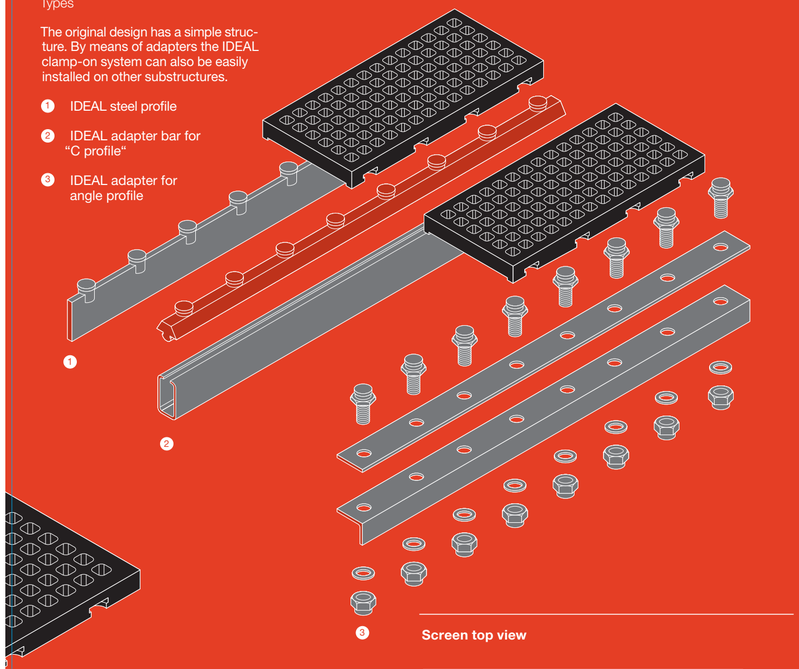
Adapter bars
Cross-section



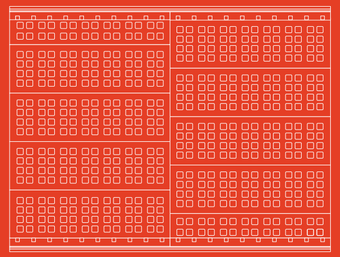
Adapter bars / Steel profiles
Types

The original design has a simple structure. By means of adapters the IDEAL clamp-on system can also be easily installed on other substructures.

1. IDEAL steel profile
2. IDEAL adapter bar for "C profile"
3. IDEAL adapter for angle profile



Screen top view



KÜPER®

Screens

IDEAL



Simple, universal, ideal

THE CLAMP-ON SYSTEM WITH LARGE OPEN SCREEN SURFACE.

The universal screen system with large open screen surface

The IDEAL clamp-on system has a maximum open screen surface. On upright flat steel bars fixing bolts are attached at regular intervals which hold the standardised screen elements. This simple and patented substructure makes it possible to use the screen panels in the most efficient manner. Depending on the application, panels made of KÜPRENE, GK-SOFT, GIGANT, CLEAN or wire are used. These are fixed without additional attachment parts or bars to the steel structure. The screen elements can be simply knocked in and pried out. Due to the large open screen surface and the slender substructure, the screen panels are relatively light.

The IDEAL clamp-on system is not only perfectly suited for the initial equipment of new screen machines, but also for the conversion of existing systems. The equipment is very inexpensive, as no special steel profiles are used. We supply readymade attachment profiles; the fixing bolts can also be welded by the user on to a flat steel substructure. The IDEAL clamp-on system is inexpensive and maintenance-free.

Functions

- → Maximum open screen surface
- → Maximum screening performance
- → Ease of installation
- → No additional attachment parts
- → Various screen surface materials possible on one screen deck
- → Suitable for initial equipment and conversion
- → Very efficient

Open screen surface
IDEAL clamp-on system

+ 20 %

Conventional clamp-on systems

IDEAL

In comparison to conventional clamp-on systems, the screen surface of the IDEAL system is up to 20 % higher.





Materials

GIGANT

GIGANT is vulcanised and moulded to a hardness of 60 shore A. It is very abrasion-resistant and elastic.

