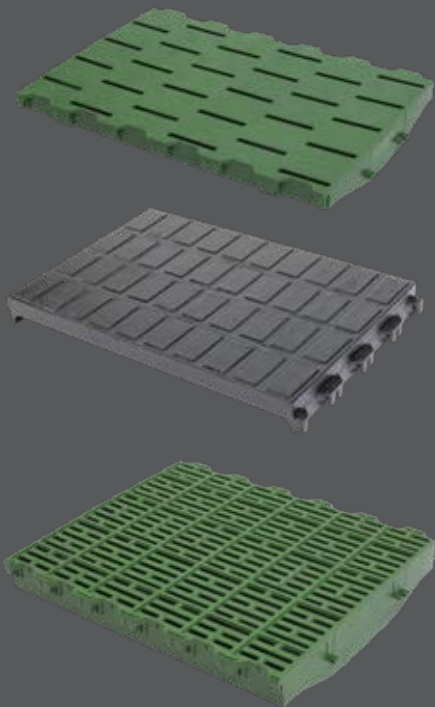




## COMBI-FLOOR

**Complete flooring program for your farm**



- Tested and approved plastic slats in high quality from our own production in Germany
- Wide assortment of the plastics slats, cast iron slats, supports and heating plates
- High flexibility - the components can be combined according to your needs
- Competitive prices, short delivery time
- Green color as a sign of good quality
- No recycling

