn	A	D1	H	Weight
1.	Pad under the round manhole body 425/460	405	490	463	75	10,0

Pad for telescopic manhole pipe DN425.
Used for supporting 425/460 telescopic manholes covers or grates.
Intended under the body of a round supporting covers with external dimension Ø 460.

Material: composition of thermoplastic polymers (PVC, PE, PEX)
Compressive strength: 400 kN in accordance with PN-EN 124-1:2015-07
Impregnability: 0,02% in accordance with PN-EN ISO 62:2008
Frost resistance in water: F150 (without changing the strength and surface structure)
Frost resistance in 2% NaCl solution: F50 (without changing the strength and surface structure)
Thermal resistance: from -30°C to + 60°C (in continuous operation)
and up to 180°C during installation in asphalt surface
Certyficate: IBDiM-KOT-2017/0047

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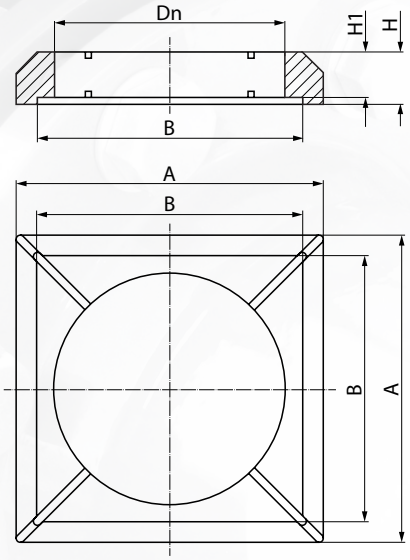
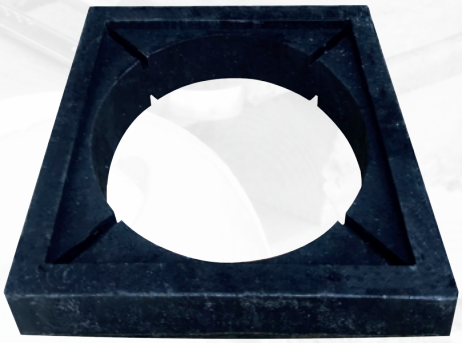
No.	Description	Dn	A	B	H	H1	Weight
1.	Universal supporting pad under the manhole body 355/355	330	420	357	100	87	10,40

Universal manhole and support adapter for DN315 telescope manholes with square load-bearing bodies with external flange dimensions of 355x355x13mm and class B125 and D400. Adapter is placed directly under the body of cast-iron manhole and placed in the load-bearing structure of the road. In the bituminous surface, the sloped side is the manhole supporting side and in the paving surface the cover is placed in the cover cavity of the adapter - square side. Adapter facilitates the placement and assembly of manholes. It is placed on a cement foundation in the paving surface. Making a correct filling in the bituminous surface and concentration of bituminous layer under the adapter is necessary.

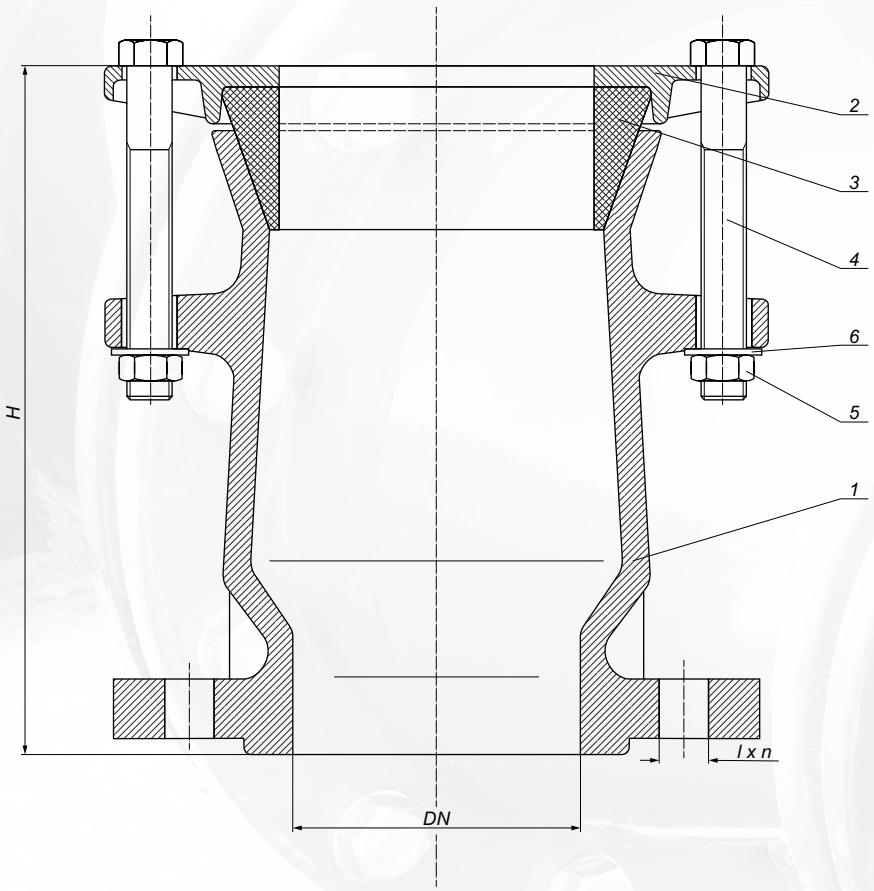




TXO/315/N355U

Material: composition of thermoplastic polymers (PVC, PE, PEX)
Compressive strength: 400 kN in accordance with PN-EN 124-1:2015-07
Impregnability: 0,02% in accordance with PN-EN ISO 62:2008
Frost resistance in water: F150 (without changing the strength and surface structure)
Frost resistance in 2% NaCl solution: F50 (without changing the strength and surface structure)
Thermal resistance: from -30°C to + 60°C (in continuous operation)
and up to 180°C during installation in asphalt surface
Certyficate: IBDiM-KOT-2017/0047

Flanged adaptor RK
ductile iron PN 10/16



It is used to connect: cast iron, steel, AC and PE, PVC pipes with flanged fittings.

Coating: poliester paint min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Material
1.	Body	EN-GJS-500-7
2.	Ring	EN-GJS-500-7
3.	Gasket	EPDM/NBR
4.	Screw	Galvanized steel 8.8/ Stainless steel A2/A4
5.	Nut	
6.	Pad	

DN	DN/OD Range	H	l	n	Weight
80	88-102 mm	180	18	4(8)	9,30
80	88-103 mm	100	18	8	5,50
100	108-124 mm	190	18	8	11,60
100	107-128 mm	100	18	8	6,50
150	159-179 mm	200	22	8	17,50
150	159-182 mm	110	22	8	10,50
200	219-238 mm	215	22	8(12)	24,20
200	218-235 mm	170	22	8(12)	12,50
250	273-280 mm	120	22(26)	12	21,50
250	270-295 mm	190	22(26)	12	23,00
300	310-335 mm	140	22(26)	12	26,50
300	315-326 mm	208	22(26)	12	30,50

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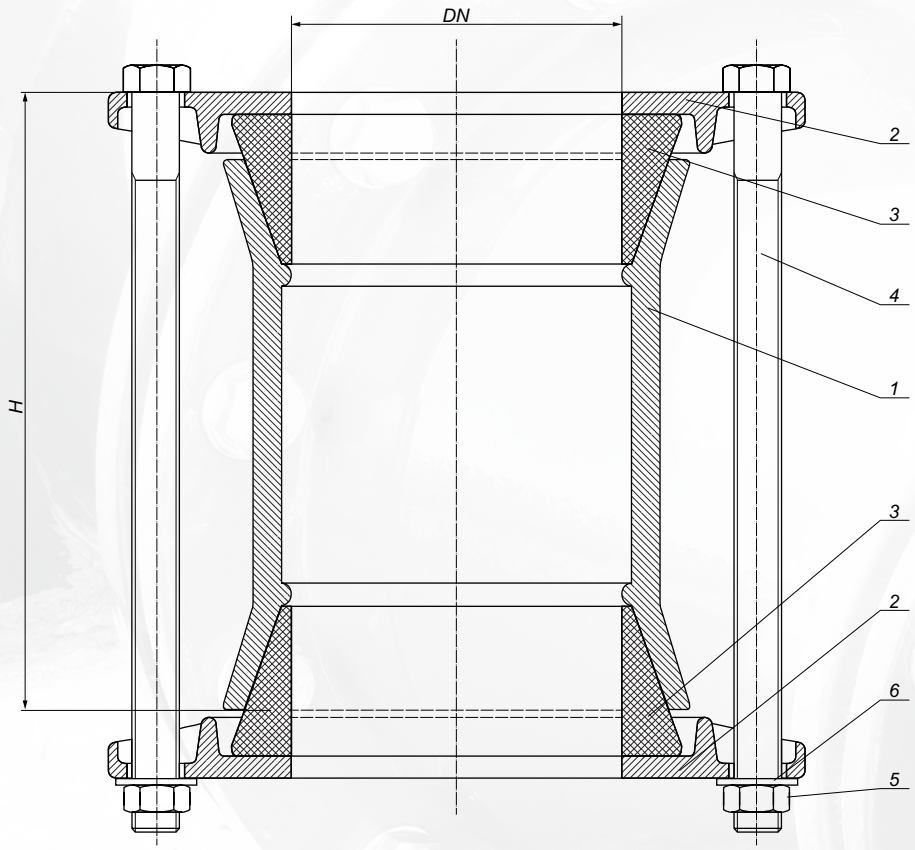
Flanged adaptor RK ductile iron PN 10/16

Coupling RR
ductile iron PN 10/16



It is used to connect: cast iron, steel, AC and PE, PVC pipes in various combinations.

Coating: poliester paint min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Material
1.	Body	EN-GJS-500-7
2.	Ring	EN-GJS-500-7
3.	Gasket	EPDM/NBR
4.	Screw	Galvanized steel 8.8/ Stainless steel A2/A4
5.	Nut	
6.	Pad	

DN	DN/OD Range	H	Weight
80	88-102 mm	180	7,70
80	84-108 mm	175	5,50
100	108-124 mm	185	8,50
100	107-128 mm	175	6,60
150	159-179 mm	185	13,00
150	158-184 mm	210	10,00
200	219-238 mm	190	15,60
200	218-246 mm	210	13,50
250	270-295 mm	200	19,00
300	315-332 mm	200	21,50

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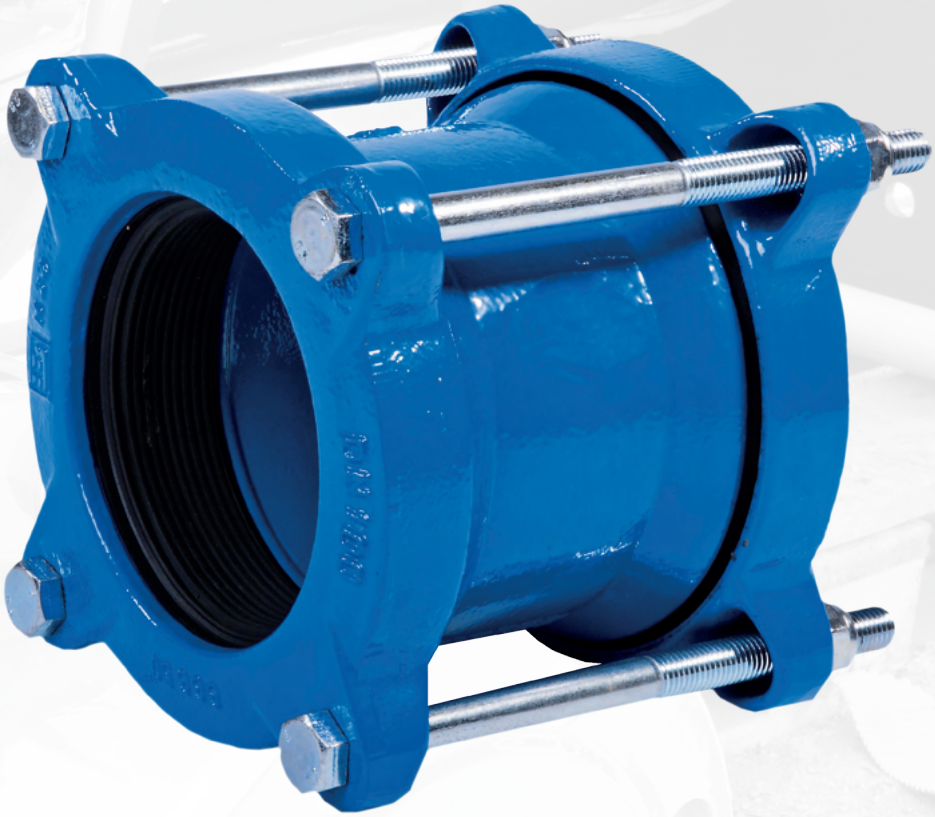
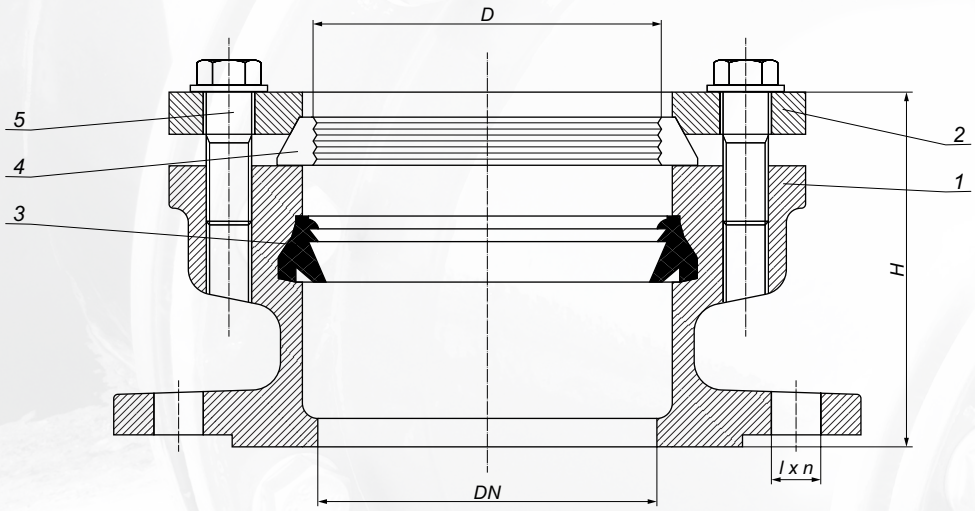
Coupling RR
ductile iron PN 10/16



RKPE flange adaptor ductile iron PN 10/16 with brass insert for PE and PVC pipes



It is used to connect PE and PVC pipes with a flange fittings.
It has brass protection before sliding the pipe out of the fitting.

Coating: poliester paint min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Material
1.	Body	EN-GJS-500-7
2.	Ring	EN-GJS-500-7
3.	Gasket	EPDM/NBR
4.	Protection ring	Brass MO59
5.	Screw, pad	Stainless steel A2/A4

DN	D	H	l	n	Weight
50	63	96	18	4	3,60
80	90	96	18	8	5,90
100	110	101	18	8	9,80
100	125	122	18	8	10,20
125	125	122	18	8	10,60
125	140	127	18	8	13,00
150	160	141	22	8	15,20
150	180	144	22	8	16,50
200	200	149	22	8(12)	19,00
200	225	155	22	8(12)	20,60
250	250	169	22(26)	12	30,50
250	280	181	22(26)	12	31,30
300	315	191	22(26)	12	46,50

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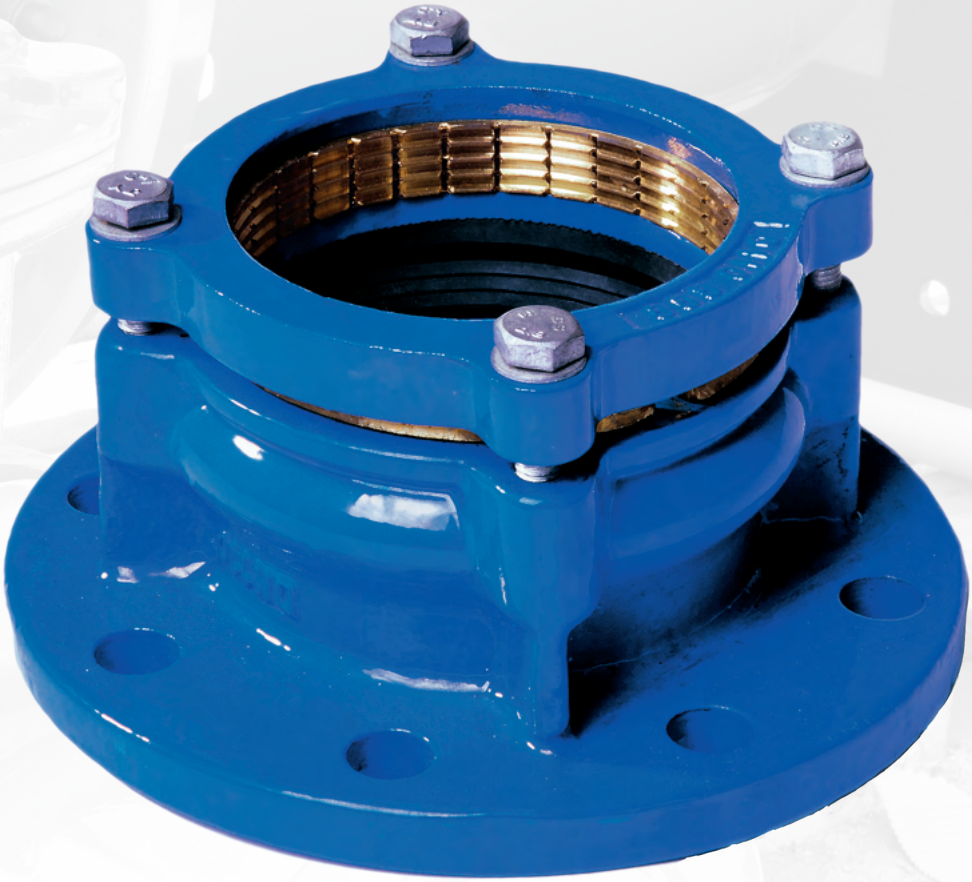
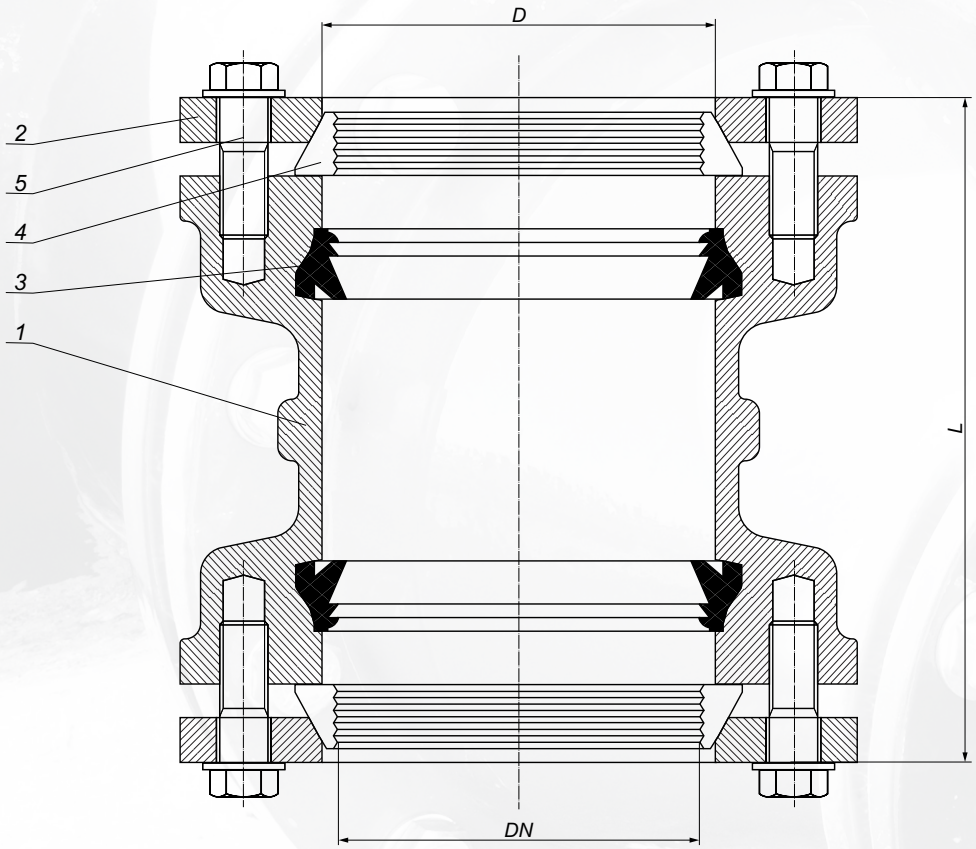
RKPE flange adaptor ductile iron PN 10/16 with brass insert for PE and PVC pipes



RRPE coupling ductile iron PN 10/16 with brass insert for PE and PVC pipes



It is used to connect PE and PVC pipes.
It has brass protections before sliding the pipes out of the fitting.

Coating: poliester paint min. 250 µm
Nominal pressure: 1,0/1,6 MPa; PN 10/16

No.	Description	Material
1.	Body	EN-GJS-500-7
2.	Ring	EN-GJS-500-7
3.	Gasket	EPDM/NBR
4.	Protection ring	Brass MO59
5.	Screw, pad	Stainless steel A2

DN	L	D	Weight
63	163	65	4,00
90	175	92	5,40
110	175	112	6,70
125	183	127	8,20
140	188	142	9,60
160	212	162	12,40
180	222	183	15,00
200	242	203	19,00
225	262	223	21,00
250	282	253	30,00
280	306	283	35,00
315	326	318	40,00

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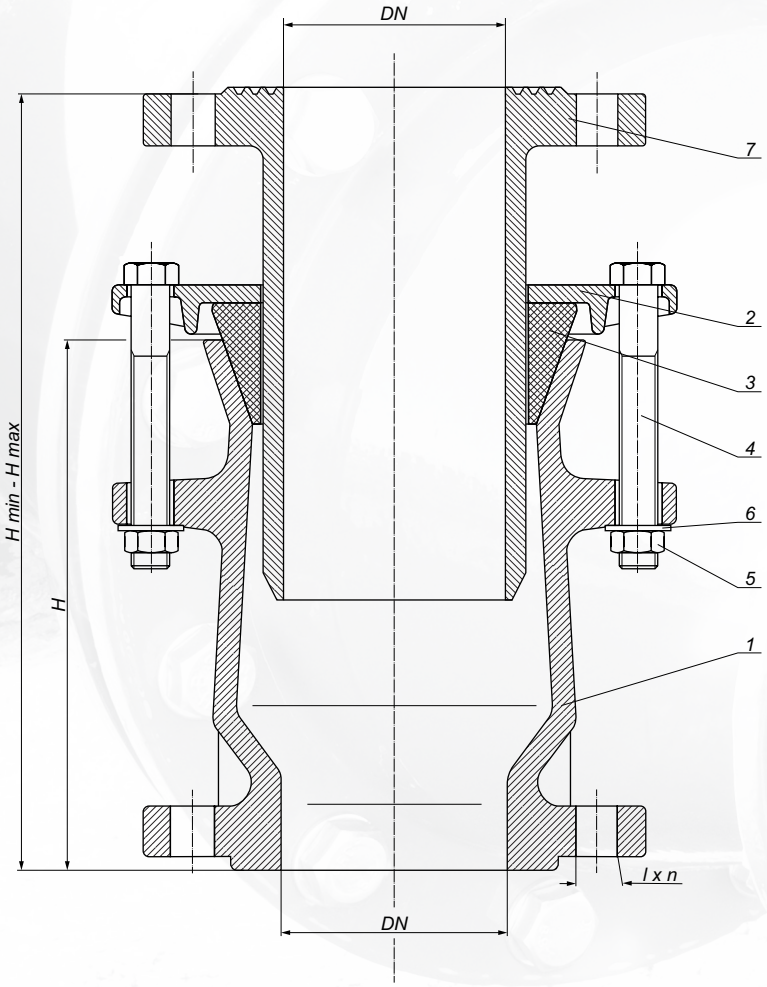
RRPE coupling ductile iron PN 10/16 with brass insert for PE and PVC pipes

RKF Compensate adaptor ductile iron PN 10/16



Coating: poliester paint min. 250 µm
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

No.	Description	Material
1.	Body	EN-GJS-500-7
2.	Ring	EN-GJS-500-7
3.	Gasket	EPDM/NBR
4.	Screw	Galvanized steel 8.8 class/ Stainless steel A2/A4
5.	Nut	
6.	Pad	
7.	Flanged pipe	EN-GJS-500-7

It is used for installation of fittings on the supply network.

