

Mondi Štětí a.s.

STANDARD

Part 10.01.04

CONCRETE TANKS SETS

Mondi Štětí a.s.	STANDARD 10.01.04	Page: 1/17
-------------------------	--------------------------	-------------------

STANDARD

Part 10.01.04

CONCRETE TANKS SETS

Worked out by:
Name: Patrik Šaravský
Position: Head of Facility
Management Dpt.

Verified by:
Name: Ing. H. Procházková
Position: IMS Coordinator

Approved by:
Name: Petr Bubla
Position: Head of
Maintenance Dpt.

Signed by: Patrik Šaravský
in her own hand

Signed by: Ing. H. Procházková,
in her own hand

Signed by: Petr Bubla
in his own hand

Version: 06	Valid from: As of the date of issue
--------------------	--

Mondi Štětí a.s.	STANDARD 10.01.04	Page: 2/17
------------------	--------------------------	------------

TABLE OF CONTENTS

Page

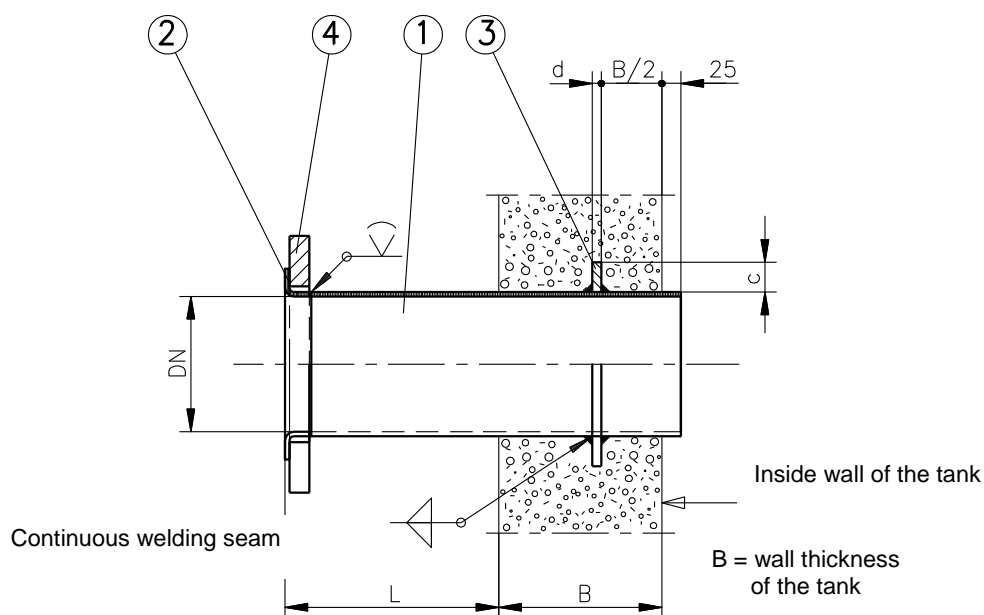
- 4.1 Pipe feeder line for tanks for the pulp mill.
- 4.2 Pipe feeder line for tanks for the paper mill.
- 4.3 Pipe feeder line for tanks for the pulp mill that is not placed in the foundations.
- 4.4 Pipe feeder line for tanks for the paper mill that is not placed in the foundations.
- 4.5 Discharging feeder line for tanks for the pulp mill.
- 4.6 Discharging feeder line for tanks for the paper mill.
- 4.7 Spill feeder line for concrete tanks for the pulp mill.
- 4.8 Spill feeder line for concrete tanks for the paper mill.
- 4.9 Manhole that opens inwards.
- 4.10 Manhole that opens inwards for concrete tanks that is not placed in the foundations.
- 4.11 Manhole with the flat packing that opens outwards.
- 4.12 Manhole with the flat packing that opens outwards and is not placed in the foundations.
- 4.13 Manhole with the O – ring sealing that opens outwards.
- 4.14 Manhole with the O – ring sealing that opens outwards and is not placed in the foundations.

4. Concrete tanks

Scale in mm

4.1 Pipe feeder line for tanks for the pulp mill.

1) Usage The pipe feeder lines, introduced in this standard, will be used on concrete tanks in pulp mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/05.02	1.4571
2	1	Edge ring PN10	13/03/05.04	1.4571
3	1	Flat steel ring		1.4571
4	1	Flanged ring PN10	13/03/05.05	GK-AlSi12

DN	L	c x d
50	170	30 x 5
65	170	30 x 5
80	170	30 x 5
100	170	30 x 5
125	170	30 x 5
150	170	30 x 5

DN	L	c x d
200	230	30 x 5
250	230	30 x 5
300	230	30 x 5
350	300	30 x 5
400	300	30 x 5
450	300	50 x 6

DN	L	c x d
500	350	50 x 6
600	350	50 x 6
700	400	50 x 6
800	400	50 x 6
900	400	50 x 6

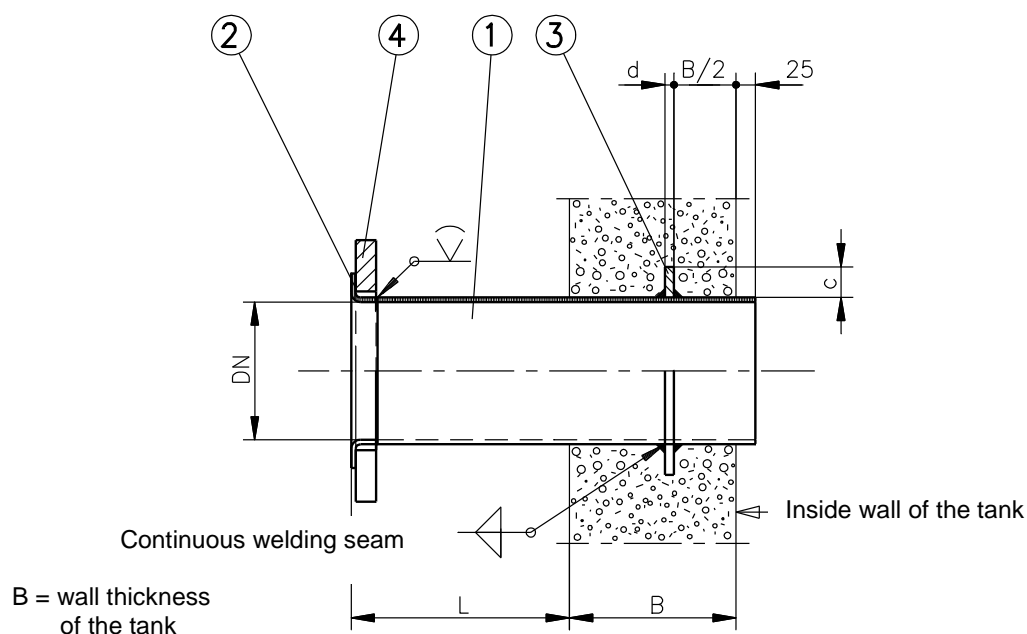
2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04.1

