



HEIN | LEHMANN

THE RIGHT SCREEN FOR EVERY APPLICATION

Wedge wire screens from HEIN, LEHMANN



WEDGE WIRE SCREENS

Separation and screening at a high level

Thanks to their variety of materials and almost unlimited design, CORIMA welded wire screens and RIMA® looped wedge wire screens have their place in almost every sector of industry.

Their large open area, high resistance to abrasion and corrosion, comparably long service life and freedom from clogging, which is provided by the wedge-shaped design of the profiles, open up new horizons for our customers.

STAINLESS STEEL IS OUR PASSION

More than 100 years of experience in the manufacture and processing of screens, as well as constant further development, make HEIN, LEHMANN one of the leading companies in this sector.

Our strengths are customer-oriented thinking and incorporating our know-how from other industrial sectors into the task at hand.

Get in contact and allow us to advise you. We look forward to working with you!



CORIMA

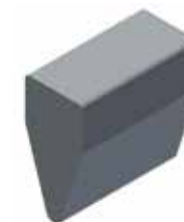
CORIMA welded wedge wire screens consist of precision profiles arranged in rows, which are welded at defined intervals on the crossrods. This creates slot-shaped screen openings between the wedge-shaped profile wires. The variety of profile shapes and the flexibility of the available materials guarantee their use in almost all applications.

In the production of CORIMA welded wedge wire screens, modern machines and utmost care ensure our high-quality standard.

CORIMA – Wire and crossrod variant profiles



Profile	Head width*	Height*
10 Sb	0,75	1,3
12 Sb	1,0	2,0
18 Sb	1,5	2,5
20 Sb	1,5	4,0
22 Sb	1,8	3,7
28 Sb	2,2	4,5
34 Sb	2,8	5,0
42 Sb	3,4	6,5
50 Sb	3,4	7,5



Profile	Head width*	Height*
28 Sbb	2,2	4,5
34 Sbb	2,2	5,0
42 Sbb	2,8	6,5
50 Sbb	3,4	7,5
H 4	3,2	4,5



Profile	Width*	Height*
U 1,31	1,0	3,3
Q 23	4,0	2,0
Q 50/3	4,0	3,0
Q 50/5	4,0	5,0
Q 50/6,5	4,0	6,5
Q 50/10	4,0	10,0
Q 50/14,7	4,0	14,7

* Specifications in mm



RIMA®

RIMA® wedge wire screens are manufactured without the use of heat. The profiles made of round wire are pressed into their respective shapes on our special precision machines and then connected and screwed together with round rods. They are characterised by a very high degree of splitting accuracy. In addition, the modular system means that reinforcements can be integrated at any point on the screen.

