

SOFT UNALLOYED STEELS FOR COLD ROLLING

Steel Grades

St 22

RRSt 23

St 24

SOFT UNALLOYED STEELS FOR COLD ROLLING

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

ST 22 (DRAWING QUALITY)

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

RRST 23 (DEEP-DRAWING QUALITY)

For higher forming requirements as for deep-drawing and difficult shapes with very narrow edging radii.

ST 24 (SPECIAL DEEP-DRAWING QUALITY)

For high forming requirements as, for instance, for deep-drawing of larger drawing depth, for multi-stage deep-drawing and most difficult section shapes.

STEEL GRADES

Comparison Table

COMPARISON TABLE

DIN 1614, 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 min.	N max.	Material No.
St 22	0.10	0.45	0.030	0.030	0.020	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	0.020	0.020		1.0327

Special reference shall be made upon ordering if the hot-rolled strip will be used to produce cold-rolled material

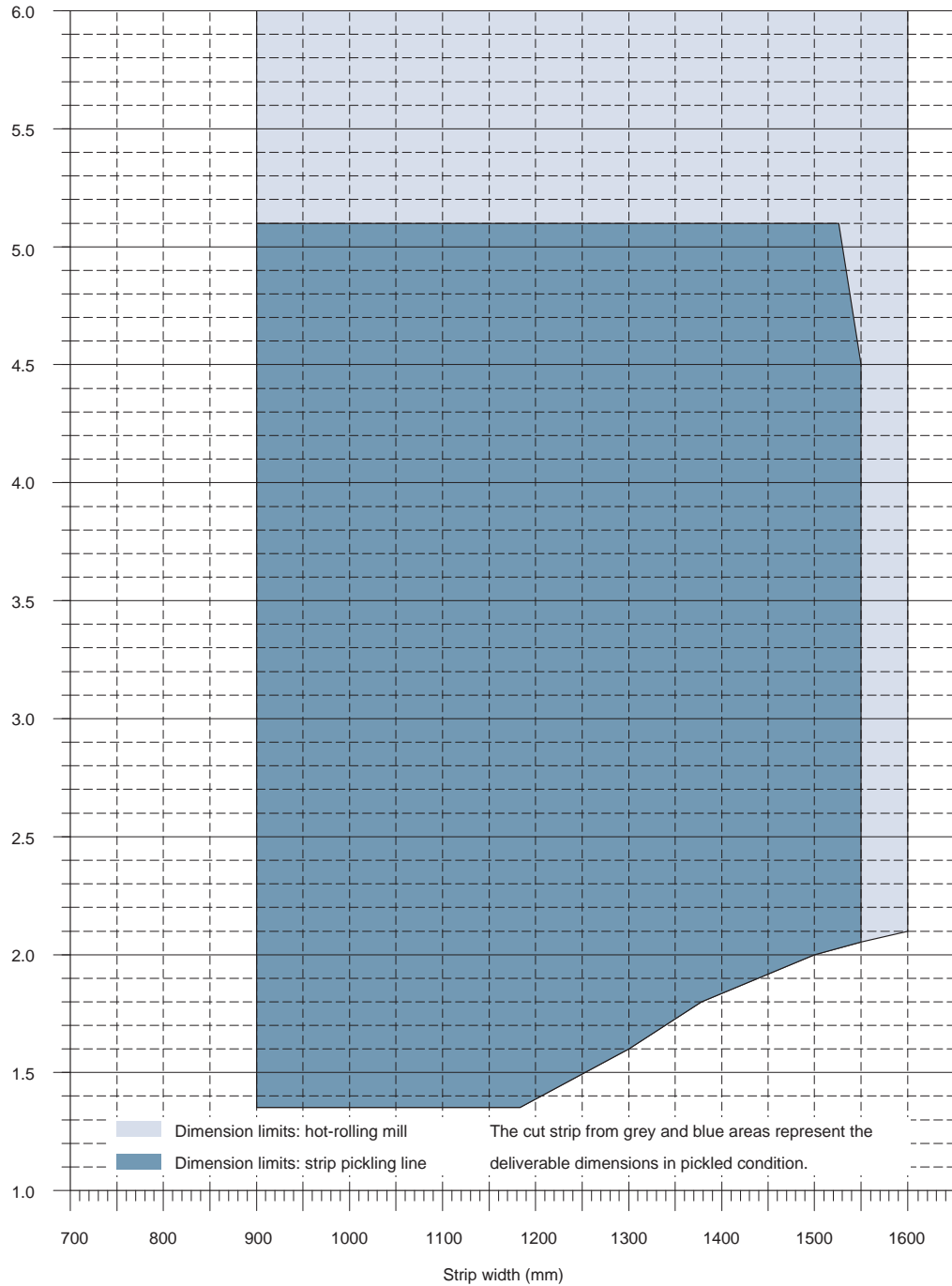
- suitable for galvanising or other kinds of surface coatings, or
- with best surface conditions, e.g. surface B pursuant to EN 10139 (or RPG = free from cracks and pores, bright according to former DIN 1624).