DN	H min.	H max.	l	n	Weight:
80	220	270	18	8	13,40
100	230	280	18	8	16,50
150	250	300	22	8	26,90
200	275	325	22	8(12)	39,20
250	275	330	24	12	42,50
300	275	360	24	12	61,50

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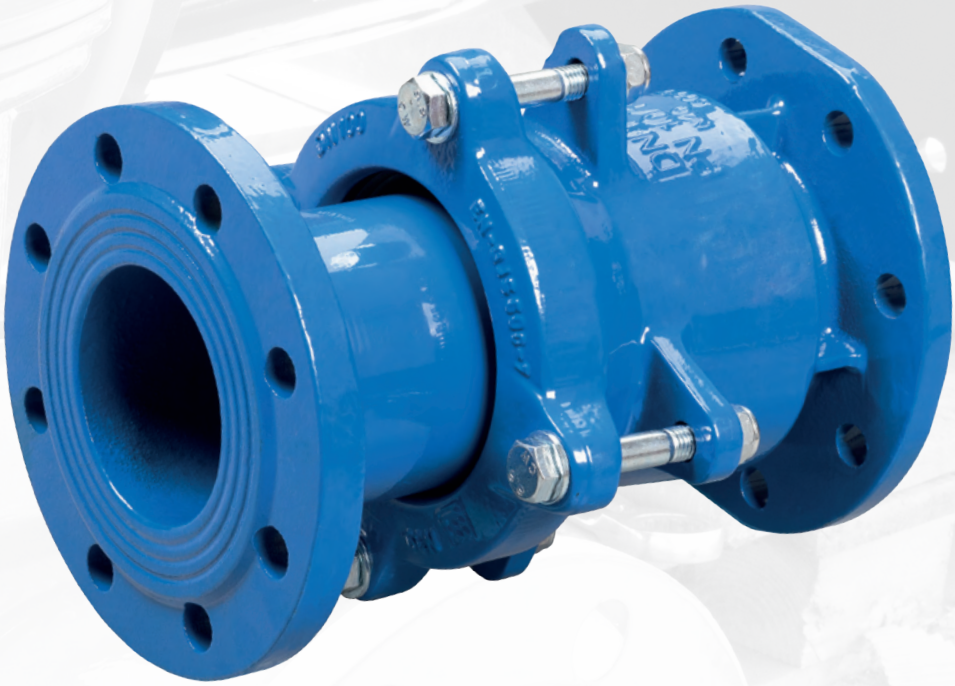
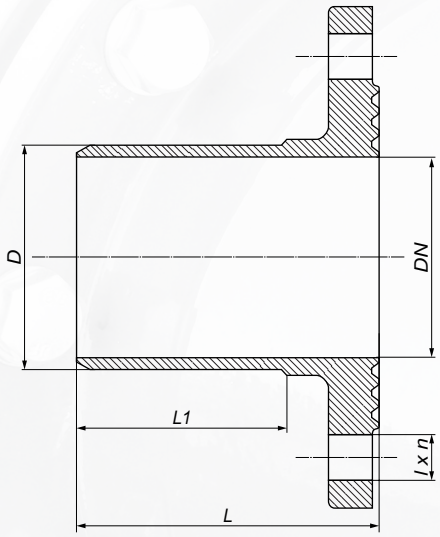
RKF Compensate adaptor ductile iron PN 10/16



Spigot FW
PN 10 and ductile iron PN 10/16



It is used to connect the socket end of the PVC pipe with supply flange.

Coating: bitumen paint, poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	D	L1	L	l	n	Weight
50	63	70	95	18	4	2,60
80	90	85	115	18	4(8)	4,10
100	110	95	120	18	8	4,90
150	160	125	145	22	8	9,40
200	200	135	165	22	8(12)	15,00
200	225	135	165	22	8(12)	16,00
250	250	165	200	22(26)	12	22,00
250	280	165	200	22(26)	12	25,00
300	315	215	250	22(26)	12	31,00
400	400	265	320	26	16	46,00
500	500	285	340	26	20	89,00

Coating: poliester paint min. 250 µm
Material: ductile iron EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	D	L1	L	l	n	Weight
50	63	94	120	18	4	3,70
80	90	103	131	18	8	5,70
100	110	111	138	18	8	6,90
150	160	128	158	22	8	12,00
200	225	148	178	22	8(12)	20,00
250	250	157	190	22(26)	12	23,00
250	280	177	202	22(26)	12	24,00
300	315	177	214	22(26)	12	30,00

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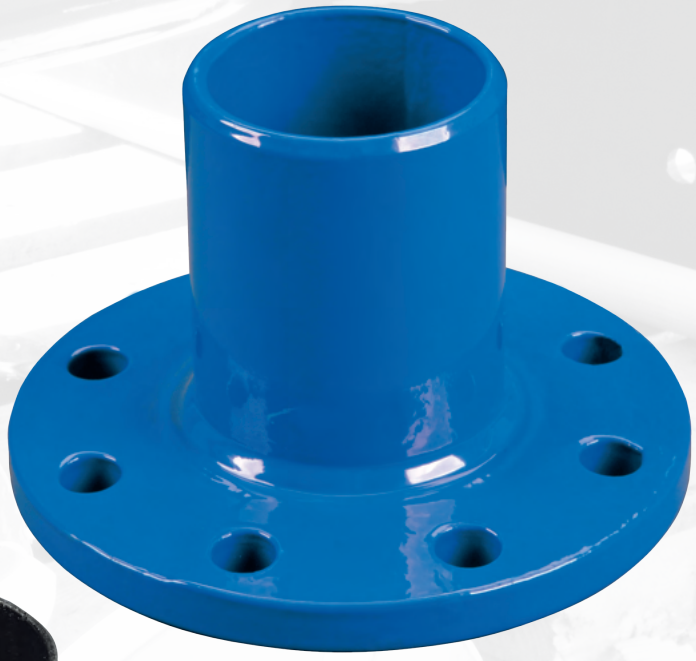
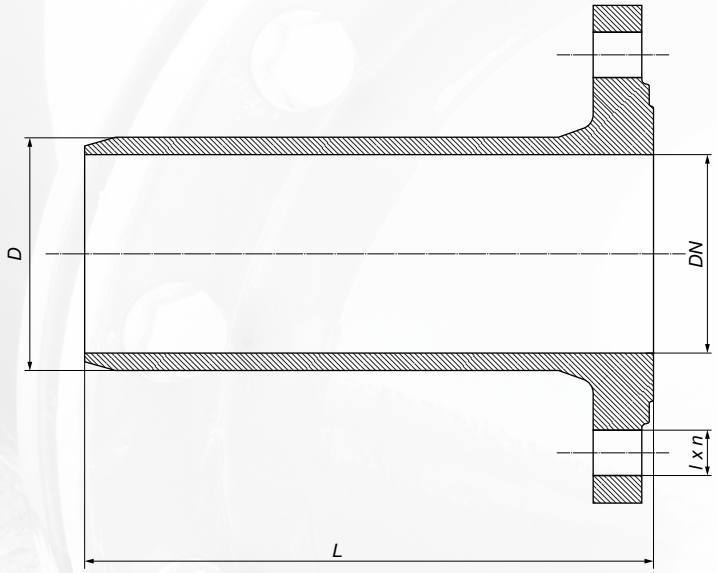
Spigot FW
PN 10 and ductile iron PN 10/16



Single flanged pipe F
PN 10 and ductile iron PN 10/16



Coating: bitumen paint, epoxy paint min. 250 µm
Material: ductile iron pipe EN-GJS-500-7, PN-EN 1563:2000
Flange: EN-GJL-250, PN-EN 1561:2000,
EN-GJS-500-7, PN-EN 1563:2000
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	L	l	n	Weight	
				L-400	+/-100 mm
80	300, 400, 500	18	8	12,00	0,90
100		18	8	16,00	1,50
150		22	8	22,00	3,20
200		22	8	34,00	5,00

Possibility to make lenght L according to the order.

It is used to connect cast iron pipes with flanged fitting.

Coating: epoxy paint min. 250 µm
Material: ductile iron EN-GJS-500-7, PN-EN 1563:2000
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa, PN 10/16

DN	D	L	l	n	Weight
50	66	340	18	4	7,50
65	82	345	18	4	9,50
80	98	350	18	8	7,80
100	118	360	18	8	9,70
125	144	370	18	8	12,50
150	170	380	22	8	15,80
200	222	400	22	8(12)	22,80
250	274	420	22(26)	12	32,00(36,00)
300	326	440	22(26)	12	43,50(48,00)

Possibility to make lenght L according to the order.

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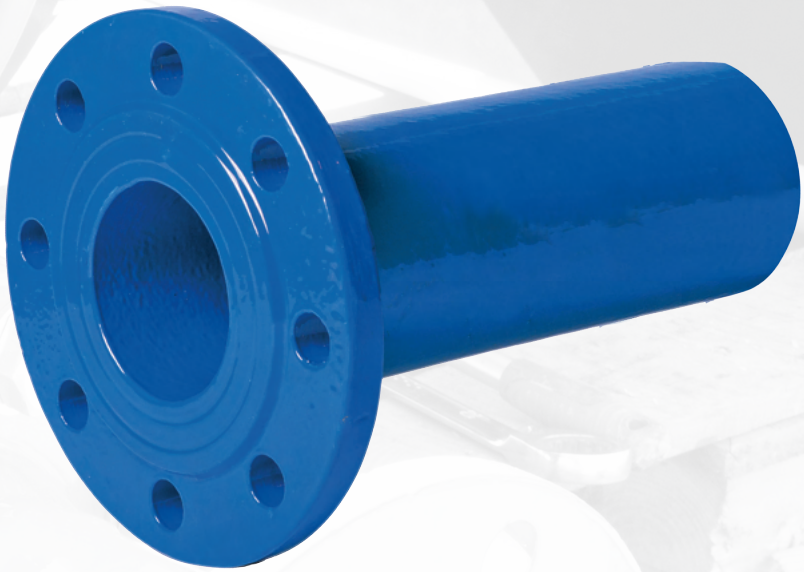
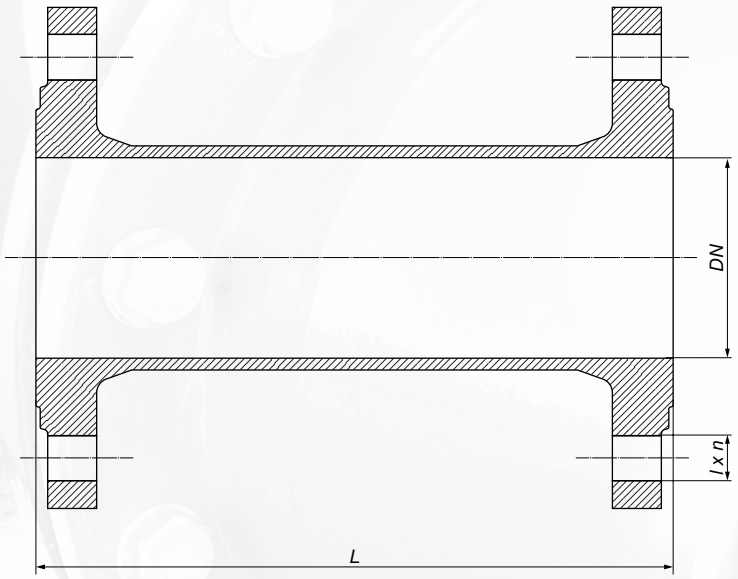
Single flanged pipe F
PN 10 and ductile iron PN 10/16



Double flanged pipe FF
PN 10 and ductile iron PN 10/16



It is used to connect flanged fittings.

Coating: bitumen paint,
poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	L	l	n	Weight	
				L-500	+/-100 mm
80	100, 200, 300, 400, 500, 600, 800, 1000	18	4(8)	16,00	0,90
100		18	8	20,00	1,50
150		22	8	28,00	3,20

Possibility to make length L according to the order.

Lengths over 500 mm - ductile iron pipe
EN-GJS-500-7, PN-EN 1563:2018
and flange EN-GJL-250, PN-EN 1561:2012
or EN-GJS-500-7, PN-EN 1563:2018

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	L	l	n	Weight:	
				L-500	+/-100 mm
50	200, 300, 400, 500	18	4	11,00	0,90
65		18	4	11,90	1,00
80	100, 200, 300, 400, 500, 600, 800, 1000	18	8	13,40	1,60
100		18	8	16,50	1,80
125	200, 300, 400, 500	18	8	22,30	2,60
150	100, 200, 300, 400, 500, 600, 800, 1000	22	8	24,00	3,00
200		22	8(12)	37,50	4,50
250	300, 400, 500, 1000	22(26)	12	51,50	6,00
300		22(26)	12	64,50	6,50

Monolithic casting up to length L - 1000.

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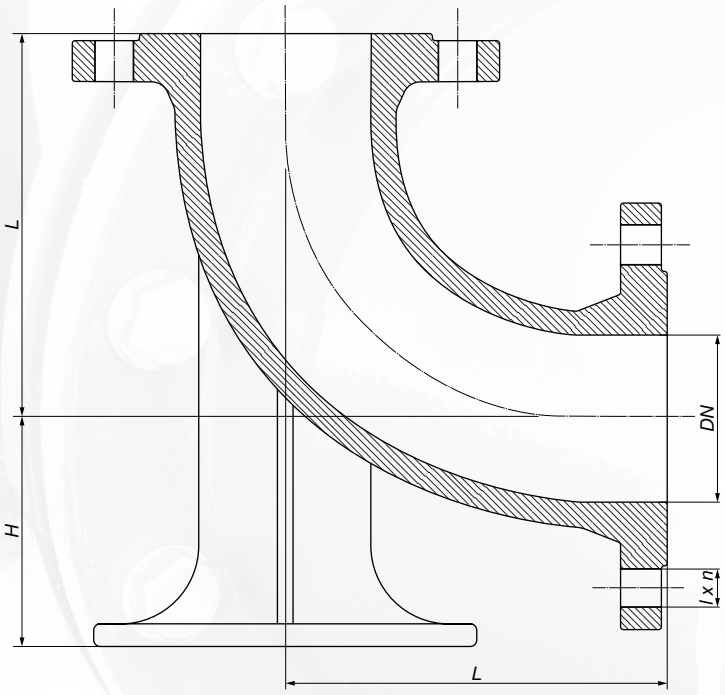
Double flanged pipe FF
PN 10 and ductile iron PN 10/16

Duckfoot bend N
PN 10 and ductile iron PN 10/16



It is used to build supply systems and extend the pipeline to the surface (installation of hydrants).

Coating: bitumen paint, poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	L	H	l	n	Weight
80	165	110	18	4(8)	15,40
100	180	125	18	8	20,50
150	220	160	22	8	42,00

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	L	H	l	n	Weight
80	165	110	18	8	15,00
100	180	125	18	8	19,50
150	220	160	22	8	35,00
200	260	190	22	8(12)	51,00

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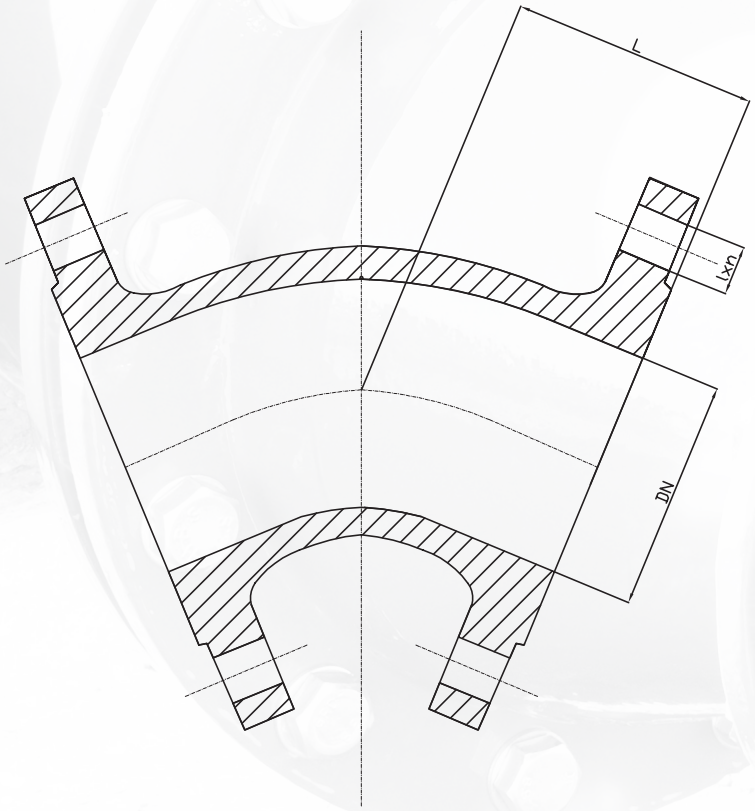
Duckfoot bend N
PN 10 and ductile iron PN 10/16

Flanged bend łłK 45° ductile iron PN 10/16



It is used to turn the course of supply systems.

DN	L	l	n	Weight
80	130	18	8	9,70
100	140	18	8	11,90
150	160	22	8	21,00
200	180	22	8(12)	33,60

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

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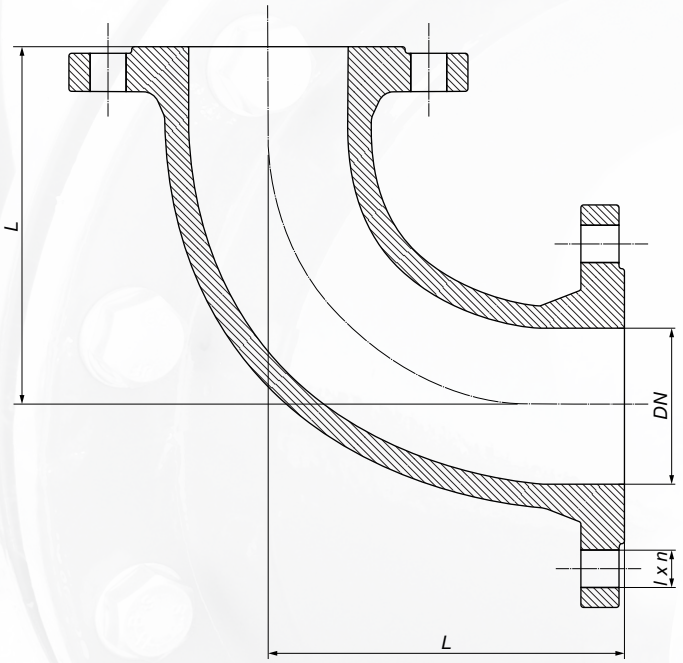
Flanged bend łŁK 45° ductile iron PN 10/16

Flanged bend Q
PN 10 and ductile iron PN 10/16



It is used to turn the course of supply systems.

Coating: bitumen paint,
poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	L	l	n	Weight
50	150	18	4	6,70
80	165	18	4(8)	12,20
100	190	18	8	16,20
150	220	22	8	28,00
200	260	22	8	52,00

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	L	l	n	Weight
50	150	18	4	8,00
65	160	18	4	8,80
80	165	18	8	9,70
100	180	18	8	11,90
125	200	18	8	17,00
150	220	22	8	21,00
200	260	22	8(12)	33,60
250	350	22(26)	12	52,00
300	400	22(26)	12	72,00

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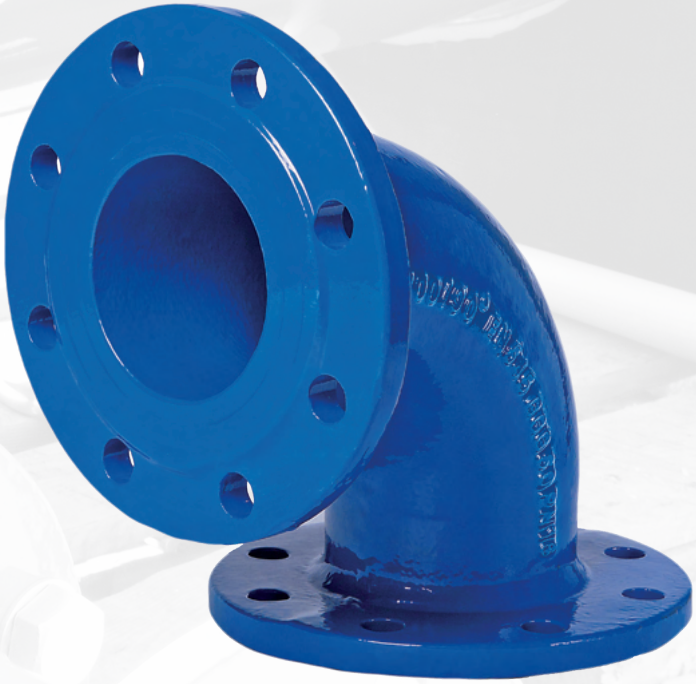
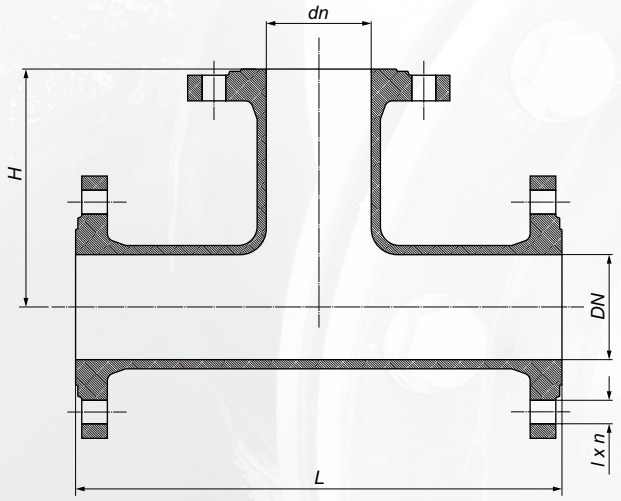
Flanged bend Q
PN 10 and ductile iron PN 10/16



Flanged tee T
PN 10 and ductile iron PN 10/16



It is used to branch and mount fittings on the water supply network.

