

We show Profil

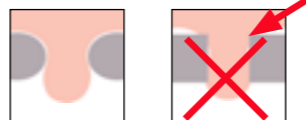
high-low textured FERROCAST® cast iron slats for Farrowing Crates



rounded bars with 2 traction levels 1 + 2

smoothly rounded, absolute no sharp edges

no squeezing and cutting of teats like at 90° bars



PROFIL the high low textured FERROCAST® cast iron slat with 2 traction levels and the typical woven shaped surface is being manufactured in the worldwide unique "open mould technology" -process. Especially these characteristics assure an utmost foothold, - even for sows with weak legs.

- flexibly to be combined with all common PP-flooring
- 2 traction levels for extreme horizontal foothold on wet and also fatty surfaces, therefore extreme traction for sows with weak legs
- absolute no razor sharp fins and edges through worldwide unique "open-mould technology"
- no "squeezing" and cutting of teats like at 90° bars

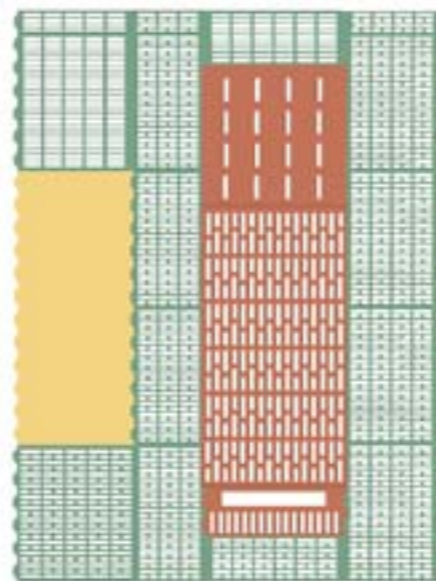
Please feel free to combine acc. to your requirements!



- 15mm-MINI step system matches all common PP-flooring



- Even level installation with lateral clamping hooks
- Even level matches most of all common PP-flooring



Schonlau
Stalltechnik



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FERROCAST®
system slats
individual-flexible-durable

PIG EQUIPMENT

FERROCAST Cast iron Slats

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CATTLE

cast iron slats

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SCHONLAU-WERKE, founded in 1904 in Geseke/Germany is today a well specialized cast iron foundry focused on a wide variety of highly specialized goods like **FERROCAST®** (GG), **Spherocast** (GGG) and ADI for particular industrial use and livestock equipment.

Schonlau manufactures with about 150 employees the renowned **FERROCAST®** iron slat flooring system for the pig and cattle industry. Due to a patented casting process in the worldwide unique "open mould technology" only **SCHONLAU's** slats provide the exclusive rounded bars, - which ensure greatest benefits to animals, i.e. a smooth woven textured surface. These one and only characteristics guarantees a maximum horizontal traction and an always dried up flooring combined with an excellent hygiene.

SCHONLAU represents the market leadership in the highest quality segment of cast iron flooring systems with more than 2 million square meters of installed **FERROCAST®**.

SCHONLAU's knowledge about the right valuable flooring system has been developed in more than 30 years of presence on the market and until today all current requirements of our valued customers are the basis for our prospected investigations and developments.

SCHONLAU-FERROCAST® slats are to be combined perfectly with the **SCHONLAU** PP-flooring program **FILIUS**, **VARIO**, **MENTOR** and **PORCUS** and as well with all other common systems available on the market. Never settle for less.

Schonlau Livestock Equipment - the better alternative.

OPEN Mould Technology



Schonlau - manufaction process

A hot passion

The Schonlau quality - what makes the difference?

SCHONLAU-FERROCAST® cast iron slats are being manufactured in the worldwide unique "open mould technology. Slat for slat is unique. Schonlau **FERROCAST®** cast iron slats generally do not show any sharp fins or edges between bars. Anyhow sharp edges does not exist because no additional – the so called "double mould" techniques - is not being used at **SCHONLAU**. So any grinding of fins or edges is unnecessary. This is the way how to give birth to an animal friendly cast iron slat.

Own mould construction

Continuously **SCHONLAU's** engineers construct new cast iron slats in order to fulfil increasing requirements of modern animal husbandry.

The typical **SCHONLAU** woven textured surface assures a maximum of traction through roundly shaped bars.



„Open Mould Technology“

The worldwide unique "open mould technology" guarantees absolute "fin-free" **FERROCAST®**-cast iron slats. The red-hot glowing **FERROCAST®**-cast iron pours in "open" sand mould frames only.

Casting Process

Each one cast iron slat is being manufactured individually under visual control. By use of **FERROCAST®**-cast iron **Schonlau**-cast iron slats achieve the well known outstanding quality. Only the „open mould technology“ avoids, - simply by missing of a top mould frame, – any flashes or fins between cast iron bars.

Cooling-track

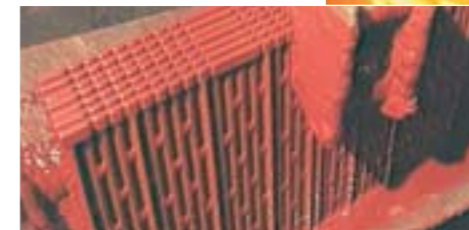
FERROCAST®-cast iron slats cool down at ambient temperatures. Finally slats are being taken out of the mould frame and get sandblasted. Grinding of flashes, fins or any further sharp edges is not necessary. The natural roundly shaped bars assure outstanding foothold and avoid injuries.

Dipping Bath

A last „finish“ the slat gets through a coating layer. The dipping colour provides excellent protection against corrosion.

Strict Examinations

Regularly **FERROCAST®**-cast iron slats are being examined up to a load of 1100 kg in representative random sample tests acc. to DIN 11848. Thereby **FERROCAST®** show an exceptional elasticity on mechanical pressure, - but only **FERROCAST®** slats instantaneously regains its previous even shape, - in opposite to ductile (nodular) cast iron slats.



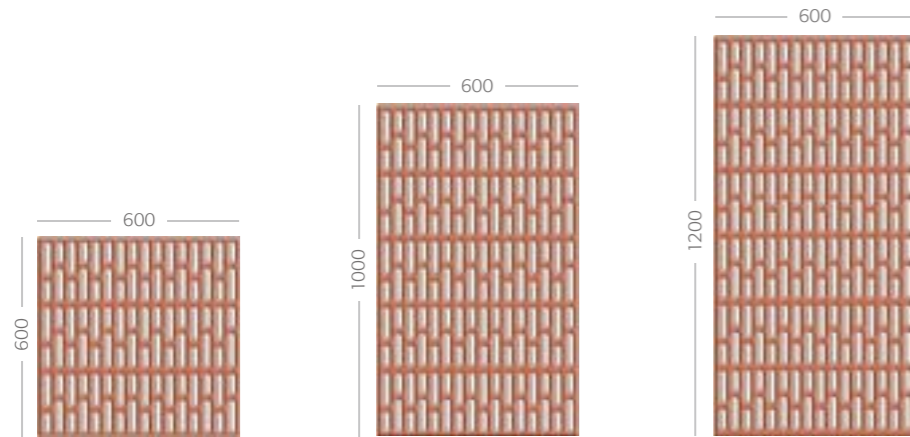
FERROCAST®-slats for Farrowing Crates

-step- 15 mm

- **high-low textured FERROCAST®-slats** with **2 traction levels** for maximum comfort and traction, - also on wet or fatty surfaces
- to be combined with all common PP-flooring
- maximum traction also for sows with weak legs!
- absolute fin-free, smoothly rounded profiled bars
- no common "squeezing" of teats like at rectangular bars

