

Domex 200

Deep drawing steel

Product

Domex 200 is a hot-rolled drawing sheet intended for deep drawing. The material has excellent forming properties. Domex 200 can be used for stretch forming and deep drawing, of both complex and simple parts.

Due to close tolerances on thickness and good surface finish, hot-rolled Domex 200 sheet can replace cold-rolled pressing sheets for certain applications.

Typical applications for Domex 200 include pressed parts for cars, such as mountings, brackets, beams, chassis members, wheels, brake cylinders, ball-bearing cages and fans.

Dimension range

| Thickness (mm) | Width (mm) |
|----------------|------------|
| 1,80 - (2,00) | 800 - 1190 |
| 2,00 - (2,25) | 800 - 1390 |
| 2,25 - (2,50) | 800 - 1440 |
| 2,50 - (3,00) | 800 - 1530 |
| 3,00 - 16,00 | 800 - 1600 |

All widths are specified with as-rolled edges.

Chemical composition

| | C % typical | Si % max | Mn % typical | P % max | S % max |
|-----------|-------------------|----------------|--------------------|---------------|---------------|
| Domex 200 | 0,05 | 0,03 | 0,20 | 0,030 | 0,025 |

Mechanical properties

| | Yield strength R_e N/mm ² typical | Tensile strength R_m N/mm ² max | Elongation A_{80} % (2-3 mm) min | A_5 % (2-12mm) min |
|-----------|--|--|---|----------------------------|
| Domex 200 | 220 | 410 | 33 | 37 |

Bendability

| | Nominal sheet thickness, r_t | |
|--|--------------------------------|---------|
| | ≤ 6 mm | > 6 mm |
| Min recommended bending radius ($\leq 90^\circ$) | 0 x t | 0,4 x t |



Ball-bearing cage from SKF manufactured from Domex 200 sheet.

The particulars in this data sheet are correct at the time of going to print and are intended to give general guidance for the use of the product. Subject to changes arising from continual product development. The information and data must not be regarded as guaranteed values, unless specially confirmed in writing.

Technical service and information

Knowledge Service Center will be pleased to assist with additional information concerning this product and other products from SSAB Tunnpåt.

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