Coating: bitumen paint, poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	dn	L	H	l	n	Weight
50	50	300	150	18	4	11,70
80	50	320	160	18	4(8)/4	16,30
	80	320	165	18	4(8)	17,00
100	50	360	170	18	8/4	19,40
	80	360	175	18	8/4(8)	20,40
	100	360	180	18	8	21,10
150	80	440	205	22	8/4(8)	34,00
	100	440	210	22	8	36,00
	150	440	220	22	8	40,60
200	80	520	235	22	8/4(8)	52,00
	100	520	240	22	8	53,00
	150	520	250	22	8	55,00
	200	520	260	22	8	61,00

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	dn	L	H	l	n	Weight
50	50	300	150	18	4	11,50
65	50	330	160	20	4	11,00
65	65	330	165	18	4	12,50
80	50	330	160	18	8/4	14,20
	65	330	165	18	8/4	14,50
	80	330	165	18	8	15,60
100	50	360	165	18	8/4	18,40
	65	360	165	18	8/4	18,60
	80	360	175	18	8	19,00
	100	360	180	18	8	19,30
125	80	400	190	18	8	23,10
	100	400	195	18	8	23,50
	125	400	195	18	8	23,90
150	50	440	205	22	8/4	29,00
	65	440	205	22	8/4	30,00
	80	440	205	22	8	30,50
	100	440	210	22	8	32,50
	125	440	210	22	8	33,00
	150	440	220	22	8	34,00
200	80	520	235	22	8(12)/8	45,00
	100	520	240	22	8(12)/8	46,00
	150	520	250	22	8(12)/8	48,00
	200	520	260	22	8(12)	49,00
250	80	700	265	22(26)	12/8	65,00
	100	700	275	22(26)	12/8	69,00
	150	700	280	22(26)	12/8	70,00
	200	700	325	22(26)	12/8(12)	80,00
	250	700	350	22(26)	12	89,00
300	80	800	295	22(26)	12/8	93,00
	100	800	300	22(26)	12/8	97,00
	150	800	310	22(26)	12/8	98,00
	200	800	330	22(26)	12/8(12)	105,00
	250	800	350	22(26)	12	116,00
	300	800	400	22(26)	12	125,00

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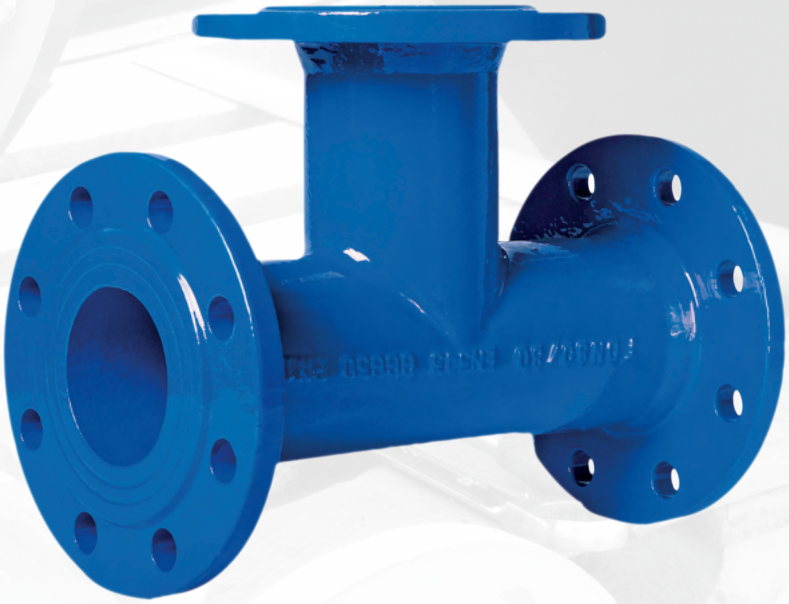
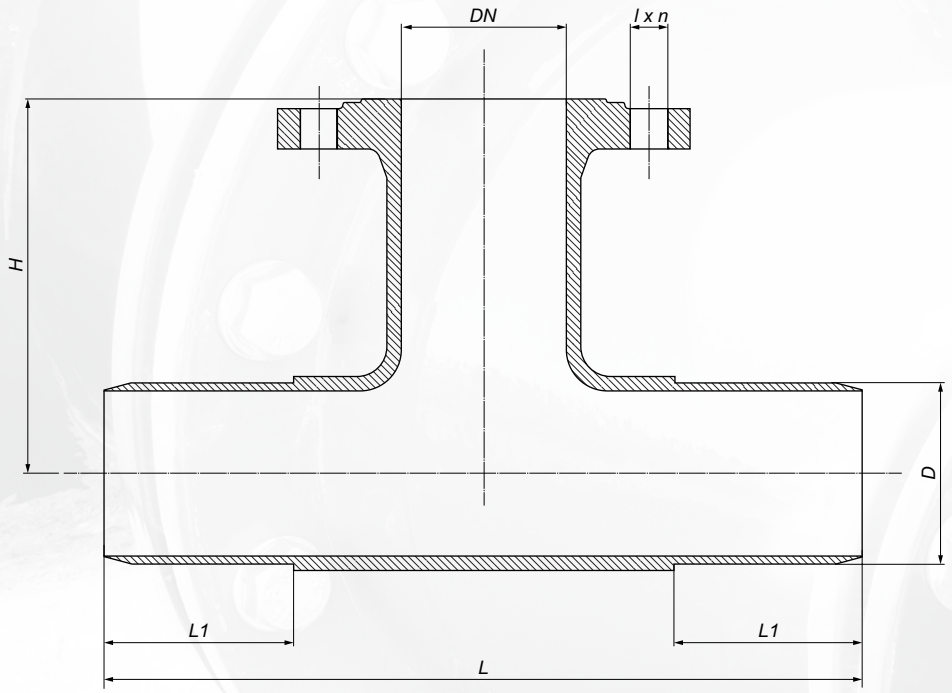
Flanged tee T
PN 10 and ductile iron PN 10/16



Bare tee TBK PN 10



It is used to branch and mount fittings on the supply network.

D	DN	L	H	L1	l	n	Weight
90	50	300	160	110	18	4	7,60
	80	310	165	110	18	4(8)	10,10
110	50	360	170	110	18	4	9,20
	80	360	175	110	18	4(8)	11,60
	100	360	180	110	18	8	14,00
160	80	445	205	120	22	4(8)	18,00
	100	445	210	120	22	8	20,00
	150	455	220	120	22	8	25,00
225	80	450	235	150	22	4(8)	29,00
	100	450	240	150	22	8	31,00
	150	450	245	150	22	8	37,00

Coating: bitumen paint, poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

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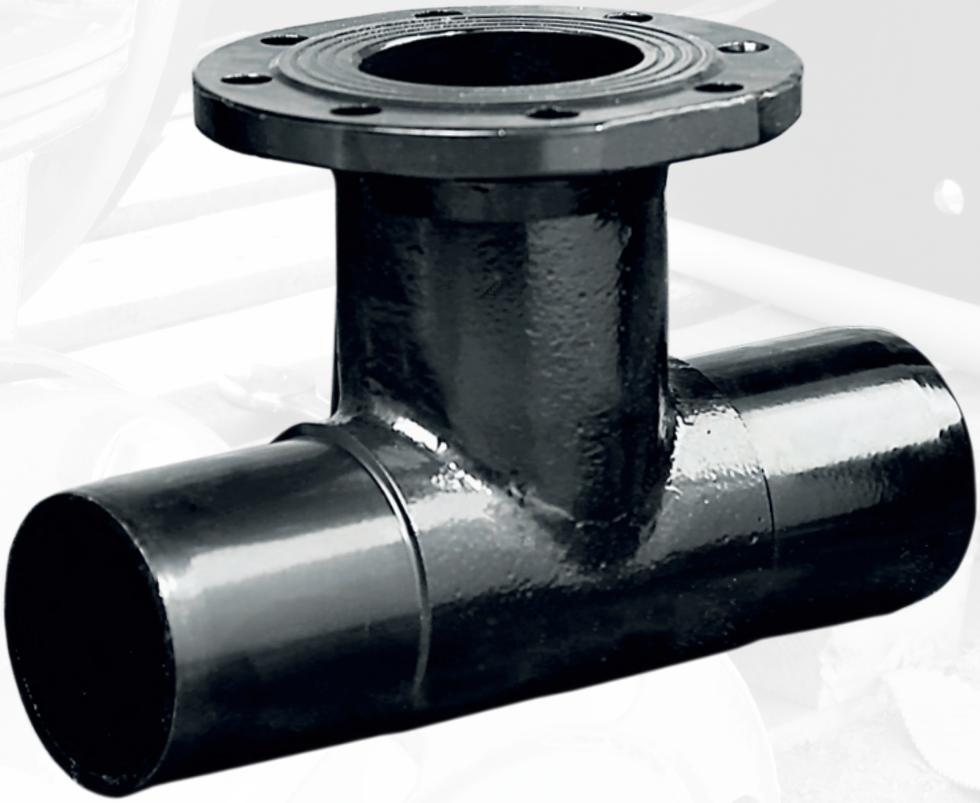
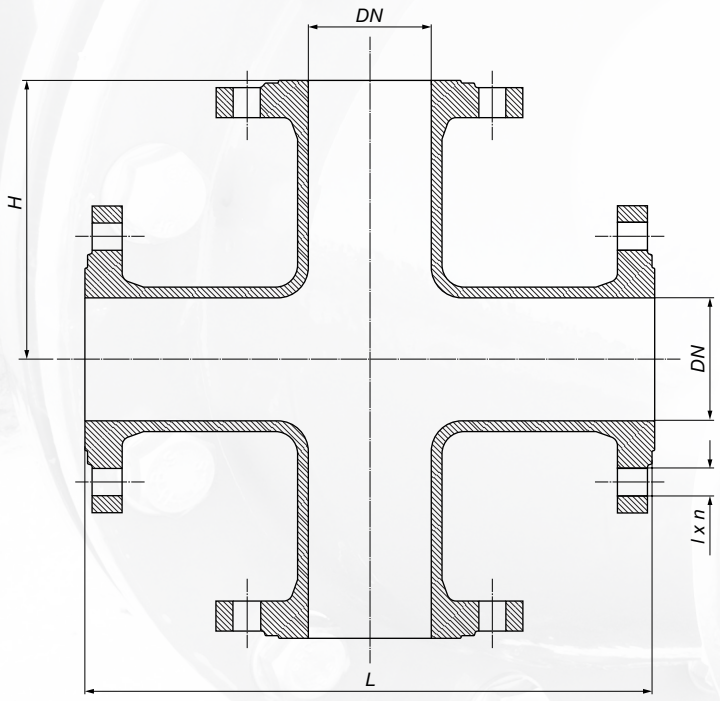
Bare tee TBK PN 10



Flanged cross TT
ductile iron PN 10/16



It is used to branch and mount fittings on the supply network.

DN	L	l	n	H	Weight
80	330	18	8	165	20,00
100	360	18	8	180	26,00
150	440	22	8	220	42,00
200	520	22	8(12)	260	64,00

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

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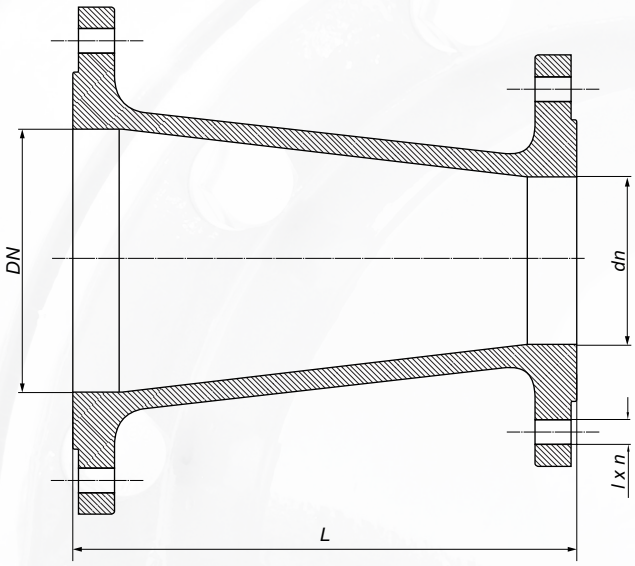
Flanged cross TT ductile iron PN 10/16

Flanged reducer FFR
PN 10 and ductile iron PN 10/16



It is used to reduce diameter in supply systems.

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	Dn	L	l	n	Weight
65	50	200	18	4	6,90
80	50	200	18	8/4	8,40
	65	200	18	8/4	8,80
100	50	200	18	8/4	9,40
	65	200	18	8/4	9,80
	80	200	18	8	10,20
125	80	200	18	8	13,00
	100	200	18	8	13,40
150	80	200	22	8	14,60
	100	200	22	8	14,80
	125	200	22	8	17,20
200	80	300	22	8(12)/8	22,20
	100	300	22	8(12)/8	22,50
	125	300	22	8(12)/8	23,20
	150	300	22	8(12)/8	23,70
250	80	300	22(26)	12/8	27,10
	100	300	22(26)	12/8	28,30
	150	300	22(26)	12/8	29,50
	200	300	22(26)	12/8(12)	33,00
300	100	300	22(26)	12/8	31,30
	150	300	22(26)	12/8	36,70
	200	300	22(26)	12/8(12)	45,00
	250	300	22(26)	12	50,00

Coating: bitumen paint,
poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	dn	L	l	n	Weight
80	50	200	18	4(8)/4	7,70
100	50	200	18	8/4	9,00
	80	200	18	8/4(8)	11,50
150	80	200	22	8/4(8)	15,00
	100	200	22	8	16,00
200	80	200	22	8/4(8)	20,50
	100	200	22	8	21,50
	150	200	22	8	22,50

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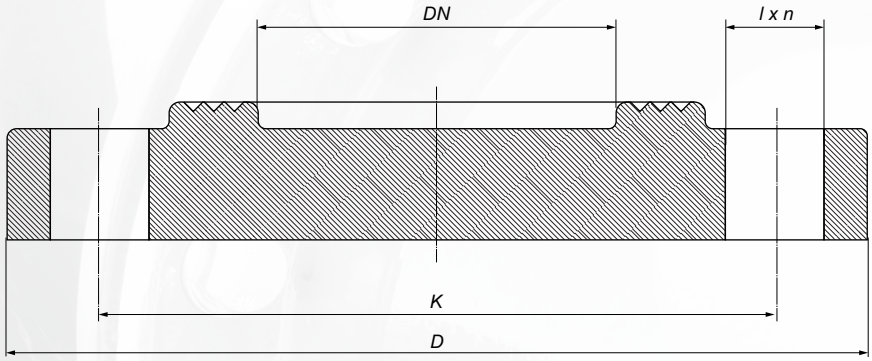
Flanged reducer FFR
PN 10 and ductile iron PN 10/16

Blind flange X
PN 10 and ductile iron PN 10/16



It is used to blind a supply systems.

Coating: bitumen paint,
poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

DN	K	D	l	n	Weight
50	125	165	18	4	2,20
80	160	200	18	4(8)	3,00
100	180	220	18	8	3,80
150	240	285	22	8	6,60
200	295	340	22	8	10,50
250	350	400	22	12	16,00
300	400	445	22	12	22,50

Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	K	D	l	n	Weight
50	125	165	18	4	2,40
65	145	185	18	4	3,20
80	160	200	18	8	3,90
100	180	220	18	8	4,80
125	210	250	18	8	6,20
150	240	285	22	8	8,10
200	295	340	22	8(12)	11,40
250	350(355)	400	22(26)	12	16,60
300	400(410)	445	22(26)	12	23,50

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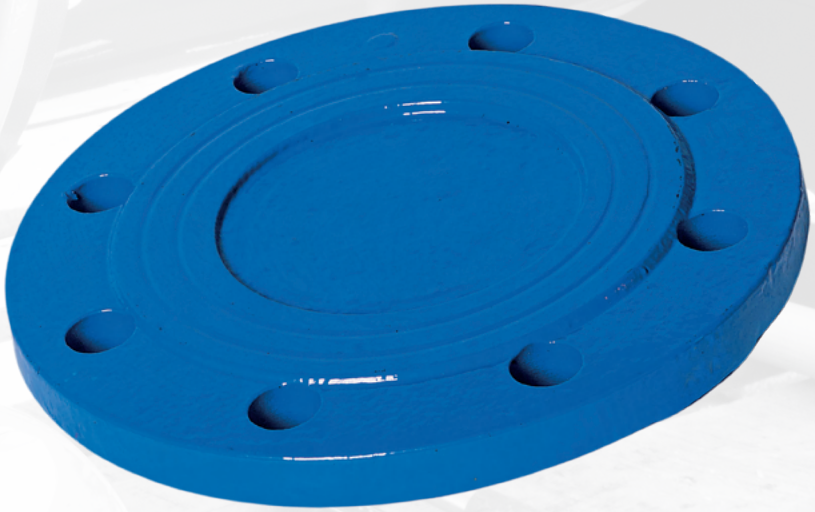
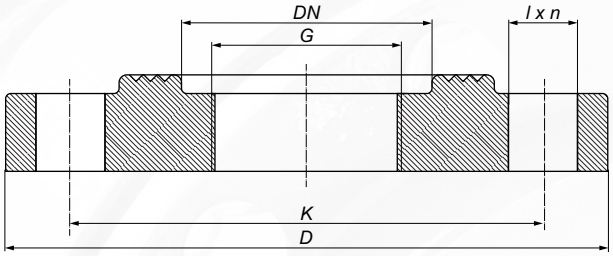
Blind flange X
PN 10 and ductile iron PN 10/16



Threaded flange XG PN 10



It is used to transition from a flanged connection to a threaded connection.

Coating:
bitumen paint,
poliester paint min. 250 µm

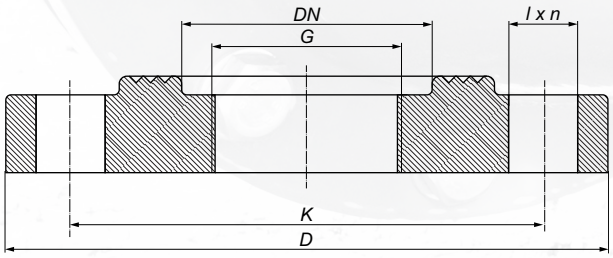
Material:
cast iron EN-GJL-250,
PN-EN 1561:2012

Flange connection:
PN-EN 1092-2:1999

Nominal pressure:
1,0 MPa; PN 10

DN	G	K	D	l	n	Weight
50	¾", 1", 1¼", 1½", 2"	125	165	18	4	1,70
80	¾", 1", 1¼", 1½", 2", 2½", 3"	160	200	18	4(8)	2,75
100	¾", 1", 1¼", 1½", 2", 2½", 3", 4"	180	220	18	8	3,60
150	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5",6"	240	285	22	8	6,00
200	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8"	295	340	22	8	10,00
250	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10"	350	400	22	12	15,50
300	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10", 12"	400	445	22	12	22,00

Threaded flange XG ductile iron PN 10/16



It is used to transition from a flanged connection to a threaded connection.

Coating:
poliester paint min. 250 µm

Material:
ductile iron, EN-GJS-500-7,
PN-EN 1563:2018

Flange connection:
PN-EN 1092-2:1999

Nominal pressure:
1,0/1,6 MPa; PN 10/16

DN	G	K	D	l	n	Weight
50	¾", 1", 1¼", 1½", 2"	125	165	18	4	2,20
65	¾", 1", 1¼", 1½", 2", 2½"	145	185	18	4	2,70
80	¾", 1", 1¼", 1½", 2", 2½", 3"	160	200	18	8	3,30
100	¾", 1", 1¼", 1½", 2", 2½", 3", 4"	180	220	18	8	3,70
125	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5"	210	250	18	8	6,20
150	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6"	240	285	22	8	7,10
200	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8"	295	340	22	8(12)	11,00
250	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10"	350(355)	400	22(26)	12	16,00
300	¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5", 6", 8", 10", 12"	400(410)	445	22(26)	12	23,00

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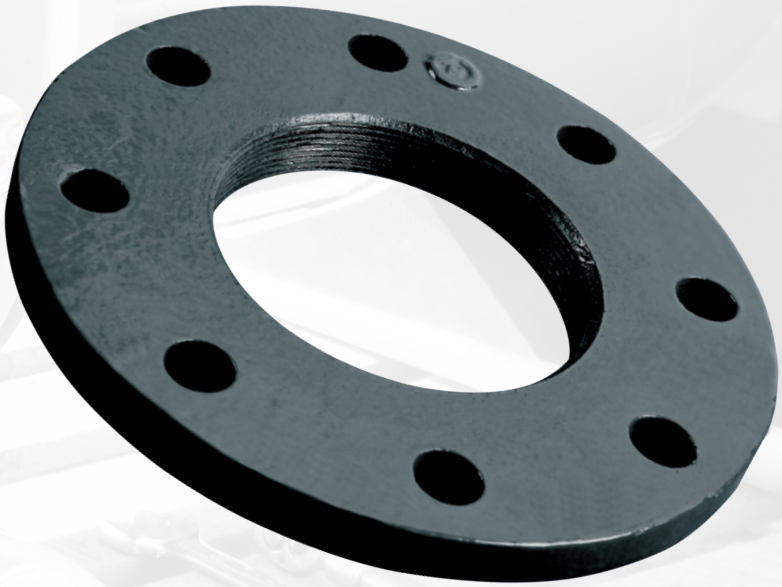
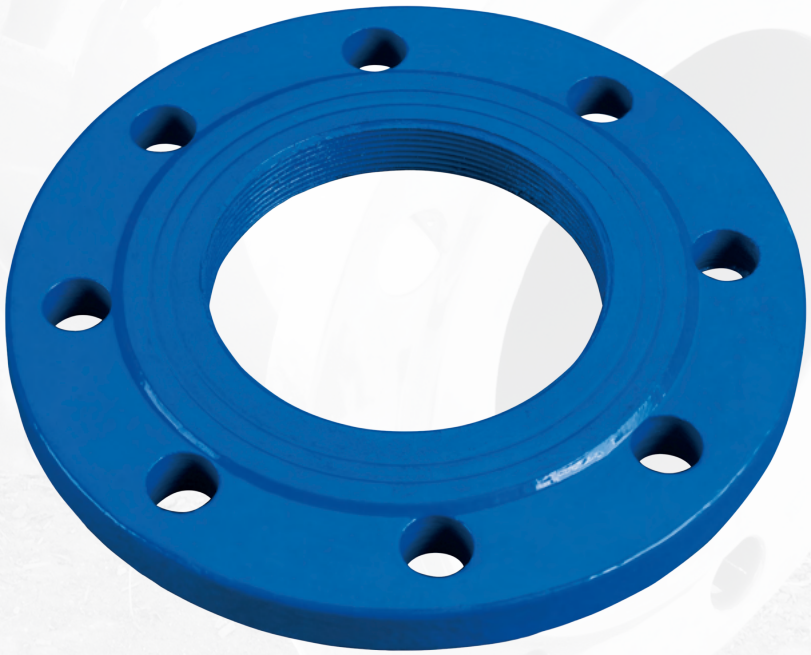
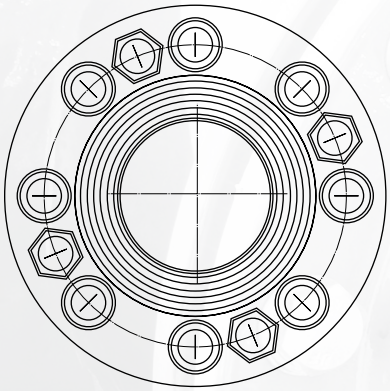
Threaded flange XG PN 10

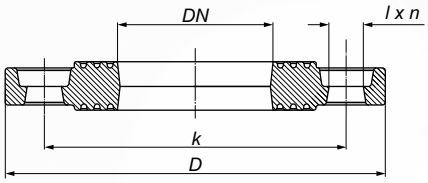


Threaded flange XG ductile iron PN 10/16



Adaptive flange FKA 4/8 PN 10



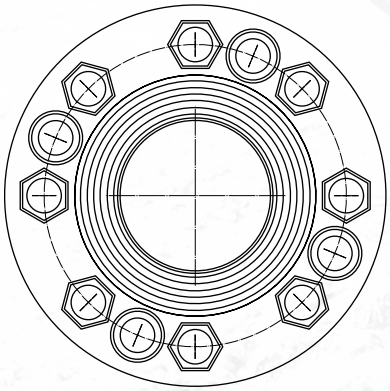


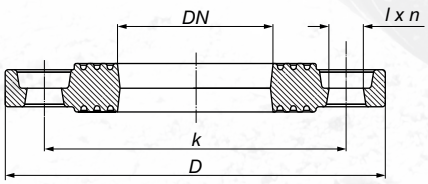
Coating: bitumen paint,
poliester paint min. 250 µm
Material: cast iron EN-GJL-250, PN-EN 1561:2012
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0 MPa; PN 10

It is used to install supply fittings in a situation of incompatible number of holes on the connected flanges DN 80.

