

Instruction Manual

OCEAN Main Drain



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Preface to installation and operation manual

The installation and operation manual shall support and simplify the various types of main drains and use them according to their designated applications.

The installation and operation manual contains important advice for safe, appropriate and economic operation of the main drain. Compliance with the regulations will help to:

- x avoid danger
- x avoid repair expenses and breakdown
- x improve the reliability and life span of the inlet nozzles

← - - - **Formatiert:** Nummerierung und Aufzählungszeichen

Designated application

The main drain must only be used in following pool types:

- x steel wall pools with foil
- x polyester pools
- x solid pools concrete and Styrofoam

← - - - **Formatiert:** Nummerierung und Aufzählungszeichen

All other applications are not considered 'appropriate' and the manufacturer cannot be held liable for any claims resulting thereof.

Warranty and liability

All warranties shall be in conformance with European Union rights.

Any warranty or personal liability claims shall be considered as 'inappropriate', if caused by one or more of the following reasons

- x inappropriate use of the main drain
- x unprofessional installation, operation and servicing of the main drain
- x installation, operation and maintenance of the main drain without paying attention to the installation and operation manual
- x unprofessional repairs of the inlet nozzles
- x damages caused due to weather related forces and/or natural disasters

← - - - **Formatiert:** Nummerierung und Aufzählungszeichen

1 General

1.1 Types

1.1.1 Ocean main drain PT for linier pools with PT screws (Part #: 170842)

Screw blind frame with 8x screws PT. Premium screws PT (stainless steel A4) are specially developed screws for thermoplastic, which are screwed directly into the plastic.

Advantages: *) Screw does not get stuck on another metal part due to corrosion
*) Reduction of metal parts in the pool area to a minimum, since no thread inserts are needed

1.1.2 Ocean main drain M5 for liner pools with M5 screws (Part #: 170843)

The body of the main drain contains premium thread inserts (stainless steel A2).
Screw blind frame with the 8 x M5 premium screws (stainless steel A4)

Differences between both types:

-) Screws

-) Ocean screw set PT
-) Ocean screw set M5

-) Stainless steel thread inserts

If a main drain PT needs to be converted to be a M5, stainless steel thread inserts M5 need to be screwed in the second, therefore designated flange image.

All other parts are identical with both types.

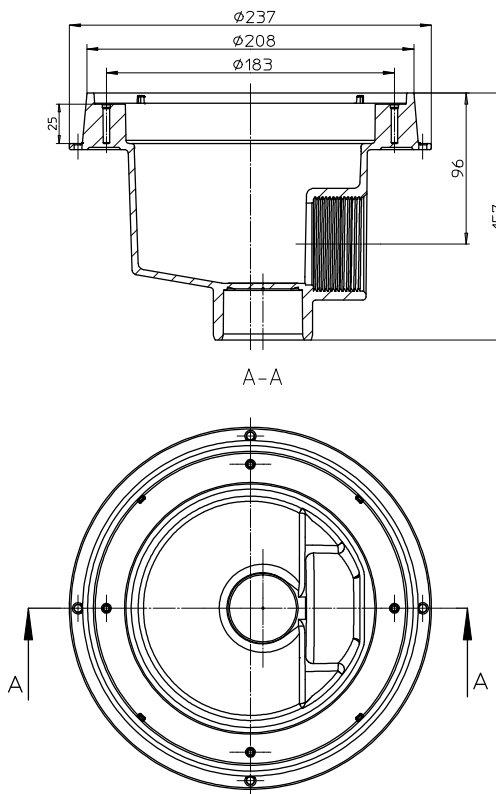
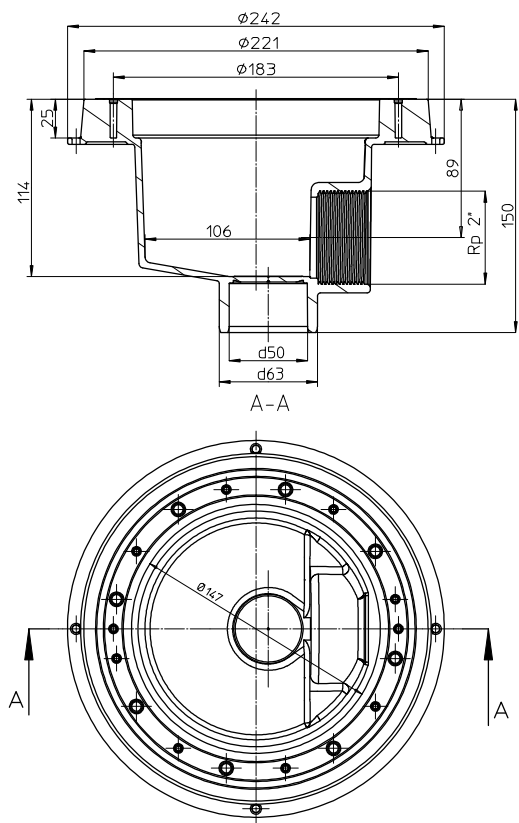
1.1.3 Ocean main drain for tile- and concrete pools (Part #: 170844)