4. Concrete tanks

Scale in mm

4.2 Pipe feeder line for tanks for the paper mill.**1) Usage**

The pipe feeder lines, introduced in this standard, will be used on concrete tanks in paper mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/01.02	1.4301
2	1	Edge ring PN10	13/03/01.04	1.4301
3	1	Flat steel ring		1.4301
4	1	Flanged ring PN10	13/03/01.05	GK Al Si 12

DN	L	c x d
50	170	30 x 5
65	170	30 x 5
80	170	30 x 5
100	170	30 x 5
125	170	30 x 5
150	170	30 x 5

DN	L	c x d
200	230	30 x 5
250	230	30 x 5
300	230	30 x 5
350	300	30 x 5
400	300	30 x 5
450	300	50 x 6

DN	L	c x d
500	350	50 x 6
600	350	50 x 6
700	400	50 x 6
800	400	50 x 6
900	400	50 x 6

2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04.2

Version: 02

Printouts, if any, are not controlled.

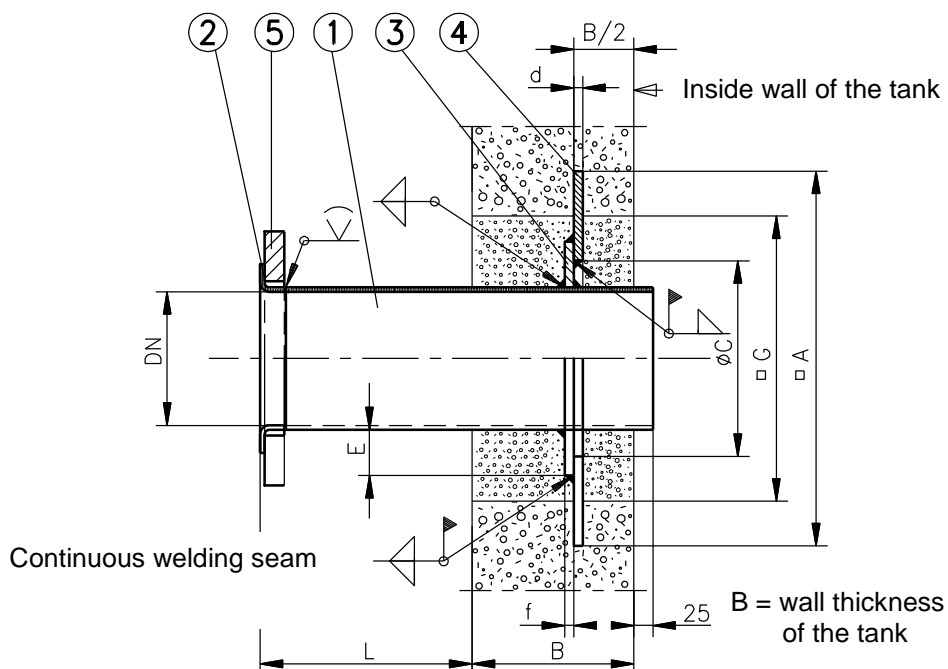
Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

4.3 Pipe feeder line for tanks for the pulp mill that is not placed in the foundations.**1) Usage**

The pipe feeder lines, introduced in this standard, will be used on concrete tanks in pulp mill if these are not placed in the foundations.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/05.02	1.4571
2	1	Edge ring PN10	13/03/05.04	1.4571
3	1	Flat steel ring	-	1.4571
4	1	Plate	-	1.4571
5	1	Flanged ring PN10	13/03/05.05	GK-AISI12

DN	L	□ A / ∅ C x d	E x f	□ G
50	170	300/120x5	50 x 5	210
65	170	315/135x5	50 x 5	225
80	170	330/150x5	50 x 5	240
100	170	350/170x5	50 x 5	260
125	170	375/195x5	50 x 5	285
150	170	400/220x5	50 x 5	310
200	230	450/270x5	50 x 5	360
250	230	500/320x5	50 x 5	410
300	230	550/370x5	50 x 5	460

DN	L	□ A / ∅ C x d	E x f	□ G
350	300	610/430x6	60 x 6	520
400	300	660/480x6	60 x 6	570
450	300	710/530x6	60 x 6	620
500	350	760/580x6	60 x 6	670
600	350	860/680x6	60 x 6	770
700	400	960/780x6	60 x 6	870
800	400	1060/880x6	60 x 6	970
900	400	1160/980x6	60 x 6	1070

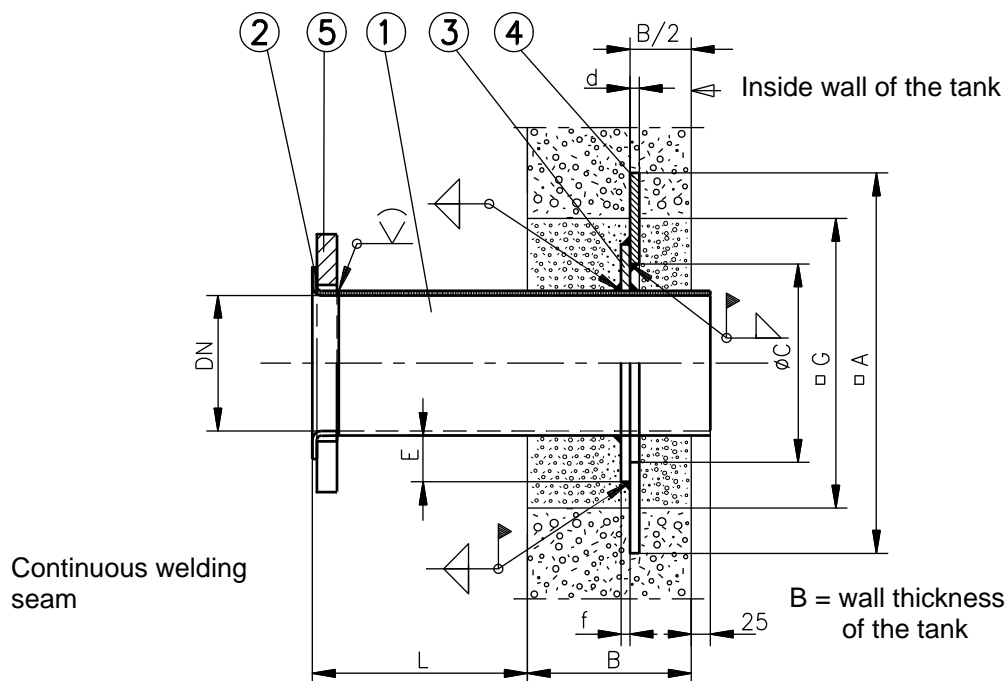
2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04.3

