

# Mild, unalloyed steels for cold rolling

Technical Terms of Delivery

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# Mild, unalloyed steels for cold rolling

We supply mild steels for cold rolling in accordance with DIN 1614-86, Part 1.

## Overview

### St 22 (drawing quality)

From ordinary, non-formed parts up to parts with medium drawing depth. For edging and for difficult shapes with narrow radii.

### RRSt 23 (deep-drawing quality)

For higher forming requirements, as for drawn parts and difficult shapes with very narrow edging radii.

### St 24 (special deep-drawing quality)

For high forming requirements such as for greater drawing depth, for multi-stage deep drawing and most difficult section shapes.

## Steel grades

Comparison table

DIN 1614-86 Part 1	UNI 6681	NF A 36-102
St 22	Fe H 20	Fd 2
RRSt 23	Fe H 30	Fd 3
St 24	Fe H 40	Fd 4

### Chemical composition

Guaranteed values of heat analysis in %

Steel grade	C max.	Mn max.	P max.	S max.	Al max.	N max.	Material No.
St 22	0.10	0.45	0.030	0.030	-	0.007	1.0320
RRSt 23	0.10	0.45	0.025	0.025	0.020	-	1.0359
St 24	0.08	0.40	0.025	0.025	0.020	-	1.0327

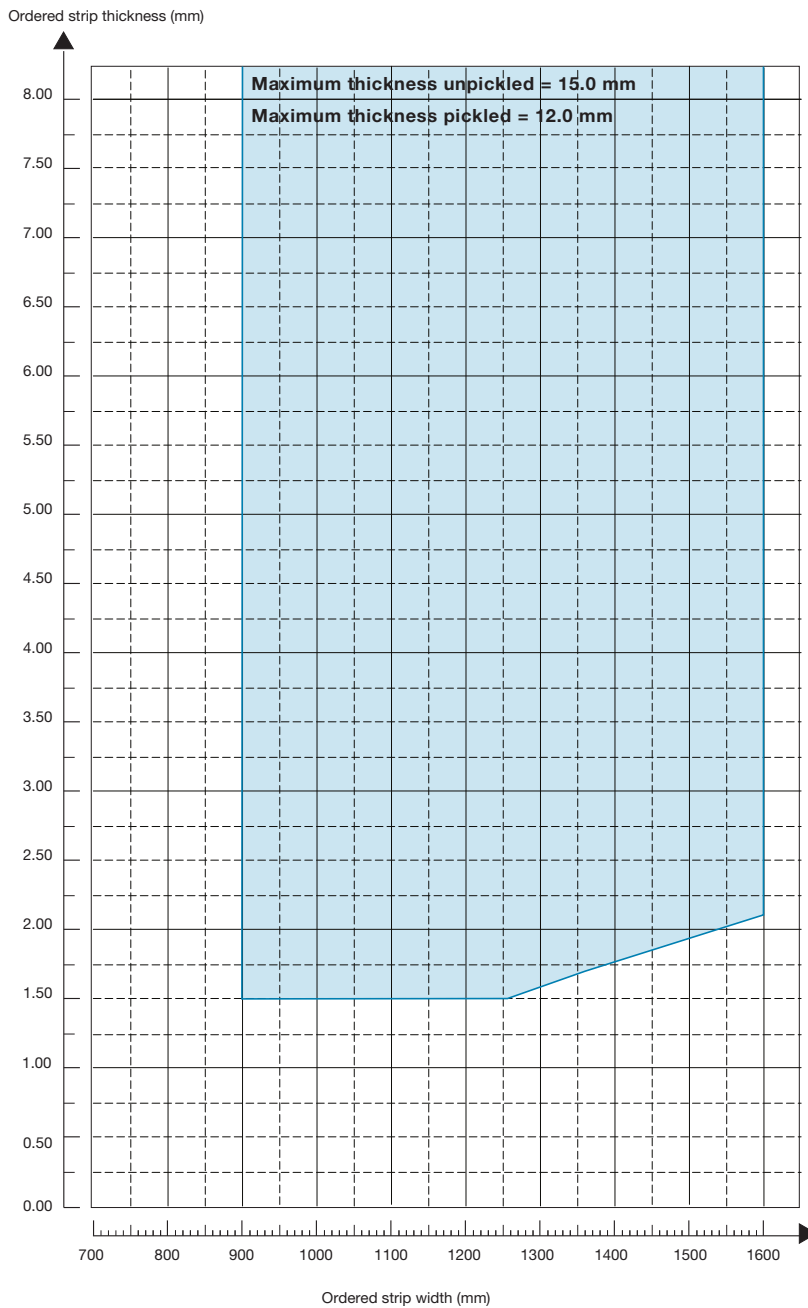
The order should make special reference if the hot-rolled strip is intended for use in the production of cold-rolled material suitable for:

- Galvanizing or other types of surface coatings
- Best surface conditions, e.g. surface B pursuant to EN 10130 or RPG according to DIN 1624.