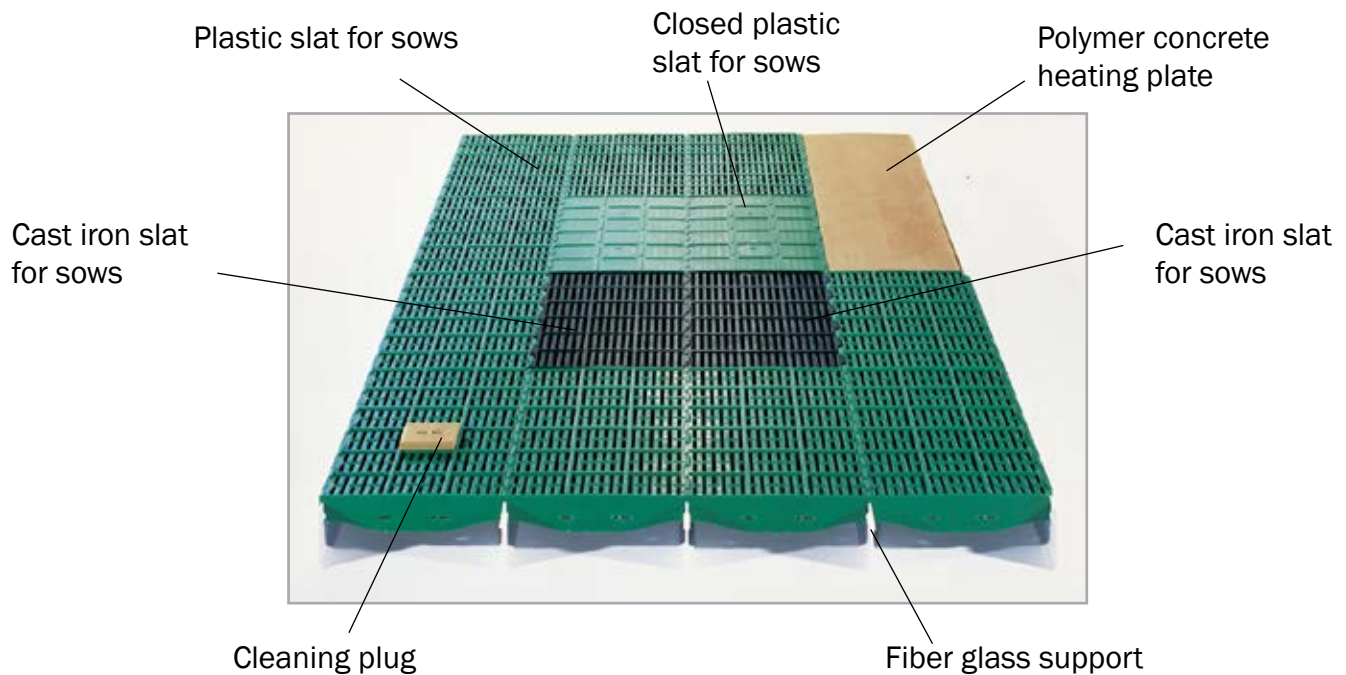




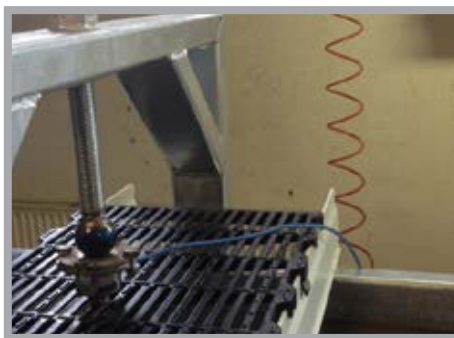
# COMBI-FLOOR

Complete flooring program according to German quality standards

Master Trading offers a complete flooring program for pig stalls. Our plastic and cast iron slats have been on the market for 30 years and they are under constant development and optimization. Master Trading plastic slats are produced and tested in Germany, and it helps to ensure the best quality and durability.



Plastic slats produced in Germany, which ensures high quality and fast delivery.



We ensure our quality through impartial quality controls.



Strict quality control of raw materials - during and after the production.

# CAST IRON SLATS FOR COMBI-FLOOR

## Development process



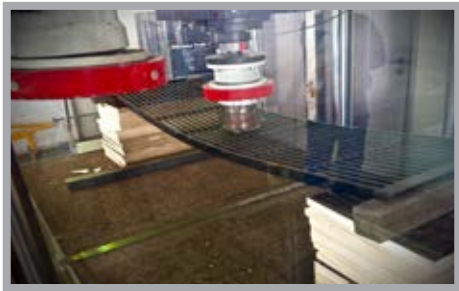
### STEP 1

New ideas at R&D department at ACO FUNKI in Denmark → This is transferred to ACO India, who has competent engineers, to make the drawings. Furthermore they make use of modern simulation systems – FEA, where they can compare the deflection and stress level to obtain the right level of loading.



### STEP 2

The first sample of the product is being checked according to the high quality standards. With many years of strong quality behind us, quality control is an essential factor throughout the production process, guaranteeing unchanging standards of high quality you can trust.



### STEP 3

We further test our products at external partners to ensure that we do not only deliver high quality, but the best quality on the market.



### STEP 4

When the product has been through our quality assurance program and ensured us the best product on market, the production of the final product starts.



### STEP 5

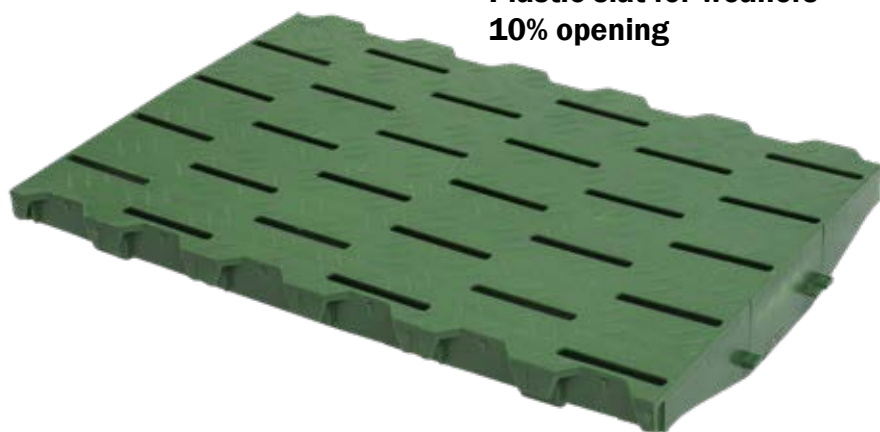
To cover our customers need, we finally stock pile our cast iron gratings, to ensure that you get faster deliveries.

# PLASTIC SLATS FOR COMBI-FLOOR

Special slats for sows and weaners

Master Trading sow slats consist of durable polypropylene material. The slats' surface structure is specially adapted to the animals anatomy, and it ensures very good slip resistance and, at the same time, high comfort.

**Plastic slat for weaners  
10% opening**



The special plastic slate has an innovative surface structure and 10% opening. It helps the piglets stay warm and dry. In addition, it excludes the risk of their claws to be caught in the holes.