- → Very resistant to abrasion and elastic
- → Processing broken, sharp-edged and abrasive materials

Quarry · Sand / Gravel pit · Mining · Recycling · Industry

CLEAN

CLEAN is vulcanised and moulded to a hardness of 35 shore A. It is extremely flexible and wear-resistant.

- → Highly flexible and wear-resistant
- → Processing materials that tend to cause plugging

Quarry · Sand / Gravel pit · Mining · Recycling · Industry

KÜPRENE

This wear-resistant polyurethane has a hardness of 90 shore A. KÜPRENE is elastic and impact-proof. It is resistant to water and several different chemicals.

- → Elastic and impact-proof
- → Resistant to water and many chemicals
- → Wet screening, dewatering

Quarry · Sand / Gravel pit · Mining · Recycling · Industry

GK-SOFT

GK-SOFT is a polyurethane available in various degrees of hardness from 55 up to 85 shore A. It is wear-resistant and elastic.

- → Resistant to wear and elastic
- → Wet screening with blinding issues

Quarry · Sand / Gravel pit · Mining · Recycling · Industry

Wire

Wear-resistant screen mesh can be used for tensioned or flat screen panels as well as modular panels for our clamp-on systems.

- → Dry processing with materials that can cause blockages
- → Great open surface, maximum screening performance

Quarry · Recycling · Chemical Industry

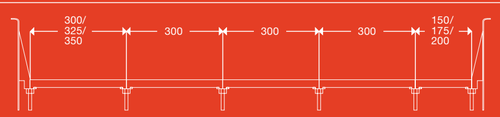
Registered Office & Corporate Sales Office
INFINITY BENCHMARK,11th Floor, Plot-G1, Block-EP & GP
Sector – V, Salt Lake Electronics Complex, Kolkata – 700 091

Ph: (033) 3315 3000
Fax : (033) 2357 6653

e-mail: info@internationalcombustion.in
Website: www.internationalcombustion.in

The IDEAL clamp-on system is inexpensive and maintenance-free.

Screen
Dimensions*



*Sizes in mm; other widths available.

Hole shapes

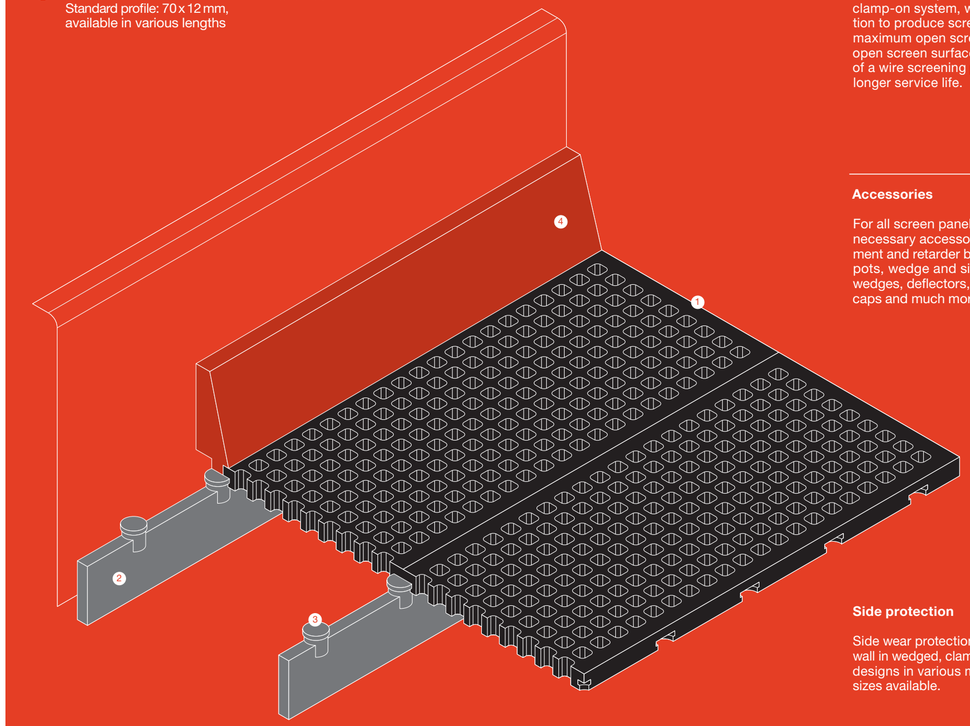
IDEAL screen panels with various hole shapes according to customer requirements for the best possible screening performance. Hundreds of different hole sizes and shapes available.