4. Concrete tanks

Scale in mm

4.4 Pipe feeder line for tanks for the paper mill that is not placed in the foundations.**1) Usage**

The pipe feeder lines, introduced in this standard, will be used on concrete tanks in paper mill if these are not placed in the foundations.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/01.02	1.4301
2	1	Edge ring PN10	13/03/01.04	1.4301
3	1	Flat steel ring	-	1.4301
4	1	Plate	-	1.4301
5	1	Flanged ring PN10	13/03/01.05	Gk Al Si 12

DN	L	□ A / □ C x d	E x f	□ G
50	170	300 / 120x5	50 x 5	210
65	170	315 / 135x5	50 x 5	225
80	170	330 / 150x5	50 x 5	240
100	170	350 / 170x5	50 x 5	260
125	170	375 / 195x5	50 x 5	285
150	170	400 / 220x5	50 x 5	310
200	230	450 / 270x5	50 x 5	360
250	230	500 / 320x5	50 x 5	410
300	230	550 / 370x5	50 x 5	460

DN	L	□ A / □ C x d	E x f	□ G
350	300	610 / 430x6	60 x 6	520
400	300	660 / 480x6	60 x 6	570
450	300	710 / 530x6	60 x 6	620
500	350	760 / 580x6	60 x 6	670
600	350	860 / 680x6	60 x 6	770
700	400	960 / 780x6	60 x 6	870
800	400	1060 / 880x6	60 x 6	970
900	400	1160 / 980x6	60 x 6	1070

2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04.4

Version: 02

Printouts, if any, are not controlled.

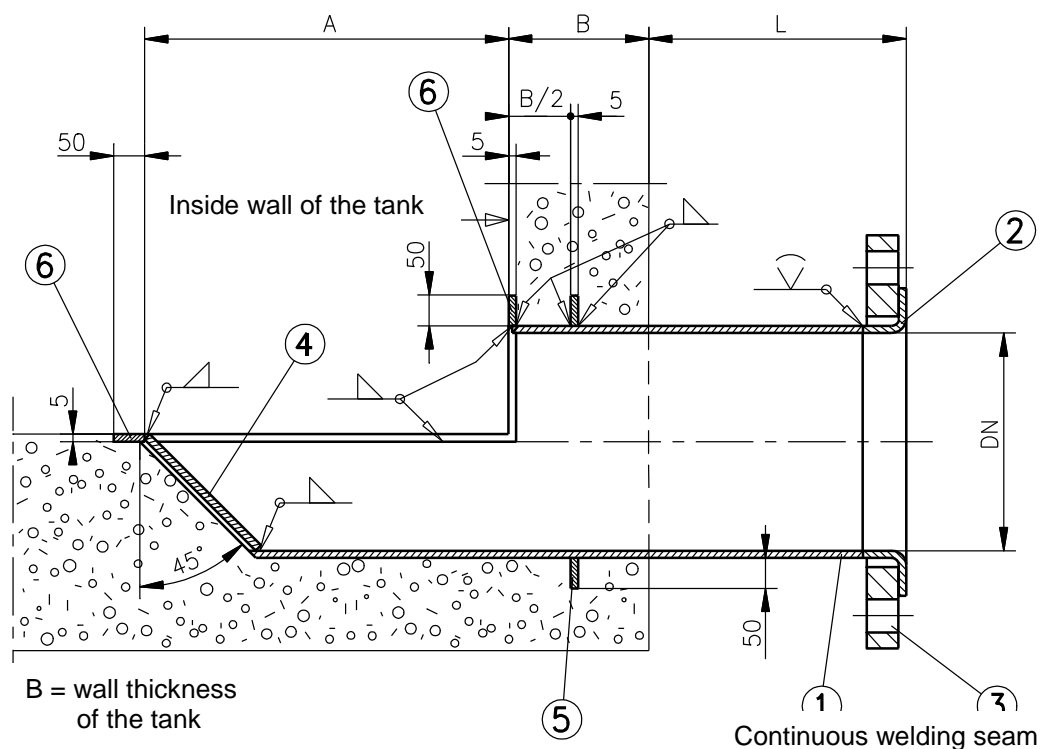
Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

4.5 Discharging feeder line for tanks for the pulp mill.**1) Usage**

The pipe feeder lines, introduced in this standard, will be used on concrete tanks in pulp mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/05.02	1.4571
2	1	Edge ring PN10	13/03/05.04	1.4571
3	1	Flanged ring PN10	13/03/05.05	Gk Al Si 12
4	1	Plate (Thickness = wall thickness of the pipe)	-	1.4571
5	1	Flat steel ring	-	1.4571
6	1	Flat steel seam	-	1.4571

DN	L	A	DN	L	A
50	170	150	200	230	300
65	170	150	250	230	350
80	170	150	300	230	400
100	170	200	350	300	450
125	170	250	400	300	500
150	170	250			

2) Marking: Name, DN, B, standard number of the feeder lines, 200, 300, 10/01/04.5

Version: 02

Printouts, if any, are not controlled.

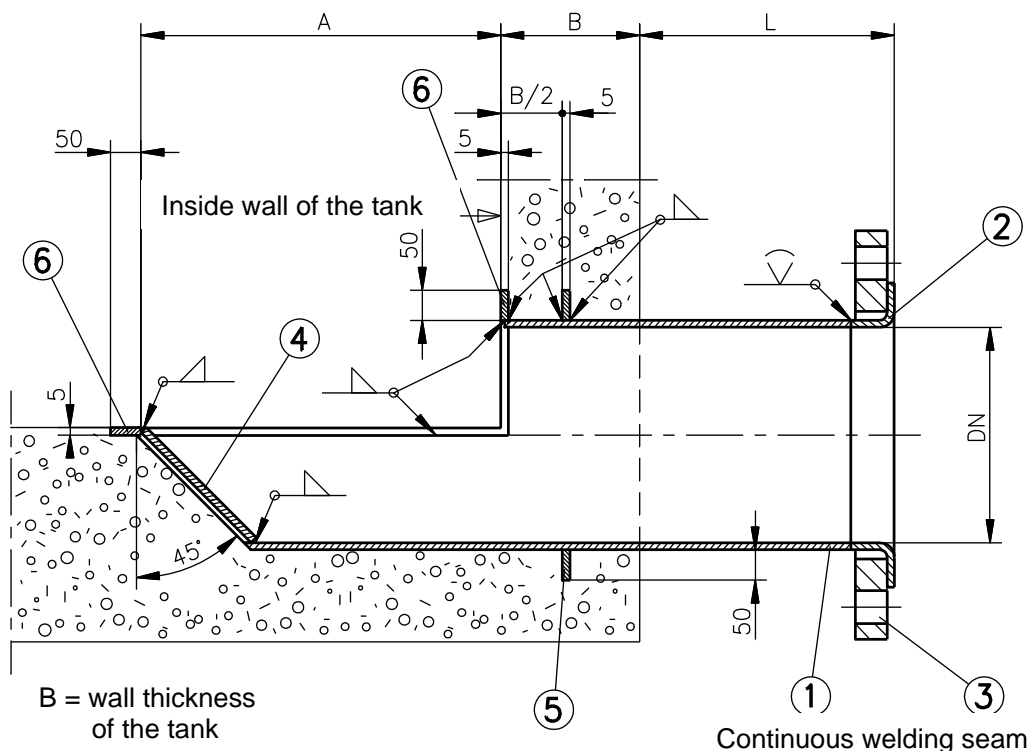
Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