**60x40 cm  
10% opening**

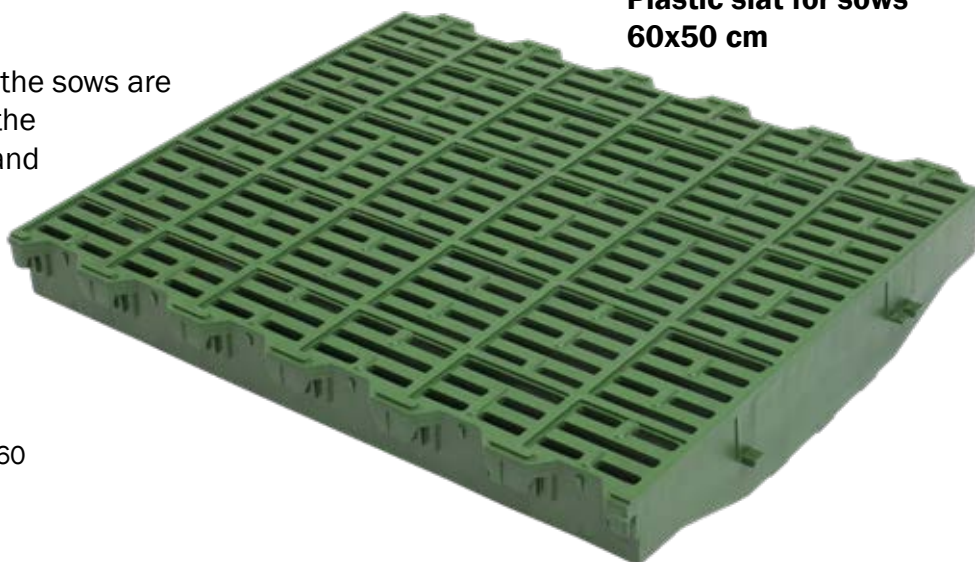
Article nr. 18604

Master Trading has developed a new 60x50 cm plastic slat for sows. It makes it possible to make farrowing pen, where you can combine it with a 50 cm heating plates.

It means *25% extra heating capacity* compared to the 40 cm heating plates.

The need has occurred because the sows are getting more piglets, and it sets the demand for larger piglets nests and heating plates for piglets.

**Plastic slat for sows  
60x50 cm**



**60x50 cm**

Article nr. 565060



# PLASTIC SLATS FOR COMBI-FLOOR

Many combinations for any need



**Plastic slat for sows  
30x60 cm**

Article nr. 18721



**Plastic slat for weaners  
60x40 cm**

Article nr. 09100



**Plastic slat for sows  
60x40 cm**

Article nr. 09102



**Plastic slat for weaners  
60x50 cm**

Article nr. 17384



**Plastic slat for sows  
60x40 cm closed**

Article nr. 17383



**Plastic slat for sows  
30x30 cm**

Article nr. 17328



**Plastic slat for sows  
10x40 cm**

Article nr. 18054



**Plastic slat for sows  
30x20 cm**

Article nr. 18094

# CAST IRON SLATS FOR COMBI-FLOOR

STEP-system for sows in farrowing pens

The STEP-system is especially designed to elevate the sow's lying area in order to reduce the risk of crushing the small piglets by the sow, thus, reducing piglets' mortality. Furthermore, customers' experience shows, that piglets have better conditions for nursing.



**40x60 cm STEP**

Article nr. 564061



**40x60 cm STEP closed**

Article nr. 564062

## Testimonial

"Increased productivity from 33,60 piglets per sow/year to 36,80 piglets per sow/year from January to August 2016. This increase in productivity was reached after rebuilding their farrowing pens with Master Trading's STEP-system. The farm has got several awards in Portugal for productivity."

*"Exploração Nuno Correia – Ota" farm, Portugal*

# CAST IRON SLATS FOR COMBI-FLOOR

One of the largest assortments in the industry

Slats with 5% opening is designed to reduce pressure sore while being sure that the sow has a dry and cool area.



**Cast iron slat  
60x40 cm 5% opening**

Article nr. 566041



**Cast iron slat  
10x60 cm**

Article nr. 561060



**Cast iron slat  
60x40 cm**

Article nr. 566040



**Cast iron slat  
40x60 cm closed**

Article nr. 564063



**Cast iron slat  
60x60 cm**

Article nr. 566060



**Cast iron slat  
40x60 cm**

Article nr. 564060



**Cast iron slat  
30x60 cm**

Article nr. 563060

# HEATING PLATES

“Made in Germany” as a sign of high quality

The heating plate is used in farrowing pens to ensure optimal comfort for piglets and better survival ability during the first few days. With Master Trading heating plate you get:



- Fast and equal heating
- Better heat utilization and lower energy consumption
- Good piglets welfare
- Optimal heat distribution
- Possibility for electrical or hot water heating plates
- Minimum maintenance
- Optimum growing conditions even for the smallest pigs
- The bottom is provided with insulated foil material -> heat rises upwards
- Stable and durable
- Easy and inexpensive installation