Special agreements have to be made if the cold-rolled plate is to be suitable for enamelling.

AVAILABLE DIMENSIONS SOFT UNALLOYED STEELS

St 22, RRSt 23

Strip thickness (mm)

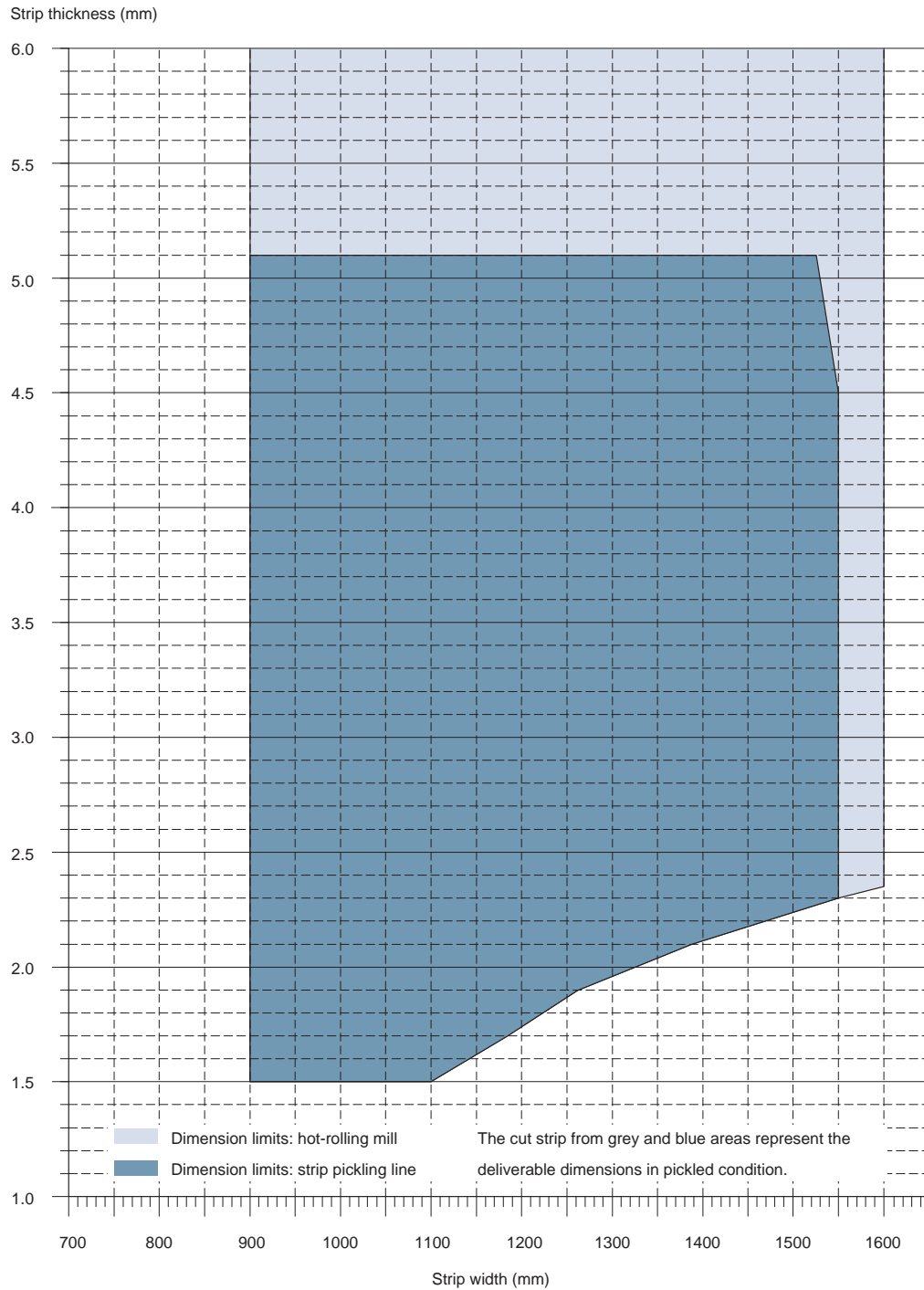


The graphs represent thickness with symmetric tolerances.

Please contact our sales departments for dimensions in thicknesses below 900 mm (production in transverse and longitudinal slitting lines).

AVAILABLE DIMENSIONS SOFT UNALLOYED STEELS

St 24



The graphs represent thickness with symmetric tolerances.

Please contact our sales departments for dimensions in thicknesses below 900 mm (production in transverse and longitudinal slitting lines).