

1.1.2. (continued)

Angles	Leg length h :- $h \leq 50$ mm $h = 60$ mm $70 \leq h \leq 100$ mm $h > 100$ mm	-1,2 to + 1,2 -1,6 to + 1,6 -2,4 to + 3,2 -3,2 to + 3,2
Flats	Width b :- $b \leq 25$ mm $25 < b \leq 50$ mm $50 < b \leq 100$ mm $100 < b \leq 150$ mm $180 \leq b \leq 200$ mm $b > 200$ mm Thickness t :- $6 \leq t \leq 10$ mm $12 \leq t \leq 20$ mm $22 \leq t \leq 30$ mm $35 \leq t \leq 40$ mm $b \geq 180, t \leq 25$ mm $b \geq 180, t > 25$ mm	-0,4 to + 0,8 -0,8 to + 1,2 -1,2 to + 1,6 -1,6 to + 2,4 -4,8 to + 6,4 -6,4 to + 6,4 -0,4 to + 0,4 -0,4 to + 0,8 -0,8 to + 0,8 -0,8 to + 1,6 -0,8 to + 0,8 -0,8 to + 1,6
Rounds	Diameter ϕ :- $6 \leq \phi \leq 10$ mm $10 < \phi \leq 50$ mm $50 < \phi \leq 100$ mm $100 < \phi \leq 165$ mm	-0,4 to + 0,4 -0,8 to + 0,8 -1,6 to + 1,6 -3,2 to + 3,2

1.1.3. Standard lengths

The different steel producers supply sections and bars to different standard lengths, but all sections are available in the following lengths:-
6 m, 9 m, 10 m, 11 m, 12 m and 13 m.

1.1.4. Qualities

The following sections and bars may be supplied in mild steel if no quality is specified:-

- Angles (equal leg) smaller than 90 x 90 mm
- Angles (unequal leg) smaller than 90 x 75 mm
- Flats under 180 mm wide
- Rounds under 45 mm diameter

No chemical and mechanical properties are specified for mild steel.
The carbon content normally does not exceed 0,3%

1.2 Slabs, Plates and Sheets

Slabs, plates and sheets are supplied subject to the tolerances in the tables below.

1.2.1. Tolerances on thickness

SLABS

Thickness range (mm)	% under	% over
$50 < t \leq 75$	2	3,5
$75 < t \leq 100$	2	2,5
$100 < t \leq 150$	1	2,5

PLATES

Thickness range (mm)	% under	% over
$4,5 < t < 6$	4	8
$6 \leq t < 8$	4	6
$8 \leq t < 10$	3,5	5,5
$10 \leq t < 12$	3	5
$12 \leq t < 18$	2	4
$18 \leq t \leq 50$	1,5	3,5

SHEET

Range of widths	Thickness tolerances in mm over and under for thickness t in mm						
mm	$1,6 \leq t \leq 1,8$	$1,8 < t \leq 2,5$	$2,5 < t \leq 4,5$	$4,5 < t \leq 5,8$	$5,8 < t \leq 6,6$	$6,6 < t \leq 10$	$10 < t \leq 12$
$600 < b \leq 800$	0,15	0,18	0,18	0,20	0,28	0,30	0,36
$800 < b \leq 1000$	0,15	0,18	0,18	0,20	0,28	0,30	0,36
$1000 < b \leq 1225$	0,15	0,18	0,20	0,23	0,28	0,30	0,36
$1225 < b \leq 1525$	—	0,18	0,20	0,28	0,30	0,33	0,36
$1525 < b \leq 1800$	—	—	0,20	0,30	0,30	0,33	0,36

1.2.2. Tolerances on width and length

SLABS AND PLATES

- Width: not more than 6 mm under that specified, but up to 35 mm over, depending on dimensions of plate or slab.
Length: not more than 6 mm under that specified, but up to 76 mm over, depending on dimensions of plate or slab.

SHEET

- Width: at least equal to that specified, but up to 8 mm over, depending on width.
Length: at least equal to that specified, but up to 38 mm over, depending on length.