## EL-HEATING PLATE

**17582** L: 120 x W: 40E - 230V, 130W

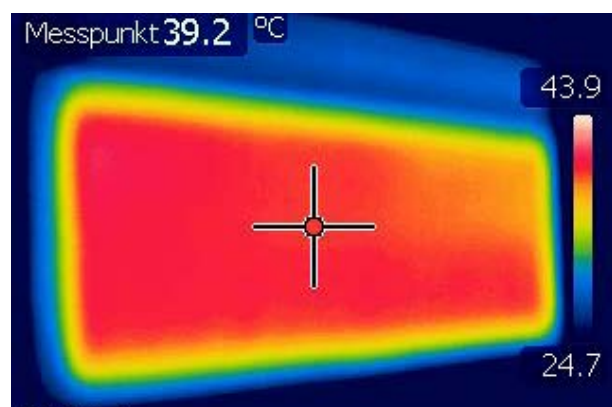
**18409** L: 120 x W: 50E - 230V, 180W

**17792** L: 120 x W: 80E - 230V, 270W

**18855** L: 140 x W: 50E - 230V, 180W

### CONNECTION:

In the Master Trading heating plate for EL, there are molded electric heating trends in the polymer concrete, which makes the installation easy and cheap. In this model it is possible to connect many plates in series, however a control unit will only cut handle up to 1250 W, but with a relay the control unit will handle 2500 W.

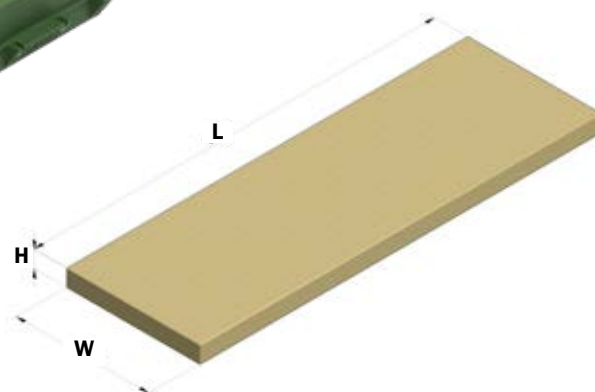


Even heat distribution



### Bracket kit for heating plate

Article nr. 4960560



## HEATING PLATE FOR HOT WATER

**12630** L: 140 x W: 50, 240W with ½" pipe int. thread PVC

**12631** L: 120 x W: 40, 240W with ½" pipe int. thread PVC

**12633** L: 120 x W: 50, 120W with ½" pipe int. thread PVC

**17813** L: 120 x W: 60, 160W

**17814** L: 120 x W: 60, 4S 4 sided

**17634** L: 120 x W: 60, 3S, 3 sided

**17640** L: 120 x W: 60, 2S 2 sided

### CONNECTION:

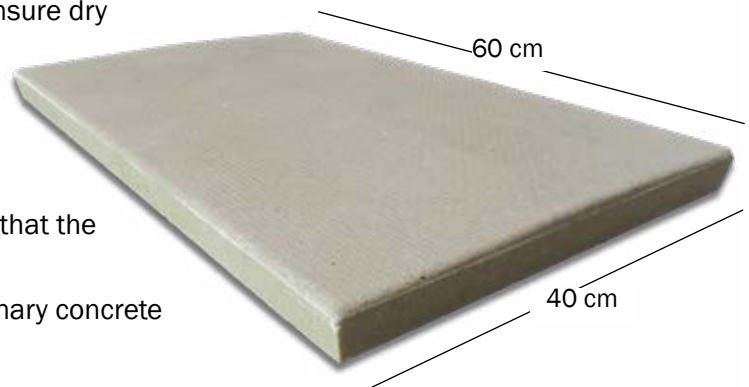
With Master Trading heating plate for water, there are molded high-pressure pipes in polymer concrete with clamp fittings, this makes the installation easy and cheap. In this model it is possible to connect the heating plates in series up to five units, where the temperature is regulated by one thermostat.