PROFIL-step

- gap size 11 mm
- bar size 13 mm
- bar height 15 mm



Ref. No	Ref. No	Ref. No
26060 - 600	26100 - 600	26120 - 600

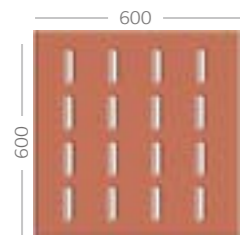
Profil step (15 mm) and **Podium step** (25 mm) **can not be** combined with each other.



Stainless steel tabs guarantee a safe interlocking.

with blind area

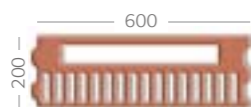
- gap size 11 mm
- bar height 15 mm
- shoulder plate < 10 % drainage



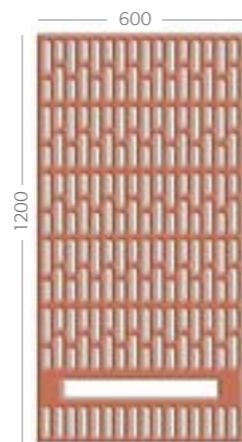
Ref. No
26061 - 600

with manure slot

- gap size 11 mm
- bar size 13 mm



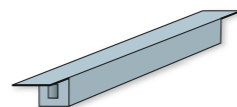
Ref. No
15020 - 600 - K
even level
manure slot 45 x 500 mm



Ref. No
26120 - 600 - K
manure slot 45 x 500 mm



Profil:
15mm step on PP-flooring.



Ref. No
15002 - 600
square pipe fits into
26120 - 600 - K
15020 - 600 - K

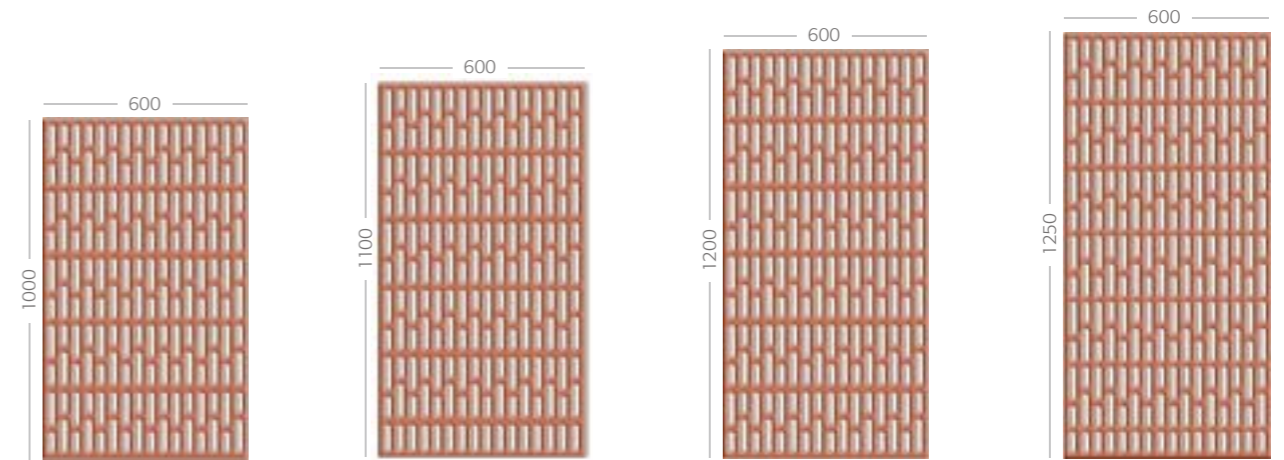
FERROCAST®-slats for Farrowing Crates

-step- 25 mm

- the unique woven textured surface of **SCHONLAU** slats makes any small edged anti-slip-profile unnecessary
- rounded bars, absolute fin free due to being manufactured in the open mould technology
- **FERROCAST®** guarantees a feelable "cool" mothering place
- **PODIUM** assures an elevated position of the sow
- to be combined with all common PP flooring systems available on the market

PODIUM-step

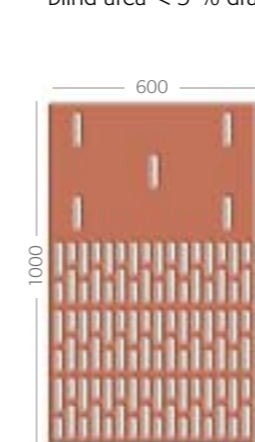
- gap size 11 mm
- bar size 13 mm
- bar height 25 mm



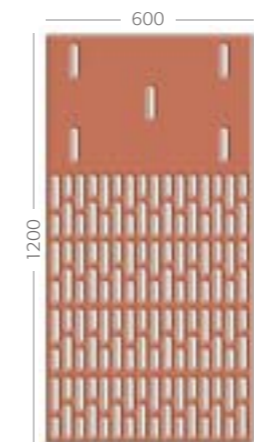
Ref. No	Ref. No	Ref. No	Ref. No
16100 - 600	16110 - 600	16120 - 600	16125 - 600

with blind area

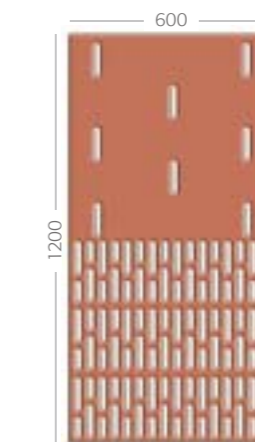
- gap size 11 mm
- bar size 13 mm
- bar height 25 mm
- blind area < 5 % drainage



Ref. No
16101 - 664



Ref. No
16121 - 664



Ref. No
16121 - 666



Podium:
25 mm step on the PP-flooring, at the sides equipped with anti-slip jaws.

Technical Advice

- Profil/Plana/Podium need to be supported at the lateral sides, and cannot be placed just on the small top and bottom side.
- All FERROCAST® slats are examined accordingly to DIN 11848.

