

# Price List for HOT-ROLLED PRODUCTS (Hot-rolled strip)

1/3

Effective as of 1 April 2008. Prices are in €/tonne excluding tax and are subject to our **General Terms and Conditions for Delivery and Payment**. This price list applies to the manufacturing programme of Salzgitter Flachstahl. Deliveries shall be billed according to their actual weight.

(<sup>1</sup>) By prior agreement

(\*) Not included in the standard

## 1. Basis price

Basis steel grade	DD11	( <sup>1</sup> )
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## 2. Parity points

• Essen (Germany)	• Eisenhüttenstadt (Germany)
• Avilés (Spain)	• Baracaldo (Spain)
• Charleroi (Belgium)	• Fos-sur-Mer (France)
• Gent Zeehaven (Belgium)	• Dunkerque (France)
• Seraing (Belgium)	• Thionville (France)
• Milano (Italy)	• Ijmuiden (Netherlands)

## 3. Extra charges

### 3.1 Steel grades

#### 3.1.1 Low-carbon steel for cold forming

DIN EN 10111	DIN 1614, Part 2	
DD12	RRStW 23	10
DD13	StW 24	15
DD14		25

#### – Special low-carbon steel for cold forming –

DD14 Bor ( <sup>*</sup> )	28
DD14 Ti ( <sup>*</sup> )	30

#### 3.1.2 Low-carbon steel for cold rolling

DIN 1614, Part 1	
St 22	0
RRSt 23	8
St 24	15
St 25 ( <sup>*</sup> )	25
IF ( <sup>*</sup> )	50

#### 3.1.3 Structural steel

DIN EN 10025-2 : 2005	DIN EN 10025 : 1994	
S235JR	S235JR	16
S235JRC		34
S235JRC+N		42
S235J2	S235J2G4	20
S235J2+N	S235J2G3	25
S275JR	S275JR	20
S275JRC		39
S275JRC+N		47
S275J2	S275J2G4	35
S275J2+N	S275J2G3	40
S355JR	S355JR	40
S355J0	S355J0	45
S355J2	S355J2G4	50
S355J2C(+N)		77
S355J2+N	S355J2G3	59
S355K2	S355K2G4	55
S355K2+N	S355K2G3	60
E295	E295	40
E335	E335	50
E360	E360	55

#### – Steel for laser cutting –

Salzgitter 240 ( <sup>*</sup> )	30
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#### – Steel for forming with high internal pressure –

S280IHU ( <sup>*</sup> )	70
S320IHU ( <sup>*</sup> )	80

#### 3.1.4 Steel for case-hardening

DIN EN 10084	
C10E	20
C15E	30
16MnCr5	( <sup>1</sup> )

#### 3.1.5 Heat-treatable steel

DIN EN 10083-2	
C22	35
C35	40
C45	50
C55	60
C60	65
22MnB5	65
DIN EN 10132-4	
C67S	70
C75S	75
51CrV4	( <sup>1</sup> )

Additional steel grades in accordance with DIN EN 10083-1 and 10083-3 (boron alloyed steels of range 16MnB5 to 34MnB5) by arrangement.

#### 3.1.6 High-strength steel for cold forming

##### – thermomechanically rolled –

DIN EN 10149-2	
S315MC	35
QStE340TM ( <sup>*</sup> )	45
S355MC	45
QStE380TM ( <sup>*</sup> )	50
S420MC	65
S460MC	75
S500MC	80
S550MC	90
S600MC	110
S700MC	230

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## – normalised rolled –

DIN EN 10149-3	
S260NC	48
S315NC	58
S355NC	68

## 3.1.7 Steel for large welded pipes

DIN EN 10208-2	API 5L	
L245NB/MB	Grade B	25
L290NB/MB	X42	40
	X46	45
L360NB/MB	X52	55
	X56	65
L415MB	X60	80
L450MB	X65	100
L485MB	X70	120

Note: Extra charge for DWTT upon request

## 3.1.8 Steel for gas cylinders and tanks

DIN EN 10120	
P245NB	27
P265NB	35
P310NB	40
P355NB	50

## 3.1.9 Creep-resistant steel for pressure vessels

DIN EN 10028-2	
P235GH	45
P265GH	55
P295GH	60
P355GH	70
16Mo3	( <sup>1</sup> )

## 3.1.10 Weldable fine-grained steel for pressure vessels

DIN EN 10028-3 and DIN EN 10028-5	
P275NH	65
P275NL1	70
P275NL2	75
P355M/P355ML1/P355ML2	65
P355N	75
P355NH	80
P355NL1	85
P355NL2	90
P420M/P420ML1/P420ML2	80
P460M/P460ML1/P460ML2	80

