



■ FVS 700 Individual, laminated EXPENDABLE PARTS

Bars, plates, and blocks: customized wear protection

Over the last few years we have gathered a lot of expertise in producing customized expendable parts of several different types.

Together with you we develop the optimal design with maximum wear and impact protection.

Wear bars, plates or blocks can be fitted with back studs or welded studs in line with your requirements. So it is possible to replace worn sections only rather than replacing whole sheets or plates.

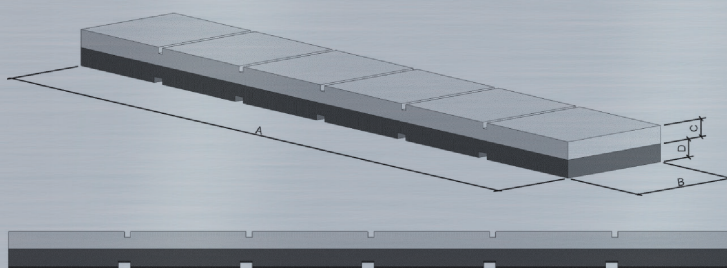
Please contact us to discuss your specific applications and the corresponding sizes.





■ FVS 700 WEAR STRIPS – easy to use.

Wear strips offer a thin wear plate, thickness 6 mm, on a mild steel backing plate, thickness 6 mm (total thickness 12 mm).



Part no.	Description	A mm	B mm	C mm	D mm	Weight kgs
WS 25N	Wear strip	240	25	6	6	0,6
WS 40N	Wear strip	240	40	6	6	0,9
WS 50N	Wear strip	240	50	6	6	1,2
WS 65N	Wear strip	240	65	6	6	1,6

Delivery directly from manufacturer.

Features:

- Martensitic white cast iron metallurgically bonded to a weldable, impact-resistant backing plate.
- FVS 700 Wear Strips offer superior wear and impact resistance when compared to chrome-carbide clad plates or build-up welding alloys.
- Wear strips are cast with 1 mm deep notches on both surfaces to allow parts to be easily cut and shaped to fit over structured surfaces.
- Thinner and lighter than standard wear strips.

Benefits:

- Easy to process and install, can be fitted over bends and curved surfaces.
- Significant increase in wear life when compared to wear-resistant steels, chrome-carbide surfaces and build-up welding.
- Less downtime and maintenance of worn parts.
- Low thickness and weight.
- Cost efficient thanks to longer wear life compared to other materials.

Applications:

Wear strips are used wherever machinery is in contact with the substrate.

Examples:

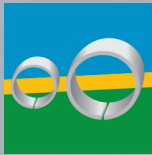
- Substitute build-up welding
- Wear strips for excavator shovels
- Augers
- Grader blades
- Recycling industry
- Road milling machine skids
- Coating of pump housings and stirrers

Standard sizes are available from stock. Please contact us about any questions you may have.

FRIESISCHE VERSCHLEISSTECHNIK GmbH & Co. KG

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■ FVS 700 WEAR BARS – easy to use

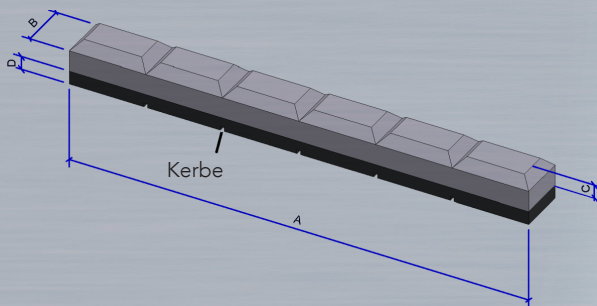
Wear bars are available in a wide range of sizes. So they are fit for use for all of your unique applications.

Wear bars are an inexpensive, efficient alternative to expensive, labour intensive build-up welding methods. Easy to use, cut and bend over curved surfaces.

What is more, no pre-heating is required when welding wear bars into place.

Wear bars are applied for a wide variety of industries, ranging from wear protection on buckets and shovels for excavators, cable carriers, pump housings, impellers, load platforms and chutes, and hammer tips for the recycling industry.

If you consider using wear bars, please contact us.



Part no.	Description	A mm	B mm	C mm	D mm	Weight kgs
CB 25N	Wear bar	240	25	15	8	0,9
CB 40N	Wear bar	240	40	15	8	1,5
CB 50N	Wear bar	240	50	15	8	1,9
CB 65N	Wear bar	240	65	15	8	2,5
CB 90N	Wear bar	240	90	15	8	3,9
CB 100N	Wear bar	240	100	15	8	3,9

Features:

- Martensitic white cast iron metallurgically bonded to a weldable, impact-resistant backing plate.
- FVS 700 Wear Bars offer superior wear and impact resistance when compared to chrome-carbide clad plates or build-up welding alloys.
- Wear bars are cast with notches in the backing plate to allow parts to be easily cut and shaped to fit over curved surfaces.

Benefits:

- Easy to process and install, can be fitted over bends and curved surfaces.
- Significant increase in wear life when compared to wear-resistant steels, chrome-carbide surfaces and build-up welding.
- Less downtime and maintenance of worn parts.
- Cost efficient thanks to longer wear life compared to other materials.

Applications:

- Wear bars are used wherever machinery is in contact with the substrate.

Examples:

- Wear bars for excavator shovels
- Substitute build-up welding
- Augers
- Grader blades
- Recycling industry
- Road milling machine skids
- Coating of pump housings and stirrers

Standard sizes are available from stock. Please contact us about any questions you may have.

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■ FVS 700 LAMINATED EXPENDABLE PARTS

Tough performers: extremely wear-resistant to percussive and/or abrasive strain.



Our different products like, for example, wear plates, wear strips, and wear buttons, have unique features resulting from the extraordinary wear resistance of the white cast iron (Cr-Mo) combined with the excellent processability of the backing plate. The two materials are permanently joined through metallurgical diffusion bonding of high strength. The expendable parts of cast iron have a minimum hardness of 700 HBW (63HRC). The backing plates can be easily welded or mechanically processed and also serve as a buffer of percussive strain of the wearing surface.



Laminated expendable parts are the optimum solution for high abrasion and percussive strain in various fields of application, like

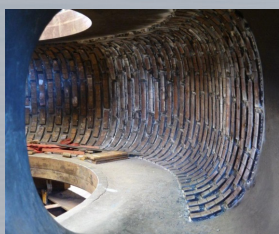
- the mining industry,
- the cement industry,
- dredging,
- the recycling industry, and
- the processing of minerals.



Laminated expendable parts offer extreme protection in extreme application conditions. So production volumes are increased while downtime and maintenance costs are reduced.

Our laminated expendable parts are available in different standard sizes.

Customized parts are also available according to the customer's request. Wear strips and wear bars are widely used products, so chances are that someone is already using it successfully for the application you are enquiring about.



Thanks to the metallurgical diffusion bonding, the laminated expendable parts offer superior features when compared to mechanical and bimetallic constructions. They resist even the most difficult conditions of impact and abrasion.

Applications:

- Delivery chutes and discharging hoppers
- Grates for the cement and mining industries
- Suction lines and heads
- Protection of cutting blades of tunnel boring machines
- Cogs of grinders and shredders
- Protection of excavator shovels



Standard sizes are available from stock. Customized products are available at short notice.

Standard sizes are available from stock. Please contact us about any questions you may have.

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