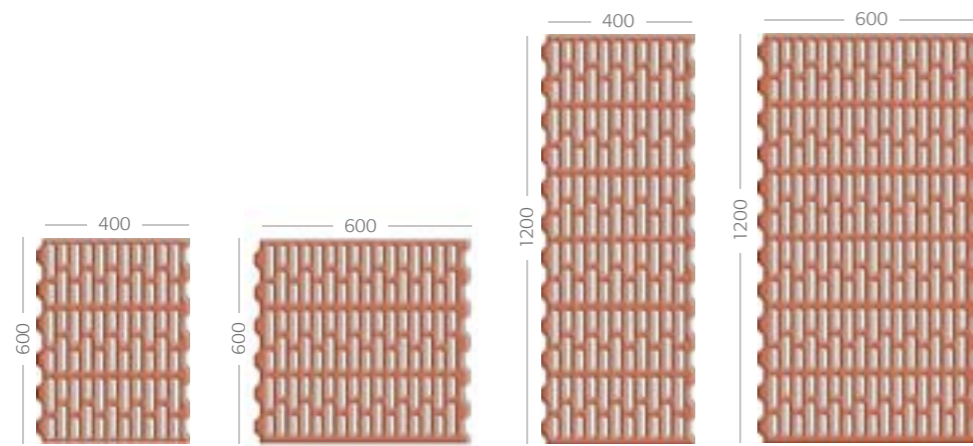
FERROCAST®-slats for Farrowing Crates

-even level-

- **high-low textured FERROCAST®-slats** with **2 traction levels** for maximum comfort and traction, - also on wet or fatty surfaces
- to be combined with all common PP-flooring
- maximum traction also for sows with weak legs!
- absolute fin-free, smoothly rounded profiled bars
- no common "squeezing" of teats like at rectangular bars

PROFIL-even level

- gap size 11 mm
- bar size 13 mm
- height 15 mm



All slats of the systems **PROFIL even level** and **Plana even level** can be combined with each other.



Stainless steel tabs guarantee a safe interlocking.

Technical Advice

- Profil/Plana/Podium need to be supported at the lateral sides, and cannot be placed just on the small top and bottom side.
- All FERROCAST slats are examined accordingly to DIN 11848.

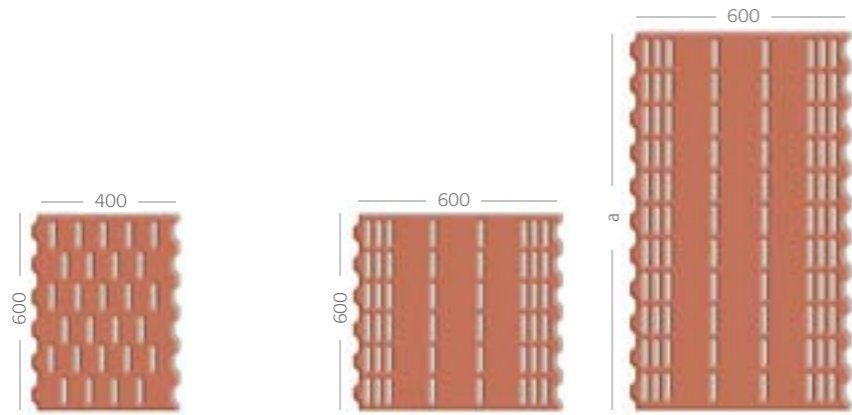
Ref. No	Ref. No	Ref. No	Ref. No
25060 - 400	25060 - 600	25120 - 400	25120 - 600

PLANA-F

- shoulder plate < 10 % drainage
- to be combined with PP flooring FILIUS in nurseries

Slats for adjustment PLANA-FS

- to be used as blind area in farrowing crates
- to be combined with FILIUS PP-flooring in nurseries
- < 10 % drainage



Ref. No	Ref. No
15061 - 400	15061 - 600 - FS

Ref. No	dimension a x b
15021 - 600 - FS	200 x 600
15031 - 600 - FS	300 x 600
15041 - 600 - FS	400 x 600
15051 - 600 - FS	500 x 600
15061 - 600 - FS	600 x 600
15071 - 600 - FS	700 x 600
15081 - 600 - FS	800 x 600
15091 - 600 - FS	900 x 600
15101 - 600 - FS	1000 x 600
15111 - 600 - FS	1100 x 600
15121 - 600 - FS	1200 x 600

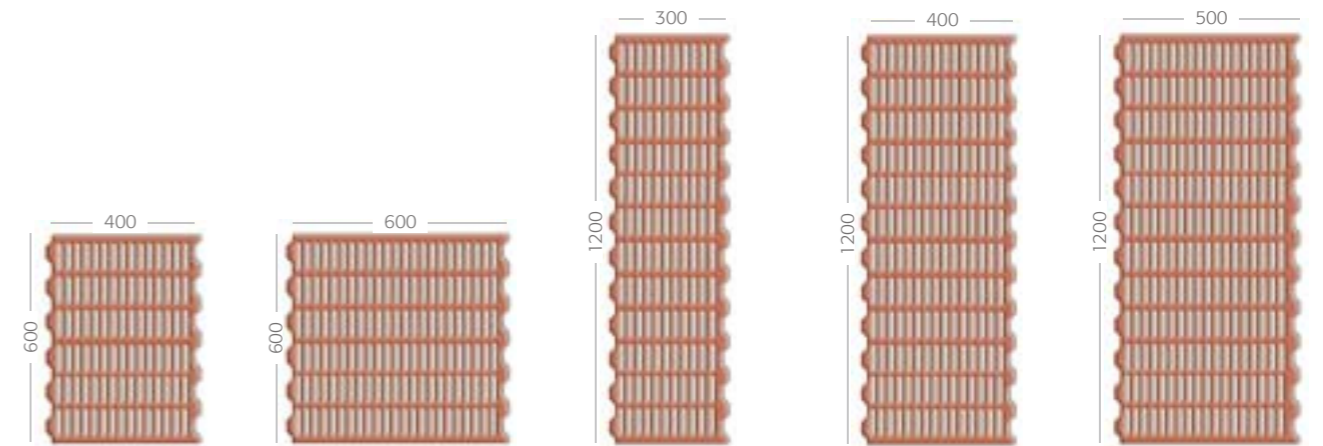
FERROCAST®-slats for Farrowing Crates

-even level-

- straight and diagonal installation, even level, drained
- the unique woven textured surface of **SCHONLAU slats** make any edged anti-slip-profile unnecessary
 - rounded bars, absolute fin free due to being manufactured in the "open mould technology"
 - **FERROCAST®** guarantees a feelable "cool" mothering place
 - to be combined with most of all common PP floorings available on the market

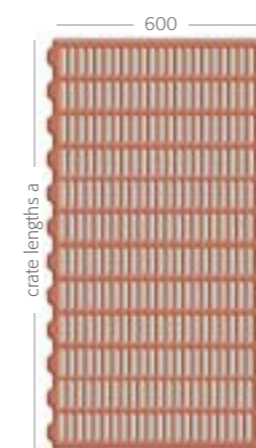
PLANA-even level

- gap size 11 mm
- bar size 15 mm
- height 12 mm

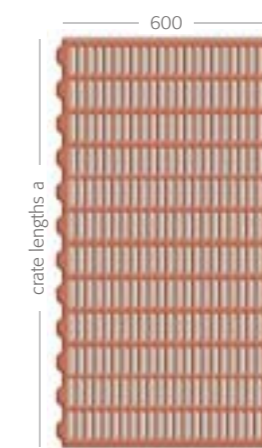


Ref. No	Ref. No	Ref. No	Ref. No	Ref. No
15060 - 400	15060 - 600	15120 - 300	15120 - 400	15120 - 500