DN	K	D	l	n	Weight
80	160	200	18	4/8	3,00

Adaptive flange FKA 4/8 ductile iron PN 10/16





Coating: poliester paint min. 250 µm
Material: ductile iron, EN-GJS-500-7, PN-EN 1563:2018
Flange connection: PN-EN 1092-2:1999
Nominal pressure: 1,0/1,6 MPa; PN 10/16

It is used to install supply fittings in a situation of incompatible number of holes on the connected flanges DN 80.

DN	K	D	l	n	Weight
80	160	200	18	4/8	3,00

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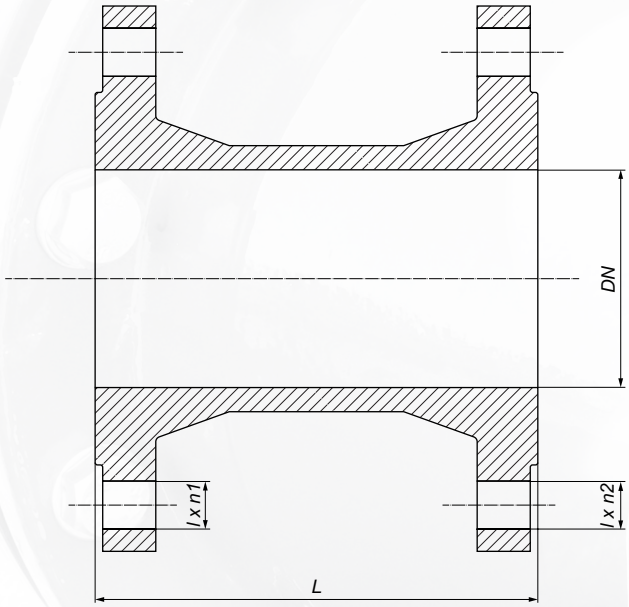
Adaptive flange FKA 4/8 PN 10

Adaptive flange FKA 4/8 ductile iron PN 10/16

Adaptive flange FFA PN 10/PN 16



It is used to install supply fittings in a situation of incompatible number of holes on the connected flanges.

Coating: bitumen paint, poliester paint min. 250 µm
** Material: cast iron EN-GJL-250, PN-EN 1561:2012*
*** Material: ductile iron EN-GJS-500-7, PN-EN 1563:2018*
Nominal pressure: 1,0/1,6 MPa; PN 10/16

DN	L	Number of holes	l x n1	l x n2	Weight
80*	100	4/8	18 x 4	18 x 8	8,20
100*	200	4/8	18 x 4	18 x 8	13,00
200**	200	8/12	22 x 8	22 x 12	25,00

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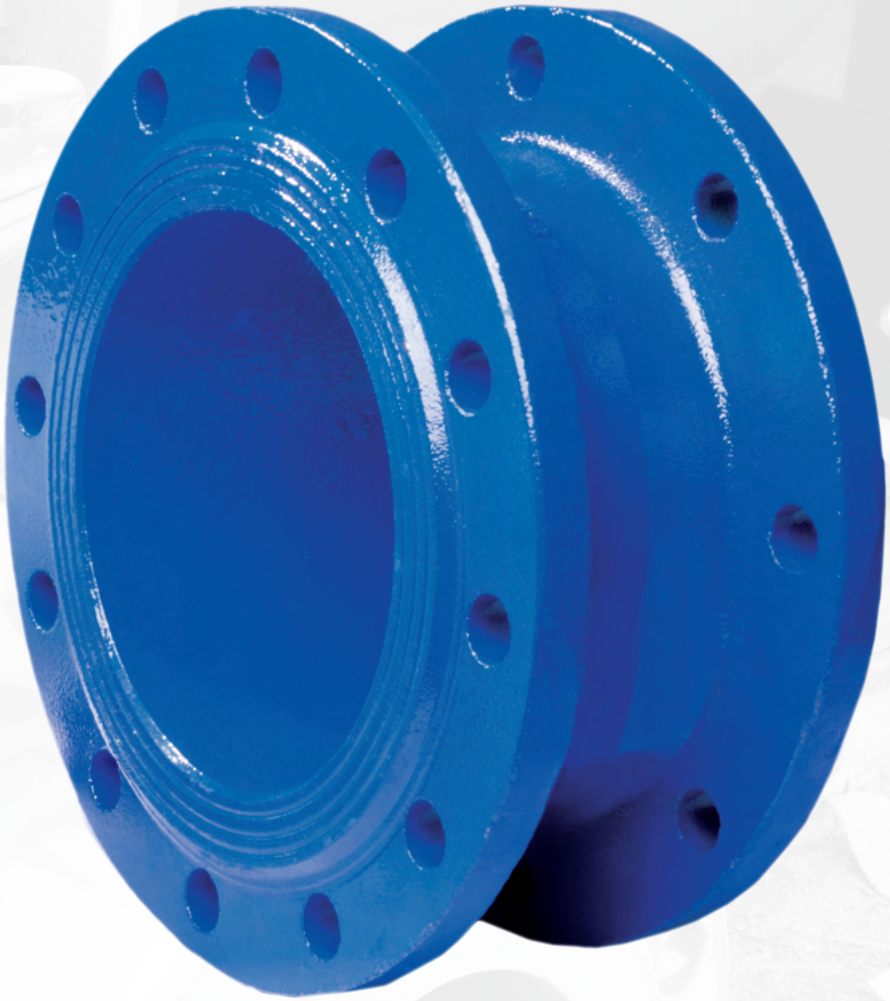
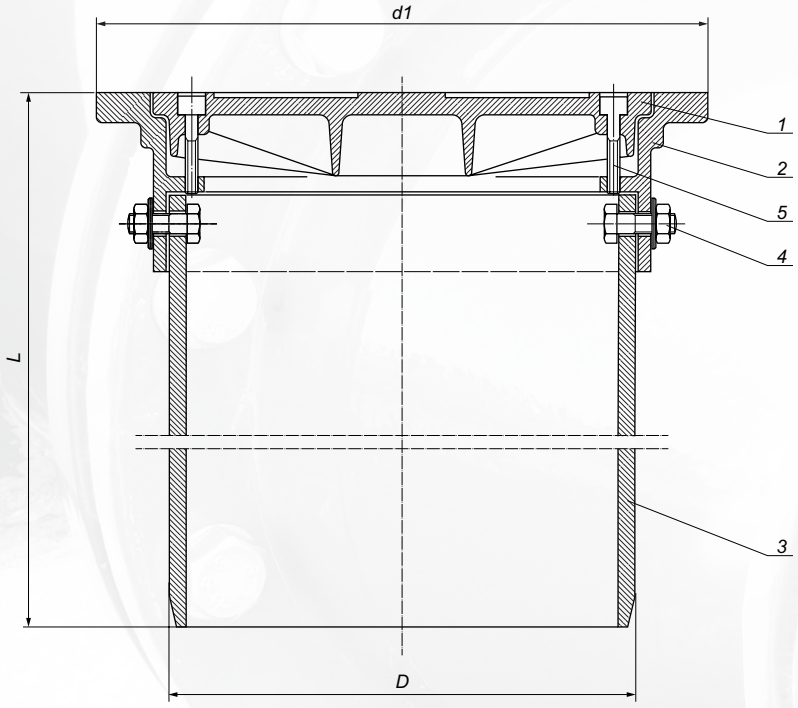
Adaptive flange FFA PN 10/PN 16



Telescope 160 with cover and grate



No.	Description	Material
1.	Lid	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 160
4.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

No. 1., 2. bitumen paint.
Material: cast iron EN-GJL-250, PN-EN 1561:2012

It is used as a top of inspection chamber size 160/200. Based on a smooth pipe Dn 160 and connected to the rising smooth pipe Dn 200 by the MW 160/200 rubber adaptor.

Lid type	Load	Class	D	L	d1	Weight
Cover	1,5 T	A 15	160	500	250	8,00
	40 T	D 400	160	500	250	19,00
Grate	1,5 T	A 15	160	500	250	7,80

Norm: PN-EN 124-2

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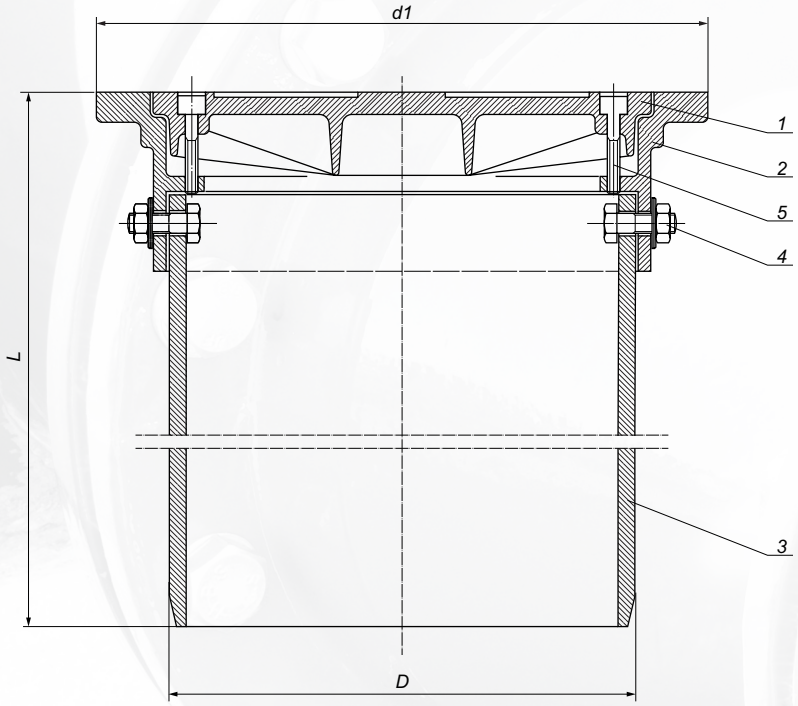
Telescope 160 with cover and grate

Telescope 250 with cover and grate



No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 250
4.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
No. 1., 2. bitumen paint.

It is used as a top of inspection chamber size 250/315. Based on a smooth pipe Dn 250 and connected to the rising smooth pipe Dn 315 by the TW 250/315 rubber adaptor.

Lid type	Load	Class	D	L	d1	Weight
Cover	1,5 T	A 15	250	500	320	12,80
	12,5 T	B 125	250	500	320	15,20
	40 T*	D 400	250	500	320	16,20
Grate	1,5 T	A 15	250	500	320	12,60
	12,5 T	B 125	250	500	320	15,00
	40 T*	D 400	250	500	320	16,00

Norm: PN-EN 124-2

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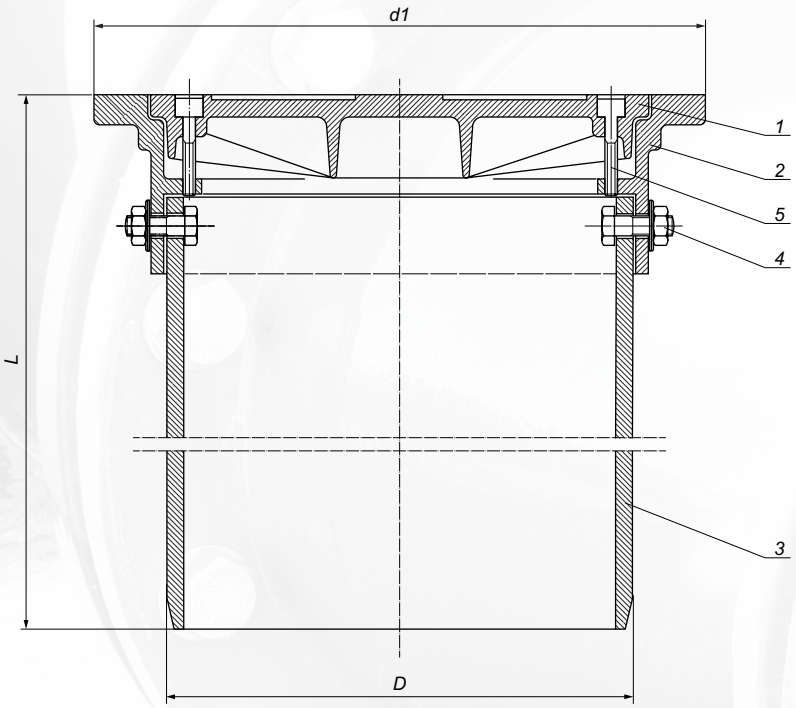
Telescope 250 with cover and grate

Telescope 290 with cover and grate



It is used as a top of inspection chamber size 315, 400 and 425.
The telescope is mounted on a rising pipe:
corrugated 315, smooth 400, corrugated 425
by the rubber adaptors:
MOW 290/315, MGW 290/400, MFW 290/425.

No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 290
4.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

Lid type	Load	Class	D	L	d1	Weight
Cover	1,5 T	A 15	290	500	355	16,00
	12,5 T	B 125	290	500	355	23,00
	25 T*	C 250	290	500	355	24,00
	40 T*	D 400	290	500	355	24,00
Grate	1,5 T	A 15	290	500	355	15,50
	12,5 T	B 125	290	500	355	22,50
	25 T*	C 250	290	500	355	23,50
	40 T*	D 400	290	500	355	23,50

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** C 250, D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
No. 1., 2. bitumen paint.

Norm: PN-EN 124-2

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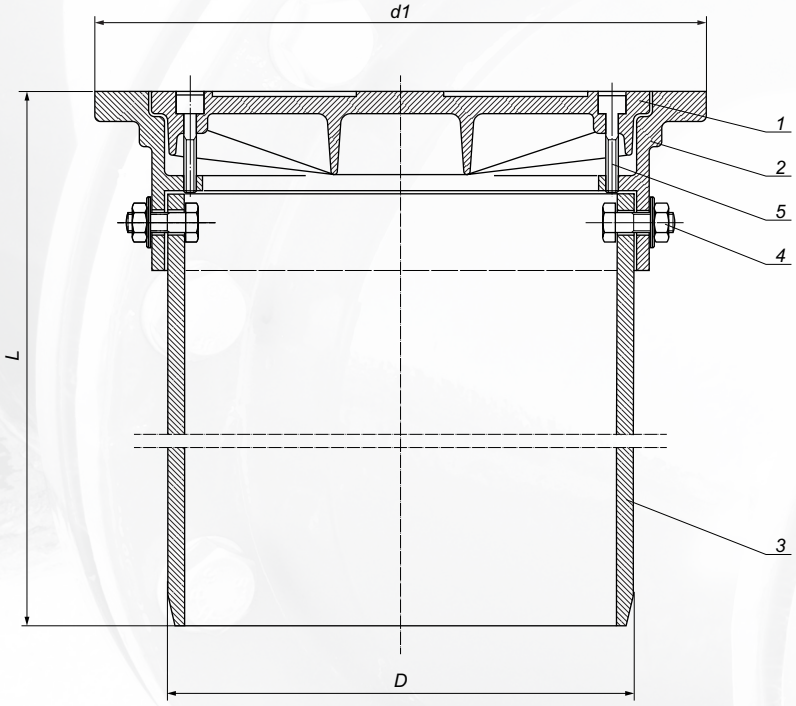
Telescope 290 with cover and grate

Telescope 315 with cover and grate



It is used as a top of inspection chamber size 315, 400 and 425.
The telescope is mounted on a rising pipe:
corrugated 315, smooth 400, corrugated 400, corrugated 425 OD and ID by the rubber adaptors:
OW 315/315, GW 315/400, DW 315/400, WK 315/400, ZW 315/425, ZWN 315/425.

No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 315
4.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** C 250, D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
No. 1., 2. bitumen paint.

Rodzaj	Obciążenie	Klasa	D	L	d1	Weight
Właz	1,5 T	A 15	315	500	355	16,00
	12,5 T	B 125	315	500	355	23,00
	25 T*	C 250	315	500	355	24,00
	40 T*	D 400	315	500	355	24,00
Wpust	1,5 T	A 15	315	500	355	15,50
	12,5 T	B 125	315	500	355	22,50
	25 T*	C 250	315	500	355	23,50
	40 T*	D 400	315	500	355	23,50

Different lenght can be made according to the order.
B 125, C 250, D 400 class available also with round body.
Norm: PN-EN 124-2

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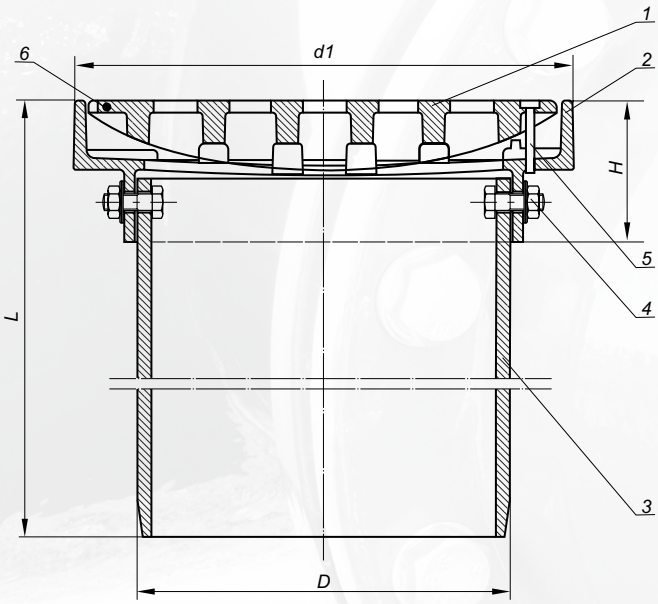
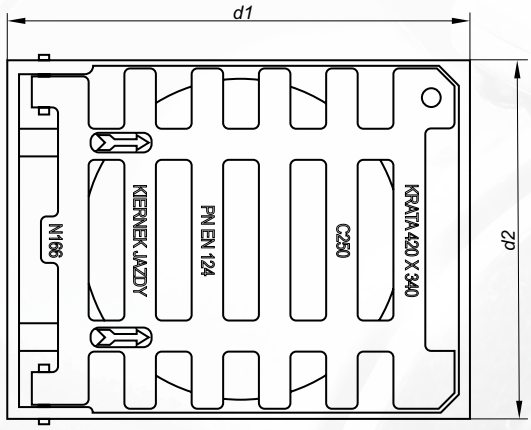
Telescope 315 with cover and grate

Telescope 315 with grate BK 166





No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 315
4.	Screw, pad, nut	Galvanized steel 8.8 class/ Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2
6.	Hinge	Galvanized steel 8.8 class/ Stainless steel A2

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
No. 1., 2. bitumen paint.

It is used as a top of inspection chamber size 315, 400 and 425. The telescope is mounted on a 315 corrugated rising pipe, smooth 400, corrugated 400, corrugated 425 OD and ID by the rubber adaptors: OW 315/315, GW 315/400, DW 315/400, WK 315/400, ZW 315/425, ZWN 315/425. Hinged groove to open the grille to an angle of 100°.