Square opening | Rectangular opening | Round opening | Tear-shaped opening | Slot opening

IDEAL construction

1. IDEAL clamp-on screen
   Standard: 1,000 x 300 mm**, in rubber, polyurethane or wire and panel heights of 30, 40 and 50 mm
2. Steel bar
   Standard profile: 70 x 12 mm, available in various lengths
3. Attachment fixing bolts
   very wear-resistant, Ø 30 x 30 mm
4. Side protection
   Standard heights: 100, 150 and 200 mm**

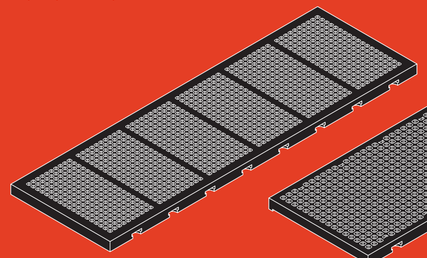


Special designs

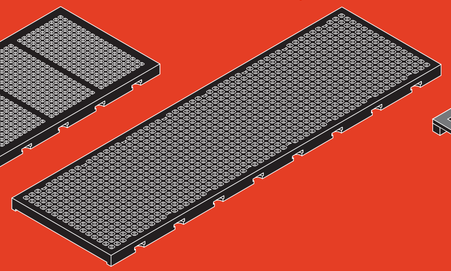
Flip-flop screen panel*: Used for media with critical screening properties; through the use of thin screening surfaces a cleaning effect is achieved.

MAX system**: Due to the permanent further development of our IDEAL clamp-on system, we are in a position to produce screen panels with a maximum open screen surface. The open screen surface is similar to that of a wire screening panel with a much longer service life.

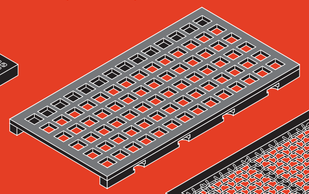
Flip-flop screen panel*



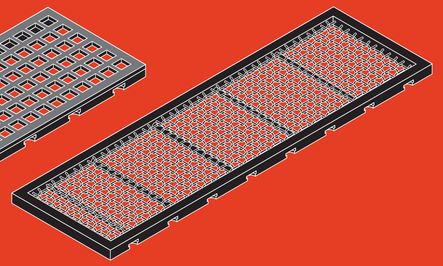
MAX system**



IDEAL perforated plate



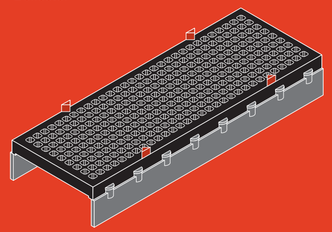
IDEAL wire



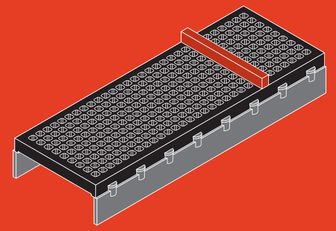
Accessories

For all screen panels we supply the necessary accessories. Central attachment and retarder bars, attachment pots, wedge and side protection bars, wedges, deflectors, bolt protection caps and much more.

Deflector



Retarder bar



Side protection

Side wear protection of the machine wall in wedged, clamped or bolted designs in various materials and sizes available.

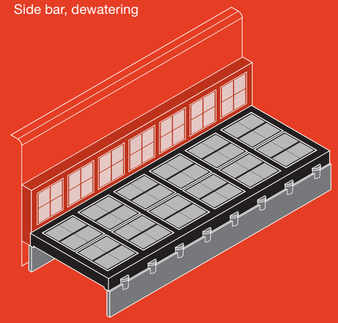
Side protection bar



Wedge bar



Side bar, dewatering



Side bar, bolted



**Other sizes also available on request.