Slats for adjustment PLANA-S



Ref. No	dimension a x b
15100 - 600	1000 x 600
15110 - 600	1100 x 600
15120 - 600	1200 x 600
15125 - 600	1250 x 600



Ref. No	dimension a x b
15010 - 600 - S	100 x 600
15020 - 600 - S	200 x 600
15030 - 600 - S	300 x 600
15040 - 600 - S	400 x 600
15050 - 600 - S	500 x 600
15060 - 600 - S	600 x 600
15070 - 600 - S	700 x 600
15080 - 600 - S	800 x 600
15090 - 600 - S	900 x 600
15100 - 600 - S	1000 x 600
15110 - 600 - S	1100 x 600
15120 - 600 - S	1200 x 600

FERROCAST®-slats for Farrowing Crates

-even level-

straight and diagonal installation, even level, drained

- the unique woven textured surface of **SCHONLAU slats** make any edged anti-slip-profile unnecessary
- rounded bars, absolute fin free due to being manufactured in the open mould technology
- **FERROCAST®** guarantees a feelable "cool" mothering place
- to be combined with most of all common PP floorings available on the market

PLANA-even level

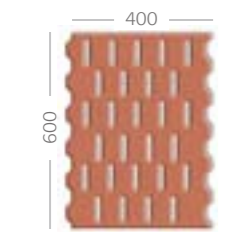
with blind area

- gap size 11 mm
- height 12 mm

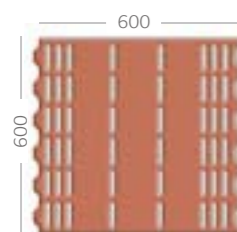


PLANA-F

- shoulder plate < 10 % drainage
- to be combined with PP flooring FILIUS in the nursery

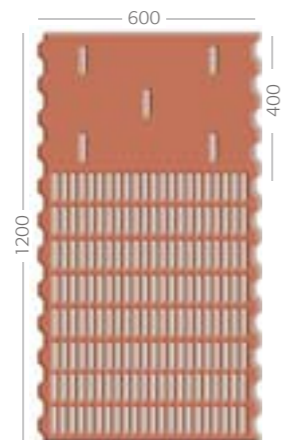


Ref. No
15061 - 400

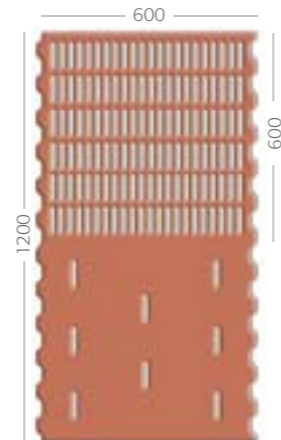


PLANA with blind area

- suits in straight and diagonal installations
- bars 15 mm
- blind area < 5 % drainage



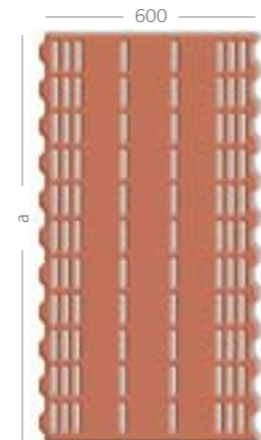
Ref. No
15121 - 664



Ref. No
15121 - 666

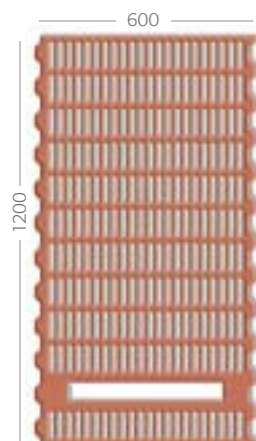
Slats for adjustment PLANA-FS

- to be combined with all PLANA and PROFIL even level
- to be used as blind area in farrowing crates
- to be combined with FILIUS PP-flooring in nurseries
- < 10 % drainage

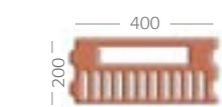


Ref. No	dimension a x b
15021 - 600 - FS	200 x 600
15031 - 600 - FS	300 x 600
15041 - 600 - FS	400 x 600
15051 - 600 - FS	500 x 600
15061 - 600 - FS	600 x 600
15071 - 600 - FS	700 x 600
15081 - 600 - FS	800 x 600
15091 - 600 - FS	900 x 600
15101 - 600 - FS	1000 x 600
15111 - 600 - FS	1100 x 600
15121 - 600 - FS	1200 x 600

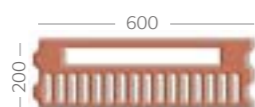
PLANA - Manure Slots



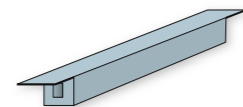
Ref. No
15120 - 600 - K
Manure Slot
45 x 500 mm



Ref. No
15020 - 400 - K
Manure Slot 45 x 300 mm



Ref. No
15020 - 600 - K
Manure Slot
45 x 500 mm



Ref. No
15002 - 600
15002 - 400

Square pipe
fits to
15120 - 600 - K
15020 - 600 - K
15020 - 400 - K

Technical Advice

- Profil/Plana/Podium need to be supported at the lateral sides, and cannot be placed just on the small top and bottom side.
- All FERROCAST® slats are examined accordingly to DIN 11848
- examined max. load 860 kg (100 x 100 mm)

Self-Supporting Cast Iron Slats

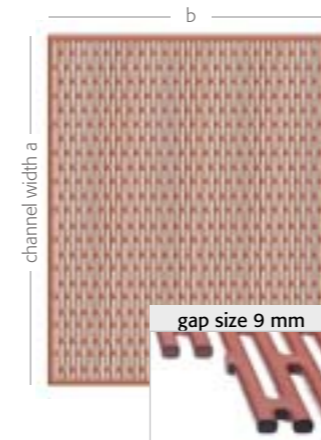
FERROCAST® cast iron slats with the unique woven textured surface make any edged anti-slip-profile unnecessary

- animal friendly
- endless installable
- in farrowing crates bars are alongside the sow
- roundly shaped bars assure a maximum grip and traction
- absolutely hygienic and durable
- claw abrasion

Farrowing crates

PRIMUS

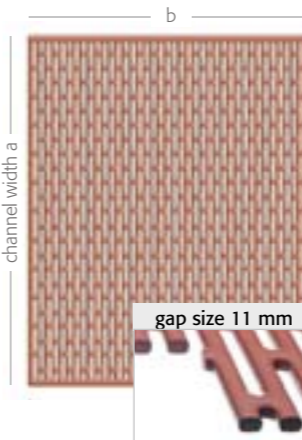
- gap size 9 mm
- bar size 12 mm
- height 20 mm