The grated lid is screwed together with the body with 2x PT screws.

1.2 Main dimensions and pipe connections

Body main drain liner pool:

Body main drain concrete pool:



At the main drain there are 2 pipe connections:

-) Female thread (IG 2" BSP)



ATTENTION: Do not seal female thread 2" with manila!



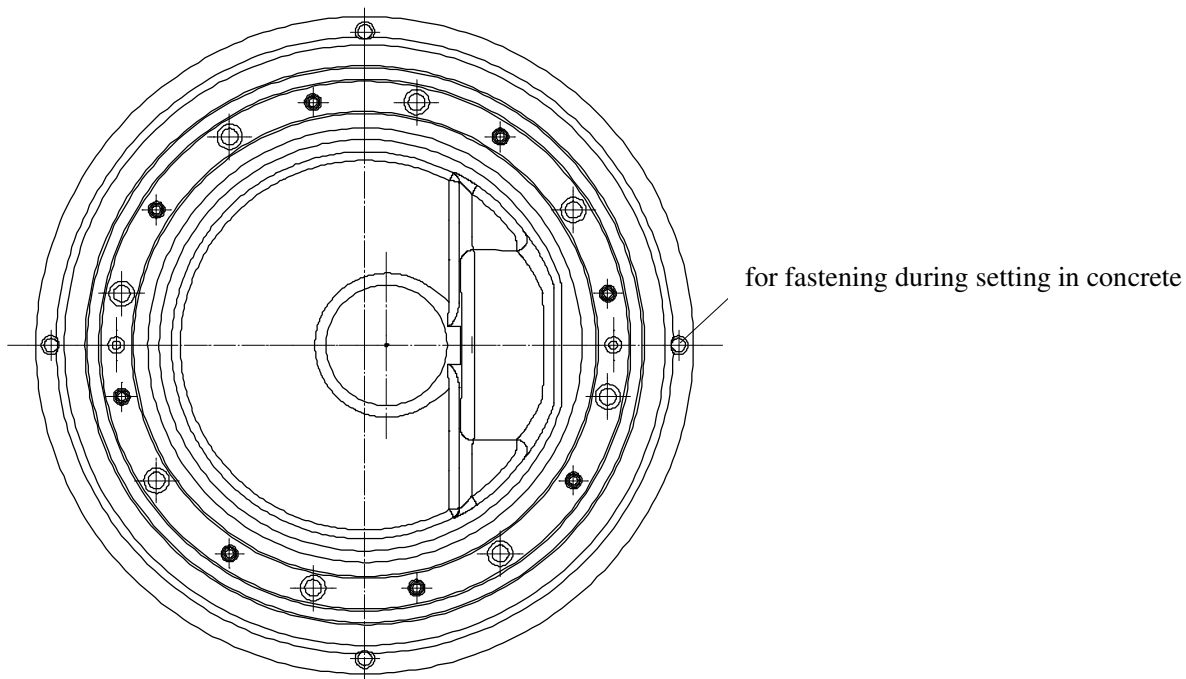
NOTICE: It is recommended to seal the thread with PTFE-thread sealing tape!