RIMA® – Wire variant profiles

	Possible profiles	Head width*	Height**	Total height*	Possible slit widths*	Materials**
12 Fa	1,0	1,6	7,00 – 7,60	0,04 – 0,10	1.4301 1.4306 1.4404	
22 Fa	1,7	3,0	13,9 – 14,5	0,05 – 0,40	1.4401	
28 Fa	2,1	4,1	15,3 – 16,1	0,05 – 0,50	1.4016 1.4306 1.4404 1.4539 2.4858 3.7025 3.7235	
34 Fa	2,5	5,0	16,7 – 17,7	0,20 – 0,75	1.4016 1.4401 1.4439	
42 Fa	3,0	6,0	18,4 – 19,0	0,30 – 0,75	1.4016 1.4404	
12 Wa	1,0	1,6	7,00 – 7,40	0,15 – 0,75	1.4301 1.4306 1.4404	
22 Wa	1,9	3,0	13,9 – 14,5	0,50 – 1,20	1.4401	
28 Wa	2,4	3,9	15,3 – 16,1	0,50 – 1,50	1.4016 1.4301 1.4401 1.4404 2.4858 3.7025 3.7035	
34 Wa	2,9	4,8	16,7 – 17,7	0,50 – 2,00	1.4016 1.4401 1.4439 1.4539	
42 Wa	3,4	6,0	18,4 – 19,0	0,75 – 2,50	1.4016 1.4404	
12 Fb	0,9	1,7	7,20 – 7,60	0,10 – 0,20	1.4301 1.4306 1.4404	
22 Fb	1,5	3,1	13,9 – 14,5	0,10 – 0,50	1.4401	
28 Fb	1,9	4,1	15,8 – 16,6	0,10 – 0,50	1.4016 1.4306 1.4404 1.4539 2.4858 3.7025 3.7235	
34 Fb	2,3	5,0	17,0 – 18,0	0,20 – 0,75	1.4016 1.4401 1.4439 1.4539	
12 Wb	0,9	1,7	7,00 – 7,40	0,25 – 0,85	1.4301 1.4306 1.4404	
22 Wb	1,7	3,0	13,9 – 14,1	0,50 – 1,20	1.4401	
28 Wb	2,2	3,9	14,0 – 15,3	0,50 – 2,00	1.4016 1.4306 1.4404 1.4539 2.4858 3.7025 3.7235	
34 Wb	2,8	4,8	16,2 – 17,2	0,50 – 3,00	1.4016 1.4401 1.4439 1.4539	
42 Wb	3,1	6,0	18,0 – 19,0	0,75 – 3,00	1.4016 1.4404	
28 Fc	2,1	3,9	15,1 – 16,0	0,10 – 0,50	1.4016 1.4306 1.4404 1.4539 2.4858 3.7025 3.7235	
34 Fc	2,5	4,9	17,0 – 17,8	0,20 – 0,75	1.4016 1.4401 1.4439 1.4539	
42 Fc	3,0	6,0	18,4 – 19,0	0,30 – 0,75	1.4016 1.4404	
28 Wc	2,4	3,8	14,5 – 15,5	0,50 – 1,50	1.4016 1.4306 1.4404 1.4539 2.4858 3.7025 3.7235	
34 Wc	2,9	4,6	16,1 – 16,8	0,50 – 2,00	1.4016 1.4401 1.4439 1.4539	
42 Wc	3,4	5,6	17,8 – 18,7	0,75 – 2,50	1.4016 1.4404	

* Specifications in mm

** Other materials available on request

CALCULATION OF THE OPEN SURFACE IN PERCENT

$$\frac{\text{Slit width}}{(\text{profile head width} + \text{gap width})} \times 100$$

OUR MATERIALS

Tailor-made for you

Whether it's corrosion or abrasion, the food or chemical industry, the requirements of our customers are diverse, as diverse as our materials.

Although there is no single all-rounder material that meets every requirement, HEIN, LEHMANN GmbH will find the right material for your application, from simple chrome steel (1.4016) to titanium or Hastelloy C22 – guaranteed!

Profile	Stock materials
10 Sb	1.4404
12 Sb	1.4301 1.4306 1.4435
18 Sb	1.4301 1.4435
20 Sb	1.4301
22 Sb	1.4301 1.4404 1.4435 1.4539
28 Sb	1.4301 1.4306 1.4373 1.4404 1.4435 1.4439 1.4462 3.7025
34 Sb	1.4016 1.4301 1.4401 1.4404 1.4435
34 Sbb	1.4016 1.4034 1.4301 1.4373 1.4404 1.4435 1.4439 1.4539 2.4602 2.4858
42 Sb	1.4016 1.4034 1.4301 1.4401 1.4404
42 Sbb	1.4439
50 Sb	1.4016
50 Sbb	1.4034
H 4	1.4301 1.4306



Not finding a specific material? Just ask us!

Our in-house laboratory will be happy to find the right material for your application.



APPLICATION EXAMPLES



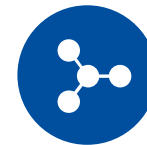
WASTEWATER INDUSTRY
 Rake screens | screen drums
 curved screens



BIOGAS FACILITIES
 Screw press cylinder | Drainage grids



BREWING INDUSTRY
 Bottom segments | screen trough
 screen cylinders | screen plates | filter tubes



CHEMICAL INDUSTRY
 Centrifuge linings | curved screens
 flat screens | screen cylinders



POTASH & SALT INDUSTRY
 Flat screens | curved screens
 centrifuge screens



FOOD INDUSTRY
 Screen cylinders | curved screens
 flat screens | mill screens



STARCH INDUSTRY
 Curved screens | jet washers
 screen drums | omega screens
 shovel screens