Load	Class	D	L	d1	d2	H	Weight
25 T	C 250	315	550	420	340	112	34,80
40 T*	D 400	315	550	420	340	112	34,90

Different lenght can be made according to the order.
Norm: PN-EN 124-2

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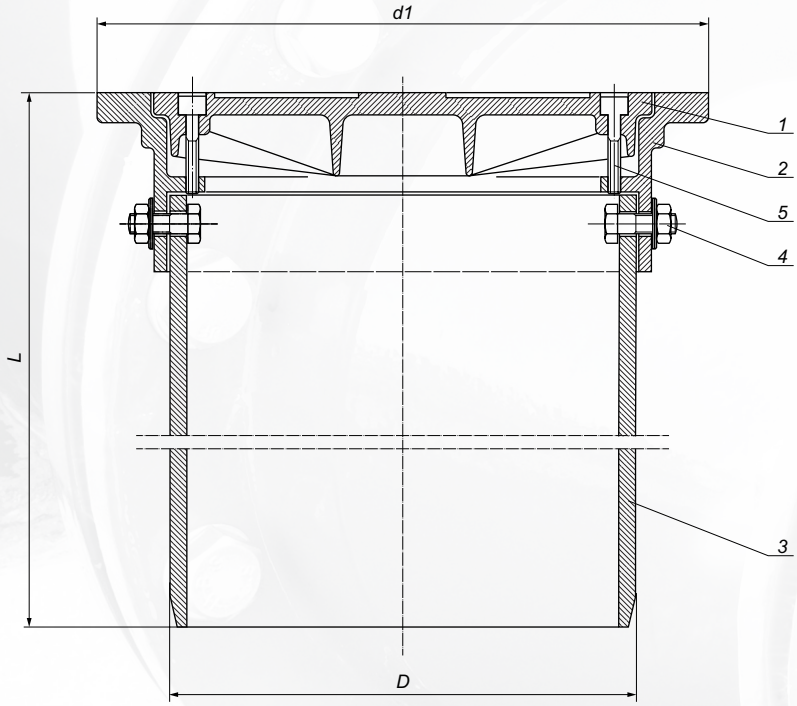
Telescope 315 with grate BK 166

Telescope 425 with cover and grate



It is used as a top of inspection chamber size 425.
The telescope is mounted on a corrugated rising pipe 425 OD and ID,
by the rubber adaptors: KW 400/425, KWN 400/425 and WW 400/425

No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Pipe	PVC 396
4.	Screw, pad, nut	Galvanized steel 8.8 class/Stainless steel A2
5.	Allen screw	Galvanized steel 8.8 class/Stainless steel A2

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** C 250, D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
No. 1., 2. bitumen paint.
Norm: PN-EN 124-2

Lid type	Load	Class	D	L	d1	Weight
Cover	1,5 T ##	A 15	396	500	500	30,00
	12,5 T ##	B 125	396	500	500	38,00
	25 T#	C 250	396	500	500	40,00
	40 T#	D 400	396	500	500	40,00
Grate	1,5 T ##	A 15	396	500	500	29,50
	12,5 T ##	B 125	396	500	500	37,50
	25 T#	C 250	396	500	500	39,50
	40 T#	D 400	396	500	500	39,50

 # available only in round version
in class A and B available also in size d1 Ø 460

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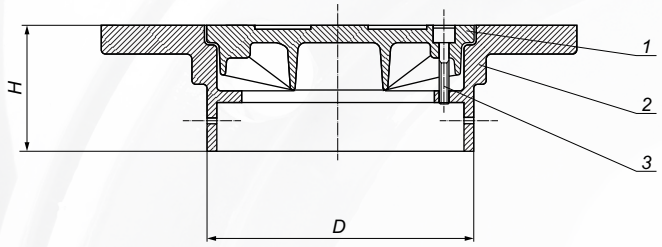
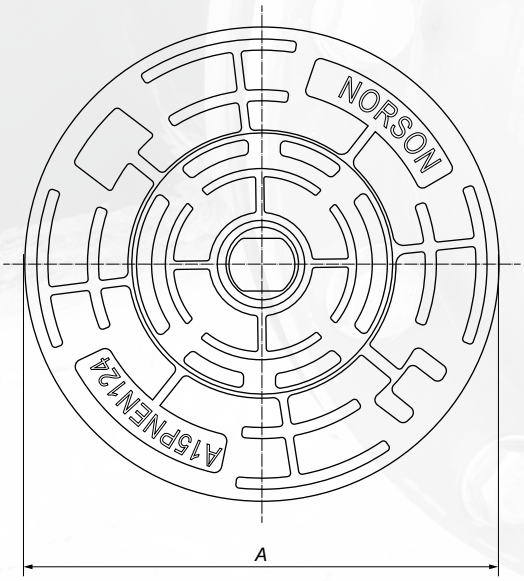
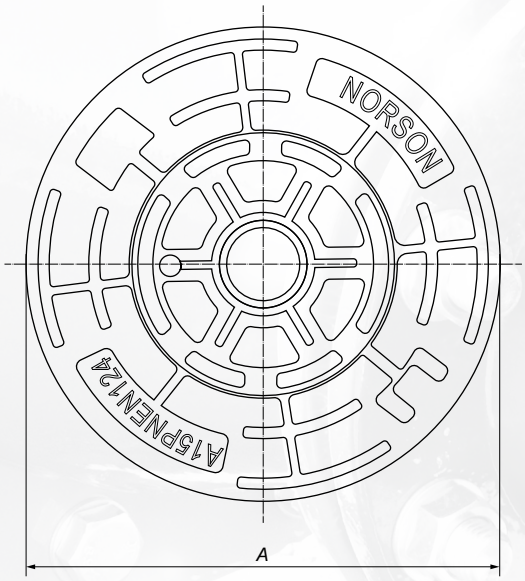
Telescope 425 with cover and grate

Cover and grate for 160 pipe







No.	Description	Material
1.	Lid	EN-GJL-250
2.	Body	EN-GJL-250
3.	Screw	Galvanized steel 8.8 class/ Stainless steel A2

Lid type	Load	Class	A	D	H	Weight
Cover	1,5 T	A 15	245	150	60	7,00
	40 T	D 400	245	150	90	18,00
Grate	1,5 T	A 15	245	150	60	6,80

Norm: PN-EN 124-2

Coating: bitumen paint.
Material: cast iron EN-GJL-250, PN-EN 1561:2012

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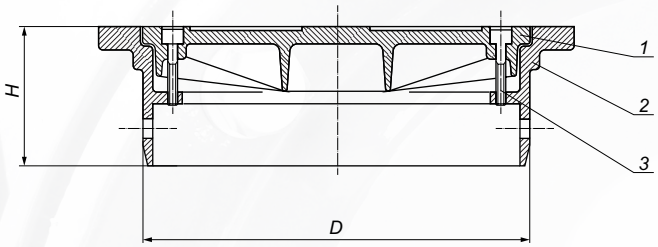
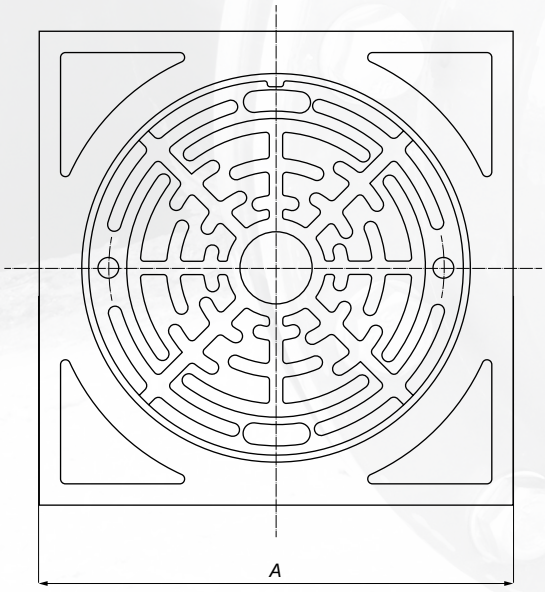
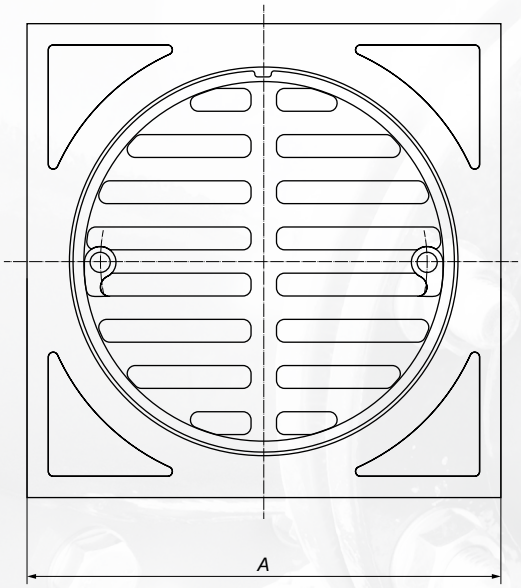
Cover and grate for 160 pipe

Cover and grate for 250 pipe







No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

Lid type	Load	Class	A	D	H	Weight
Cover	1,5 T	A 15	320	236	80	9,80
	12,5 T	B 125	320	236	80	12,20
	40 T*	D 400	320	236	80	13,10
Grate	1,5 T	A 15	320	236	80	9,60
	12,5 T	B 125	320	236	80	12,00
	40T*	D 400	320	236	80	13,00

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018*
Coating: bitumen paint.

Norm: PN-EN 124-2

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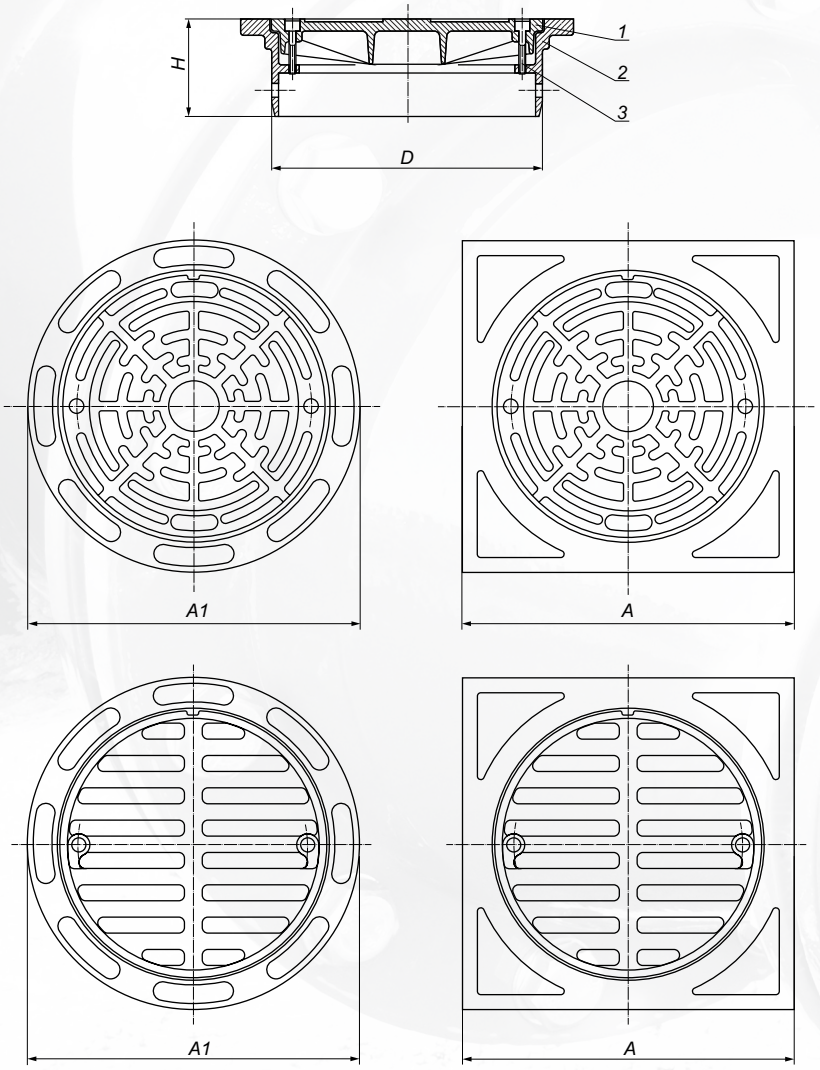
Cover and grate for 250 pipe

Cover and grate for 315 pipe



No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

** C 250, D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
B 125, C 250, D 400 class available with round body.
Coating: bitumen paint.

Lid type	Load	Class	A1	A	D	H	Weight
Cover	1,5 T	A 15	-	355	300	60	11,50
	12,5 T	B 125	370/410	355	300	90	18,00
	25 T	C 250	370/410	355	300	90	19,00
	40 T	D 400	370/410	355	300	90	19,00
Grate	1,5 T	A 15	-	355	300	60	11,00
	12,5 T	B 125	370/410	355	300	90	17,50
	25 T	C 250	370/410	355	300	90	18,50
	40 T	D 400	370/410	355	300	90	18,50

Norm: PN-EN 124-2

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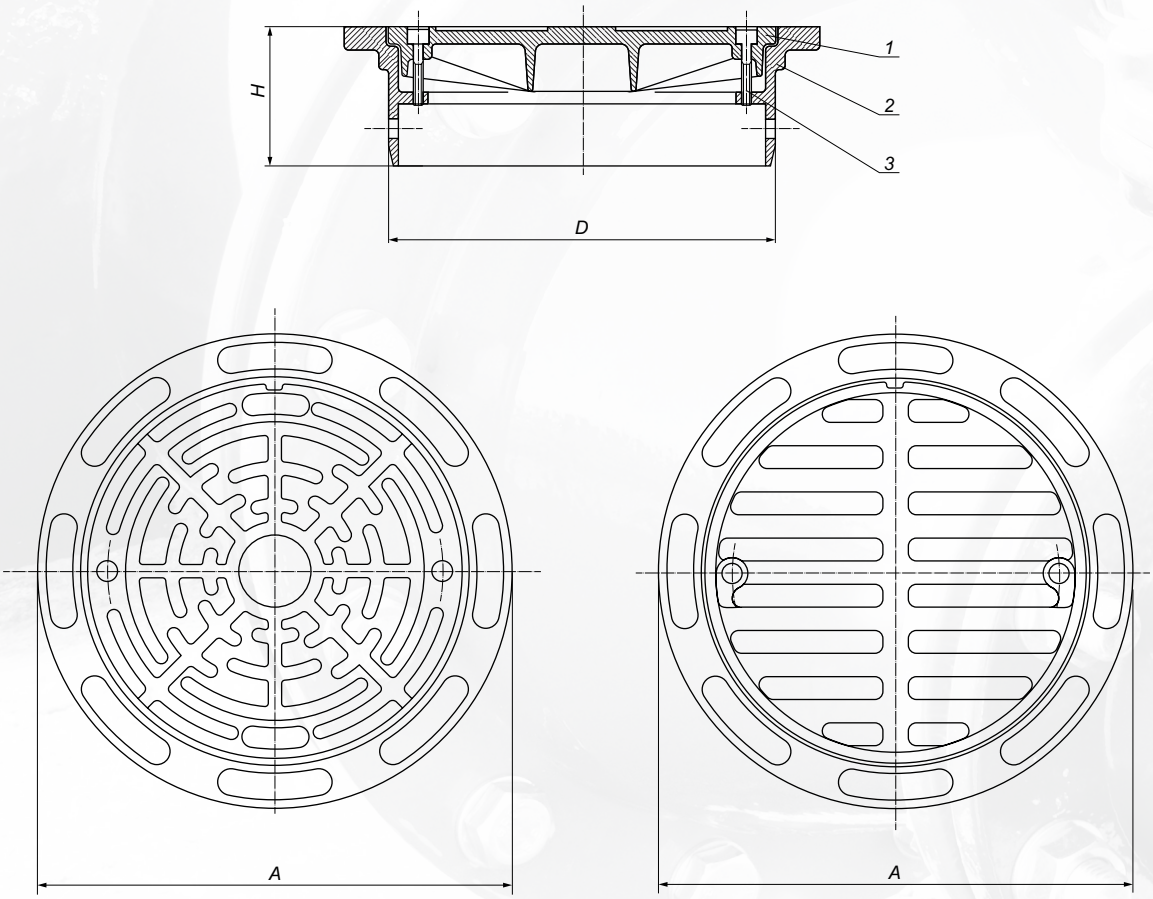
Cover and grate for 315 pipe

Cover and grate for 425 pipe



No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250
3.	Allen screw	Ocynk klasa 8.8/ stal nierdzewna A2

Lid type	Load	Class	A	D	H	Weight
Cover	1,5 T	A 15	500	416	100	23,00
	12,5 T	B 125				31,00
	25 T	C 250				33,00
	40 T	D 400				33,00
Grate	1,5 T	A 15	500	416	100	22,50
	12,5 T	B 125				30,50
	25 T	C 250				32,50
		D 400				32,50

** C 250, D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018.*
Coating: bitumen paint.

Norm: PN-EN 124-2

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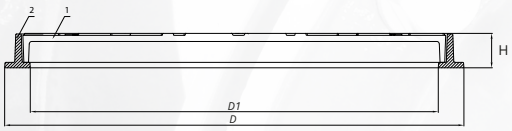
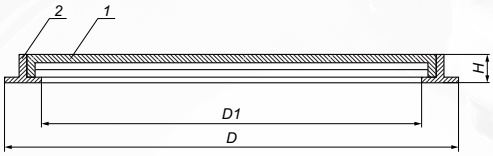
Cover and grate for 425 pipe

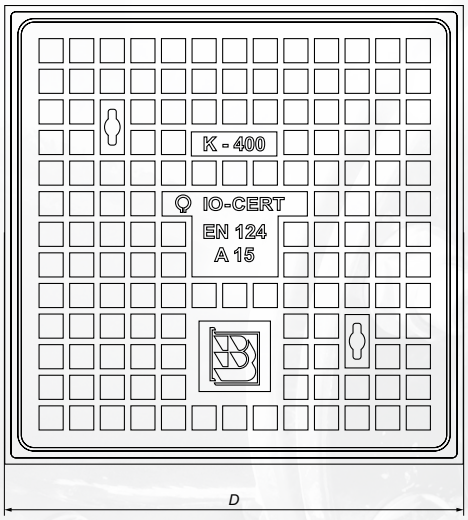
Cover AO 400, AO 500, AO 600, BOS 600 and AK 400, AK 500, AK 600

AO, BOS type



AK type





No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250

Coating: bitumen paint

Type	Load	Class	D	D1	H	Weight
AO 400	1,5 T	A 15	480	400	50	20,00
AO 500	1,5 T	A 15	580	500	50	25,00
AO 600	1,5 T	A 15	660	600	50	28,00
BOS 600*	12,5 T	B 125	660	600	50	32,00

** B 125 class - ductile iron EN-GJS-500-7*

Norm: PN-EN 124-2

Type	Load	Class	D	D1	H	Weight
AK 400	1,5 T	A 15	480	400	50	29,00
AK 500	1,5 T	A 15	580	500	50	38,00
AK 600	1,5 T	A 15	660	600	50	55,00

Norm: PN-EN 124-2

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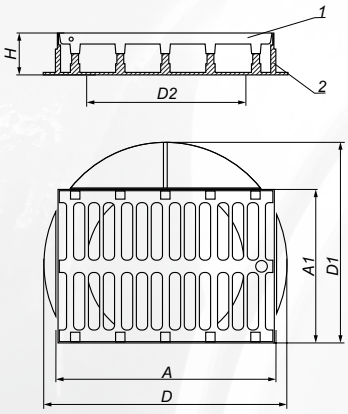
Cover AO 400, AO 500, AO 600, BOS 600 and AK 400, AK 500, AK 600

Street grate

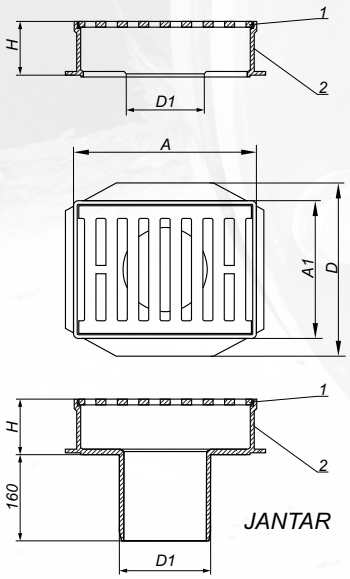


Grate BK 67

No.	Description	Material
1.	Lid	EN-GJL-250/ EN-GJS-500-7
2.	Body	EN-GJL-250/ EN-GJS-500-7

Load	Class	A	A1	D	D1	D2	H	Weight
25 T	C 250	620	428	696	562	452	115	60,00/47,00
40 T*	D 400	620	428	696	562	452	115	61,00/47,50

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018*
Coating: bitumen paint
Norm: PN-EN 124-2

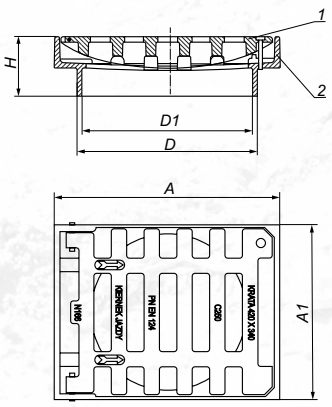


Grate BK 71

No.	Description	Material
1.	Lid	EN-GJL-250
2.	Body	EN-GJL-250

Load	Class	A	A1	D	D1	H	Weight
1,5 T	A 15	320	225	255	150	80	19,00
1,5 T JANTAR	A 15	320	225	255	160	80	21,00

Material: cast iron EN-GJL-250, PN-EN 1561:2012
Coating: bitumen paint
Norm: PN-EN 124-2



Grate BK 166

No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250

Load	Class	A	A1	D	D1	H	Weight
25 T	C 250	420	340	333	315	112	29,80
40 T*	D 400	420	340	333	315	112	29,90

Material: cast iron EN-GJL-250, PN-EN 1561:2012
** D 400 class - ductile iron EN-GJS-500-7, PN-EN 1563:2018*
Coating: bitumen paint
Norm: PN-EN 124-2

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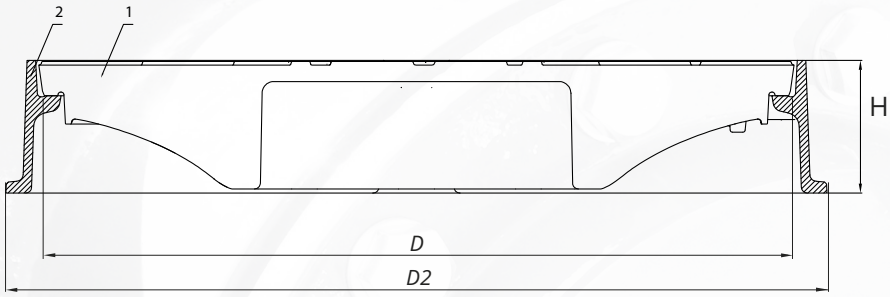
Grate BK 67

Grate BK 71

Grate BK 71 – JANTAR type

Grate BK 166

Round manhole cover DN 600 B, D class



No.	Description	Material
1.	Lid*	EN-GJL-250
2.	Body	EN-GJL-250

Type	Load	Class	D	D2/D1	H	Weight
SBO 600*	12,5 T	B 125	640	700/750	80/115	42,00/48,00
DO 600	40T	D 400	640	700/750	115/150	80,00/88,00

** B 125 class - ductile iron EN-GJS-500-7*

Norm: PN-EN 124-2

Manhole cover has positioners, which protect against lid rotation and ejection from the body. D class is also available with the bolt.

