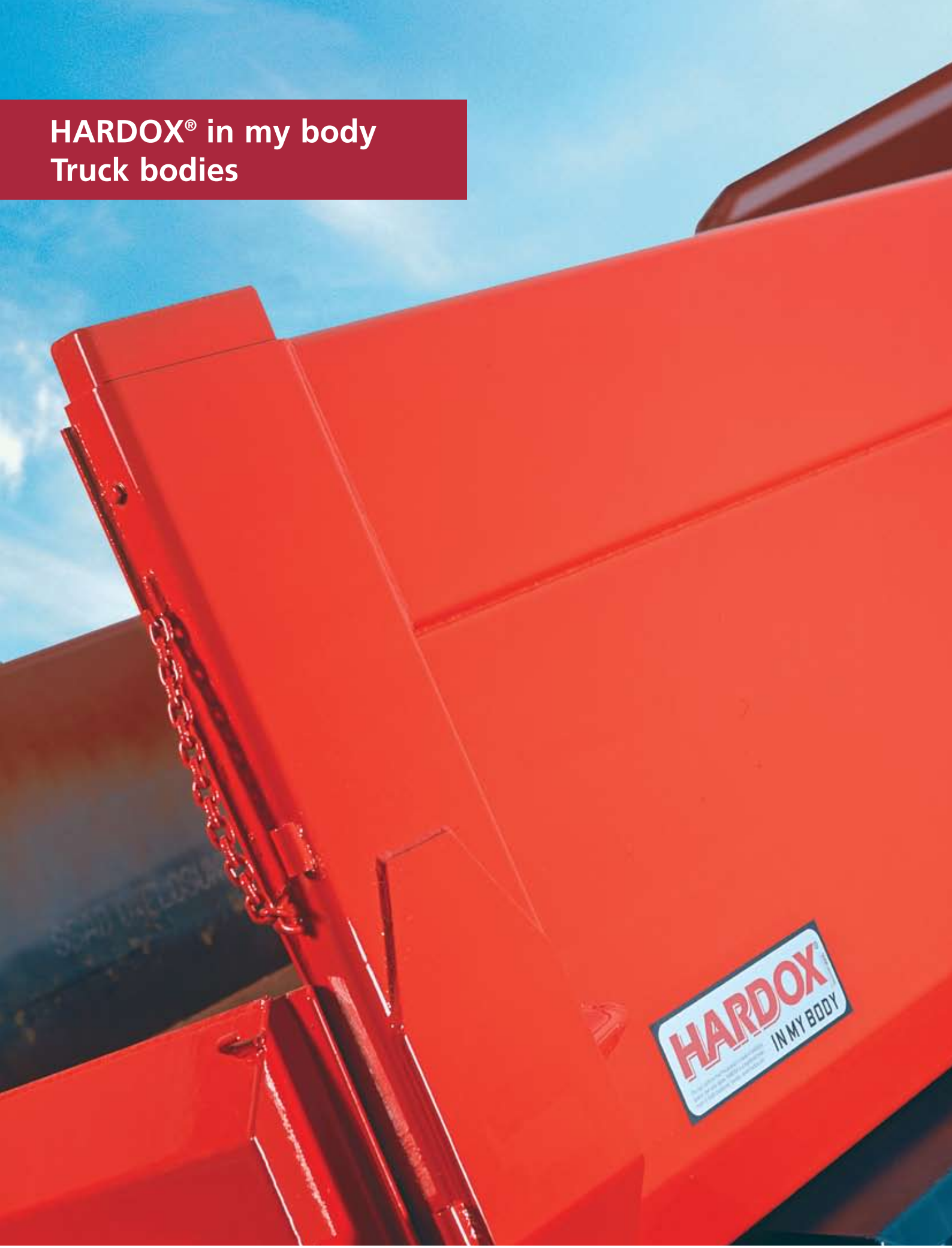
# HARDOX® in my body
# Truck bodies




HARDOX®
WEAR PLATE

# HARDOX® – a part of your success

## HARDOX in my body™

The "HARDOX in my body" sign guarantees that the steel used for your truck body has all of the unique properties of HARDOX wear steels. The sign on the body is your safeguard that you have invested in a truck body made from steel of the highest quality in terms of resistance to wear and cracking. The sign also increases the resale value of your truck.

Only makers of truck bodies who have been carefully vetted and approved by SSAB Oxelösund are entitled to use the sign. The sign is your guarantee that the body meets very strict quality demands on wear resistance.


The "HARDOX in my body" sign guarantees that the body is of the highest quality, has a long useful life and therefore has a high resale value.

## HARDOX in truck bodies

HARDOX wear steel combines toughness with high hardness. In a truck body, this means that the resistance to blows and denting is better than that offered by other steels, and that the wear resistance is higher. So the useful life of your truck body will be longer.


## HARDOX offers a longer useful life

The hardness of HARDOX wear steel is high and uniform. This means that the steel can withstand wear very effectively. HARDOX 400 has a guaranteed hardness range of 370-430 HBW, while the guaranteed hardness range of HARDOX 450 is 425-475 HBW.

The high hardness of HARDOX 400 and HARDOX 450 increases substantially the resistance to sliding wear compared to ordinary steels.