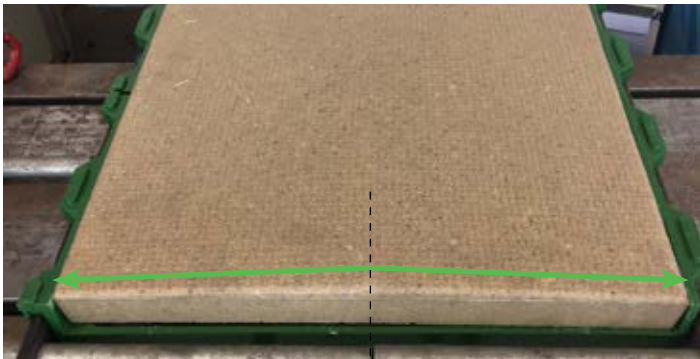
# COMFORT PLATE

Polymer plate for sows in farrowing pens

- Comfort Plate has dimensions of 60 x 40 cm, and the plate is developed in order to help sows to cool off and at the same time to ensure dry surface.
- The plate is made of polymer concrete, so the surface is always non-slip without sharp edges.
- The plate is supported and held in place by a specially designed plastic support, which ensures that the plate follows the floor surface.
- Comfort Plate can be used as a substitute for ordinary concrete tiles, if they have become rough in the surface.



## SUPPORT FOR COMFORT PLATE:



**560305**  
**560310**

Polymer plate for farrowing pen 60x40 cm  
Polymer plate for farrowing pen, complete



**560300** Plastic frame 20x40 cm for polymer plate,  
(3 pcs. per 1 polymer plate)



- Protects sows from shoulder damages
- Cools the sow off
- Non-slip surface
- No sharp edges
- Always dry surface
- Easy mounting
- Stronger than regular concrete

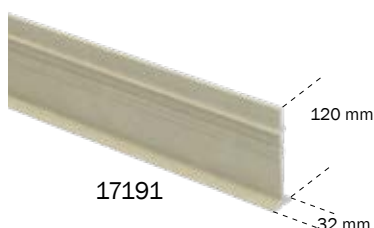
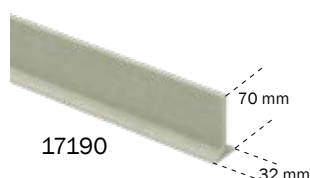


# SUPPORT AND ACCESSORIES

Fiber glass and Delta support

## 1. FIBER GLASS SUPPORT

Article nr.	Dimensions, mm	Length	Max span length, cm		
			Weaners	Sows	With cast iron under sow
17189	70 X 32	6 m	160	120	-
17190	70 x 32	Spec. length	160	120	-
17191	120 x 32	5 m	280	240	260
17192	120 x 32	5,5 m	280	240	260
17193	120 x 32	6 m	280	240	260
17194	120 x 32	Spec. length	280	240	260

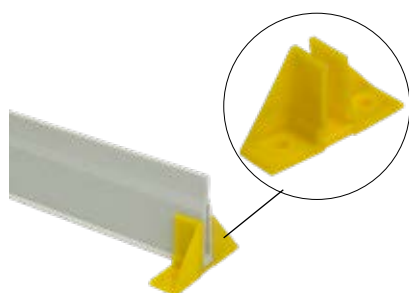


## 2. DELTA SUPPORT

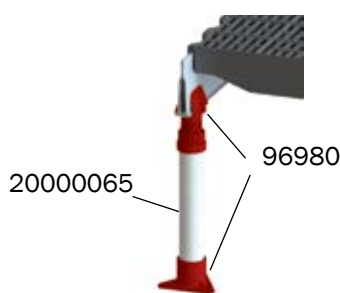
	Weaners		Farrowing pens
Bearings	60x60 cm	60x40 & 60x50 cm	60x40 & 60x50 cm
70 x 32 mm	1500 mm	1600 mm	-
120 x 32 mm	2600 mm	2800 mm	2500 mm*
120 x 30 (Delta)	2800 mm	30000 mm	2500 mm*

\* Regular farrowing pen: 3 supports under the sow

\* Welsafe farrowing pen: Supports under all bearings

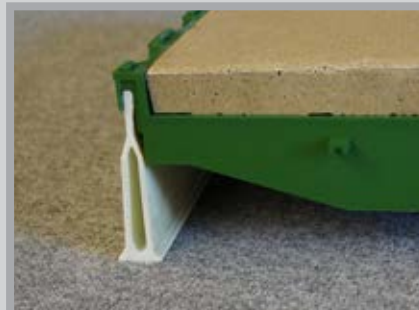
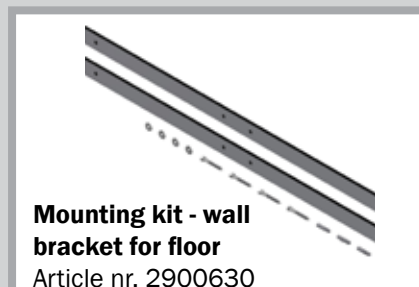