SUGAR INDUSTRY
 Bottom segments | side screens
 curved screens for centrifuge linings
 centrifuge linings | washing drums



ARCHITECTURE/HOME AND GARDEN
 Light shaft covers
 ventilation grids | rain gutters
 barbecue grills | panelling of all kinds
 screens for the garden | koi pond filters

OUR PROMISE

We have the technical know-how when it comes to processing, separation and conveying technology and screening machines. We are experienced in the production of machines and components for processing and process engineering. Our knowledge is immense, after all, we have acquired it over decades. Against this background, we provide you with comprehensive and targeted advice on your requirements – right from the start.

HEIN, LEHMANN products are tailor-made, manufactured to the precise millimetre and partly hand-built, naturally by our experts. Whether for screening machines, CONIDUR® perforated plates, wedge wire screens, conveyor belts, or raw material screens:

We will find the right solution for every challenge - we promise!

HEIN, LEHMANN stands for:



Comprehensive expert advice



Industry-specific solution finding



Individual product planning



Customised product manufacturing



Accuracy of fit in every detail



Hand/built by experts



Long-life products



Sales follow-up management



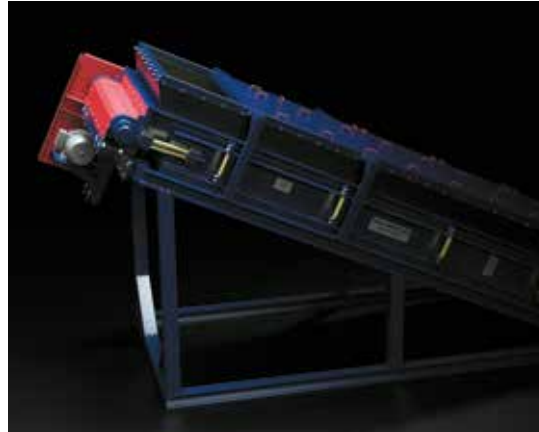
LET'S FACE IT TOGETHER.

Perhaps you have already noticed that we are proud of what the HEIN, LEHMANN family business has achieved over generations and decades. We are happy about what we are doing today and we look forward to what we will achieve together with you. You can be sure of the fact that employees and products from HEIN, LEHMANN set standards – worldwide.

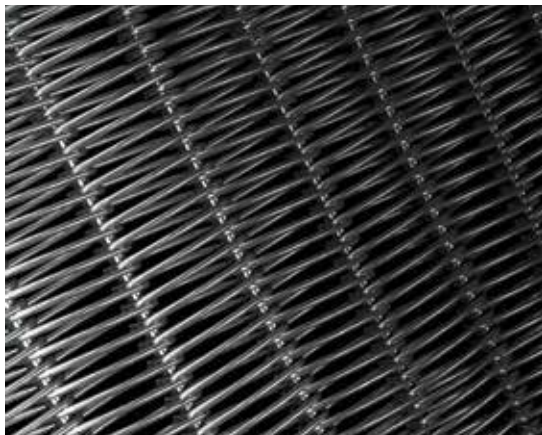
FURTHER PRODUCT GROUPS



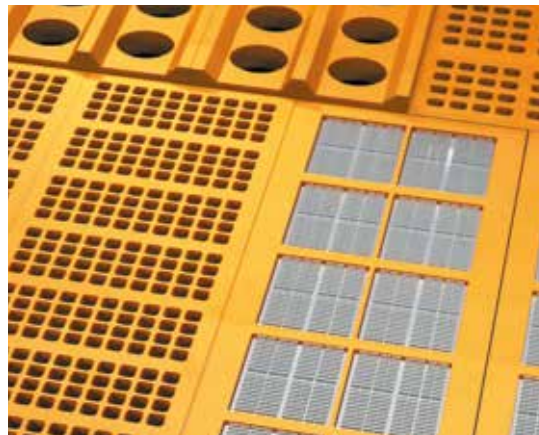
CONIDUR® PERFORATED PLATES



SCREENING MACHINES



CONVEYOR BELTS



RAW MATERIAL SCREENS



CONTACT

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