Ref. No	dimension a x b
10080 - 1000	800 x 1000
10090 - 1000	900 x 1000
10100 - 1000	1000 x 1000
10110 - 1000	1100 x 1000
10120 - 1000	1200 x 1000

FAVORIT

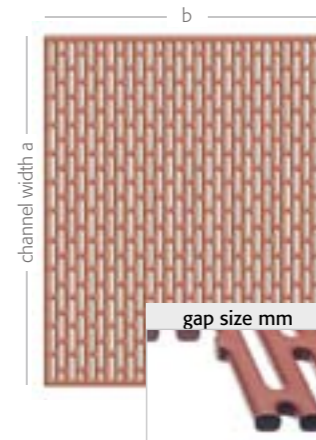
- gap size 11 mm
- bar size 15 mm
- height 20 mm



Ref. No	dimension a x b
11070 - 1000	700 x 1000
11080 - 800	800 x 800
11080 - 1000	800 x 1000
11100 - 800	1000 x 800
11100 - 1000	1000 x 1000
11110 - 800	1100 x 800
11110 - 1000	1100 x 1000
11120 - 600	1200 x 600
11120 - 800	1200 x 800
11120 - 1000	1200 x 1000

JUNIOR

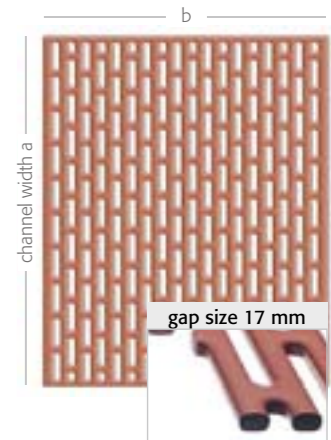
- gap size 13 mm
- bar size 15 mm
- height 12 mm



Ref. No	dimension a x b
13070 - 1000	700 x 1000
13080 - 1000	800 x 1000
13100 - 1000	1000 x 1000
13110 - 1000	1100 x 1000
13120 - 1000	1200 x 1000

AMICUS

- gap size 17 mm
- bar size 27 mm
- height 20 mm



Ref. No	dimension a x b
17065 - 800	650 x 800
17080 - 800	800 x 800
17100 - 800	1000 x 800
17110 - 800	1100 x 800
17120 - 800	1200 x 800

Technical Advice

- Self-supporting slats need to be placed on the top and bottom side.
- All FERROCAST® slats are examined accordingly to DIN 11848
- examined max. load 860 kg (100 x 100 mm)

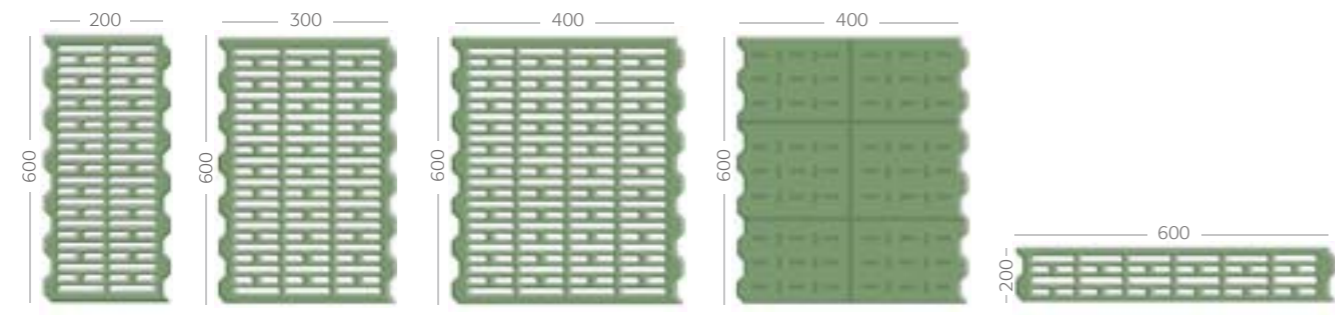
PP-Flooring

MENTOR

Sow slats consisting out of pure PP, for sows in farrowing crates to be combined with **FERROCAST**[®]-cast iron slats. For sows up to 250 kg (examined load 750 kg)

- triple interlocking system against lifting
- to be cut cm-wise
- max. thermal comfort
- utmost hygiene through easy cleaning
- highest resistance against corrosion
- max. traction through roundly shaped textured ribs

gap size 10 mm / bars 10 mm / height 13 mm



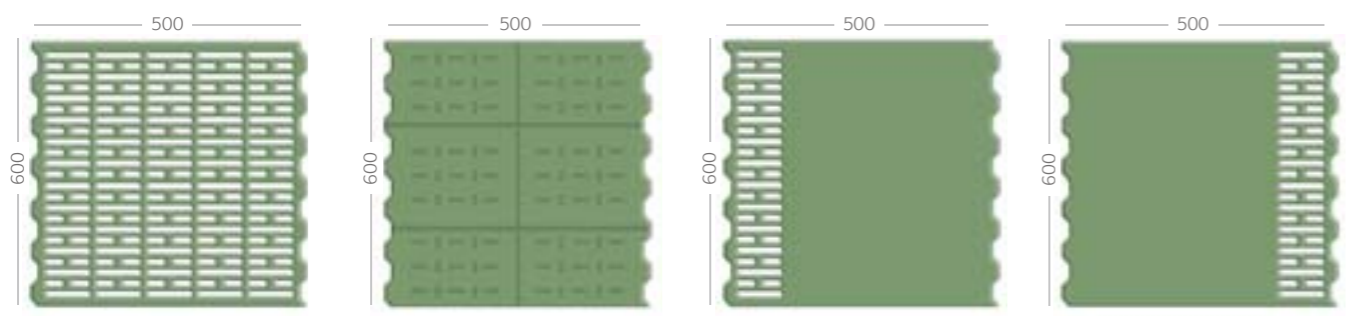
Ref. No	Ref. No	Ref. No	Ref. No	Ref. No
14060 - 200	14060 - 300	14060 - 400	14061 - 400	14020 - 600

VARIO

Slats consisting out of pure PP, to be combined with **FERROCAST**[®]-cast iron slats. To be used from "weaning to finishing" for animals up to 160 kg

- triple interlocking system against lifting
- to be cut cm-wise
- imax. thermal comfort
- less stress and less hygienic risk due to less moving
- utmost hygiene through easy cleaning
- highest resistance against corrosion
- max. traction through tiny roundly shaped textured ribs

gap size 9,7 mm / bars 10 mm / height 13 mm



Ref. No	Ref. No	Ref. No	Ref. No
13060 - 500	13061 - 500	13062 - 500 - L partly blind 10% drainage left side	13062 - 500 - R partly blind 10% drainage right side