4.6 Discharging feeder line for tanks for the paper mill.

- 1) Usage The pipe feeder lines, introduced in this standard, will be used on concrete tanks in paper mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/01.02	1.4301
2	1	Edge ring PN10	13/03/01.04	1.4301
3	1	Flanged ring PN10	13/03/01.05	Gk Al Si 12
4	1	Plate (Thickness = wall thickness of the pipe)	-	1.4301
5	1	Flat steel ring	-	1.4301
6	1	Flat steel seam	-	1.4301

DN	L	A	DN	L	A
50	170	150	200	230	300
65	170	150	250	230	350
80	170	150	300	230	400
100	170	200	350	300	450
125	170	250	400	300	500
150	170	250			

- 2) Marking: Name, DN, B, standard number of the feeder lines, 200, 300, 10/01/04.6

Version: 02

Printouts, if any, are not controlled.

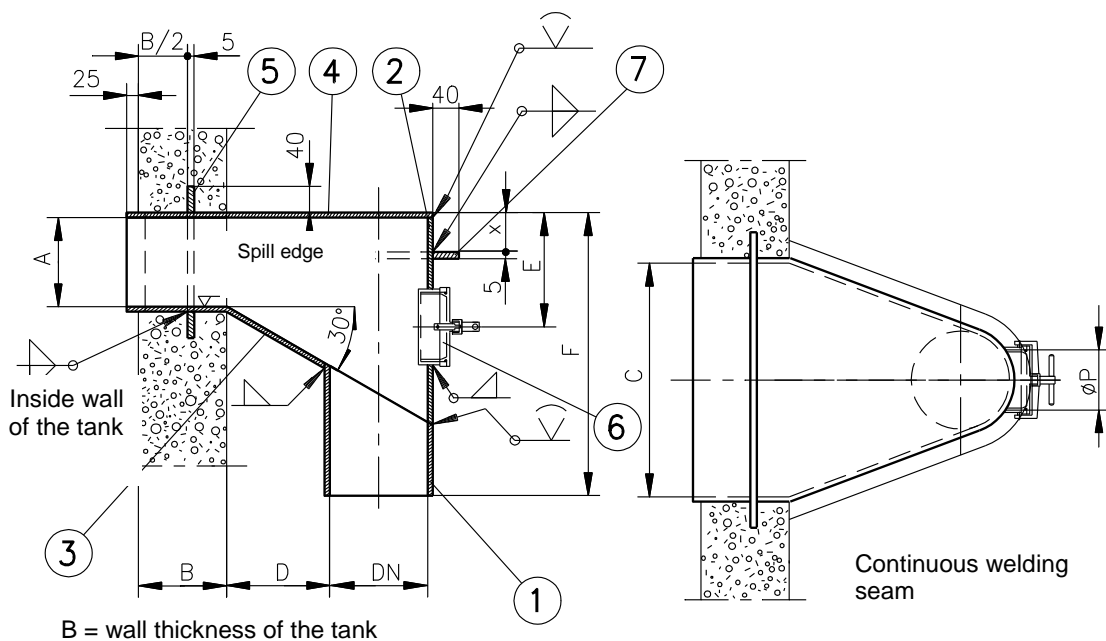
Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

4.7 Spill feeder line for concrete tanks for the pulp mill.

- 1) Usage The spill feeder lines, introduced in this standard, will be used on concrete tanks in pulp mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/05.02	1.4571
2	1	Plate	-	1.4571
3	1	Plate	-	1.4571
4	1	Plate	-	1.4571
5	1	Flat steel	-	1.4571
6	1	Service cover	10/01/03.24	1.4571
7	1	Reinforce	-	1.4571

DN	A	C	D	øP	E	F	x
200	175	500	200	175	250	550	—
250	200	600	200	175	275	600	—
300	250	750	200	175	325	680	—
350	250	800	200	275	375	720	—
400	300	900	200	275	425	800	—
500	350	1100	200	275	475	900	305
600	400	1300	200	275	525	1000	355
700	450	1500	200	275	575	1100	405

Reinforce part 7 for DN>400 welded

Rohrwandstärke siehe Standard

Plattstärke für Überlaufanschluß bis DN 300 = 3 mm

Wall thickness, see standard

Thickness of the plate for spill feeder line to DN 300 = 3 mm
Over DN 300 = 5 mm

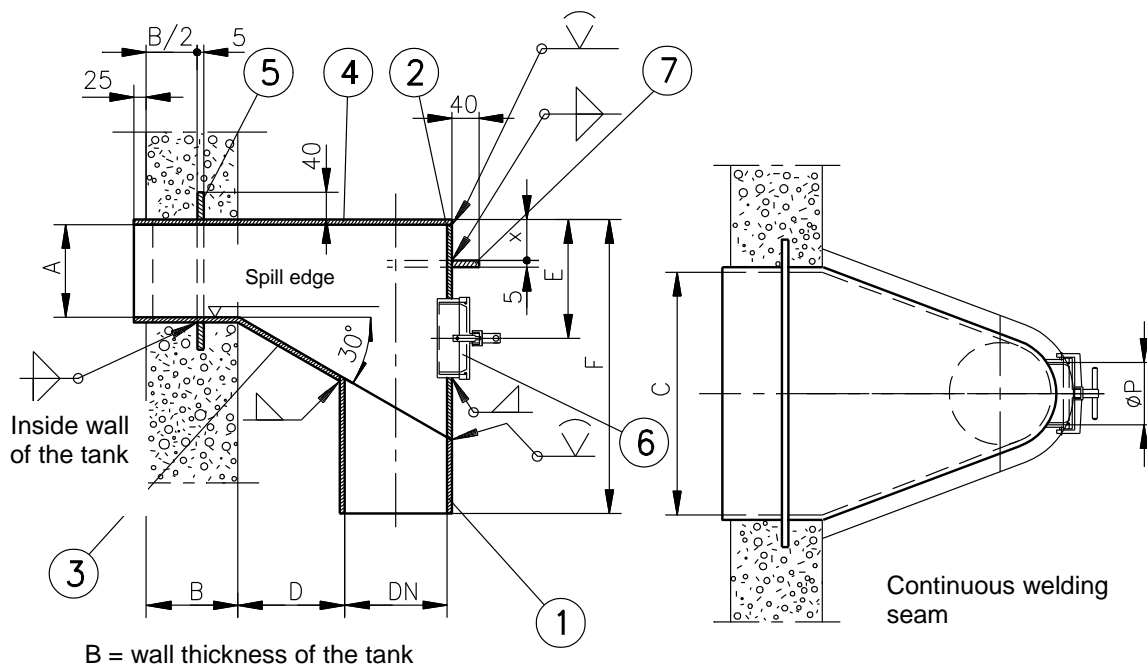
- 2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04-08

