Net Price List Heavy Plate Quarto Range

Effective for deliveries from October 1st, 2011 within the European Union. Prices in Euro/t, if not noted differently.

This price list applies in conjunction with our **general conditions for delivery and payment and our genenral terms and conditions.**

[1] Plus alloy-price upcharges or discounts valid on the day of dispatch.

[2] Plus scrap-price upcharges or discounts valid on the day of dispatch.

Alloy- and scrap-price upcharges or discounts are published separately.

A range of possible additional requirements is listed in the various standards and delivery conditions. When the customer has no need of these additional requirements and the order contains no corresponding requirements, the product will be delivered according to the minimum applicable standards and delivery conditions. Orders with additional requirements will be calculated according to our price list.

Base Price

Ex Works; Freight Basis Ilsenburg

1.01 Grade

According to EN 10025	Steel-No.	Euro/t
S185	1.0035	800

Upcharges by Quality

2. Standard, Quality and Special Steels

2.01 Unalloyed Structural Steel According to EN 10025-2

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
S185	1.0035	0	75
S235JR*	1.0038	16	99
S235JR+N	1.0038+N	24	99
S235J0*	1.0114	21	104
S235J0+N	1.0114+N	29	104
S235J2*	1.0117	26	109
S235J2+N	1.0117+N	34	109
S275JR*	1.0044	21	104
S275JR*+N	1.0044+N	29	104
S275J0*	1.0143	26	109
S275J0+N	1.0143+N	34	109
S275J2*	1.0145	31	114
S275J2+N	1.0145+N	39	114
S355JR*	1.0045	41	124
S355JR+N	1.0045+N	49	124
S355J0*	1.0553	46	129
S355J0+N	1.0553+N	54	129
S355J2*	1.0577	59	134
S355J2+N	1.0577+N	59	134
S355K2	1.0596	67	142
S355K2+N	1.0596+N	67	142

* Delivery condition at the manufacturer's discretion, as rolled condition being also possible (+AR).

For flanging of steel types S 235, S 275 and S 355 please see 7.06.

In connection with AD2000 – data sheet W1 the relevant steel grade has to be ordered with the delivery condition +N for thicknesses > 25 mm.

By deliveries according to requirements such as AD2000 or DBS the additional charges for the possibly special demands on chemical composition, delivery condition, inspections (weld bend test, US testing, notch impact test, inspection) are additionally calculated according to the price list.

According to EN 10025-2, tests and certifications are included only when they are ordered.

Steel quality S185 is delivered with only a works certification according to 2.1., which must be agreed when placing the order.

For other steels, the customer's choice of certification, according to EN 10204, will be issued:

Either a works certification of compliance	2.1
or a works test certification (only with chemical analysis)	2.2
or a works test certification (analysis of physical properties)	2.2*
or an inspection certificate	3.1*
or an inspection certificate	3.2*

* Charged according to point 9.

With the order of the inspections certificate 3.1. or above, each melt of all steels (except S185) will be subjected to a tensile test. Each melt of steels in the quality class J0, J2, and K2 also will be subjected to a notched-bar impact test.

For steels of the JR quality group the notched-bar impact test is only carried out if it is explicitly ordered or if it is stipulated by technical regulations such as AD2000. The cost calculation of both tests in accordance to item 8.

2.02 Fine-Grain Structural Steels for Steel Construction According to EN 10025-3

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
S275N	1.0490	53	128
S355N	1.0545	83	158
S420N	1.8902	143[1]	218[1]
S460N	1.8901	188[1]	263[1]
S275NL	1.0491	73	148
S355NL	1.0546	103	178
S420NL	1.8912	163[1]	238[1]
S460NL	1.8903	208[1]	283[1]

Certification: 3.1

2.03 Fine-Grain Structural Steels for Steel Construction According to EN 10025-4 (Thermomechanically Rolled)

	Steel-No.	Thickness mm 6 ≤ 60	Thickness mm > 60 ≤ 80	Thickness mm > 80 ≤ 120	Thickness mm > 120
S355M	1.8823	83	133	158	on request
S420M	1.8825	143[1]	193[1]	218[1]	on request[1]
S460M	1.8827	188[1]	238[1]	263[1]	on request[1]
S355ML	1.8834	103	153	178	on request
S420ML	1.8836	163[1]	213[1]	238[1]	on request[1]
S460ML	1.8838	208[1]	258[1]	283[1]	on request[1]

Certification: 3.1

2.04 Fine-Grain Structural Steels According to ILG-Data Sheet – Brand Name MAXIL® 500 TM (Thermomechanically Rolled)

	Steel-No.	Thickness mm	Euro/t
MAXIL 500TM	1.8829	6 ≤ 50	253[1]

