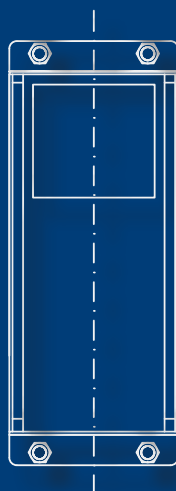
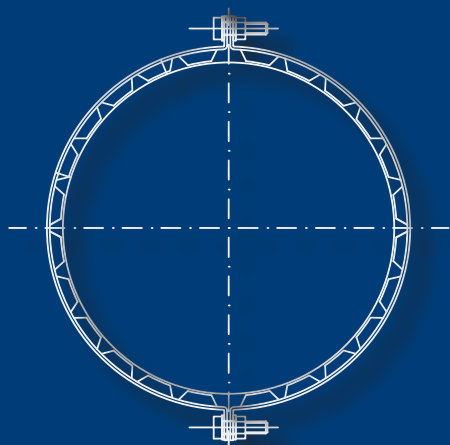


ACCESSORIES



Accessories for bridge drainage

Chapter 01

Page

- CE-connectors	04
- CE-transition connectors	04
- Rapid Inox connectors	05
- Connector / junction coupling	05
- Safety clamp guaranteeing tensile strength	06
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PIPE CONNECTORS

SUPPORT STRUCTURES

FLAPS AND COVER GRIDS

JACKET TUBES

JET DISTRIBUTORS

NICHE COVERS

HOPPERS

RECESS BODIES

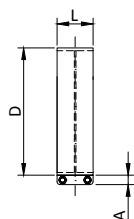


Product description/tender specification

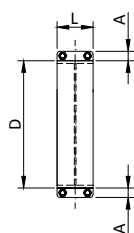
CE-connector / CE-transition connector according to DIN EN 877

profile clamp: material 1.4571 (A4)
locking parts: material 1.4401/1.4404 (A4)
sealing sleeve: EPDM (with centre web)
tightening torque: alternating, uniform

VIEWS



single-part up to ND 150



two-parts up to ND 300
 three-parts at ND 350
 four-parts at ND 400



CE-connector

OD pipe (mm)	A (mm)	D ≈ (mm)	L (mm)	Item no.
*60	14	65	48	11407
*76-78	14	83	48	11410
*108-110	18	115	54	14414
*133-135	18	140	65	11419
154	18	164	65	11423
*159-160	18	170	65	11427
*168	18	178	65	11430
*204-210	18	220	78	11432
*219-220	18	230	78	11440
254-256	18	268	78	11444
*272-274	18	286	78	11451
304-306	18	318	78	11454
*324-326	18	338	78	11459
356	18	368	78	11463
376	18	388	78	11466
406-408	18	433	130	11470
*427-429	18	454	130	11475

CE transition connector

OD pipe (mm)	A (mm)	D ≈ (mm)	L (mm)	Item no.
154/160	18	170	65	11395
*160/168	18	178	65	11398
200/204	18	214	78	11402
200/210	18	220	78	11404
210/220	18	230	78	11405

The items marked with an * are also available in material 1.4301 (A2)



Product description/tender specification

Rapid Inox connector according to DIN EN 877

profile clamp: material 1.4571 (A4)

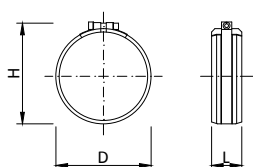
locking parts: material 1.4571 (A4)

screw, washer, square nut material 1.4401 (A4)

sealing sleeve: EPDM

tightening torque: until both clamping chucks make contact (block installation)

VIEWS



Rapid Inox connector

OD pipe (mm)	H ≈ (mm)	D ≈ (mm)	L (mm)	Item no.
60	80	70	39.5	15377
78	100	90	39.5	15379
110	135	125	45.4	15382
135	162	147	54.5	15384
160	187	172	54.5	15385
210	244	227	70	15387
274	306	278	91	15388
326	359	330	91	15389