## 3.1.11 Steel for regular pressure vessels

DIN EN 10207	
P235S	45
P265S	50
P275SL	55

## 3.1.13 Multi-phase steel

### – Dual-phase steel –

SEW097 Part 1	
DP550	80
DP600	85

### 3.1.13 Bainitic steel

SZBS800 ( <sup>*</sup> )	( <sup>1</sup> )
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### 3.1.14 Martensite-phase steel

SZMS1200 ( <sup>*</sup> )	( <sup>1</sup> )
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## ■ 3.2 Deviating chemical Analysis

### 3.2.1 Steel with copper addition

Percentage of Cu	
0.20 % ≤ 0.40 %	30

### 3.2.2 Steel with sulphur content

Percentage of S	
≤ 0.002 %	( <sup>1</sup> )
> 0.002 % ≤ 0.005 %	( <sup>1</sup> )
> 0.005 % ≤ 0.010 %	( <sup>1</sup> )

## ■ 3.3 Hot Strip dimensions

### Thicknesses and widths (combined)

Width (mm)	900	1100	1550
	<	<	<
Thickness (mm)	1100	1550	1880
1.50 < 1.80	40	35	-
1.80 < 2.00	35	28	-
2.00 < 2.50	28	23	( <sup>1</sup> )
2.50 < 3.00	25	20	20
3.00 < 4.00	23	18	20
4.00 < 7.00	20	16	18
7.00 < 10.00	25	18	20
10.00 < 12.00	28	20	23
12.00 < 15.00	28( <sup>1</sup> )	25( <sup>1</sup> )	25( <sup>1</sup> )
15.00 < 20.00	40( <sup>1</sup> )	30( <sup>1</sup> )	25( <sup>1</sup> )
≥ 20.00	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

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## 3.4 Pickling (hot-rolled strip with mill edges)

Width (mm)	900
	<
Thickness (mm)	1880
1.50 < 1.75	43
1.75 < 2.00	38
2.00 < 7.00	28
7.00 < 10.00	40
10.00 < 12.00	50
12.00 ≤ 15.00	60

### Supplements for tensile strengths

≥ 490 MPa < 700 Mpa	8
≥ 700 MPa < 950 Mpa	12
≥ 950 MPa	15

### Supplements for uncoiled pickled coils and sheets

Uncoiled pickled coils and sheets	10
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## 3.5 Edge trimming

Unpickled	20
Pickled, thickness < 6 mm	10
Pickled, thickness ≥ 6 mm	20
Pickled with high tensile strength ≥ 700 MPa	20

## 3.6 Surfaces

Improved flatness by skinpassing	20
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## 3.7 Extra charges for small quantities

Coils	in kg/mm strip width	
	17-23	9-15
1	8	12
≥ 2	0	4
≥ 4	0	0

Minimum purchase quantity in identical Specification is one coil unit (18 - 22 kg/mm width).

## 3.8 Tolerance ranges acc. to DIN EN 10051

### 3.8.1 Tolerances on thicknesses

50 % of the standard	0
40 % of the standard	10
30 % of the standard	20
20 % of the standard	30

Based on values specified in tables 3 and 4 of DIN EN 10051.

Lowest tolerance limit: +/- 0.06 mm.

Max. hot thickness 8.00 mm, larger thickness by previous agreement.

### 3.8.2 Transverse tolerances (camber) for a measuring point C40

Grades acc. to strength category in accordance with the specifications of the manufacturing programme.

	Strength categories	
	A and B	C and D
max. 120 µm	0	0
max. 80 µm	5	15
max. 60 µm	10	20

Tighter camber values or values at measuring point C25 upon request.

## 3.8.3 Tighter tolerances on width

Unpickled	20( <sup>1</sup> )
Pickled – thickness ≥ 6 mm (also for trimmed hot-rolled strip)	20( <sup>1</sup> )
Pickled – thickness < 6 mm (also for trimmed hot-rolled strip)	10( <sup>1</sup> )

## 3.9 Packaging

Coils and sheets are billed gross for net.

Paper/plastic	Edge protection	Seaworthy/Hardboard	
no	yes	no	0
yes	yes	no	5
yes	yes	yes	10

## 3.10 Certificates – Inspections acc. to DIN EN 10204

### 3.10.1 Certificates on basis of non specific testing

Standard data		
Attestation of conformity with the order	2.1	0
Test report of the ladle analysis	2.2	0
Test report of the ladle analysis + mechanical properties	2.2	3

### 3.10.2 Certificates on basis of specific testing

Standard data		
Inspection certificate (Factory inspection)	3.1	5
Inspection certificate (Inspection by third party)	3.2	10
Supplementary test not mentioned in a standard		( <sup>1</sup> )

## 4. Tolerances on quantities

Tonnage of the item	Tolerances
< 25 t	+/-25 %
25 < 50 t	+/-20 %
50 < 100 t	+/-15 %
100 < 300 t	+/-10 %
≥ 300 t	+/-5 %