Coating option: bitumen paint

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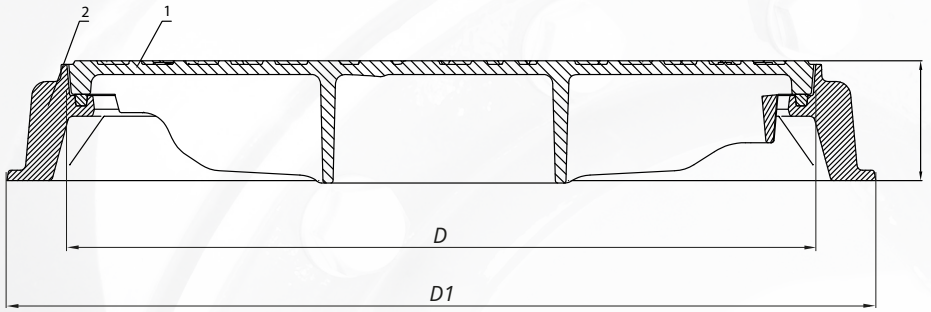
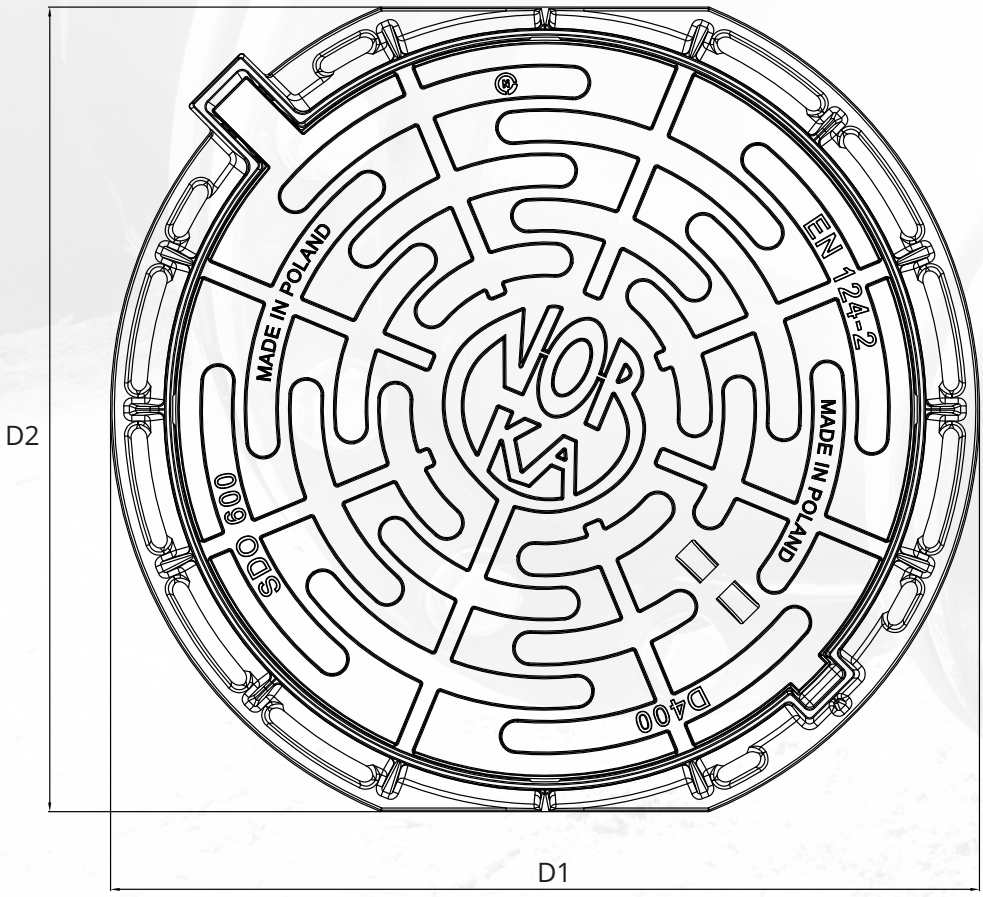
Round manhole cover DN 600 B, D class

Round manhole cover DN 600
D class (ductile iron) SDO





No.	Description	Material
1.	Lid	EN-GJS-500-7
2.	Body	EN-GJS-500-7

Construction has hinge and latch.
Coating option: bitumen paint

Type	Load	Class	D	D2/D1	H	Weight
SDO 600	40T	D 400	640	750/700	100	56,00

Norm: PN-EN 124-2

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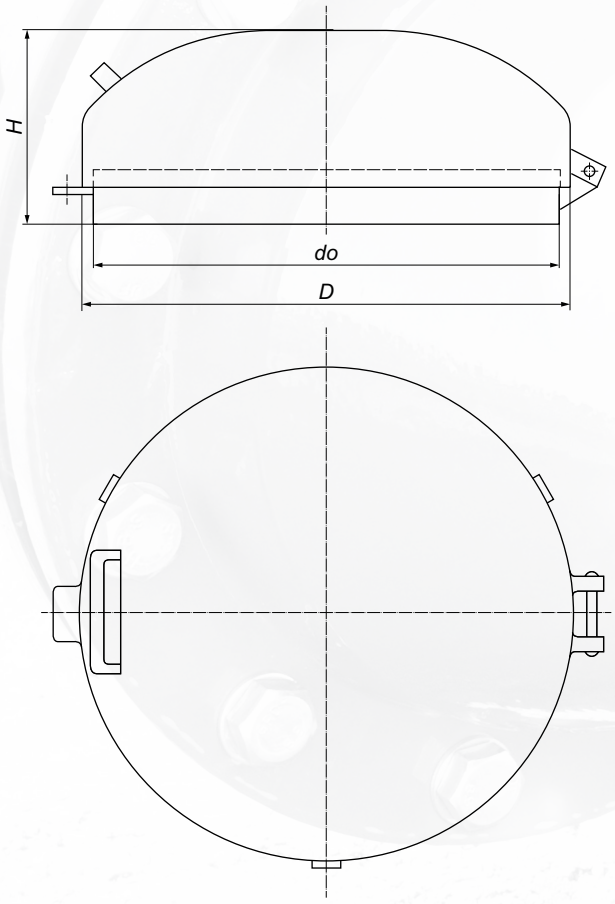
Round manhole cover DN 600
D class (ductile iron) SDO

Steel cover 600



It is used as a top of chambers.
Equipped with additional lock system.

Coating: bitumen paint
Material: steel St 2

H	do	D	H	Weight
240	580	610	120	14,00

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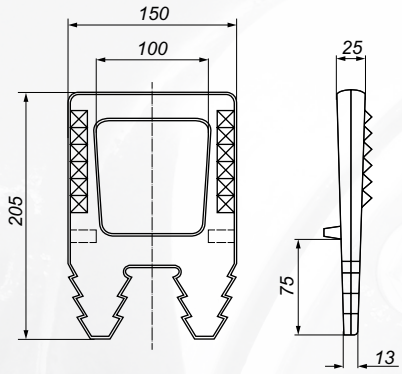
Steel cover 600

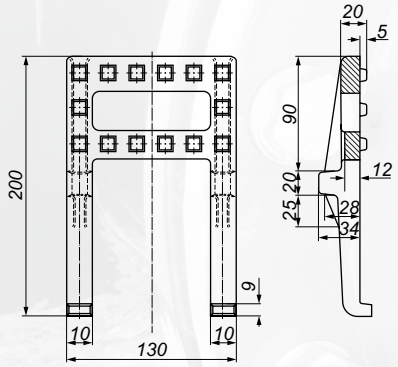
Chamber step



Chamber step 1211 for hammering

Coating: bitumen paint
Materiał: cast iron EN-GJL-250, PN-EN 1561:2012
Weight: 2,00 kg

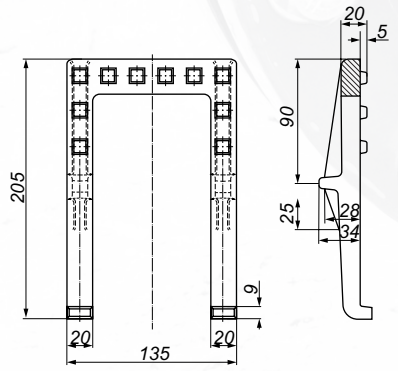
Norm: PN-EN 13101



Chamber step medium for embedding

Coating: bitumen paint
Materiał: cast iron EN-GJL-250, PN-EN 1561:2012
Weight: 1,60 kg

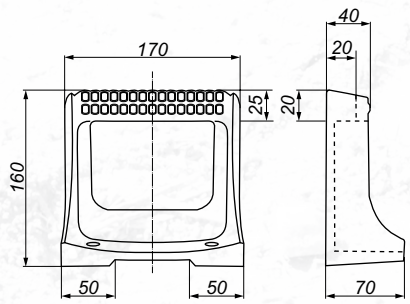
Norm: PN-EN 13101



Chamber step (ductile iron) for embedding

Coating: bitumen paint
Material: ductile iron EN-GJS-500-7, PN-EN 1563:2012
Weight: 1,50 kg

Norm: PN-EN 13101



Chamber step 1212G for screwing

Coating: bitumen paint
Materiał: cast iron EN-GJL-250, PN-EN 1561:2012
Weight: 2,60 kg

Norm: PN-EN 13101

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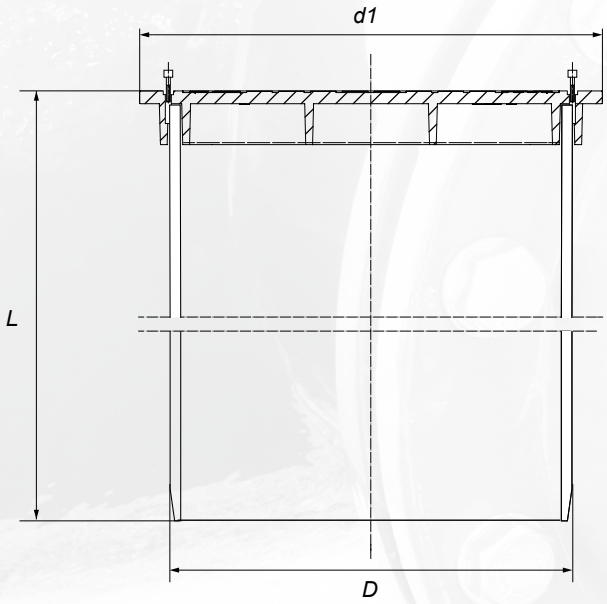
Chamber step 1211
for hammering

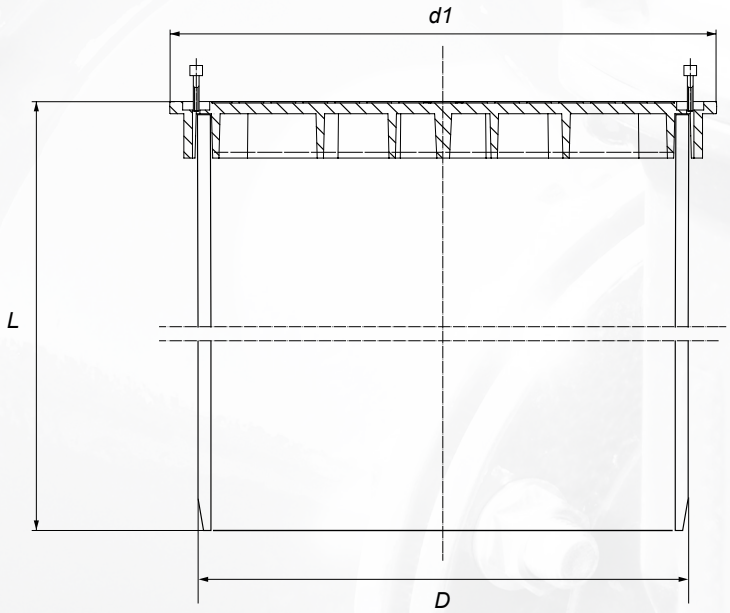
Chamber step medium
for embedding

Chamber step (ductile iron)
for embedding

Chamber step 1212G
for screwing

Telescope 315 and 425 with PP cover





Is used as a top part of inspection chamber 315 and 425 in places intended only for pedestrian and bicycle traffic.

No.	Description	Material
1.	Lid	polipropylen (PP)
2.	Pipe	PVC 315 i 396
3.	Allen screw	Galvanized steel 8.8 class/ Stainless steel A2

Type	Telescopic pipe	Load	Class	D	L	d1	Weight
TPG	smooth pipe 315	1,5 T	A 15	315	500	360	6,00
TPGW	smooth pipe 400	1,5 T	A 15	396	500	445	7,50

Norm: PN-EN 124-2

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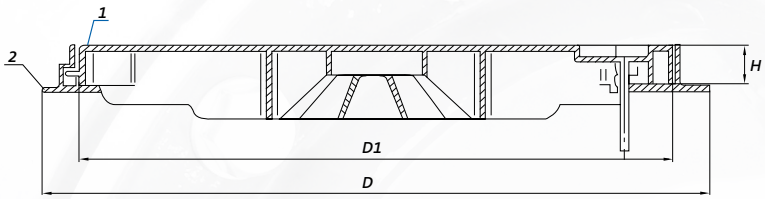
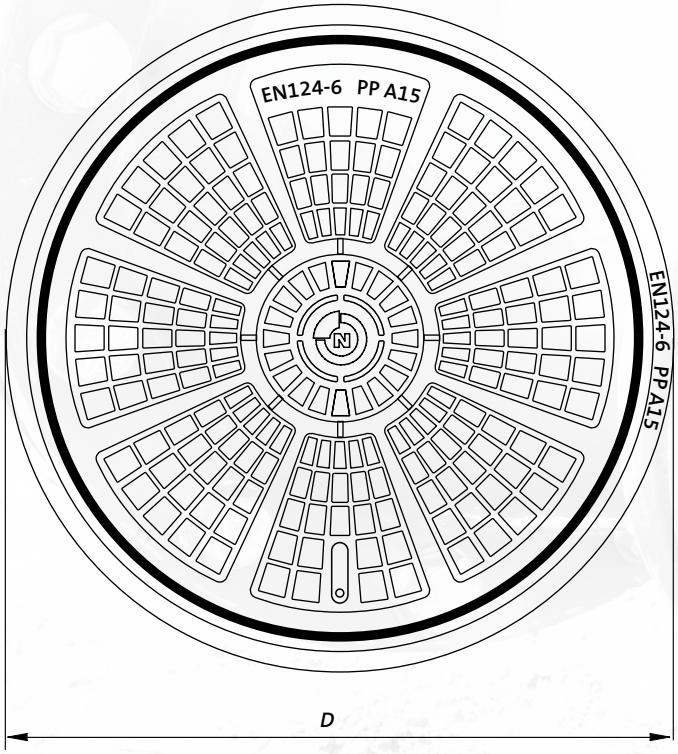
Telescope 315 and 425 with PP cover

Telescope 425 with PP cover

Telescope 315 with PP cover

PPAO cover DN 600





PP cover is used as a top part of inspection chamber in places intended only for pedestrian and bicycle traffic.

No.	Description	Material
1.	Lid	polipropylen PP
2.	Body	polipropylen PP

The cover is screwed on and secured with bolts with the body.

Type	Load	Class	D	D1	H	Waga
PPAO 600	1,5 T	A 15	700	628	50	5,00

Norm: PN-EN 124-6

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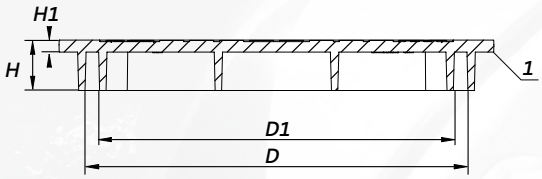
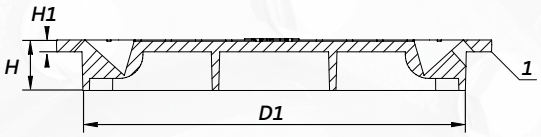
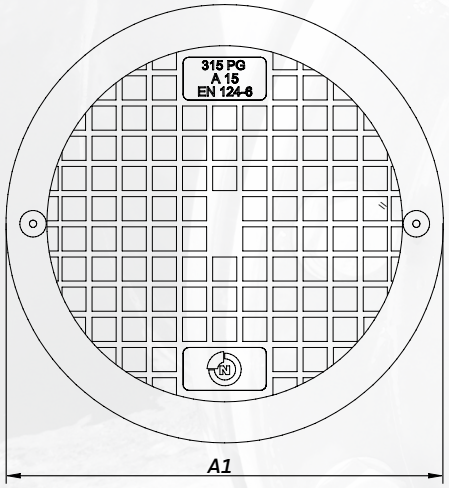
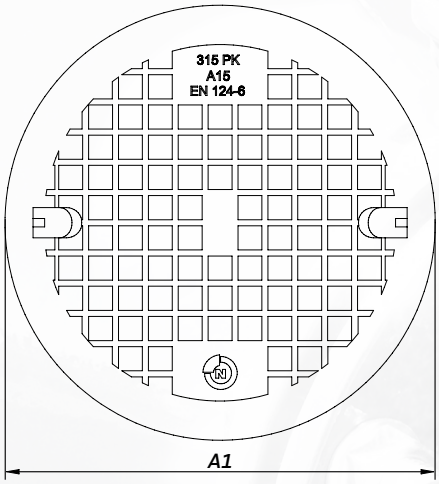
PPAO cover DN 600

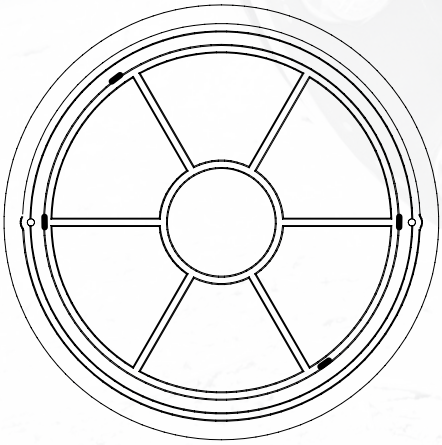
PP cover for smooth and corrugated 315 pipe

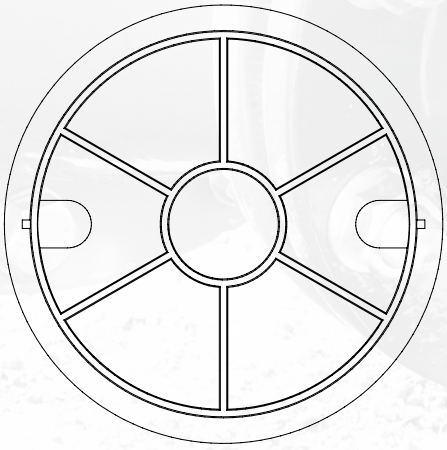












PP cover is used as a top part of inspection chamber in places intended only for pedestrian and bicycle traffic.

No.	Description	Material
1.	Body	PP

The cover can be attached to a smooth or corrugated pipe DN315 with the screws.

Type	Load	Class	A1	D	D1	H	H1	Weight
Smooth 315 pipe	1,5 T	A 15	360	316	296	42	10	1,40
Corrugated 315 pipe	1,5 T	A 15	360	–	316	42	10	1,30

Norm: PN-EN 124-6

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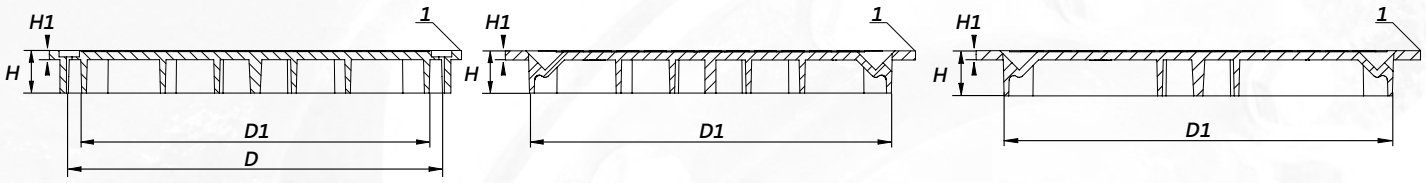
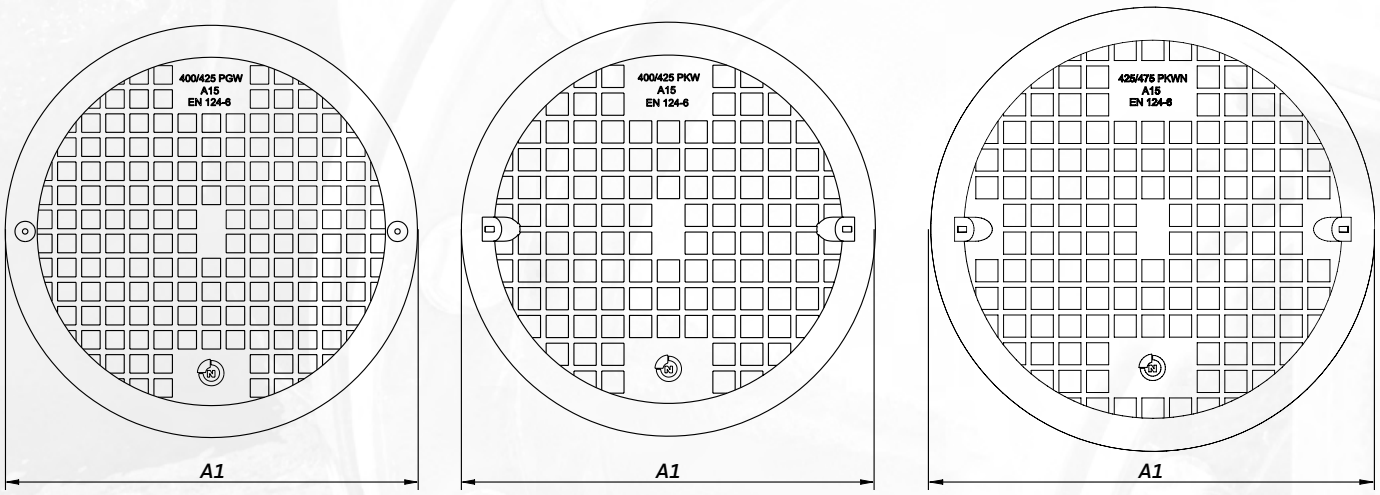
PP cover for smooth and corrugated 315 pipe

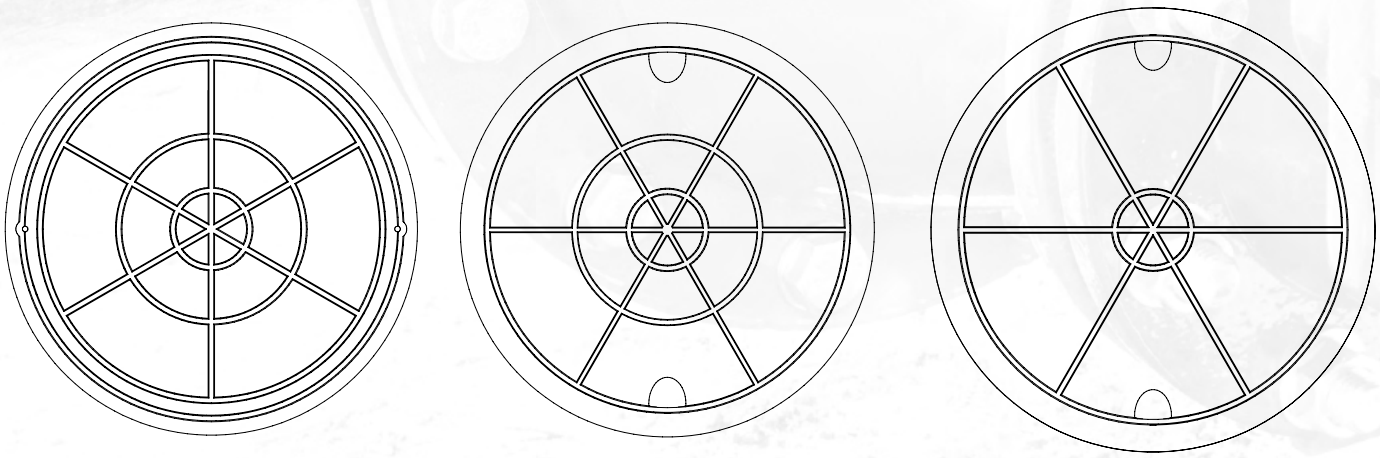
Smooth 315 pipe

Corrugated 315 pipe

PP cover for smooth and corrugated 400 pipe and corrugated 425 pipe







PP cover is used as a top part of inspection chamber in places intended only for pedestrian and bicycle traffic.

