



## RAMOR 300

### General Product Description

The low-alloy protection plate

Ramor™ 300 is a low-alloy protection plate, available as sheet in thicknesses of 3-6 mm (0.118-0.236") and delivering a hardness of 260-320 HBW.

Ramor 300 is not intended for further heat treatment.

### Dimension Range

Ramor 300 is available as cut-to-length sheet in thickness between 3.0-6.0 mm.

### Mechanical Properties

| Thickness (mm) | Hardness (HBW) |
|----------------|----------------|
| 3.0- 6.0       | 260- 320       |

### Mechanical Testing

Brinell hardness test according to EN ISO 6506-1 on each heat treatment individual/coil.

Hardness is measured on a milled surface 0.3-2 mm below plate surface.

### Chemical Composition (ladle analysis)

| C (max %) | Si (max %) | Mn (max %) | P (max %) | S (max %) | Cr (max %) | Mo (max %) | B (max %) |
|-----------|------------|------------|-----------|-----------|------------|------------|-----------|
| 0.20      | 0.50       | 2          | 0.030     | 0.010     | 0.80       | 0.30       | 0.005     |

The steel is grain-refined. Phosphorous and sulphur are not intentionally alloying elements.

### Tolerances

More details are given on [www.ssab.com](http://www.ssab.com)

# RAMOR 300

## Thickness

| Cut Length<br>Product Type | Thickness<br>(mm) | Tolerance<br>(Min / Max) |
|----------------------------|-------------------|--------------------------|
| Cut Length                 | 3.00- 4.00        | - 0.0 / + 0.36           |
| Cut Length                 | 4.01- 5.00        | - 0.0 / + 0.40           |
| Cut Length                 | 5.01- 6.00        | - 0.0 / + 0.42           |

## Length and Width

Tolerances according to EN 10051. Sheets are delivered with mill edges cut as standard.

## Flatness

Tolerances according to SSAB's flatness tolerances.

| Cut Length<br>Product Type | Thickness<br>(mm) | 1000 Ruler<br>(mm) |
|----------------------------|-------------------|--------------------|
| Cut Length                 | 3.00- 4.00        | 6                  |
| Cut Length                 | 4.01- 5.00        | 6                  |
| Cut Length                 | 5.01- 6.00        | 6                  |

## Shape

Tolerances according to EN 10051.

## Surface Properties

According to EN 10163-2 Class B subclass 3.

## Delivery Conditions

Ramor 300 is delivered in quenched condition.

## Fabrication and Other Recommendations

### Welding, bending and machining

For information concerning welding and fabrication, see SSAB's brochures on [www.ssab.com](http://www.ssab.com) or consult Tech Support, [techsupport@ssab.com](mailto:techsupport@ssab.com).

Ramor 300 is not intended for further heat treatment. If Ramor 300 is heated above 150 °C after delivery from SSAB no guarantees for the properties are given.

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

Grinding, especially of primer coated plates, may produce dust with high particle concentration.

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