# Available dimensions

## St 22, RRSt 23

Available dimensions mild steels

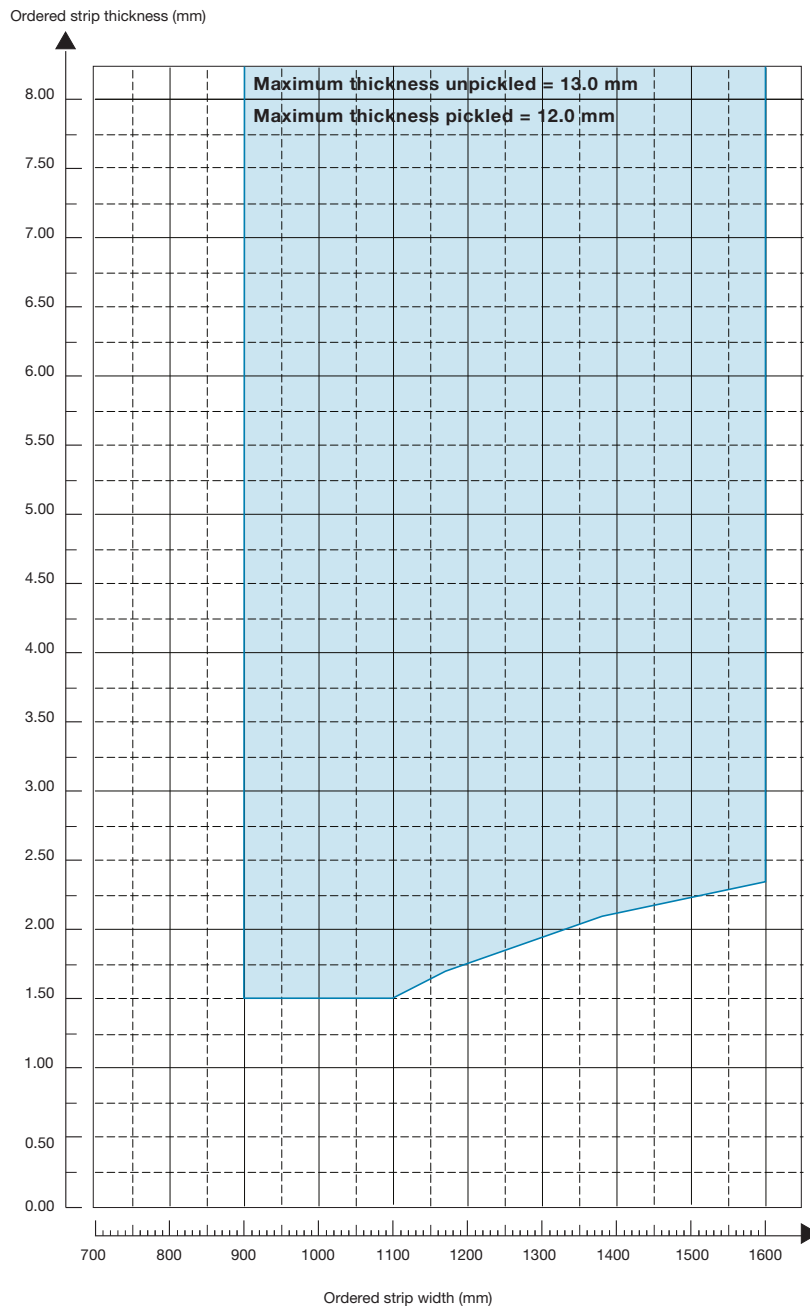


The graphics refer to thickness values with symmetrical thickness tolerances.

Please contact our sales departments for dimensions in widths below 900 mm (production scheduling for center slitting and longitudinal slitting lines).

## St 24

Available dimensions mild steels



The graphics refer to thickness values with symmetrical thickness tolerances.

Please contact our sales departments for dimensions in widths below 900 mm (production scheduling for center slitting and longitudinal slitting lines).

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# Technically more advanced. Successful together.

**voestalpine Steel Division – the partner you can trust.**

High-quality materials are the basis for our products. We strive to be the best partner for our customers and want to provide them with the best-possible solution. We focus our expertise on two aspects:

The personal aspect, with dedicated and highly competent employees

The technical aspect, with high-quality methods, products and services.

The companies in the voestalpine Steel Division and their employees understand partnership to be the following:

- Understanding for their customers' business
- Expertise and reliability
- Responsibility for satisfactory project completion
- Partnerships based on trust

Many years of successful partnerships with our customers prove our point.

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