Attention:

In combination with cast-iron drainage pipes only suitable for concreted and underground pipes

Product description/tender specification

Connector/transition connector

band clamps: material 1.4401 (A4)

sealing sleeve: EPDM

VIEWS



Connector/transition connector

OD pipe (mm)	H (mm)	Item no.
51	65	15042
51/60	90	18818



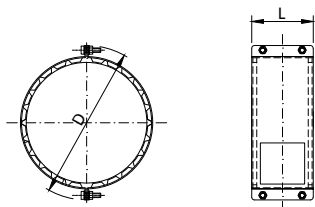
SAFETY CLAMP (WITH TENSILE STRENGTH)

HÖLLKO

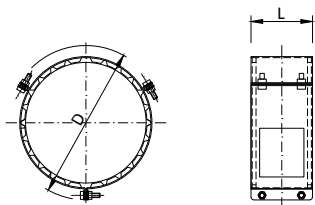
Product description/tender specification

Safety clamp (with tensile strength) for bridge drainage pipes, material 1.4571 (A4) suitable for CE-connectors and Rapid Inox connectors

VIEWS



two-parts up to ND 150



three-parts up to ND 350
four-parts at ND 400



Safety clamp (with tensile strength)

OD pipe (mm)	D ≈ (mm)	L (mm)	Item no.
60	145	85	18195
76-78	160	100	18196
108-110	195	100	18198
133-135	215	100	18200
154	235	100	18202
159-160	240	100	18203
168	250	100	18205
204	285	110	18207
210	290	110	18209
219-220	300	110	18210
254-256	335	110	18213
272-274	355	110	18215
304-306	390	110	18218
324-326	410	110	18220
356	460	170	18223
376	480	170	18224
406-408	510	170	18225
427-429	530	170	18227

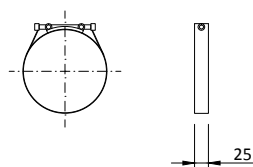


Product description/tender specification

Band clamp with pivot bolts, material 1.4571 (A4)

suitable for elastic pipe connectors, as well as stainless steel and GRP saddle pieces

VIEWS



GBS band clamp

ND	Clamping range (mm)	Clamping parts	Item no.
100	110-125	1	18470
125	136-150	2	18473
150	155-185	2	18478
200	205-235	2	18484
250	256-286	2	18490
300	305-343	2	18497
350	355-394	2	18503
400	408-446	2	18504
500	505-555	3	18511
600	605-655	3	18512

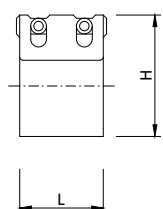
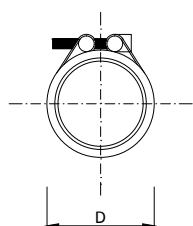
PIPE COUPLING (WITHOUT TENSILE STRENGTH)

HÖLLKO

Product description/tender specification

Pipe coupling (without tensile strength)
profile clamp: material 1.4404 (A4)
locking parts: material 1.4401/1.4404 (A4)
sealing sleeve: EPDM
tightening torque: specified on the typeplate

VIEWS



Pipe coupling (without tensile strength)

OD pipe (mm)	Pressure stage PN	H ≈ (mm)	D ≈ (mm)	L (mm)	Item no.
51	16	90	71	85	15933
60	16	99	80	85	15935
76	16	115	96	85	15936
108	16	147	128	85	15939
110	16	149	130	85	15940
114	16	153	134	85	15941
133	16	177	155	110	15942
154	16	198	176	110	15943
160	16	204	182	110	15944
168	16	212	190	110	15945
204	16	248	226	110	15946
210	16	254	232	110	15947
219	16	263	242	110	15948
254	16	298	276	110	15949
273	16	317	295	110	15950
304	10	348	326	110	15951
324	10	368	346	110	15953
326	10	370	348	110	15954
356	10	414	384	140	15955
376	10	434	404	140	15956
406	2.5	464	434	140	15957
427	2.5	485	455	140	15958
430	2.5	488	458	140	15959
506	2.5	564	534	140	15961
530	2.5	588	558	140	15962
606	2.5	664	634	140	15963
616	2.5	674	644	140	15964
635	2.5	693	663	140	15965

Different dimensions, pressure stages, coupling widths, and materials upon request.