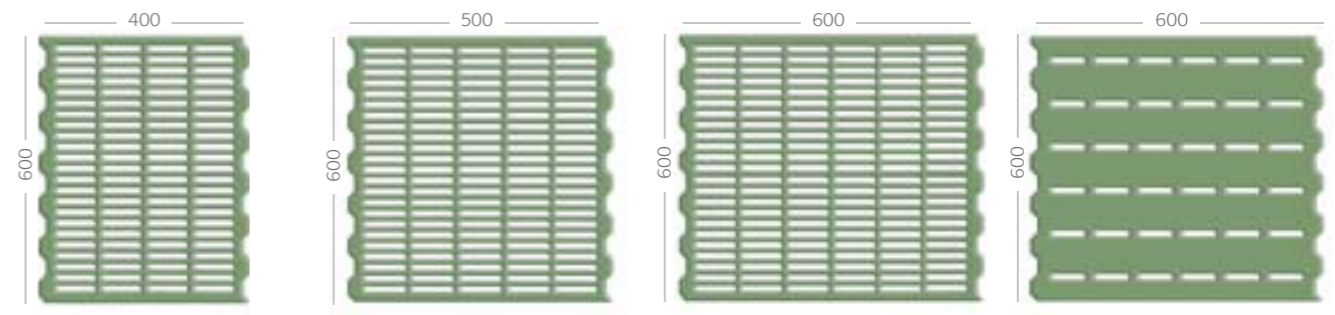
PP-Flooring

FILIUS

Weaner slats consisting out of pure PP, to be combined with **FERROCAST**[®]-cast iron slats. For weaner piglets up to 60 kg (examined load 350 kg)

- triple interlocking system against lifting
- to be cut cm-wise
- max. thermal comfort
- utmost hygiene through easy cleaning
- highest resistance against corrosion
- max. traction through rounded surface

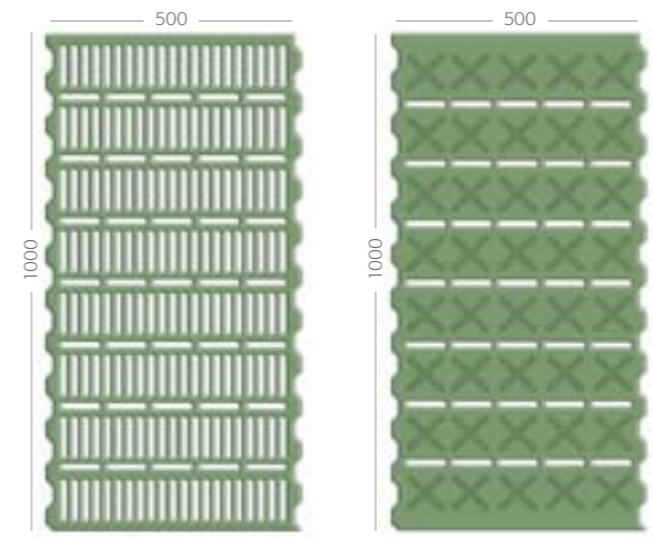
gap size 10 mm / bars 10 mm / height 13 mm



Ref. No	Ref. No	Ref. No	Ref. No
12060 - 400	12060 - 500	12060 - 600	12061 - 600 blind area with max. 10 % drainage

PORCUS

Weaner slats consisting out of extreme durable but flexible PP, especially developed for nurseries and weaner piglets up to 30 kg (examined load 500 kg)



Art.-Nr.	Art.-Nr.
12100 - 500	12101 - 500 blind, < 10 % drainage

- double interlocking system against lifting
- max. thermal comfort
- utmost hygiene through easy cleaning
- highest resistance against corrosion
- durable PP; max. traction through rounded textured bars

gap size 10 mm / bars 10 mm / height 13 mm

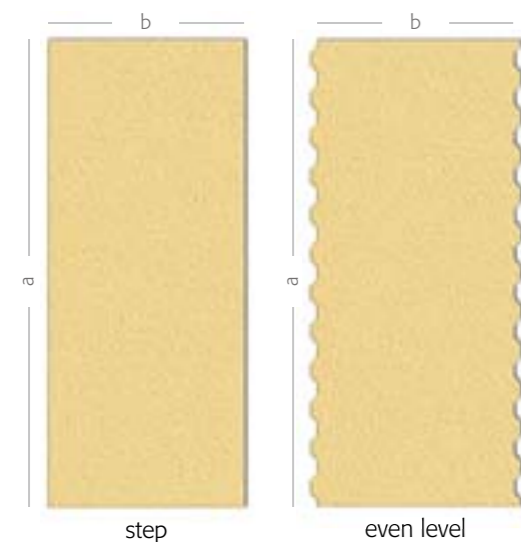
Technical Advice
Generally PP-flooring always needs to be installed at ambient temperature, because PP-materials usually does expand or shrink depending on temperatures (cold - / warm +). Furthermore please take care for flexible beams and required expansion joints.

Heating Pads - Electro / Warm Water

to be combined with PP-flooring

BONUS

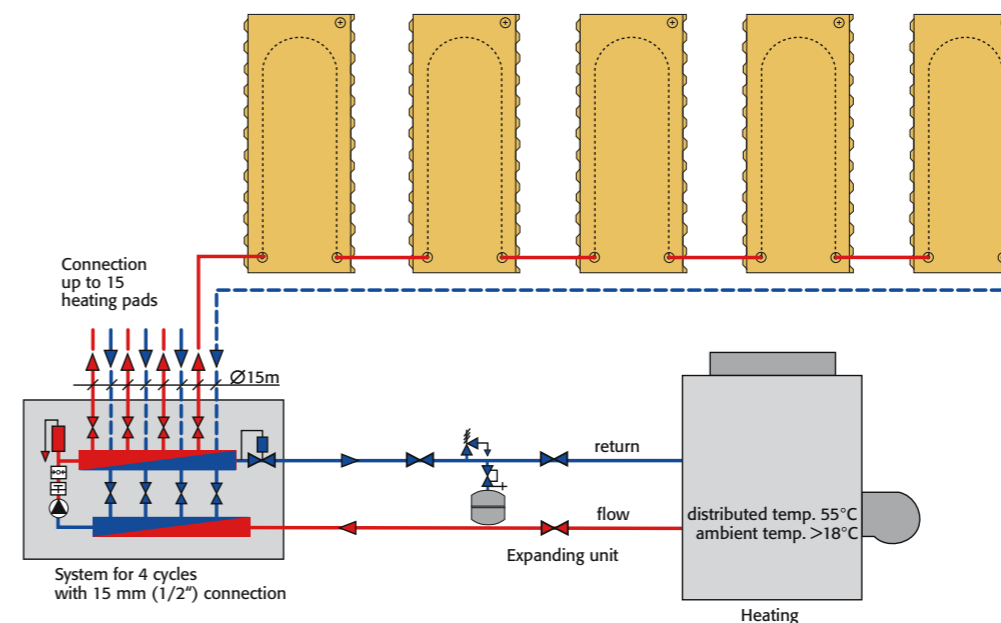
- PP/PE construction without any support frame
- little water volume for utmost energy efficiency
- easy cleaning for max. hygiene
- high traction for piglets on a smooth grip surface
- diffusion tight by stainless steel pipe system
- no heat exchanger needed