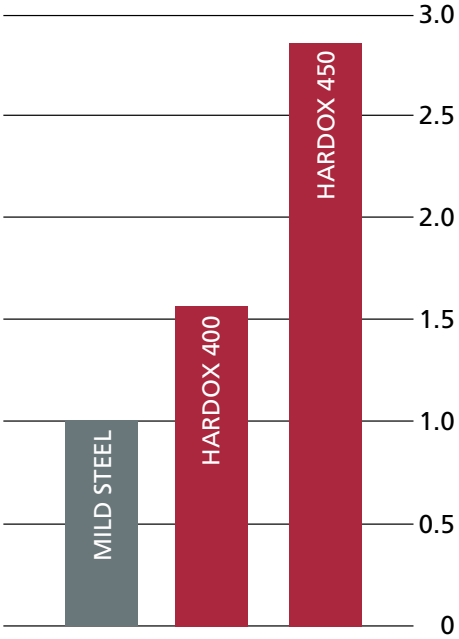
## HARDOX for better economy

High hardness combined with high toughness is the unique feature of HARDOX wear plate. So a truck body made from HARDOX wear steel has a longer useful life. Practical

tests in which we drop 300 kg weights onto HARDOX plate demonstrate the exceptional toughness and resistance to blows and denting.

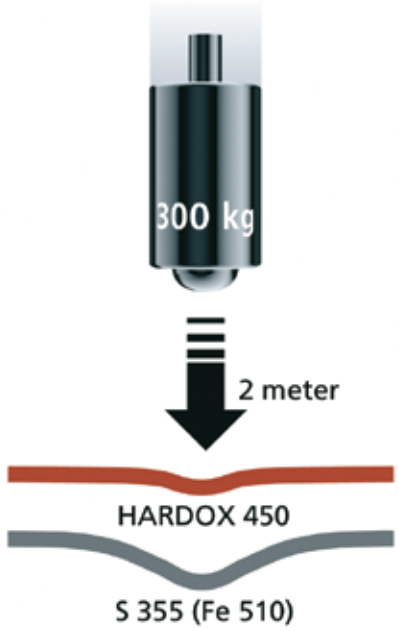
HARDOX 450 has a yield strength of around 1200 MPa and has a very high toughness. So large items can be loaded into the body without causing serious permanent dents. The wear will be uniformly distributed, and the increased useful life will thus result in better overall economy of the body.

The high toughness is due to the extremely high purity of the steel. The only raw material used for HARDOX steels is the exceptionally pure ore from




Relative useful life. Comparison between mild steel (150 HBW), HARDOX 400 and HARDOX 450.

In sliding wear, the higher hardness of HARDOX 450 compared to HARDOX 400 always improves the wear resistance. In favourable cases, such as if the wearing material is granite, the useful life may increase by 75%.




Comparison of mild steel with HARDOX 450.

The method of testing the resistance to blows has been developed by SSAB Oxelösund. The test simulates rigidly mounted plates that are subjected to the impact of a 300 kg weight dropped from a height of 2.85 metres. HARDOX steels suffer much less denting than other steels. In a flexibly mounted plate, which is the case in many half-pipe dumper models, the force is taken up and distributed. The risk of denting HARDOX plate will then be even lower.

northern Sweden. This is unique to HARDOX wear steels. Due to its high purity, HARDOX steel has a higher resistance to cracking, which is particularly useful if the truck body is subjected to extremely hard duty.

## HARDOX opens new opportunities

The combination of high hardness and toughness allows for new approaches in the design of truck bodies made from HARDOX wear steel. The half-pipe dumper design with a minimum of reinforcing beams ensures increased load-carrying capacity without any increase in gross vehicle weight. A truck body without transverse reinforcements on the outside has lower drag, which immediately results in lower fuel consumption. The flat surfaces are also useful if the body is used as an 'advertising pillar' for the company it represents.

The "HARDOX in my body" sign is your safeguard that the body is made from high quality HARDOX wear steel. The wear resistance increases the useful life of the truck body, and the toughness makes it capable of withstanding rough handling. The result is a better overall economy due to the longer useful life and the reduced need for repairs.

A truck body made of HARDOX wear steel is more durable due to the unique combination of hardness and toughness. Increased load-carrying capacity with unchanged weight results in better overall economy.

SSAB Oxelösund is currently the world's biggest producer of hardened structural steels and wear plate. Our products - HARDOX, WELDOX, ARMOX and TOOLOX - are sold in more than 100 countries. The heavy plate produced in our rolling mill is given unique properties by advanced hardening and post-treatment processes.

We also produce standard structural and pressure vessel plate. The steel slabs produced in Oxelösund are delivered to our own rolling mill and to the SSAB Tunnplåt rolling mill in Borlänge.

Steel production at the then Oxelösund Järnverk began back in 1917. Towards the end of the 1950s and in the early 1960s, the plant was expanded to a fully integrated steelworks, with heavy plate as its main product. The world's most modern rolling mill for heavy plate came on stream in 1998. A new line for hardening and finishing thin plate was started in 2001. The Oxelösund steelworks now has a workforce of 2400 employees.

SSAB Oxelösund is a member of the SSAB Swedish Steel Group. The parent company was founded in 1978 and was introduced on the Stockholm Stock Exchange in 1989.

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