Product description/tender specification

Pipe coupling (with tensile strength)

profile clamp:

material 1.4404 (A4), claw ring material 1.4310 (A2)

locking parts:

material 1.4401/1.4404 (A4)

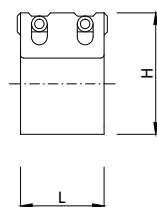
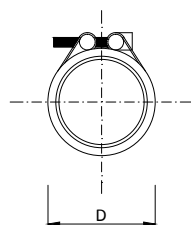
sealing sleeve:

EPDM

tightening torque:

specified on the typeplate

VIEWS



Pipe coupling (with tensile strength)

OD pipe (mm)	Pressure stage PN	H ≈ (mm)	D ≈ (mm)	L (mm)	Item no.
51	16	84	69	65	16008
60	16	93	78	88	16013
76	16	109	94	88	16019
108	16	142	126	88	16028
110	16	144	128	88	16029
114	16	149	133	88	16031
133	16	177	152	115	16034
154	16	202	177	115	16038
160	16	211	185	115	16040
168	16	219	194	115	16042
204	16	257	230	120	15966
210	16	263	236	120	15967
219	16	272	245	120	15969
254	8.75	307	280	120	15971
273	8.75	326	299	120	15972
304	7.5	357	330	120	15973
324	7.5	377	350	120	15974
326	7.5	379	352	120	15975
356	6.0	409	382	120	15976
376	6.0	429	402	120	15977
406	6.0	460	433	120	15978
427	5.0	480	453	120	15979
430	5.0	483	456	120	15980
506	2.5	561	533	120	15982
530	2.5	585	557	120	15983
606	2.5	661	634	120	15986
616	2.5	671	644	120	15987
635	2.5	690	663	120	15990

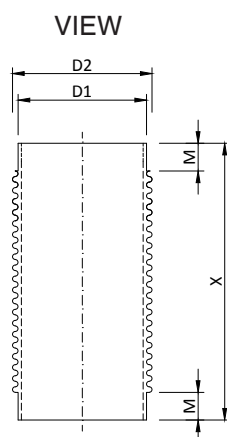
Different dimensions, pressure stages, coupling widths, and materials upon request.

For stainless steel pipes > ND 200, Höllko® must be queried for the applicable pressure stages



Product description/tender specification

Elastic pipe connection (bridge drainage hose) with spiral reinforcement
according to RIZ WAS 5 and 6
including band clamps, material 1.4571



In order to be able to compensate the movements between stationary components (counter bearings/pillars) and the moving parts (superstructure), bridge drainage hoses are required at this point.

At hose lengths of $x > 700\text{mm}$ the elastic pipe connector has to be secured against sagging by a support structure if installed horizontally.
See page 11

