

# READY MADE INTEGRATED TOP RAIL FOR TIPPERS/CONTAINERS



## PRODUCT DESCRIPTION

This ready made integrated sidewall and top rail from SSAB provides you with a design made of Hardox® 500 Tuf wear plate. The tested and verified design offers a strong, light and high quality top rail solution well suited for tippers and containers. This design combined with Hardox® 500 Tuf gives an extremely tough tipper side.

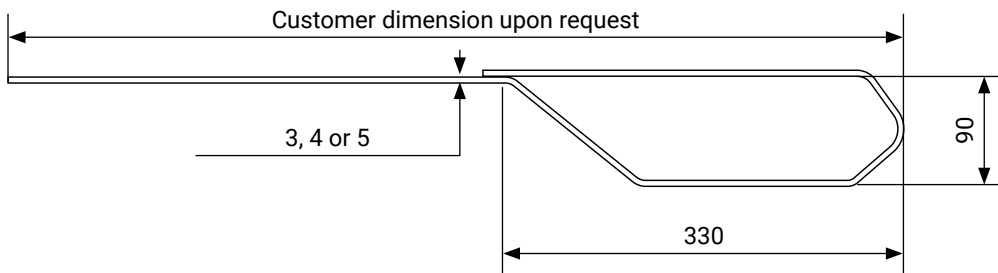
The unique bending method in combination with the great bendability of Hardox® 500 Tuf allows us to create this unique shape well suited for sides in tipper bodies. In addition you can save one longitudinal weld compared to a stand-alone top rail. This gives you a more consistent product with less welds and increased efficiency in your workshop.

## FEATURES AND BENEFITS

- Optimized tipper body side
- Reduced welding
- Made of Hardox® 500 Tuf
- Extremely tough
- Possibility to tailor sections in other grades.

## TECHNICAL DATA FOR INTEGRATED TOP RAIL

THICKNESS	LENGTH	WIDTH	HEIGHT
3 mm	3 – 9 m	90 mm	Customer dimension upon request
4 mm	3 – 9 m	90 mm	Customer dimension upon request
5 mm	3 – 9 m	90 mm	Customer dimension upon request



All dimensions in mm.

The above design illustrates a generic geometry that suits tipper bodies and hook lift containers very well. Other geometries and steel grades are possible. Production feasibility needs to be verified by SSAB.

## MATERIAL SPECIFICATIONS

Hardox® 500 Tuf combines the best properties from the Hardox® 450 and Hardox® 500 grades. It has the toughness necessary to perform as a structural material in heavy-duty tipper bodies, container and buckets. It also works in freezing conditions as the impact energy values indicate. Superior wear and dent resistance gives extended service life and the ability to endure heavy impact.

Typical working conditions include loading and unloading of heavy and sharp rocks in quarries and mines, handling large and heavy steel scraps, and in demolition when pieces of concrete with rebar are loaded or dropped into tippers. Hardox® 500 Tuf has a guaranteed impact energy of 27 J at -20°C, and a typical value of 45 J at -40°C. It has an unusually narrow Brinell hardness window of 470 – 550 HBW.

## THICKNESS

Tolerances according to Hardox® Thickness Guarantees.

Hardox® Guarantees meets the requirements of EN 10 029 Class A.

## DELIVERY CONDITIONS

- Cold formed section
- Quantity on request.

## PROCESSING AND OTHER RECOMMENDATIONS

### Welding, bending and machining

Recommendations are found in Hardox® wear plate brochures at [www.ssab.com](http://www.ssab.com) or consult SSAB Tech Support, [techsupport@ssab.com](mailto:techsupport@ssab.com).

Appropriate health and safety precautions must be taken when welding, cutting, grinding or otherwise working on this product during assembly.

## ADDITIONAL INFORMATION

For more information and quotes contact SSAB Sales  
<https://www.ssab.com/en/contact/contact-sales>