Ref. No	dimension a x b	heating mode	installation mode
18012 - 400 - WE	1200 x 400	warm water	even level
18012 - 500 - WE	1200 x 500	warm water	even level
18012 - 400 - EE	1200 x 400	electro	even level
18012 - 500 - EE	1200 x 500	electro	even level
18012 - 400 - WA	1200 x 400	warm water	step
18012 - 500 - WA	1200 x 500	warm water	step
18012 - 400 - EA	1200 x 400	electro	step
18012 - 500 - EA	1200 x 500	electro	step
18016 - 500 - WE	1600 x 500	warm water	even level

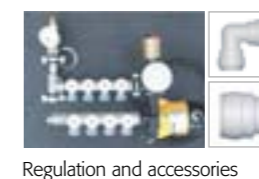
Installation: technical scheme

Warm water - Bonus



Accessories

We offer a wide range of accessories for the installation of warmwater- and electric operated heating pads. You need more details? - We appreciate your request!



Heating pad of Polymer-Concrete for heat storage

to be combined with PP-flooring

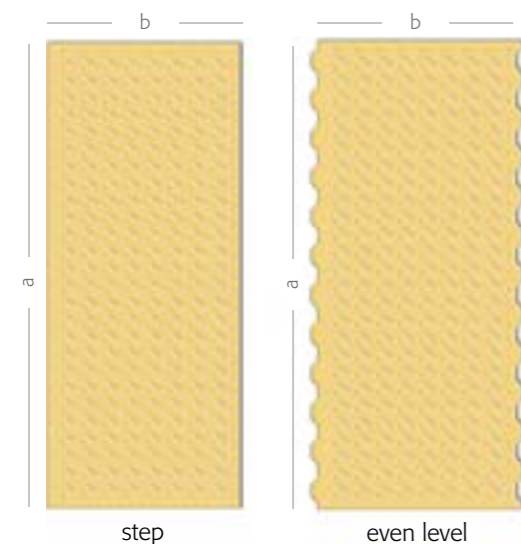
NOVUM / IMPULS

Surface ensures

- no injuries due to rounded, physiologically adapted surface
- hygiene, durability and grip

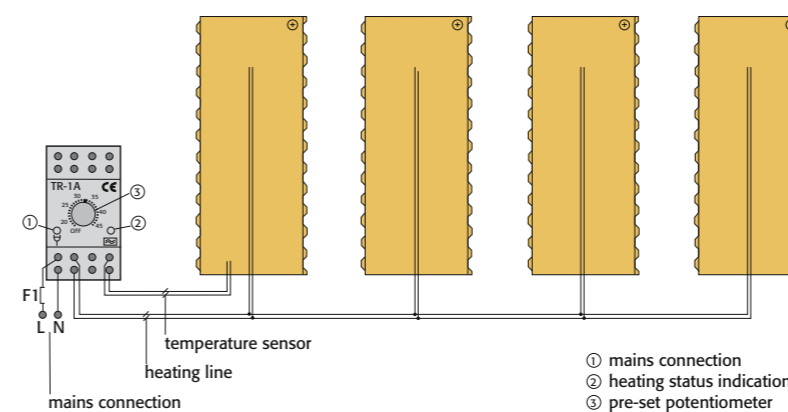
heating technique

- energy saving due to extreme isolation with 10mm PU-foam
- heat saving polymer-concrete coated with resistant synthetic resin
- homogeneous temperature all over through optimized Cu-pipe system



Ref. No	dimension a x b	heating mode	installation mode
18100 - 600 - WE	1000 x 600	warm water	even level
18100 - 600 - EE	1000 x 600	electro	even level
18120 - 400 - WE	1200 x 400	warm water	even level
18120 - 500 - WE	1200 x 500	warm water	even level
18120 - 400 - EE	1200 x 400	electro	even level
18120 - 500 - EE	1200 x 500	electro	even level
18120 - 400 - WA	1200 x 400	warm water	step
18120 - 500 - WA	1200 x 500	warm water	step
18120 - 400 - EA	1200 x 400	electro	step
18120 - 500 - EA	1200 x 500	electro	step

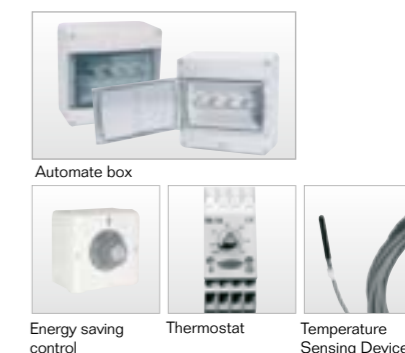
Electro - Novum / Impuls



Please take care for a professional installation of the heating pads according to DIN VDE0100.

Accessories

Ref. No	application
18001	4 x automate box
18002	6 x automate box
18001 - 1	single energy control unit 800 W (max. 5 pads)
18001 - 2	temperature sensing device
18001 - 3	multiple energy saving control unit



Ergofix

- easy handling and easy installation
- rustproof - stainless
- self locking
- no damages on the PP flooring



Ref. No	application
14002 - 001	for PP flooring
14002 - 002	for concrete flooring

Slat Trim

- absolute essential for a perfect finishing.



Ref. No
14001

Beams / Supports

- SCHONLAU's wide range of products also provides beams/ supports (glass fibre, galvanized steel and stainless steel).
- Please let us know your demands; we very much appreciate to quote accordingly.



Galvanized steel beam



Glass-fibre T-profile beam



Glass fibre Delta-profile beam



Silent cap for Delta-profile beam

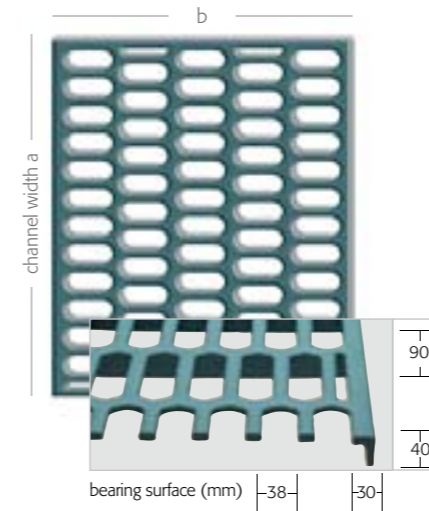
Ref. No	dimension a x b	Name
100 - 5 - VZ - 1000	100 x 5 mm	beams/supports
120 - 5 - VZ - 1000	120 x 5 mm	beams/supports
GFK T - 90 - 5	90 x 5 mm	T-profile glass-fibre beam
GFK T - 110 - 5	110 x 5 mm	T-profile glass-fibre beam
GFK D - 110 - 5	110 x 5 mm	Delta-profile glass-fibre beam
GFK D - 135 - 5	135 x 5 mm	Delta-profile glass-fibre beam
AK D - 135 - 5		silent cap for Delta-profile beam