Elastic pipe connection

OD pipe (mm)	M (mm)	D1 ≈ (mm)	D2 ≈ (mm)	Number Band clamps	Item no. X = 400mm	Item no. X = 500mm	Item no. X = 600mm	Item no. X = 800mm
60	50	70	82	2	12596	12597	12598	12599
76-78	50	88	92	2	12611	12612	12613	12616
108-110	50	120	124	2	12635	12648	12649	12651
133-135	50	145	149	2	12691	12693	12694	12696
154	50	164	176	2	12722	12725	12711	12715
159-160	50	170	176	2	12740	12728	12732	12744
168	50	178	192	2	12761	12772	12771	12759
204	50	214	230	2	12799	12804	12801	12803
210	50	220	236	2	12811	12807	12817	12809
219-220	50	230	246	2	12837	12842	12841	12839
254-256	50	266	291	2	12870	12880	12885	12883
272-274	50	284	309	2	12900	12887	12886	12902
304-306	50	316	341	2	12906	12917	12907	12912
324-326	50	336	361	2	12954	12946	12943	12942
356	75	366	392	4	12966	12971	12967	12969
376	75	386	412	4	12973	12974	12975	12976
406-408	75	418	443	4	12997	13005	13007	12996
427-429	75	441	464	4	13019	13010	13020	13021
506	75	518	542	4	13028	13029	13030	13032
532	75	544	568	4	13052	13053	13054	13056
606	75	618	642	4	13066	13067	13068	13069
616	75	628	652	4	13073	13074	13075	13076
635	75	647	671	4	13095	13096	13097	13098

Other rated widths and lengths upon request

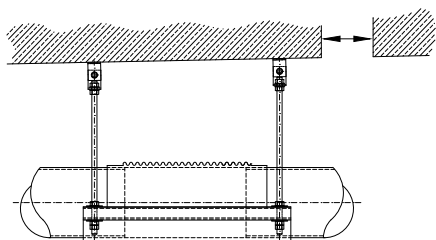


Product description/tender specification

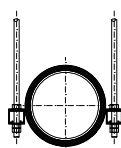
Support structure for elastic pipe connectors material no. 1.4571 (A4)

Structure according to the static requirements and the local conditions

VIEW



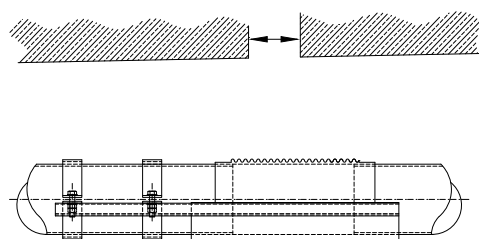
SECTION



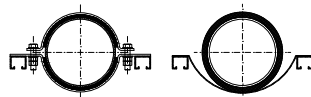
Installation 1 (example)

Stainless steel half shell with
attachment on the superstructure

VIEW

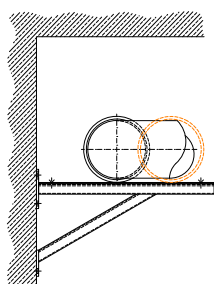


SECTIONS

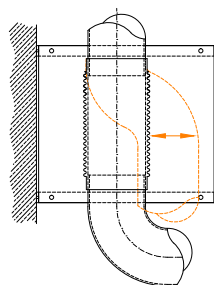


Installation 2 (example)

Stainless steel half shell with
attachment on the pipe
by means of pipe clamps



VIEW



TOP VIEW

Installation 3 (example)

Stainless steel glide plate with
console attachment



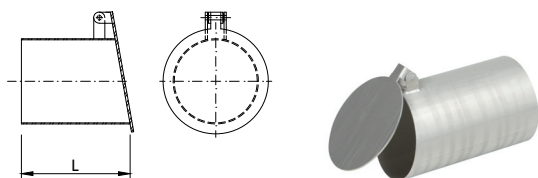
FLAP GATE - BACKFLOW FLAP GATE

HÖLLKO

Product description/tender specification

Flap gate made of stainless steel, material 1.4571 (A4)

VIEWS



Flap gate

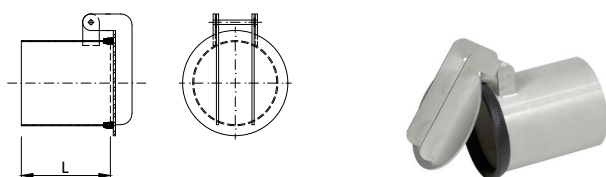
Pipe OD (mm)	L (mm)	Item no.
60.3	250	13586
76.1	250	13599
108	250	13603
133	250	13607
154	250	13611
159	250	13615
168.3	250	13624
204	250	13628
206	250	13632
219.1	250	13635
254	500	13639
304	500	13641