4. Concrete tanks

Scale in mm

4.8 Spill feeder line for concrete tanks for the paper mill.

- 1) Usage The spill feeder lines, introduced in this standard, will be used on concrete tanks in paper mill.



Part	Pcs	Description	Standard	Material
1	1	Pipe	13/03/01.02	1.4301
2	1	Plate	-	1.4301
3	1	Plate	-	1.4301
4	1	Plate	-	1.4301
5	1	Flat steel	-	1.4301
6	1	Service cover	10/01/03.24	1.4571
7	1	Reinforce	-	1.4301

DN	A	C	D	̸P	E	F	x
200	175	500	200	175	250	550	-
250	200	600	200	175	275	600	-
300	250	750	200	175	325	680	-
350	250	800	200	275	375	720	-
400	300	900	200	275	425	800	-
500	350	1100	200	275	475	900	305
600	400	1300	200	275	525	1000	355
700	450	1500	200	275	575	1100	405

Reinforce part 7 for DN>400 welded

Wall thickness, see standard

Thickness of the plate for spill feeder line to DN 300 = 3 mm
Over DN 300 = 5 mm

- 2) Marking: Name, DN, B, standard number of the feeder lines,
200, 300, 10/01/04.8

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

4. Concrete tanks

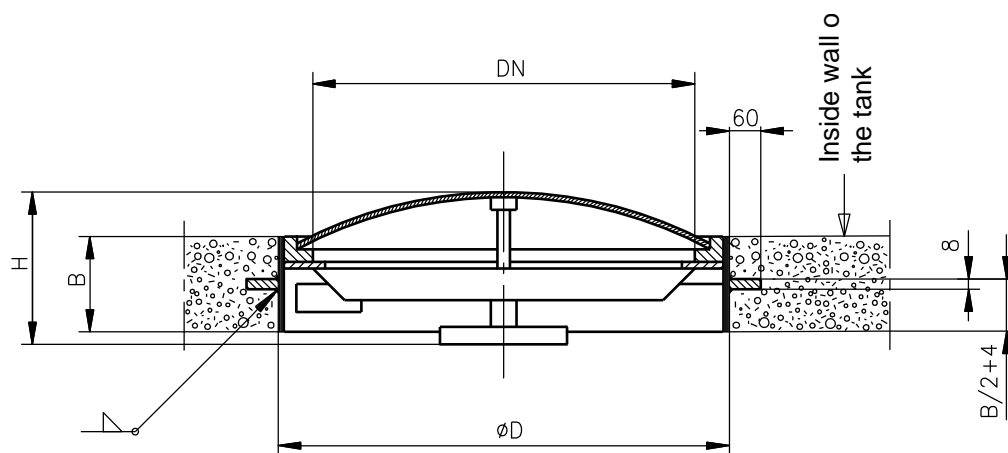
Scale in mm

Application of this manhole cover is possible after approved by Mondí Štětí.

4.9 Manhole that opens inwards.

1) Usage The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills.

2) Dimension Dates are decisive and are depending from producer and from products.



B = wall thickness of the tank

Continuous welding seam

DN	ø D	H	Weight kg/pc	Allowable inside pressure for max. filling up of the tank (bar)
600	708	210	60	3.5
600	708	240	60	6
800	908	250	76	3.5
800	908	270	92	6

Material:
Parts in contact with medium from material 1.4571/1.4436
Outside parts from material 1.4301
Hand wheel from aluminium
Chucking lever from material 1.4301
Filler from brass or bronze
Sealing material (NBR or Viton) - make according medium
Wall ring from material 1.4301

3) Marking: Name, DN, B, allowed pressure, sealing material, standard number of the feeder lines,
600, 300, 3,5 bar, NBR, 10/01/04.9

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

4. Concrete tanks

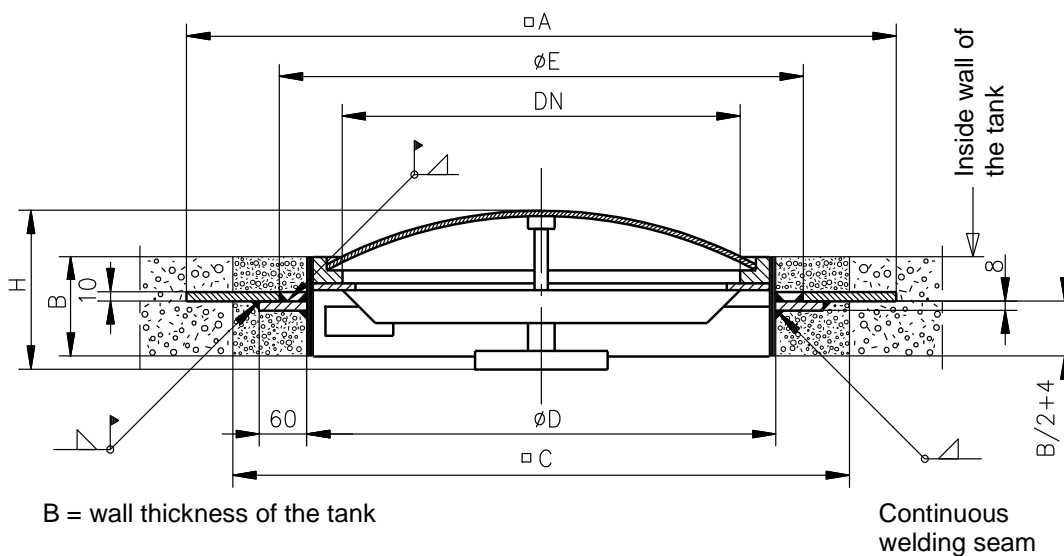
Scale in mm

Application of this manhole cover is possible after approved by Mondí Štětí.

4.10 Manhole that opens inwards for concrete tanks that is not placed in the foundations

1) Usage The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills, which are not placed in the foundations.