-) metric glue connection (nozzle d63mm and socket d50mm)
(to break through)



NOTICE: For gluing it with the PVC pipe we recommend TANGIT, SABA!

1.3 Flange connection

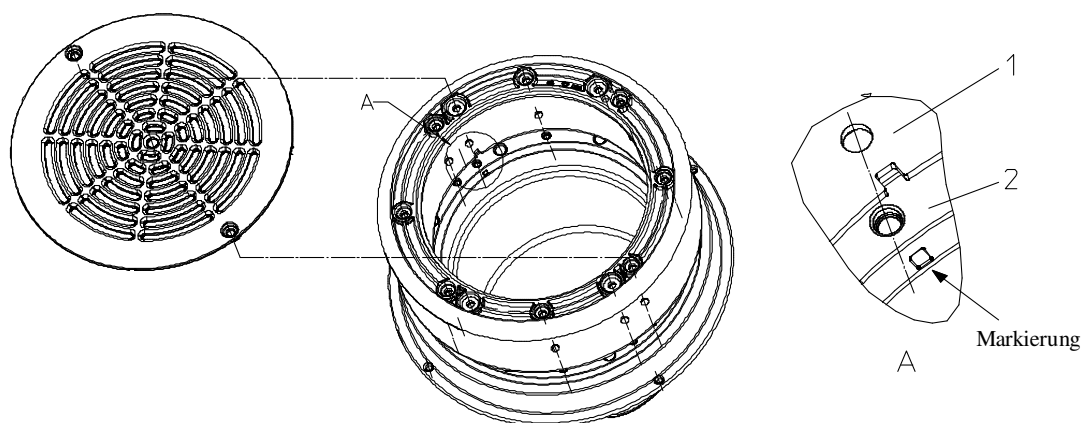


- ⊕..... Flange for PT screws
- ⊕..... Flange for M5 screws
- ⊕..... For screwing with grated lid

Advantages of the OCEAN main drain:

- ✓ 2 different flange connections (choice between PT und M5)
- ✓ 2 different connections (1x thread and solvent)
- ✓ no step in the body, i.e. body is always fully emptied
- ✓ solid assembly
- ✓ blind frame and grated lid were adjusted as flat as possible to the pool wall

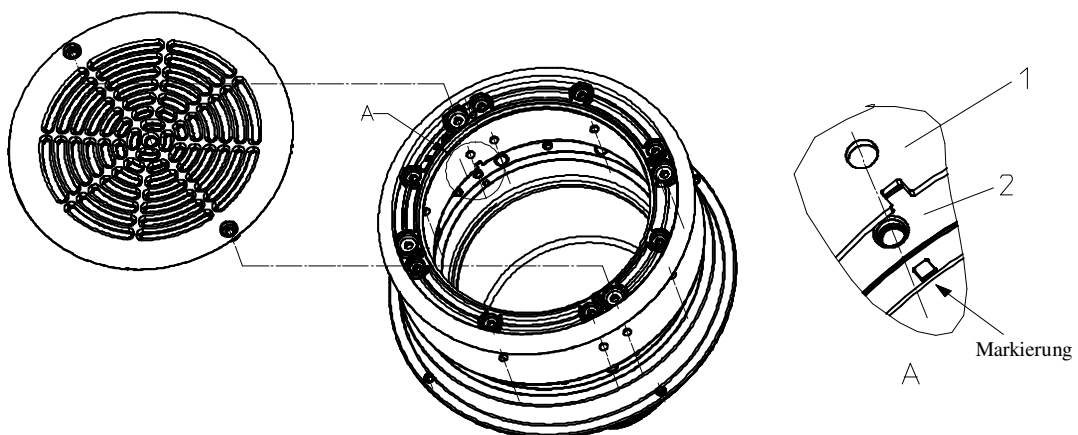
1.4 Installation of gasket, blind frame and grated lid at the body for type with PT screws