Other dimensions and lengths upon request

Product description/tender specification

Backflow flap gate made of stainless steel, material 1.4571 (A4) with rubber seal

VIEWS



Backflow flap gate

Pipe OD (mm)	L (mm)	Item no.
108	200	12349
133	200	12350
154	200	12351
159	200	12352
168.3	200	12353
204	200	12354
206	200	12355
219.1	200	12356
254	300	12357
304	300	12358
406	300	12360
506	300	12361
606	300	12362

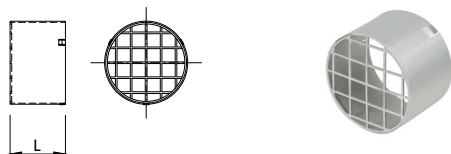
Other dimensions and lengths upon request



Product description/tender specification

**Cover grid made of stainless steel, material 1.4571 (A4)
mesh width 27 x 27mm**

VIEWS



**When ordering, please
specify the following items:**

- **Inner pipe diameter ID**

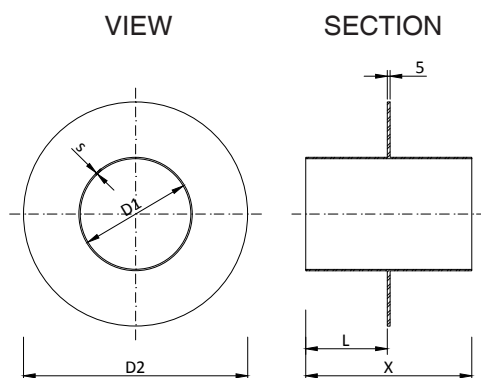
Cover grid

Pipe OD (mm)	Pipe ID (mm)	L (mm)	Item no.
51	45,8	50	20687
60,3	55,1	50	20688
76,1	72,1	50	20689
108	104	50	20690
133	129	75	20691
154	150	75	20692
159	155	75	20963
204	200	75	20694
254	250	100	20695
304	300	100	20696
406	400	150	20697
506	500	150	20698
606	600	150	20699

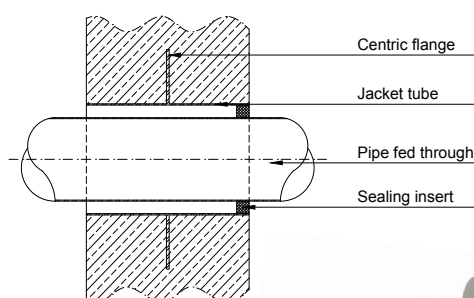
Other dimensions and lengths upon request

Product description/tender specification

**Jacket tube made of stainless steel with centric flange,
material 1.4571 (A4)**



SECTION (example installation)



Jacket tube with centric flange

D1 (mm)	D2 (mm)	s (mm)	Item no. X = 200mm L = 100mm	Item no. X = 300mm L = 150mm
104	208	2	21141	21152
129	233	2	21242	21153
150	254	2	21143	21154
200	304	2	21144	21155
250	356	3	21145	21156
300	406	3	21146	21157
350	456	3	21147	21158
400	508	4	21148	21159
450	558	4	21149	21160
500	608	4	21150	21161
600	710	5	21151	21162

Different materials and dimensions upon request

Suitable sealing inserts on page 14





Product description/tender specification

**Ring seal for pipe penetration
sealing against pressing water (DIN 18 337)
screw connection stainless steel A4**



Ring seal (pressing water)

