

IF

Mild non-alloy steels for cold-reducing

Material no.	1.0873 ¹⁾
according to	DIN EN 10130
Tensile strength class	A

1) Hot-rolled coil for producing DC06 (IF steel) according to EN 10130 is delivered with a chemical composition as indicated below.

Usage

These steel grades are delivered as feed-stock for cold-rolling.

Chemical composition¹⁾

(in percent by weight)

	min.	max.
C		0,02%
Mn		0,25%
P		0,020%
S		0,020%
Ti ²⁾		0,300%

1) Heat analysis

2) Titanium can be replaced by niob. Carbon and nitrogen must be fixed completely.

Mechanical properties

Nom. thick. e	Tensile strength R _m
	270 – 330 MPa

The sample for the tensile test are taken at right angles to rolling direction unless the product width is opposed to this.

The mechanical values only apply to the cold-reduced state.

Available dimensions

Hot-rolled coils unpickled, mill edge

Thickness in mm	Width in mm
1,50 – 1,79	900 – 1250
1,80 – 1,99	900 – 1390
2,00 – 2,24	900 – 1540
2,25 – 2,49	900 – 1700
2,50 – 12,70	900 – 1880

Widths < 900 mm and thicknesses > 12,70 mm on request

Condition of delivery, scope of testing and certificate

The provisions of EN 10111, shall apply for delivery and inspection, chapter 6.

Hot-rolled slit strip

Thickness in mm	Width in mm
1,50 – 1,79	100 – 515
1,80 – 1,99	100 – 635
2,00 – 2,24	100 – 760
2,25 – 7,00	100 – 800
7,01 – 8,00	140 – 800
8,01 – 9,00	175 – 800
9,01 – 10,00	233 – 800

Widths < 100 mm on request