**Mounting bracket for fiber glass support**  
Article nr. 96982



**GLASFASERSTÜTZE**  
Artikelnr. 96980

**PVC ROHR Ø50 X 2,4 MM - 10 BAR, PREIS PRO METER**  
Artikelnr. 20000065



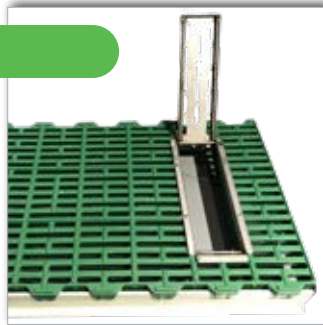
# ACCESSORIES FOR PLASTIC SLATS

Adjustment on spot

## NEW PRODUCT



**Muck trap for farrowing pen 31 x 11 cm, stainless steel**  
Article nr. 562600



**Muck trap for farrowing pen 38,5 x 18,5 cm, stainless steel**  
Article nr. 18169

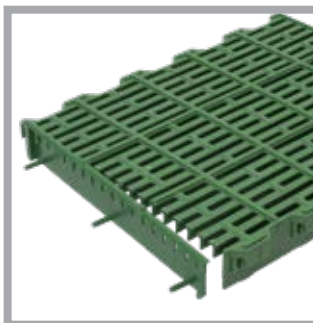
We offer all types of support and accessories for mounting plastic slats in farrowing pens.

Our solutions are well-known for the practical design and lower mounting costs as they usually do not require any special tools. Easy adjustment in length and width.

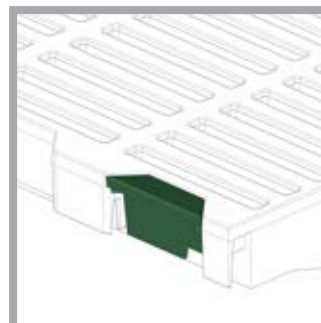
- Practical design
- Innovative solutions
- Lower mounting costs
- Easy adjustment in length and width



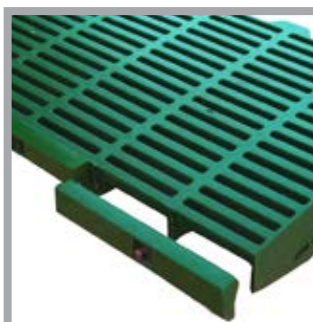
**Spacer for PVC floor 30 x 40 x 58,3 mm**  
Article nr. 8500301



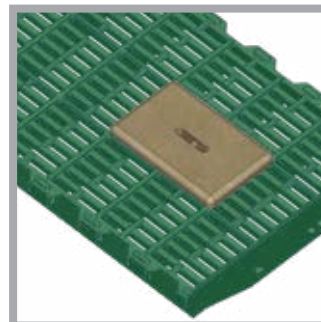
**Fitting for sow slat 40 cm**  
Article nr. 17667



**Filler for green plastic slat**  
Article nr. 09105



**Cross-section adapter, 20 cm**  
Article nr. 18083



**Cleaning plug L13 x B10 x H15 cm**  
Article nr. 01777  
**Cleaning plug L21 x B13 x H7 cm**  
Article nr. 554164



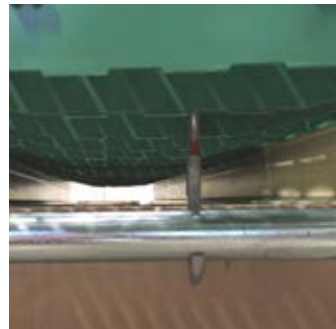
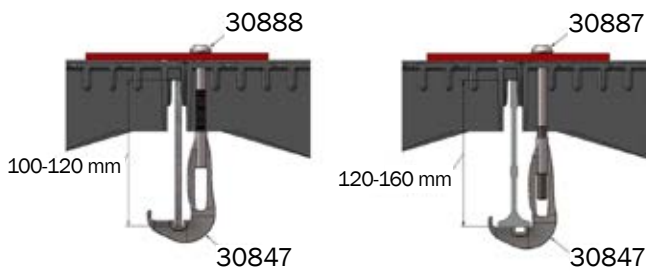


# FASTENING

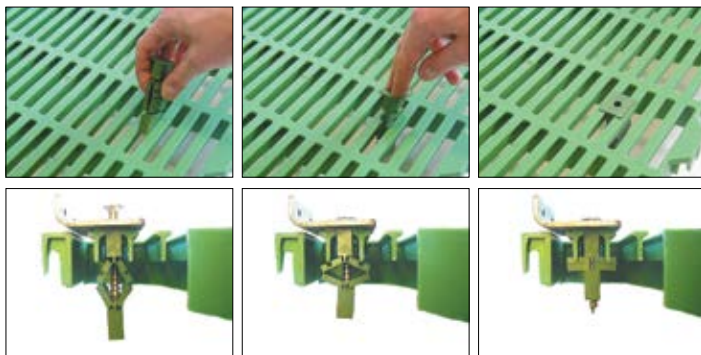
Fastening solutions for plastic and cast iron slats