Jacket tube ND	Media pipe OD (mm)	Item no.
150	76	14436
150	110	14437
150	114	14438
150	125	14439
200	108	14440
200	110	14441
200	114	14442
200	133	14444
200	135	14445
200	140	14446
200	154	14447
200	159	14448
200	160	14449
200	168	14450
250	154	14457
250	160	14458
250	168	14459
250	200	14460
250	204	14454
250	210	14455
250	220	14456
300	200	14462
300	204	14463
300	206	14464
300	210	14465
300	220	14466
300	250	14467
300	254	14470
300	256	14468
300	274	14469

Other dimensions and materials upon request



Product description/tender specification

**Ring seal made of stainless steel, material 1.4571 (A4)
sealing against non-pressing water (DIN 18 337)
with 1 sealing ring**



Ring seal (non-pressing water)

Jacket tube ND	Media pipe OD (mm)	Item no.
150	78-110	15441
200	105-141	15445
250	142-180	15449
300	181-230	15453
350	231-280	15458
400	281-338	15462
450	339-380	15466
500	381-430	15470
600	431-530	15475
700	531-620	15479
800	621-720	15482

Other dimensions and materials upon request

Product description/tender specification

**Ring seal made of stainless steel, material 1.4571 (A4)
sealing against pressing water (DIN 18 337)
with 2 sealing rings**



Ring seal (pressing water)

Jacket tube ND	Media pipe OD (mm)	Item no.
150	78-110	15440
200	105-141	15444
250	142-180	15448
300	181-230	15452
350	231-280	15457
400	281-338	15461
450	339-380	15465
500	381-430	15469
600	431-530	15473
700	531-620	15477
800	621-720	15480

Other dimensions and materials upon request

**When ordering, please
specify the following items:**

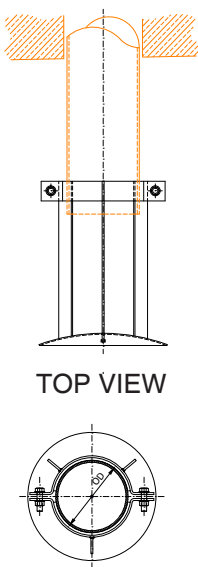
- Inner diameter jacket pipe
- Outer diameter media pipe

Product description/tender specification

Jet distributor made of stainless steel, material 1.4571 (A4)

To distribute the water in free-fall drainages

VIEW (example of installation)



Jet distributor

ND	Item no.
100	18552
125	18555
150	18557
200	18558

When ordering, please specify the following items:

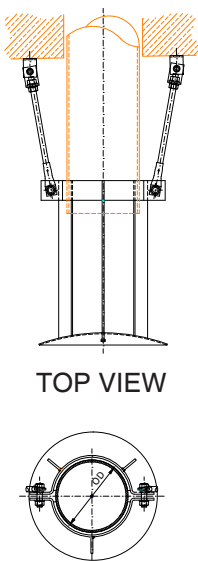
- Outer pipe diameter OD

Product description/tender specification

Jet distributor made of stainless steel, material 1.4571 (A4), with fixing elements

to distribute the water in free-fall drainages, without anchoring material

VIEW (example of installation)



Jet distributor with fixing elements

ND	Item no.
100	18553
125	18554
150	18556
200	18559

When ordering, please specify the following items:

- Outer pipe diameter OD



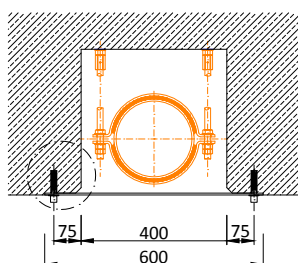
Product description/tender specification

Niche covers for down pipes
plate thickness 3mm, plate width 600mm
including core thread dowels and screws M8 made of stainless steel, material 1.4401 (A4)
insertion depth of the dowels 33mm

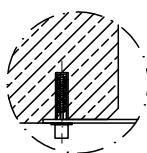
Available in the following materials

- Stainless steel 1.4571 (A4)
- Aluminium anodised

SECTION (example of installation)