- 1) Gasket
- 2) Body main drain

The cut for the gasket has to be done exactly where marked (at the body)

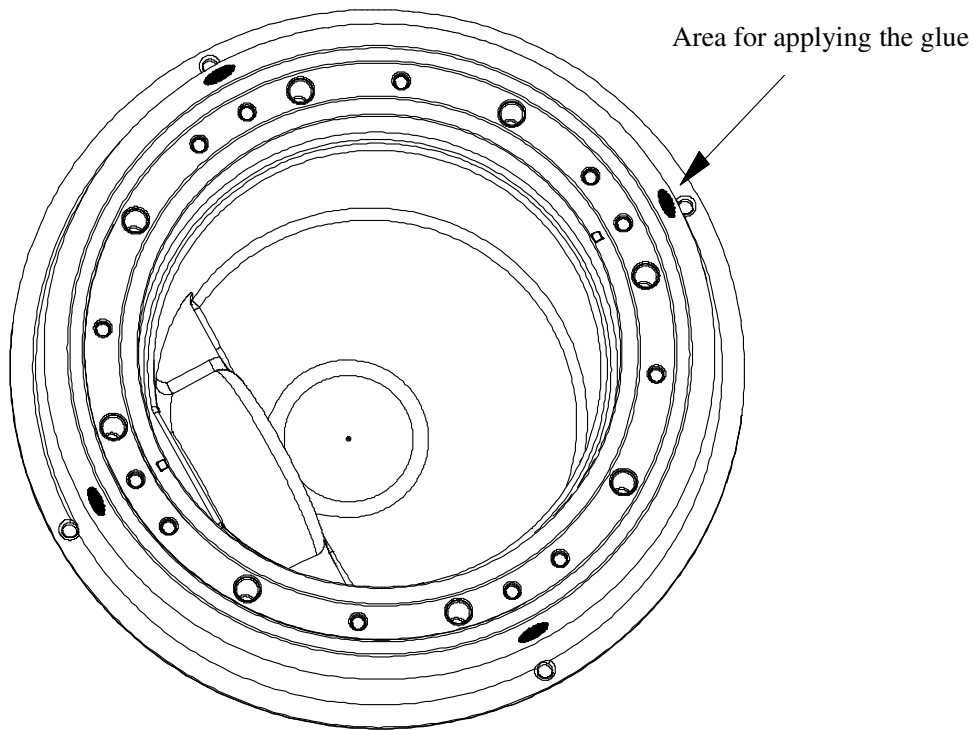
1.5 Installation of gasket, blind frame and grated lid at the body for type with M5 screws



- 1) Gasket
- 2) Main drain body with stainless steel thread inserts M5

The cut for the gasket has to be done exactly where marked (at the body)

1.6 Applying the glue



In order to secure the position of the gasket during applying the foil, the seal should be fixed to the body on approx. 4 glue areas (see drawing).

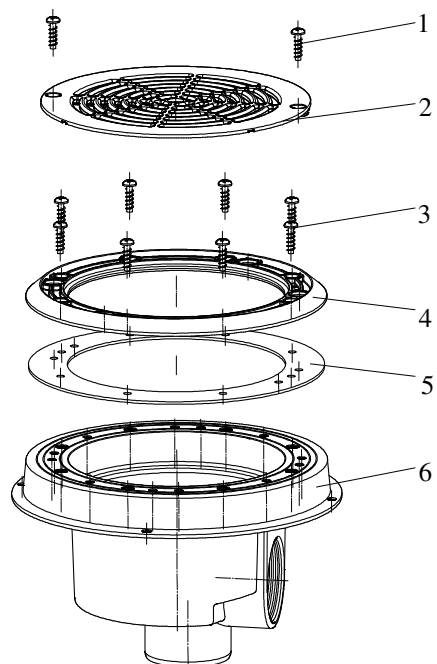


WARNING: *Do not apply too much glue. Just dots!*
We do recommend PVC glue (TANGT, SABA)!