2) Dimension Dates are decisive and are depending from producer and from products.



DN	□ A	□ C	Ø D	Ø E	H	Weight kg/pc	Allowable inside pressure for max. filling up of the tank (bar)
600	980	890	708	800	210	60	3.5
600	980	890	708	800	240	60	6
800	1180	1090	908	1000	250	76	3.5
800	1180	1090	908	1000	270	92	6

Material:
Parts in contact with medium from material 1.4571/1.4436
Outside parts from material 1.4301
Hand wheel from aluminium
Chucking lever from material 1.4301
Filler from brass or bronze
Sealing material (NBR or Viton) - make according medium
Wall ring from material 1.4301

The cover must be oval design from reason of dismounting throw the manhole.

3.) Marking: Name, DN, B, allowed pressure, sealing material, standard number of the feeder lines,
600, 300, 3,5 bar, NBR, 10/01/04.10

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

4. Concrete tanks

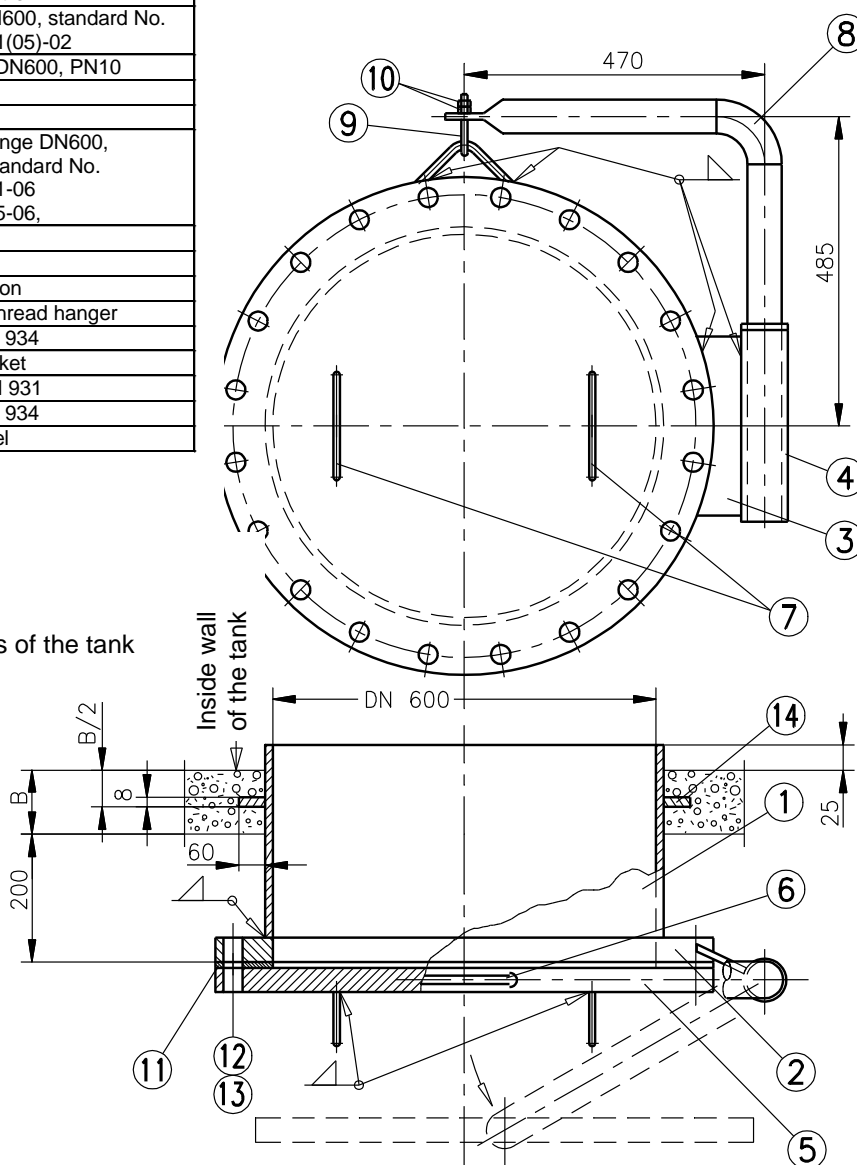
Scale in mm

4.11 Manhole with the flat packing that opens outwards.

- 1) Usage The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills.
 The material for pulp mill 1.4571 or equivalent
 The material for paper mill 1.4301 or equivalent

Part	Pcs	Description
1	1	Pipe DN600, standard No. 13/03/01(05)-02
2	1	Flange DN600, PN10
3	1	Plate
4	1	Pipe
5	1	Blind flange DN600, PN10 standard No. 13/03/01-06, 13/03/05-06,
6	1	Hanger
7	2	Handle
8	1	Dumb-iron
9	1	Screw-thread hanger
10	2	Nut DIN 934
11	1	Flat gasket
12	20	Bolt DIN 931
13	20	Nut DIN 934
14	1	Flat steel

B = wall thickness of the tank



- 2.) Marking: Name, DN, B, allowed pressure, material, sealing material, standard number of the manhole
 600, 300, 3,5bar, 1.4571, ITC, 10/01/04.11