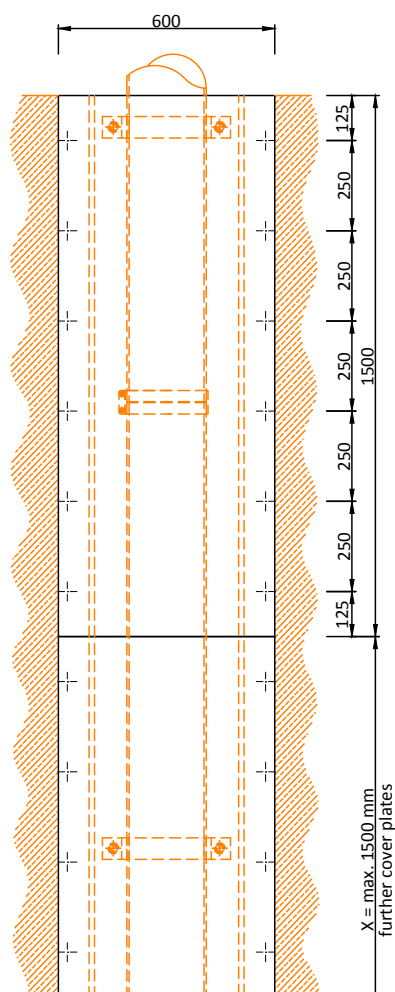
DETAIL (attachment)



Niche cover

Material	Item no.
Stainless steel 1.4571	10056
Aluminium anodised	10055

VIEW (example of installation)



When ordering, please specify the following items:

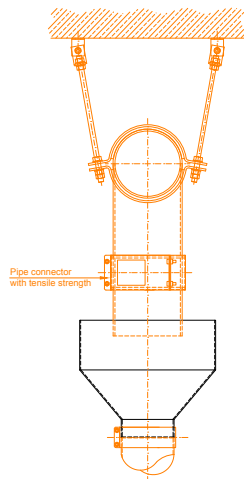
- Length of the cover
- Plate width if deviating from standard

Product description/tender specification

Hopper made of stainless steel, material 1.4571 (A4)

For accepting and discharging the water of the drainage line
For longitudinal and/or transverse movements of the bridge building

SECTION (example of installation)



Hopper

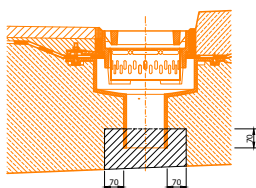
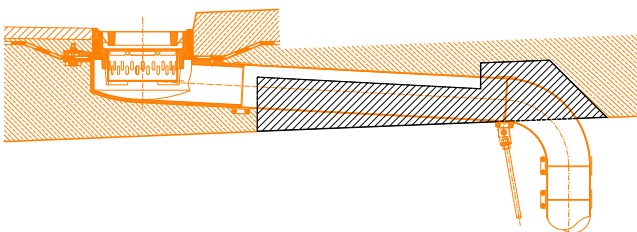
Production according to customer's specification

Product description/tender specification

Recess body made of polystyrene for concreting

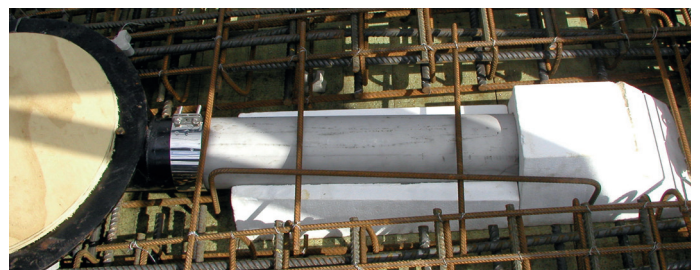
To generate an recess within the concrete

SECTIONS (example of installation)



Recess body

Production according to customer's specification







HÖLLKO

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ACCESSORIES FOR BRIGDE DRAINAGE SYSTEMS 2015 - DATING FROM JANUARY 2015.