## I. FASTENING OF PLASTIC SLATS

30847	Anchor M8
90130847	Anchor M8, large
30887	Machine bolt 8 x 120 (Torx 50)
30888	Machine bolt 8 x 90 (Torx 50)
30308071	Buttonhead SS M8 x 70 w/o washer
1900241	Bolt-on fitting, 10 pcs.
18958	Rhomb screw anchor for plastic slats for weaners (set 10 pcs.)



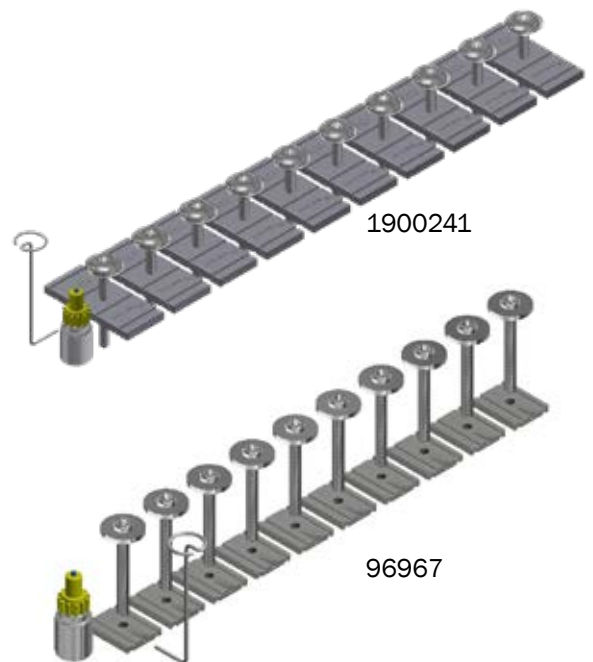
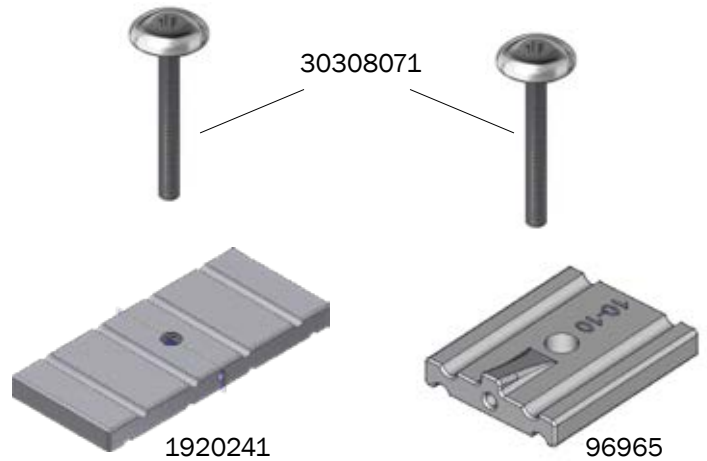
J-bolt mounting - article nr. 30847 and 90130847



Mounting of rhomb anchor - article nr. 18958

## II. FASTENING OF CAST IRON SLATS

1920241	Bolt-on fitting
1900241	Bolt-on fitting - set, 10 pcs.
96965	Mounting bracket
96967	Mounting bracket - set, 10 pcs.
30308071	Buttonhead SS M8x70 w/o washer TORX 50



# SMALL DETAILS - BIG DIFFERENCE

“We save 2 weeks per year on washing with Master Trading floor”

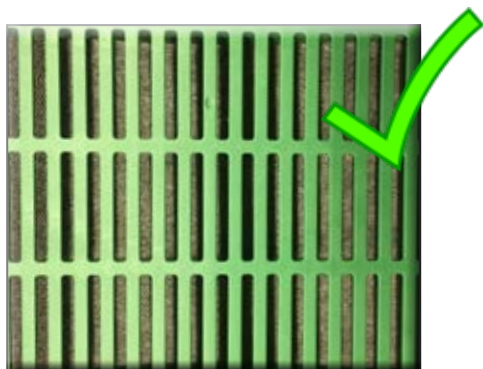


## Testimonial

“New piglet farm was built in 2016, identical sections, the only difference is the floor.