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

4.12 Manhole with the flat packing that opens outwards and is not placed in the foundations.

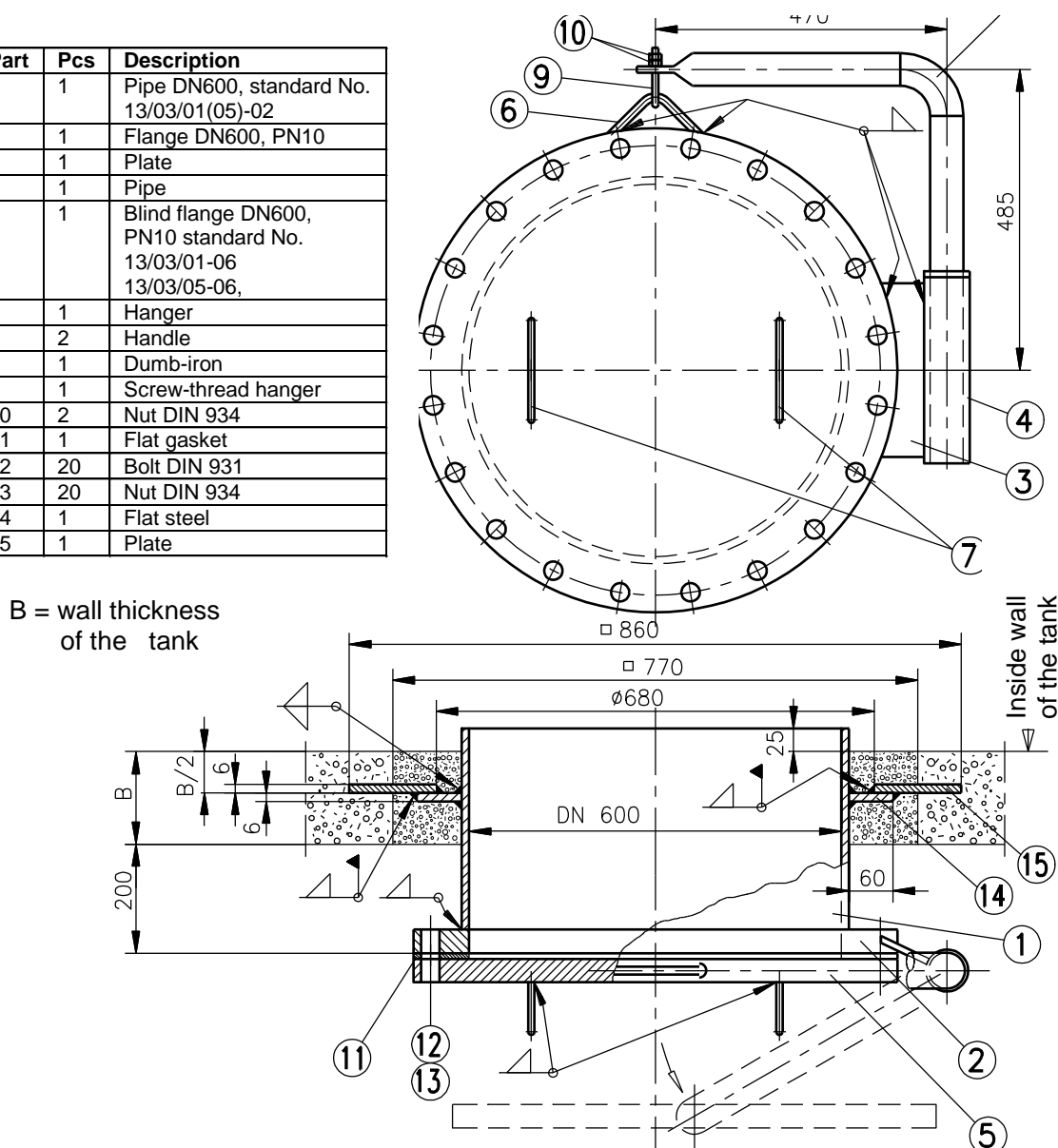
1) Usage

The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills when they are not placed in the foundations.

The material for pulp mill 1.4571 or equivalent

The material for paper mill 1.4301 or equivalent

Part	Pcs	Description
1	1	Pipe DN600, standard No. 13/03/01(05)-02
2	1	Flange DN600, PN10
3	1	Plate
4	1	Pipe
5	1	Blind flange DN600, PN10 standard No. 13/03/01-06 13/03/05-06,
6	1	Hanger
7	2	Handle
8	1	Dumb-iron
9	1	Screw-thread hanger
10	2	Nut DIN 934
11	1	Flat gasket
12	20	Bolt DIN 931
13	20	Nut DIN 934
14	1	Flat steel
15	1	Plate



2) Marking: Name, DN, B, allowed pressure, material, sealing material, standard number of the manhole
600, 300, 3,5 bar, 1.4571, ITC, 10/01/04.12

4. Concrete tanks

Scale in mm

Application of this manhole cover is possible after approved by Mondi Štětí.

4.13 Manhole with the O – ring sealing that opens outwards.**1) Usage**

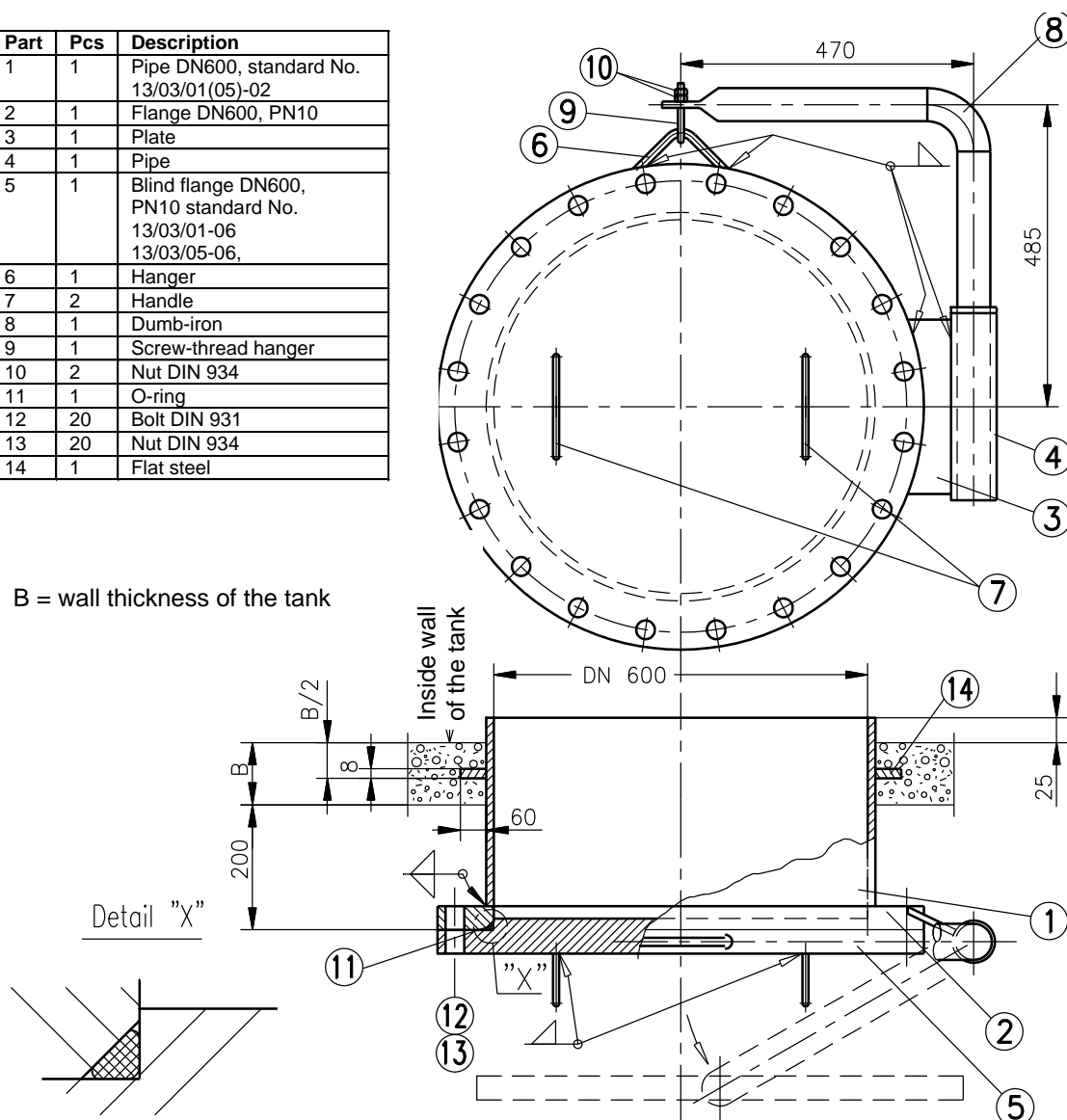
The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills.