2 Installation types

2.1 Main drain for liner pools

Components:



- 1) 2x PT screws
- 2) Ocean grated lidPart. #: 150432
- 3) 8x PT screws
- 3) 8x M5 screws
- 4) Blind frame
- 5) Gasket for main drain
- 6) Main drain body for liner pools
- 6) Main drain body with thread inserts M5 for liner pools

Spare parts:

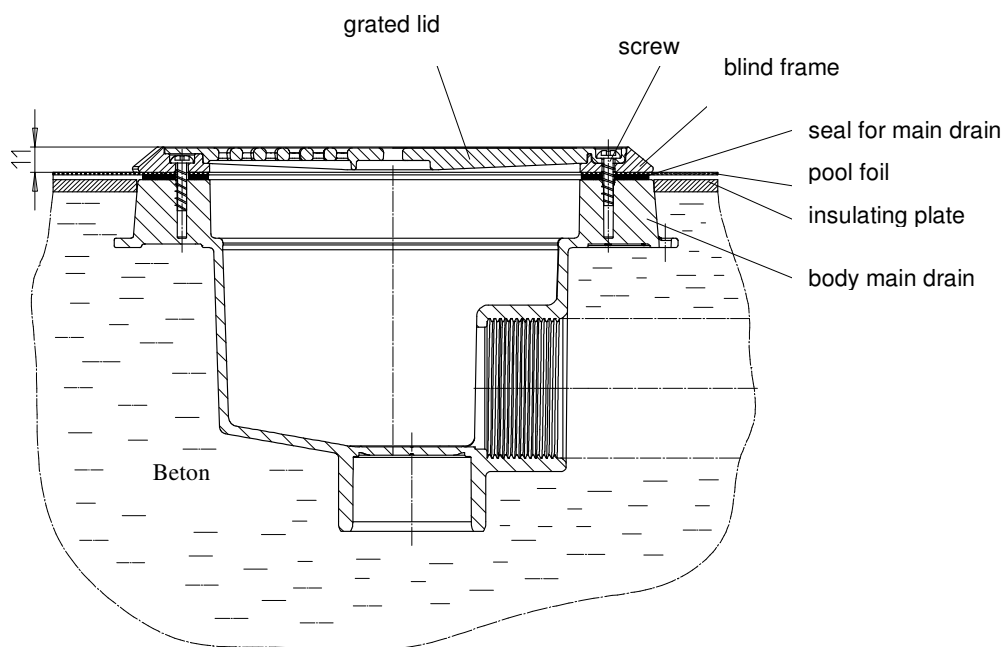
Ocean grated lidPart. #: 150432

Ocean blind frame setPart. #: 170845

contains:

- *) Ocean grated lid
- *) blind frame
- *) gasket for Ocean main drain

Installation of the main drain in the liner pool:



Assembly instructions:

- 1) Insert the main drain and the pre installed pipe in the pool floor, stick on the installation safety foil and concrete.
Please mind that the top flange ring of the main drain is at the same level as the concrete. Safe-to-stand-on insulating plates can be put on the floor for insulation.



Notice: The main drain is now higher than the concrete due to the insulation.

Notice: The information about the chemical resistance of ABS is only a guideline. Changes or characteristics in the composition of the medium (i.e. liquid concrete, concrete, silicone, filling foam) as well as special operating conditions may lead to variations. In case of doubt it is recommended to test the material behaviour (components, white goods) by carrying out trials. The information about the ABS does not justify any warranty claims!