No.	Description	Material
1.	Body	PP

The cover can be attached to a smooth or corrugated pipe DN400, DN425 with the screws.

Type	Load	Class	A1	D	D1	H	H1	Weight
Smooth pipe 400	1,5 T	A 15	445	402	376	46	10	2,20
Corrugated pipe 400/425	1,5 T	A 15	445	–	398	46	10	2,00
Corrugated pipe 425/475	1,5 T	A 15	480	–	423	49	10	2,20

Norm: PN-EN 124-6

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PP cover for smooth and corrugated 400 pipe and corrugated 425 pipe

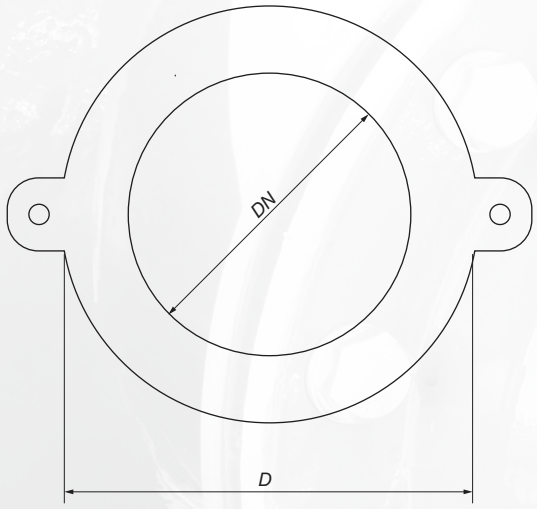
400 smooth

400/425 corrugated

425/475 corrugated

Rubber gaskets for water and sewage systems

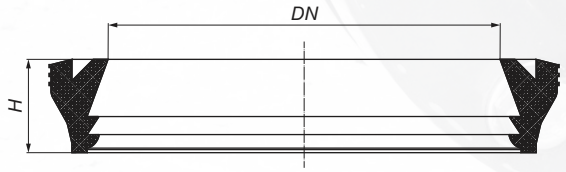
Flat gaskets



No.	DN	D
1.	40	85
2.	50	85
3.	65	115
4.	80	135
5.	100	155
6.	125	175
7.	150	210
8.	200	260
9.	250	300
10.	300	360
11.	400	480
12.	500	570
13.	600	785

Material: EPDM
Norm: PN-EN 681-1:2002
Gaskets with a metal insert on request.

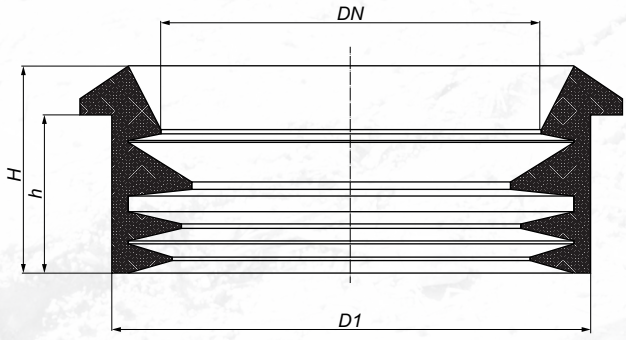
PVC pressure pipe gaskets



No.	DN	H
1.	90	20
2.	110	22
3.	160	26
4.	225	30

Material: EPDM
Norm: PN-EN 681-1:2002

In-situ gaskets



No.	DN	D1	H	h
1.	110	142	65	50
2.	160	190	65	50
3.	200	233	65	50
4.	250	287	65	50
5.	315	351	65	50

Material: EPDM
Norm: PN-EN 681-1:2002

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Rubber gaskets for water and sewage systems

Flat gaskets

PVC pressure pipe gaskets

In-situ gaskets

Gaskets for sewage chambers

No.	Type	Telescopic pipe	Rising pipe	Description	Weight (kg)
1.	MW	160	200 smooth pipe	standard	0,40
2.	TW	250	315 smooth pipe	standard	0,90
3.	MOW	290	315 corrugated pipe	Magnaplast type	1,20
4.	MGW	290	400 smooth pipe	Magnaplast type	2,30
5.	MFW	290	400 corrugated pipe	Magnaplast type	3,50
6.	OW	315	315 corrugated pipe	standard	0,30
7.	GW	315	400 smooth pipe	standard	1,50
8.	DW	315	400 double-walled corrugated	Pipelife type	1,50
9.	WK	315	400 corrugated pipe	Wavin type	1,60
10.	ZW	315	400/455 corrugated pipe	425 OD – outside diameter	2,50
11.	ZWN	315	425/475 corrugated pipe	425 ID – inside diameter	2,70
12.	KW	400	400/455 corrugated pipe	425 OD – outside diameter	1,00
13.	KWN	400	425/475 corrugated pipe	425 ID – inside diameter	1,50
14.	WW	400	425/475 corrugated pipe	425 ID – inside diameter Wavin type	1,60

Material: EPDM
Norm: PN-EN 681-1:2002

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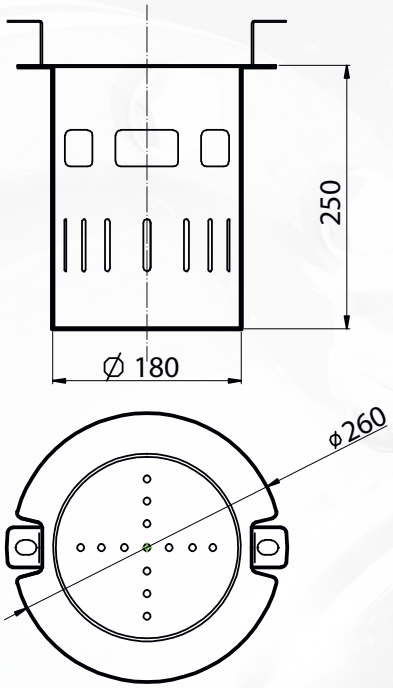
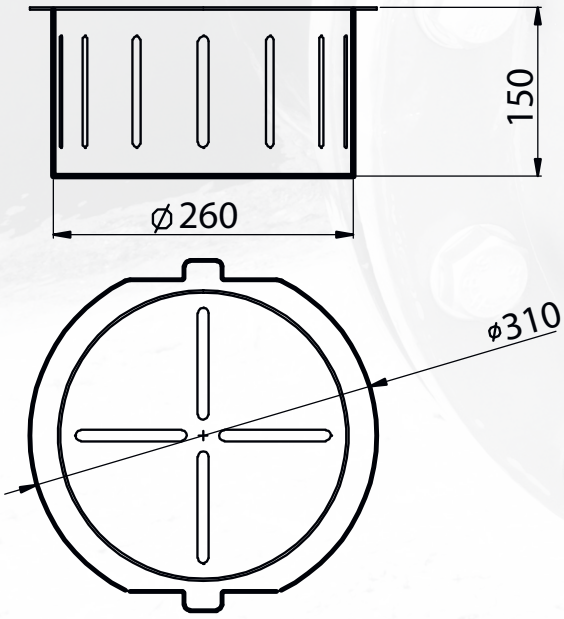
Gaskets for sewage chambers

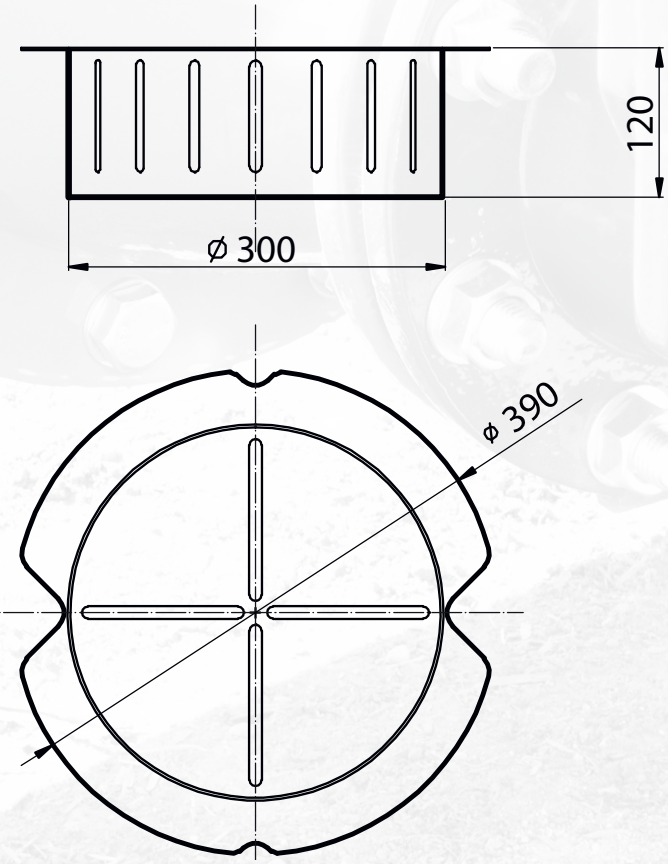
Settling baskets for grates



Basket for grate 315



Basket for grate BK 166



Basket for grate 425 diameter 500

The baskets are made of galvanised steel sheet.

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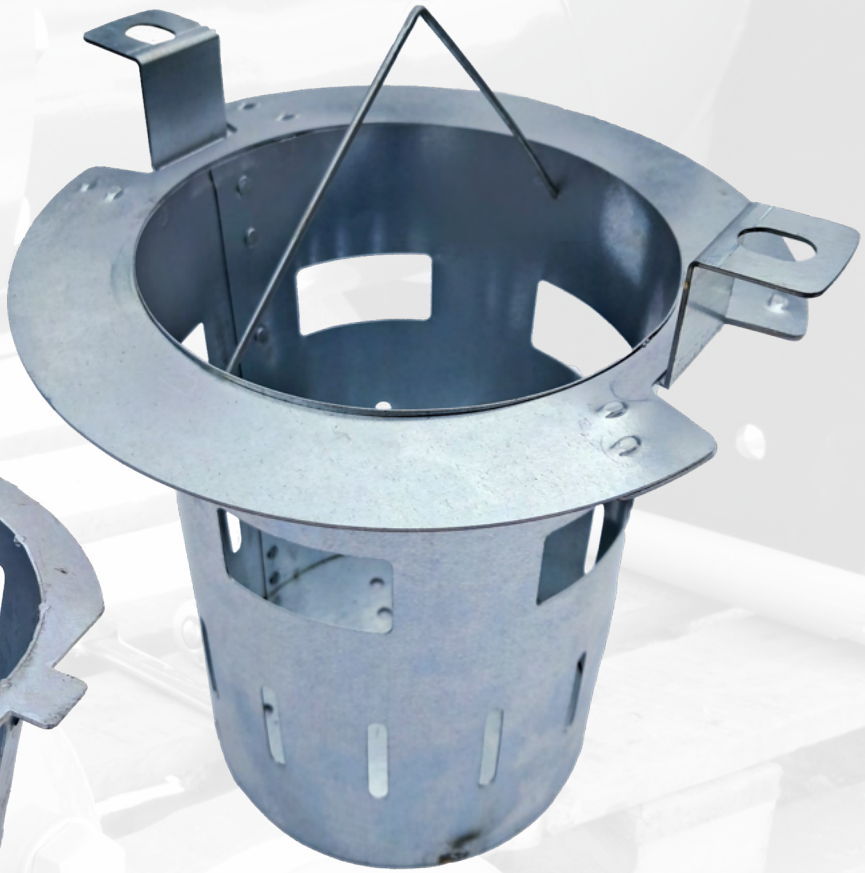
Settling baskets



Basket for grate 315

Basket for grate BK 166

Basket for grate 425 diameter 500

Accessories

1. Warning tapes

No.	Description	Material	Index
1.	Blue tape	Polyethylene	1-414 000 001 00
2.	Blue tape with the inscription WATER		1-414 000 001 01
3.	Brown tape		1-414 000 002 01
4.	Yellow tape		1-414 000 006 01
5.	Blue tape with metal insert	Polyethylene/ Stainless steel	1-414 000 003 00
6.	Blue tape with the inscription WATER and metal insert		1-414 000 003 01
7.	Brown tape with metal insert		1-414 000 004 00
8.	Yellow tape with metal insert		1-414 000 007 00
9.	White-red tape	Polyethylene	1-414 000 005 00

2. Marker plates, posts

No.	Description	Material	Index
1.	Plate „H”	Steel St 2	1-415 000 001 00
2.	Plate „H-100”		1-415 000 001 01
3.	Plate „Z”		1-415 000 002 00
4.	Plate „D”		1-415 000 003 00
5.	Plate „K”		1-415 000 004 00
6.	Plate „GAZ”		1-415 000 008 00
7.	Plate „Z” GAZ		1-415 000 009 00
8.	Plate „O” (air vent)		1-415 000 101 00
9.	Single plate post, blue (DZ-25; H-200)		1-415 000 007 00
10.	Single plate post, yellow (DZ-25; H-200)		1-415 000 007 01
11.	Plate blue ×1		1-415 000 005 00
12.	Plateyellow ×1		1-415 000 005 01
13.	Plate blue ×2		1-415 000 006 00

3. Screw kits (screw, pad, nut)

No.	Description	Material	Index
1.	M 16×70 (4 Pcs.)	Galvanized steel 8.8 class	1-416 004 016 70
2.	M 16×80 (4 Pcs.)		1-416 004 016 80
3.	M 16×90 (4 Pcs.)		1-416 004 016 90
4.	M 16×70 (8 Pcs.)		1-416 000 016 70
5.	M 16×80 (8 Pcs.)		1-416 000 016 80
6.	M 16×90 (8 Pcs.)		1-416 000 016 90
7.	M 20×90 PN 10 (8 Pcs.)		1-416 000 028 90
8.	M 20×90 PN 16 (12 Pcs.)		1-416 000 020 90
9.	M 20×120 PN 10 (8 Pcs.)		1-416 000 020 12
10.	M 20×120 PN 16 (12 Pcs.)		1-416 012 020 12
11.	M 24×120 PN 16 (12 Pcs.)		1-416 012 024 12

4. Sealing kits (gasket, screw, pad, nut)

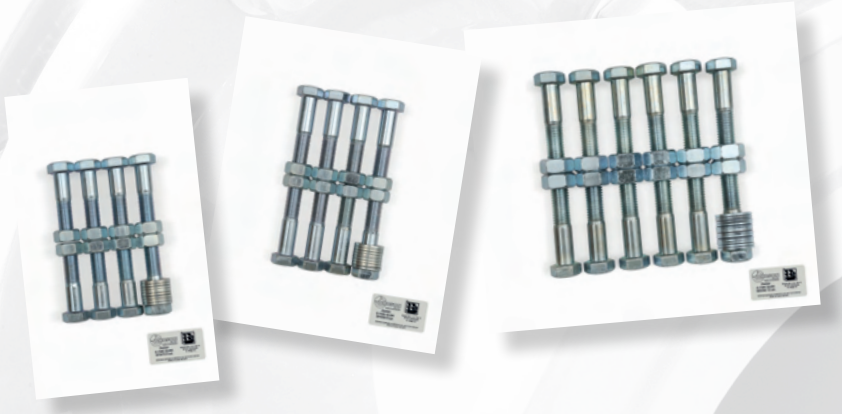
No.	Description		Material	Index
1.	DN 50	M 16/70 (4 Pcs.)	Galvanized steel 8.8 class/ EPDM /NBR	1-417 000 000 50
2.	DN 65	M 16/70 (4 Pcs.)		1-417 000 000 65
3.	DN 80 (4)	M 16/70 (4 Pcs.)		1-417 000 000 84
4.	DN 80 (4)	M 16/90 (4 Pcs.)		1-417 090 000 84
5.	DN 80 (8)	M 16/70 (8 Pcs.)		1-417 000 000 88
6.	DN 80 (8)	M 16/90 (8 Pcs.)		1-417 090 000 88
7.	DN 100	M 16/70 (8 Pcs.)		1-417 000 001 00
8.	DN 100	M 16/90 (8 Pcs.)		1-417 090 001 00
9.	DN 125	M 16/70 (8 Pcs.)		1-417 000 001 25
10.	DN 125	M 16/90 (8 Pcs.)		1-417 090 001 25
11.	DN 150	M 16/70 (8 Pcs.)		1-417 000 001 50
12.	DN 150	M 16/90 (8 Pcs.)		1-417 090 001 50
13.	DN 200 PN 10	M 20/90 (8 Pcs.)		1-417 000 002 08
14.	DN 200 PN 16	M 20/90 (12 Pcs.)		1-417 000 002 12
15.	DN 250 PN10	M 20/90 (12 Pcs.)		1-417 000 002 58
16.	DN 250 PN16	M 24/90 (12 Pcs.)		1-417 000 002 50
17.	DN 300 PN10	M 20/90 (12 Pcs.)		1-417 000 003 08
18.	DN 300 PN16	M 24/90 (12 Pcs.)		1-417 000 003 00

Accessories

1. Warning tapes

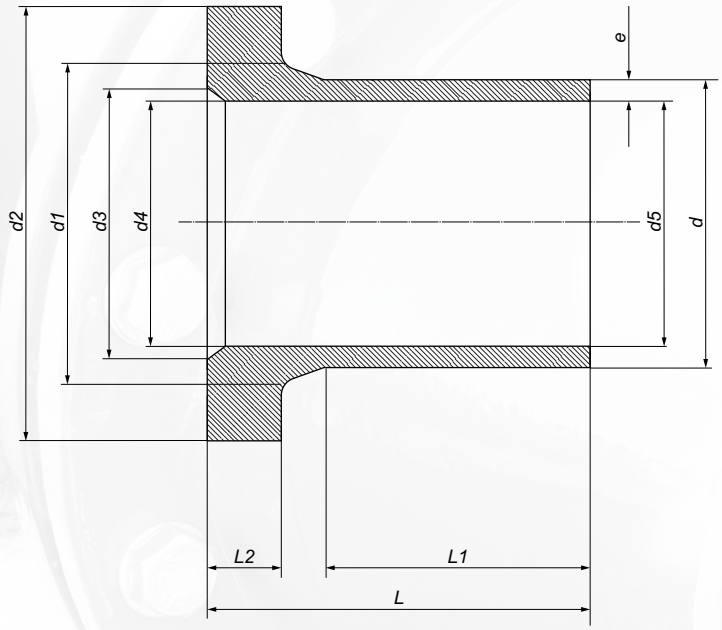
2. Marker plates, posts

3. Screw kits (screw, pad, nut)



4. Sealing kits

Flange adaptor for HDPE pipes SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make flange connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	d1	d2	d3	d4	d5	L1	L2	L	e	Weight
63	75	102	55	55	55	65	14	95	3,8	0,15
75	89	122	66	66	66	75	16	112	4,5	0,26
90	105	138	78	78	79	85	17	122	5,4	0,35
110	125	158	100	94	96	95	18	138	6,6	0,50
125	132	158	114	108	110	98	25	143	7,4	0,59
140	155	188	127	121	123	100	25	150	8,3	0,76
160	175	212	155	139	141	102	25	155	9,5	1,06
180	180	212	158	158	160	107	30	162	10,7	1,10
200	232	268	203	173	176	115	32	187	11,9	2,30
225	235	268	210	207	210	122	32	190	13,4	2,45
250	285	320	245	216	220	130	35	210	14,8	3,65
280	291	320	265	243	246	140	35	227	16,6	3,82
315	335	370	300	275	277	150	35	231	18,7	4,60
355	373	430	340	309	312	165	40	249	21,1	6,35
400	427	483	385	350	352	180	46	276	23,7	8,75

PE 100 SDR11 PN 16

d	d1	d2	d3	d4	d5	L1	L2	L	e	Weight
63	75	102	51	51	51	65	14	95	5,8	0,18
75	89	122	61	61	61	75	16	112	6,8	0,31
90	105	138	78	71	73	85	17	122	8,2	0,41
110	125	158	100	88	90	95	18	138	10,0	0,63
125	132	158	114	100	102	98	25	143	11,4	0,88
140	155	188	127	112	114	100	25	150	12,7	1,12
160	175	212	155	127	130	102	25	155	14,6	1,34
180	180	212	158	145	147	107	30	162	16,4	1,64
200	232	268	203	161	163	115	32	187	18,2	2,90
225	235	268	210	182	184	122	32	190	20,5	3,22
250	285	320	245	200	204	130	35	210	22,7	4,88
280	291	320	265	227	229	140	35	227	25,4	4,95
315	335	370	300	254	257	150	35	231	28,6	6,36
355	373	430	340	287	290	165	40	249	32,3	8,90
400	427	483	385	324	327	180	46	276	36,3	11,92

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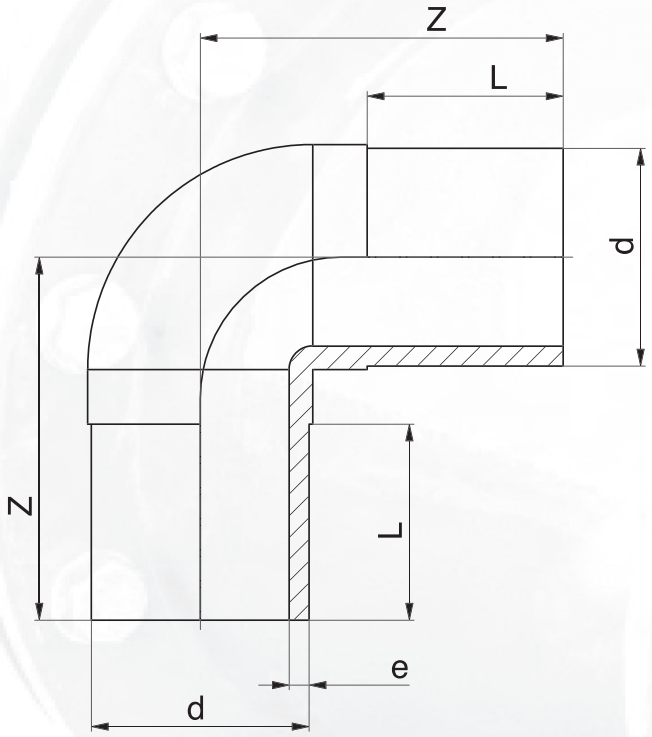
Flange adaptor for HDPE pipes SDR 17 PN 10 and SDR 11 PN 16

Wintercom
PRODUCĂTOR FITINGURI POLIETILENĂ

Elbow 90° HDPE
SDR 17 PN10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	L	Z	e	Weight
90	80	150	5,4	0,48
110	85	164	6,6	0,77
125	90	177	74	0,93
140	98	190	8,3	1,43
160	98	206	9,5	2,05
180	110	225	10,7	2,75
200	115	253	11,9	4,30