**The small details make the big difference:** 6 hours washing time per section for ACO FUNKI floor vs. 7,5 hours washing time per section for not ACO FUNKI floor. It means 20% more washing time for the competitor floor. ACO FUNKI floor is also more stable and strong.”

**Karsten Kur Jensen, Risgaarden, Viborg, Denmark - 2150 sows, 83000 weaners**

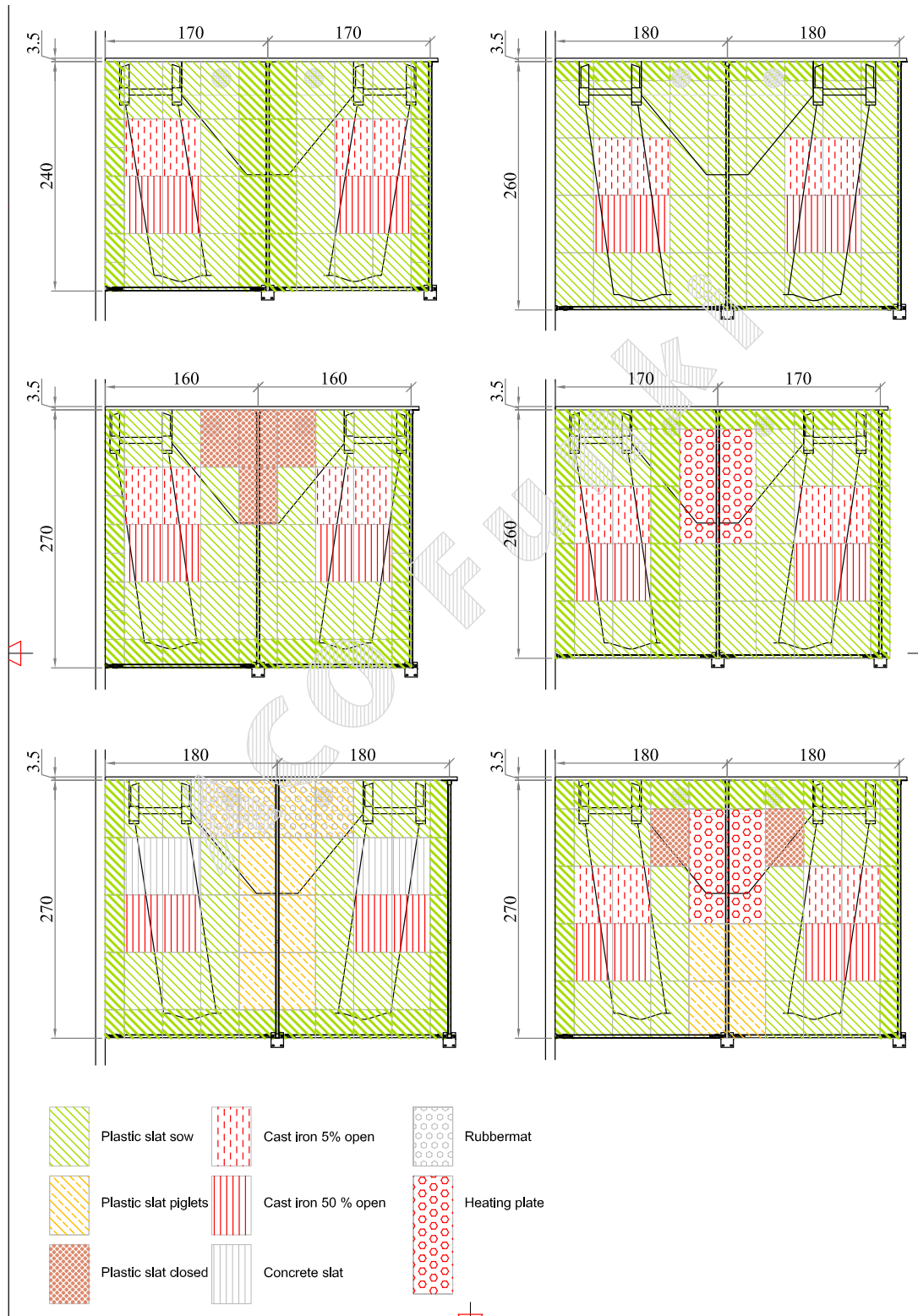


- 20% faster washing than for other slats on the market
- All the openings are in the same directions, i.e. manure does not stick in between the beams, which makes washing easier
- Green colour of the slats makes it easier to see the dirt and, for ex., signs of disease
- Stable construction
- Experience positive results right away



# COMBINATIONS OF FARROWING PENS

Innumerable possibilities





# COMBINATIONS OF FARROWING PENS

Innumerable possibilities