ATTENTION: *Please mind bracing, distortion and pressure!*

- 2) Place the gasket between main drain and foil
- 3) Screw together blind frame with the correct flange connection of the body
- 4) Screw together grated lid and body with PT screws



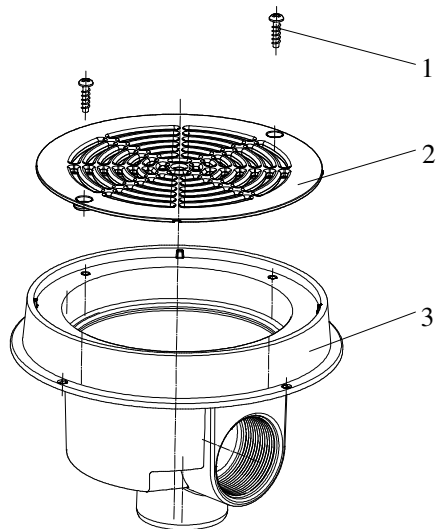
ATTENTION: For screwing with AKKU screwdriver:

Screwdriver speed = max. 500 rpm

Force = max. 2Nm

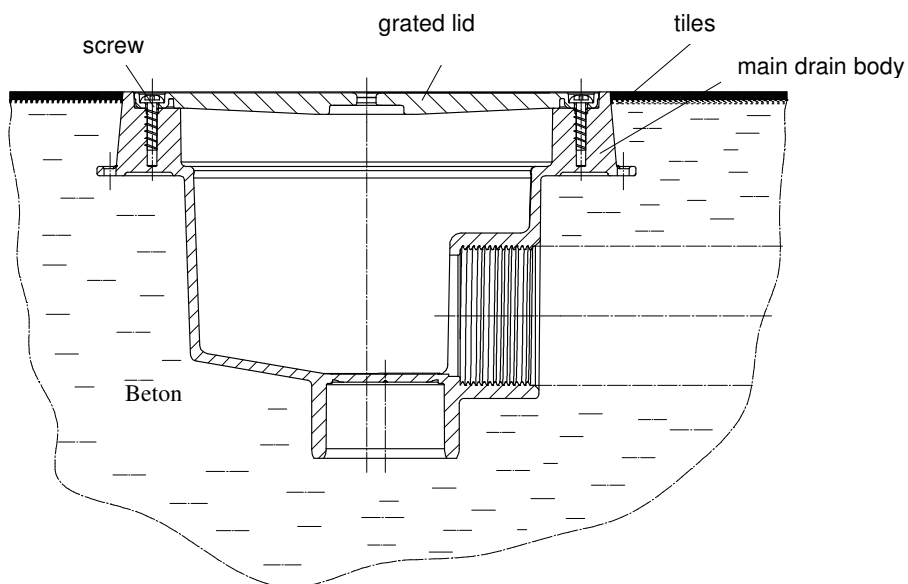
2.2 Main drain for tile- und concrete pools

Components:



- 1) 2x PT screws
- 2) Grated lidPart.#: 150432
- 3) Main drain body for tile- and concrete pools

Installation in tile pools:



Assembly instructions:

- 5) Insert the main drain and the pre installed pipe in the pool floor, stick on the installation safety foil and concrete.
Please mind that the top flange ring of the main drain is at the same level as the concrete. Safe-to-stand-on insulating plates can be put on the floor for insulation.



Notice: The main drain is now higher than the concrete due to the insulation.

Notice: The information about the chemical resistance of ABS is only a guideline. Changes or characteristics in the composition of the medium (i.e. liquid concrete, concrete, silicone, filling foam) as well as special operating conditions may lead to variations. In case of doubt it is recommended to test the material behaviour (components, white goods) by carrying out trials. The information about the ABS does not justify any warranty claims!



ATTENTION: *Please mind bracing, distortion and pressure!*

- 1) Remove installation safety foil and screw together grated lid and body with PT screws.



ATTENTION: For screwing with AKKU screwdriver!
Screwdriver speed = max. 500 rpm
Force = max. 2Nm

3 General remarks



Notice: *While changing the pool foil*

*Please take care, that after changing the pool foil, the thread that is cut by using the PT screws, is used again for re-screwing the blind frame.
Turn the screw anti-clockwise until it 'jumps' into the thread.*



**The national and regional building regulations have to be followed and kept!
Prior to finishing the work it has to be test for tightness!**