The material for pulp mill 1.4571 or equivalent

The material for paper mill 1.4301 or equivalent

Part	Pcs	Description
1	1	Pipe DN600, standard No. 13/03/01(05)-02
2	1	Flange DN600, PN10
3	1	Plate
4	1	Pipe
5	1	Blind flange DN600, PN10 standard No. 13/03/01-06, 13/03/05-06,
6	1	Hanger
7	2	Handle
8	1	Dumb-iron
9	1	Screw-thread hanger
10	2	Nut DIN 934
11	1	O-ring
12	20	Bolt DIN 931
13	20	Nut DIN 934
14	1	Flat steel

B = wall thickness of the tank



2) Marking: Name, DN, B, allowed pressure, material, sealing material, standard number of the manhole
600, 300, 3,5 bar, 1.4571, NBR, 10/01/04.13

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

4. Concrete tanks

Scale in mm

Application of this manhole cover is possible after approved by Mondí Štětí.

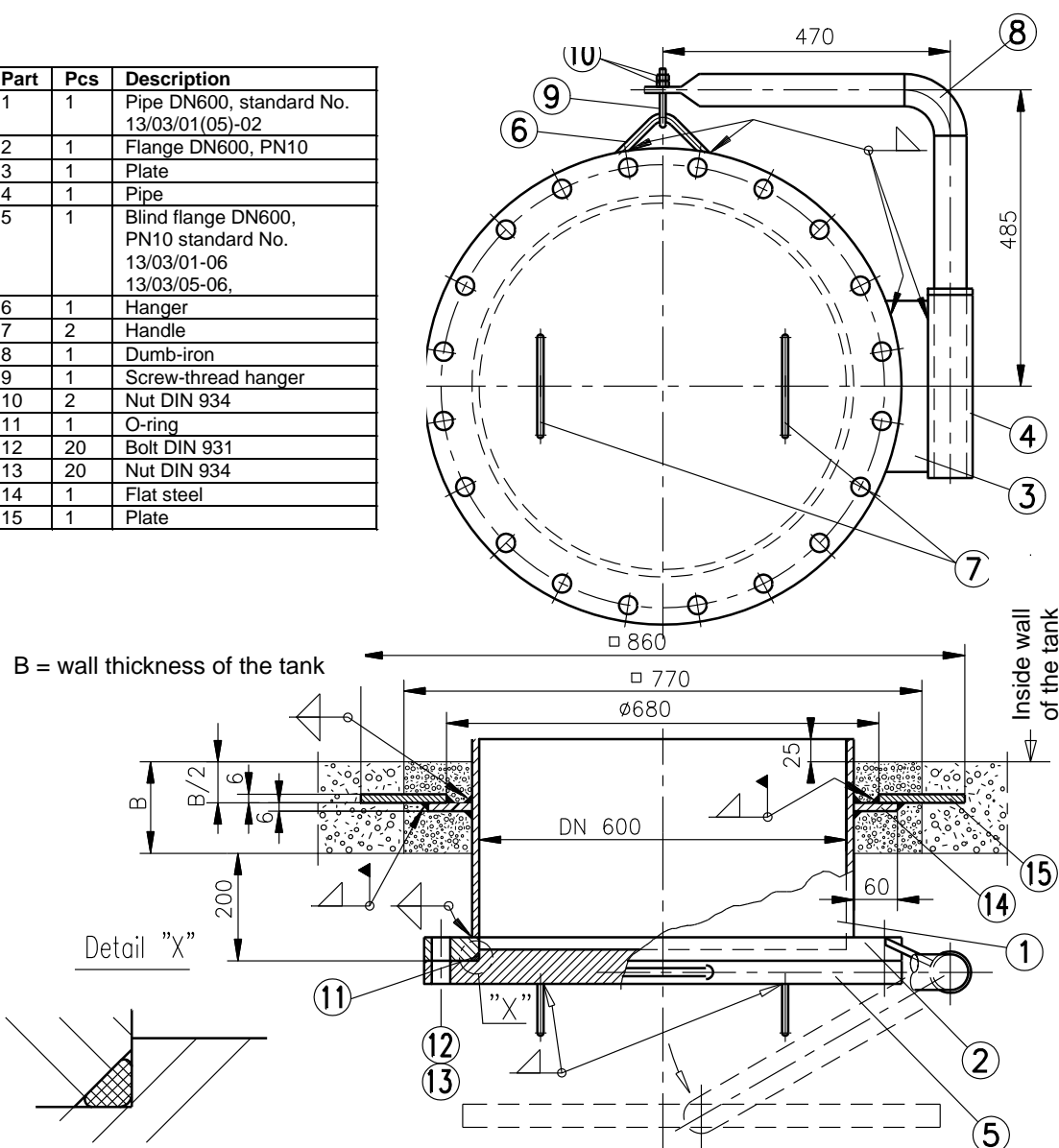
4.14 Manhole with the O – ring sealing that opens outwards and is not placed in the foundations.**1) Usage**

The manholes, introduced in this standard, will be used on concrete tanks in pulp and paper mills when they are not placed in the foundations.

The material for pulp mill 1.4571 or equivalent

The material for paper mill 1.4301 or equivalent

Part	Pcs	Description
1	1	Pipe DN600, standard No. 13/03/01(05)-02
2	1	Flange DN600, PN10
3	1	Plate
4	1	Pipe
5	1	Blind flange DN600, PN10 standard No. 13/03/01-06, 13/03/05-06,
6	1	Hanger
7	2	Handle
8	1	Dumb-iron
9	1	Screw-thread hanger
10	2	Nut DIN 934
11	1	O-ring
12	20	Bolt DIN 931
13	20	Nut DIN 934
14	1	Flat steel
15	1	Plate



2) Marking: Name, DN, B, allowed pressure, material, sealing material, standard number of the manhole
 600, 300, 3,5 bar, 1.4571, NBR, 10/01/04.14

Version: 02

Printouts, if any, are not controlled.

Printed on: 28.09.2022

Mondi Štětí a.s.	STANDARD 10.01.04	Page: 17/17
-------------------------	--------------------------	--------------------