PE 100 SDR11 PN 16

d	L	Z	e	Weight
63	65	115	5,8	0,27
75	73	130	6,8	0,44
90	80	150	8,2	0,70
110	85	164	10,0	1,07
125	90	177	11,4	1,61
140	98	190	12,7	2,06
160	98	206	14,6	3,10
180	110	225	16,4	3,86
200	115	253	18,2	5,74

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Elbow 90° HDPE
SDR 17 PN10 and SDR 11 PN 16

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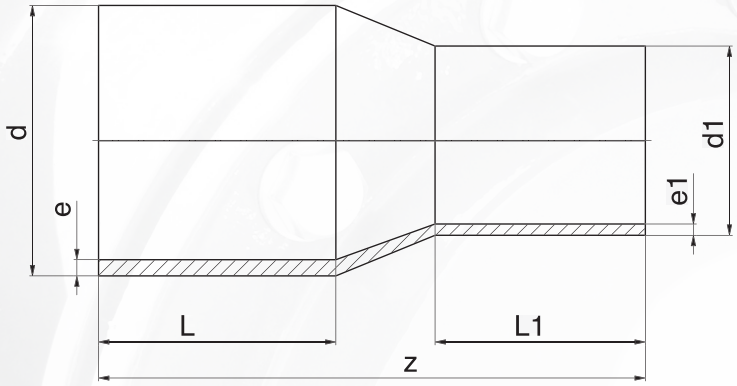
Reducer HDPE
SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	d1	Z	L	L1	e	e1	Weight
90	75	185	80	70	5,4	4,5	0,24
90	63	180	80	65	5,4	3,8	0,22
110	90	210	85	80	6,6	5,4	0,39
110	75	200	85	70	6,6	4,5	0,36
110	63	195	85	65	6,6	3,8	0,31
125	110	222	89	82	7,4	6,6	0,56
125	90	222	89	79	7,4	5,4	0,47
140	125	235	90	87	8,3	7,4	0,72
140	110	235	90	82	8,3	6,6	0,65
140	90	235	90	79	8,3	5,4	0,58
160	140	255	100	95	9,5	8,3	0,10
160	125	250	100	90	9,5	7,4	0,93
160	110	245	100	85	9,5	6,6	0,88
160	90	240	100	80	9,5	5,4	0,79
180	160	259	104	104	10,7	9,5	1,30
180	140	259	104	92	10,7	8,3	1,22
180	125	259	104	87	10,7	7,4	1,14
180	110	259	104	82	10,7	6,6	1,08
200	180	280	115	105	11,9	10,7	1,90
200	160	275	115	100	11,9	9,5	1,66
200	140	270	115	95	11,9	8,3	1,51
200	125	265	115	90	11,9	7,4	1,45
200	110	260	115	85	11,9	6,6	1,37
225	200	290	122	110	13,4	11,8	2,35
225	180	290	122	105	13,4	10,7	2,17
225	160	290	122	100	13,4	9,5	2,03
225	110	290	122	85	13,4	6,6	1,77
250	225	305	130	122	14,8	13,4	3,06
250	200	305	130	110	14,8	11,8	2,89
250	180	305	130	105	14,8	10,7	2,72
250	160	305	130	100	14,8	9,5	2,59
280	250	345	130	305	16,6	14,8	4,28
280	225	345	130	122	16,6	13,4	3,87
280	200	345	130	110	16,6	11,8	3,71

PE 100 SDR17 PN 16

d	d1	Z	L	L1	e	e1	Weight
90	75	195	79	70	8,2	6,8	0,33
90	63	195	79	63	8,2	5,8	0,30
110	90	210	85	80	10,0	8,2	0,55
110	75	200	85	70	10,0	6,8	0,48
110	63	195	85	65	10,0	5,8	0,45
125	110	221	88	85	11,4	10,0	0,80
125	90	221	88	80	11,4	8,2	0,67
140	125	230	93	88	12,7	11,4	1,02
140	110	230	93	85	12,7	10,0	0,93
140	90	230	93	80	12,7	8,2	0,84
160	140	255	100	95	14,6	12,7	1,46
160	125	250	100	90	14,6	11,4	1,31
160	110	245	100	85	14,6	10,0	1,24
160	90	240	100	80	14,6	8,2	1,15
180	160	260	106	100	16,4	14,6	1,93
180	140	260	106	93	16,4	12,7	1,75
180	125	260	106	88	16,4	11,4	1,65
180	110	260	106	82	16,4	10,0	1,55
200	180	280	115	105	18,2	16,4	2,73
200	160	275	115	100	18,2	14,6	2,42
200	140	270	115	95	18,2	12,7	2,33
200	125	265	115	90	18,2	11,4	2,11
200	110	260	115	85	18,2	10,0	1,96
225	200	290	123	112	20,5	18,2	3,32
225	180	290	123	105	20,5	16,4	3,09
225	160	290	123	100	20,5	14,6	2,89
225	110	290	123	85	20,5	10,0	2,53
250	225	305	130	123	22,7	20,5	4,39
250	200	305	130	112	22,7	18,2	4,15
250	180	305	130	105	22,7	16,4	3,87
250	160	305	130	100	22,7	14,6	3,60
280	250	344	140	130	25,4	22,7	6,08
280	225	344	140	123	25,4	20,5	5,50
280	200	344	140	112	25,4	18,2	5,30

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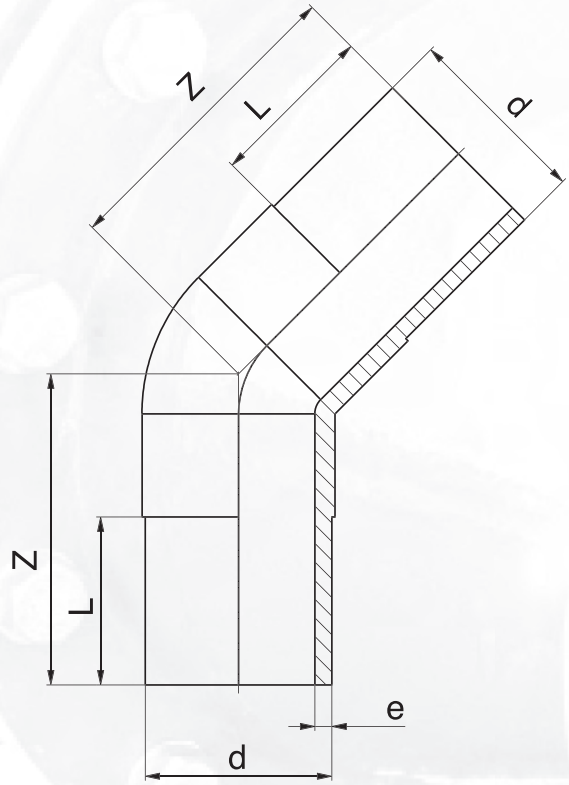
Reducer HDPE
SDR 17 PN 10 and SDR 11 PN 16

Elbow HDPE
SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	L	Z	e	Weight
90	80	120	5,4	0,40
110	85	130	6,6	0,69
160	98	162	9,5	1,90
200	115	184	11,9	3,00
225	120	197	13,4	4,23
250	129	217	14,8	5,50

PE 100 SDR11 PN 16

d	L	Z	e	Weight
90	80	120	8,2	0,56
110	85	130	10,0	0,92
160	98	162	14,6	2,41
200	115	184	18,2	4,52
225	120	197	20,5	6,10

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Elbow HDPE
SDR 17 PN 10 and SDR 11 PN 16

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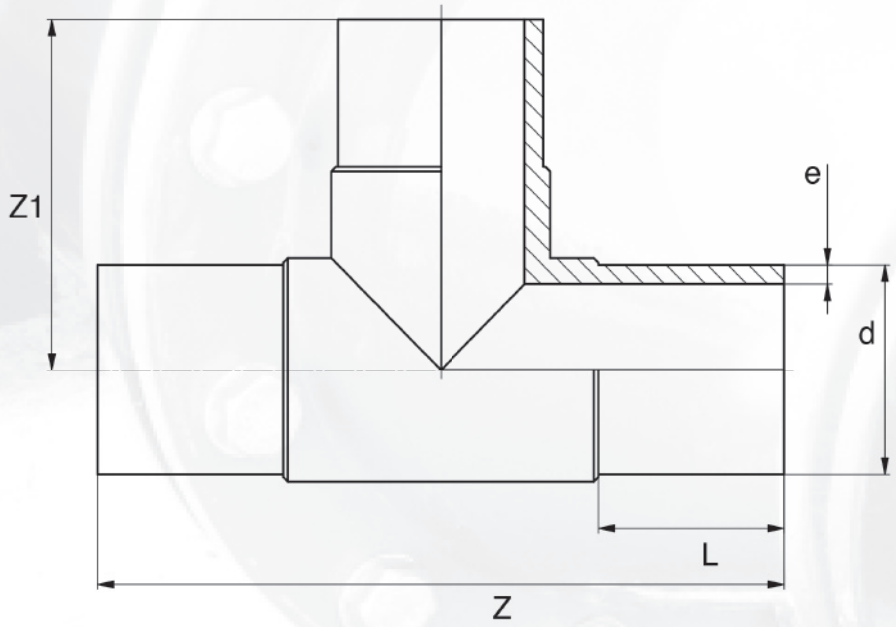
Equal Tee HDPE
SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	Z	Z1	L	e	Weight
90	300	150	80	5,4	0,67
110	330	165	84	6,6	1,26
125	362	181	90	7,4	1,54
160	412	206	98	9,5	2,75
200	480	240	115	11,9	5,15

PE 100 SDR11 PN 16

d	Z	Z1	L	e	Weight
63	230	115	65	5,8	0,40
75	264	132	72	6,8	0,61
90	300	150	80	8,2	0,96
110	330	165	84	10,0	1,66
125	362	181	90	11,4	2,17
160	412	206	98	14,6	4,28

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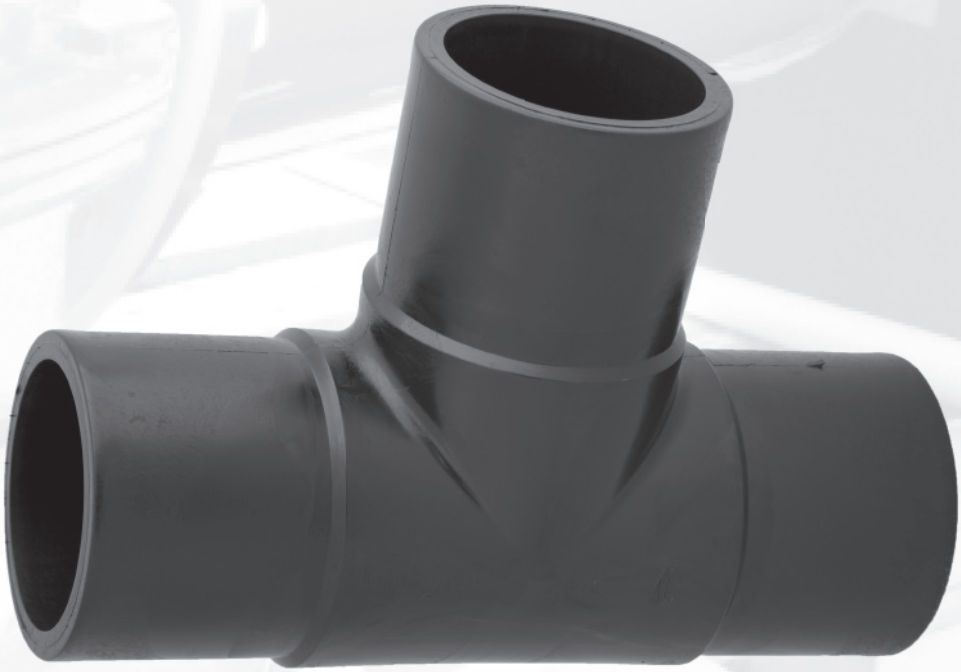
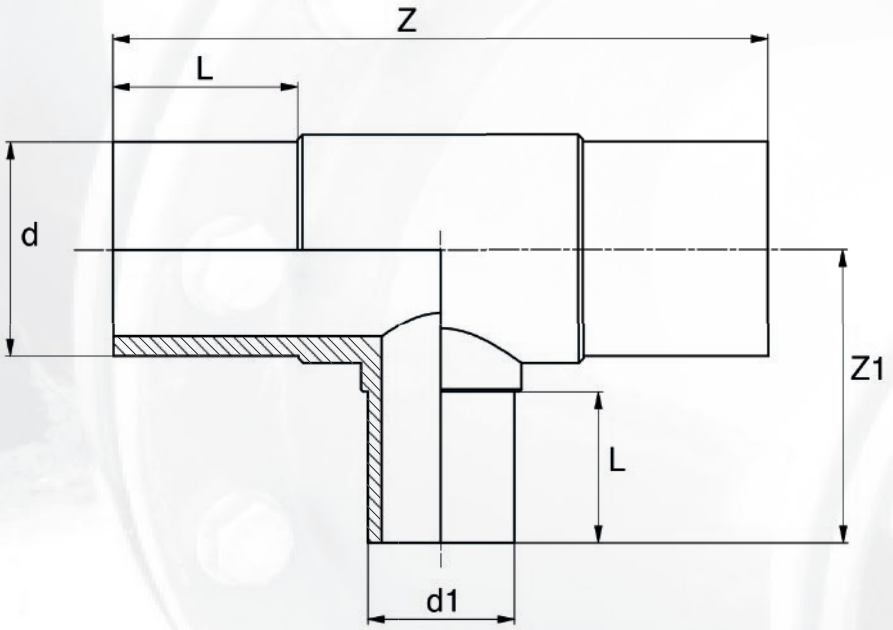
Equal Tee HDPE
SDR 17 PN 10 and SDR 11 PN 16



Reduced Tee HDPE
SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	d1	Z	Z1	L	L1	e	e1	Weight
110	63	285	138	85	63	6,6	3,8	0,93
110	90	318	158	82	79	6,6	5,4	0,97
125	90	320	165	90	80	7,4	5,4	1,22
125	110	335	170	90	85	7,4	6,6	1,40
160	90	410	185	98	80	9,5	5,4	2,56
160	110	410	195	98	82	9,5	6,6	2,72
200	110	480	207	115	82	11,9	6,6	4,35
200	160	440	223	115	98	11,9	9,5	4,45

PE 100 SDR11 PN 16

d	d1	Z	Z1	L	L1	e	e1	Weight
110	63	285	138	85	63	10,0	5,8	1,22
110	90	318	158	82	79	10,0	8,2	1,29
125	90	320	165	90	80	11,4	8,2	1,72
125	110	335	170	90	85	11,4	10,0	1,91
160	90	410	185	98	80	14,6	8,2	2,75
160	110	410	195	98	82	14,6	10,0	3,30
200	110	480	207	115	82	18,2	10,0	5,83
200	160	440	223	115	98	18,2	14,6	5,96

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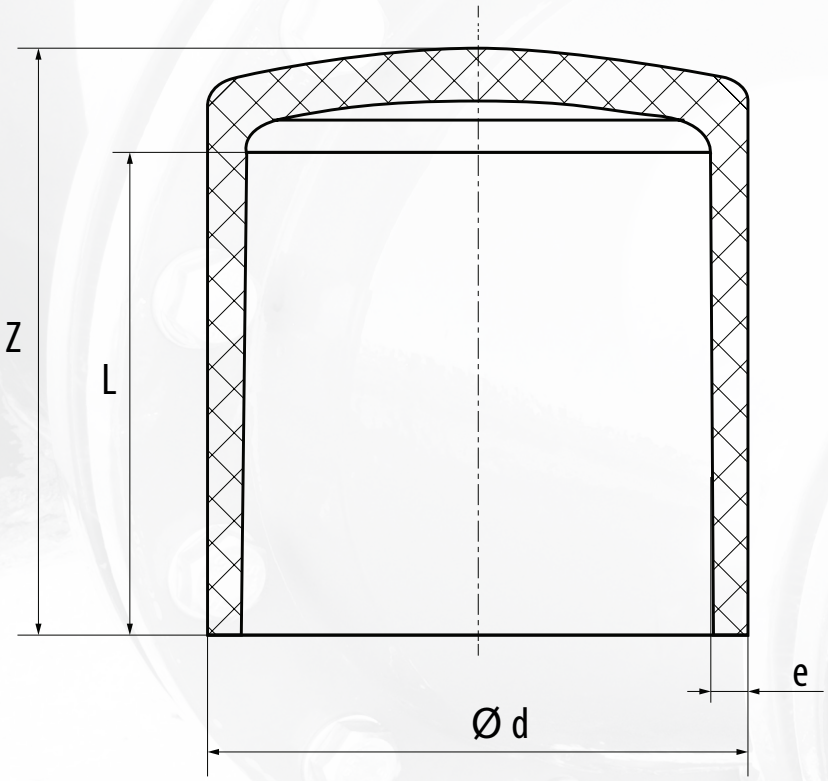
Reduced Tee HDPE
SDR 17 PN 10 and SDR 11 PN 16

End cap HDPE
SDR 17 PN 10 and SDR 11 PN 16



Material: HDPE
Norm: EN 1220-3 + A1
EN 1555-3 + A1

They are used to make connections on polyethylene pipes.

PE 100 SDR17 PN 10

d	L	Z	e	Weight
90	85	94	5,4	0,20
110	90	102	6,6	0,31

PE 100 SDR11 PN 16

d	L	Z	e	Weight
63	65	75	5,8	0,10
75	70	80	6,8	0,14
90	85	94	8,2	0,28
110	90	102	10,0	0,42

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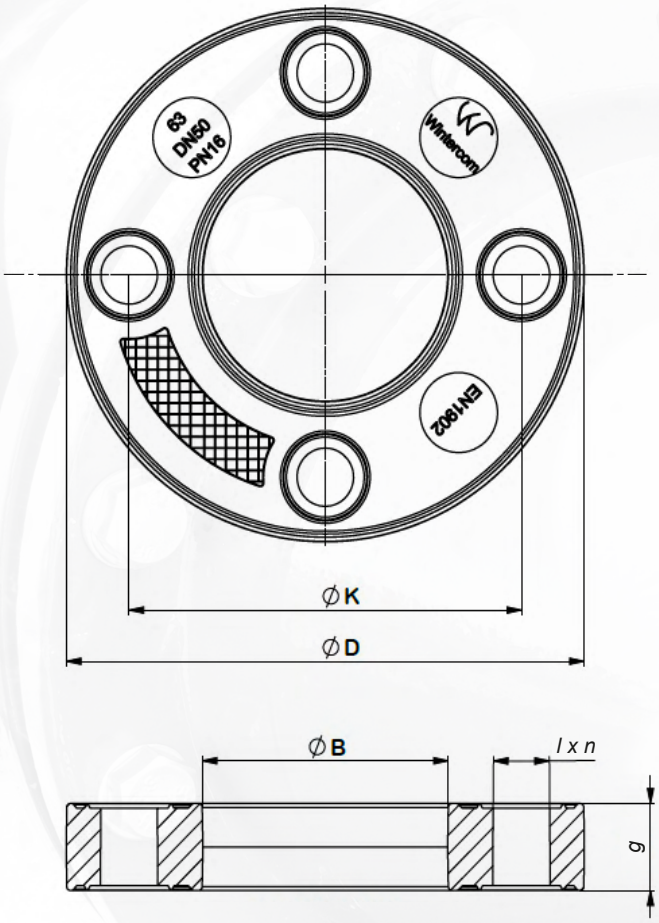
End cap HDPE
SDR 17 PN 10 and SDR 11 PN 16

Flange PP backing rings



Designed and manufactured for connecting injected HDPE or PVC flanged sleeves to gate valves, hydrants or other fittings in water supply, fire and sewerage networks.

Material: PP + glass fibre

Manufactured in accordance with EN 1092, ISO 7005 - DN 15 ÷ DN 1000

Flange PP backing rings PP PaN 10 i PN 16

DN steel/cast iron	Size of PE pipe	Nominal pressure	D	B	K	l	n	g	Recommended screw	Weight
50	63	10/16	165	78	125	18	4	25	M16	0,42
65	75	10/16	185	92	145	18	4	27	M16	0,55
80	90	10/16	200	108	160	18	8	28	M16	0,61
100	110	10/16	220	128	180	18	8	29	M16	0,74
100	125	10/16	220	135	180	18	8	29	M16	0,72
150	160	10/16	285	178	240	22	8	34	M20	1,31
200	200	10	340	235	295	22	8	36	M20	1,62
200	225	10	340	238	295	22	8	36	M20	1,60
250	250	10	395	288	350	22	12	40	M20	2,16
250	280	10	395	294	350	22	12	40	M20	2,14
300	315	10	445	338	400	22	12	45	M20	2,76

Easy installation, light weight compared to steel flanges, no rust.

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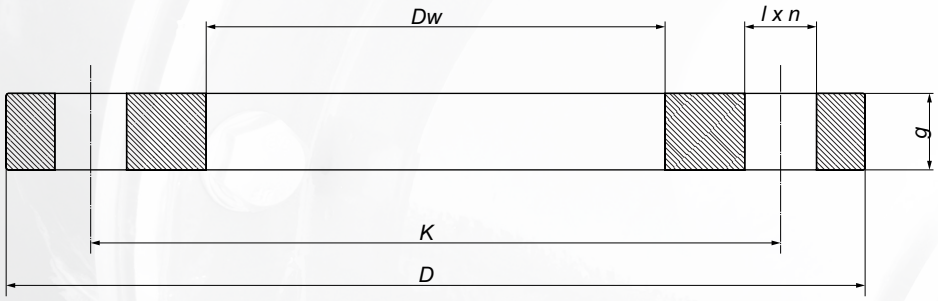
Flange PP backing rings

Flange backing rings



Material: steel S235JRG or similar.
Coating: galvanized surface
Norm: PN-ISO 9624:2001
Nominal pressure: 1,0/1,6 MPa; PN 10/16

Steel backing rings for HDPE adaptors for making flange connections on plastic pipelines.

Flange backing rings PN 10 and PN 16

Flange DN	PE pipe diameter	Dw	D	K	g	l	n	Weight
50	63	78	165	125	16	18	4	1,90
65	75	92	185	145	16	18	4	2,40
80	90	108	200	160	18	18	8	2,80
100	110	128	220	180	18	18	8	3,20
100	125	135	220	180	18	18	8	3,00
125	140	158	250	210	18	18	8	3,80
150	160	178	285	240	18	22	8	5,00 (5,60)
150	180	186	285	240	18	22	8	4,60 (5,10)
200	200	236	340	295	20(23)	22	8(12)	6,90 (7,90)
200	225	238	340	295	20(23)	22	8(12)	6,70 (7,70)
250	250	289	395(405)	350(355)	24(29)	22(26)	12	9,00 (12,90)
250	280	295	395(405)	350(355)	24(29)	22(26)	12	8,50 (12,30)
300	315	339	445(460)	400(410)	28(34)	22(26)	12	12,30 (18,60)
350	355	376	505(520)	460(470)	28(36)	22(26)	16	17,00(25,90)
400	400	430	565(580)	515(525)	32(41)	26(30)	16	24,00(34,30)

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Flange backing rings

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