Cattle slats

PARAT

Comb slats out of **FERROCAST®** for chained up cattle

- endless installation
- comb size 38 x 90 mm
- bar 20 mm
- height 40 mm

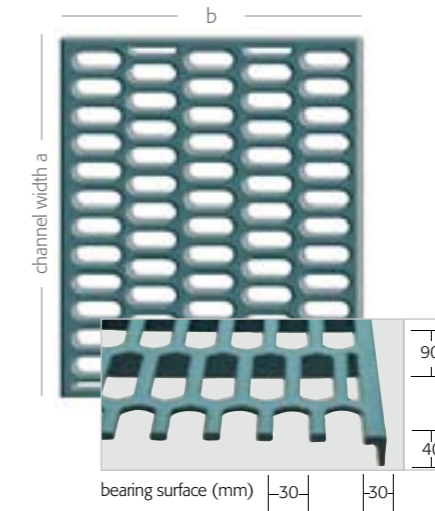


Ref. No	dimension a x b
50015	800 x 1000
50025	800 x 1200
50030	900 x 1000
50035	900 x 1200
50040	1000 x 1000
50050	1000 x 1200

DUAL

Comb slats out of chained up cattle EN-GJS acc. DIN EN 1563, for free moving cattle in diary housings

- endless installation
- comb size 30 mm x 90 mm
- Extremely durable, especially made for diary housings
- height 40mm

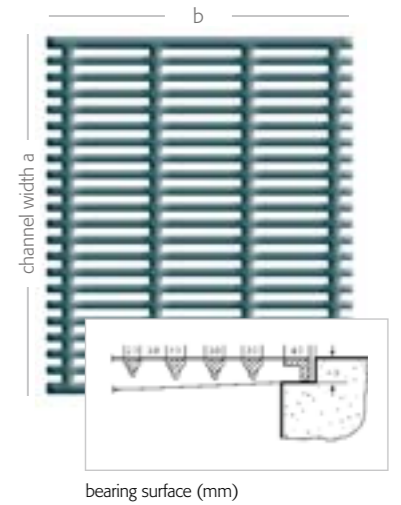


Ref. No	dimension a x b
70080 - 750-30	800 x 750
70090 - 750-30	900 x 750

CLASSIC

Endless bar cast iron slats out of **FERROCAST®** cast iron for chained up cattle

- endless installation
- comb size 38 mm
- weight 40 mm



Ref. No	dimension a x b
30015	800 x 1000
30020	800 x 1100
30025	800 x 1200
30030	900 x 1000
30035	900 x 1200
30040	1000 x 1000
30045	1000 x 1100
30050	1000 x 1200
20015 - 20*	800 x 1000

* bearing height 20 mm

Technical Advice
Do not drive on cattle slats.

PIONIER



Quick Snap valve to be connected with PVC pipe

Ref. No	Opening	kg ca.
S - 60 DN200	200 mm	37,0
S - 60 DN250	250 mm	48,0
S - 60 DN300	300 mm	65,0

Push rod out of Stainless steel / Handle galvanized steel

PRIMO



Spindle valve to be connected with PVC pipe

Ref. No	Opening	kg ca.
S - 61 DN150	150 mm	28,0
S - 61 DN200	200 mm	37,0
S - 61 DN250	250 mm	45,0
S - 61 DN300	300 mm	60,0

Spindle out of stainless steel

OVATION



Hand-Pulling valve to be connected with PVC pipe

Ref. No	Opening	kg ca.
S - 62 DN300	300 mm	33,0

Push rod out of stainless steel

OPTIMA



Hand Valve to be connected with PVC pipe

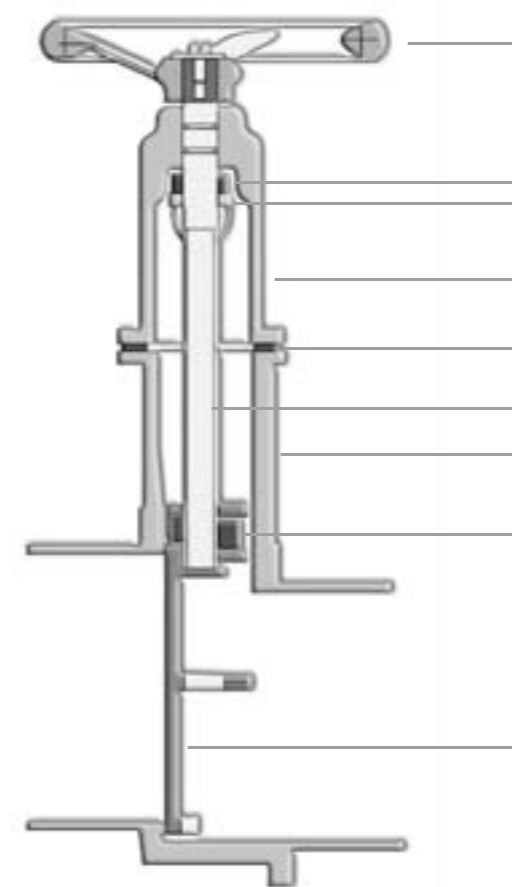
Ref. No	Opening	kg ca.
S - 63 DN125	125 mm	10,0
S - 63 DN150	150 mm	12,0
S - 63 DN200	200 mm	21,0
S - 63 DN250	250 mm	30,0
S - 63 DN300	300 mm	35,0
S - 63 DN400	400 mm	48,0

FORMAT



Flange Hand Valve to be connected with PVC pipe

Ref. No	Opening	kg ca.
S - 64 DN125	125 mm	10,0
S - 64 DN150	150 mm	12,0
S - 64 DN200	200 mm	21,0



Name	Quick snap Ref. No	Spindle valve Ref. No
handel or wheel	60-5	61-5
brass ring	61-11	61-11
sleeve plug	60-4	
chock		61-4
cover	60-2	61-2
sealing	61-8	61-8
stainless steel spindle	60-6	61-6
housing	60-1	61-1
nut, thread	60-7	61-7
cotter	61-3	61-3

Quicksnap Ref. No	Name	Spindle valve Ref. No	Name	ca. kg
60-1	housing	61-1	housing	34,0
60-2	cover	61-2	cover	11,0
60-6	push rod	61-6	push rod	2,0
61-3	Cotter	61-3	Cotter	11,0
60-4	sleeve plug	61-4	sleeve plug	0,3
60-7	nut, fine thread	61-7	nut, fine thread	0,1
61-11	brass ring	61-11	brass ring	
61-8	flat sealing	61-8	flat sealing	
60-5	handle	61-5	wheel	4,0
S-60-E-1	Mini-Spare-part Set	S-61-E-1	Mini-Spare-part Set	2,0
S-60-E-2	Maxi Spare-part Set	S-61-E-2	Maxi Spare-part Set	13,0
S-60DN300-A	Replacement Set*	S-61DN300-A	Replacement Set*	26,0

* complete valve without housing