Certification: 3.1

2.05 Weather-Resistant Steels According to EN 10025-5

	Steel-No.	Thickness mm	Euro/t	Thickness mm	Euro/t
S355J2W	1.8965	6 ≤ 100	131[1]	> 100	206[1]
S355J2W+N	1.8965+N	6 ≤ 100	131[1]	> 100	206[1]
S355J2WP	1.8946	6 ≤ 12	131[1]		
S355J2WP+N	1.8946+N	6 ≤ 12	131[1]		
S355K2W	1.8967	6 ≤ 100	139[1]	> 100	214[1]
S355K2W+N	1.8967+N	6 ≤ 100	139[1]	> 100	214[1]

Certification: 3.1

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Ilsenburger Grobblech GmbH • Veckenstedter Weg 10 • 38871 Ilsenburg, Germany
Tel. +49 39452 85-0 • Fax +49 39452 85-8161 • E-Mail ILG.Sales@salzgitter-ag.de
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2.06 High-Strength Fine-Grain Structural Steels – Brand Name MAXIL® According to ILG-Data Sheet – Corresponding to EN 10025-6 (Water Quenched and Tempered) or Above

	Steel-No.	Thickness mm 6 ≤ 30	Thickness mm > 30 ≤ 65	Thickness mm > 65 ≤ 120	Thickness mm > 120 ≤ 150
MAXIL 500QL	1.8909	298[1]	333[1]	483[1]	on request[1]
MAXIL 550QL	1.8926	311[1]	346[1]	496[1]	on request[1]
MAXIL 620QL	1.8927	328[1]	363[1]	513[1]	on request[1]
MAXIL 690QL	1.8928	346[1]	381[1]	531[1]	on request[1]
MAXIL 890QL	1.8983	446[1]	481[1]	631[1]	on request[1]
MAXIL 960QL	1.8933	481[1]	516[1]	666[1, *]	on request[1]
MAXIL 500QL1	1.8984	323[1]	358[1]	508[1]	on request[1]
MAXIL 550QL1	1.8986	336[1]	371[1]	521[1]	on request[1]
MAXIL 620QL1	1.8987	353[1]	388[1]	538[1]	on request[1]
MAXIL 690QL1	1.8988	371[1]	406[1]	556[1]	on request[1]
MAXIL 890QL1	1.8925	471[1]	506[1]	656[1]	on request[1]

Certification: 3.1

* Thickness ≤ 80 mm

2.07 High-strength Fine-grain Structural Steels – Brand Name MAXIL® 1100 According to ILG-Data Sheet (Water Quenched and Tempered)

	Steel-No.	6 ≤ 30	> 30 ≤ 65
MAXIL 1100QL	1.8942	551[1]	586[1]

Certification: 3.1

2.08 Alloyed and Unalloyed High-Temperature Steels According to EN 10028-2

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
P265GH	1.0425	84	159
P295GH	1.0481	100	175
P355GH	1.0473	114	189
16Mo3	1.5415	205[1, 2]	280[1, 2]
13CrMo4-5	1.7335	296[1, 2]	371[1, 2]
13CrMoSi5-5	1.7336	344[1, 2]	419[1, 2]
10CrMo9-10	1.7380	570[1, 2]	645[1, 2]

Certification: 3.1

2.09 Fine-Grain Structural Steels for Pressure Vessels According to EN 10028-3

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
P355N	1.0562	100	175
P275NH	1.0487	85	160
P355NH	1.0565	110	185
P460NH	1.8935	220[1]	295[1]
P275NL1	1.0488	91	166
P355NL1	1.0566	116	191
P460NL1	1.8915	226[1]	301[1]
P275NL2	1.1104	101	176
P355NL2	1.1106	126	201
P460NL2	1.8918	236[1]	311[1]

Certification: 3.1
Range NH: If a hot tensile test is necessary, charging according to point 8.

2.10 Low-Temperature Steels According to EN 10028-4

	Steel-No.	Thickness mm	Euro/t
11MnNi5-3	1.6212	6 ≤ 80	129[1, 2]
13MnNi6-3	1.6217	6 ≤ 80	151[1, 2]
12Ni14	1.5637	6 ≤ 80	533[1, 2]
X12Ni5	1.5680	6 ≤ 50	736[1, 2]
X8Ni9+NT640	1.5662 + NT 640	6 ≤ 50	on request
X8Ni9+QT640	1.5662 + QT 640	6 ≤ 50	on request
X8Ni9+QT680	1.5662 + QT 680	6 ≤ 50	on request
X7Ni9	1.5663	6 ≤ 50	on request

Certification: 3.1

2.11 Low Temperature Steels According to Other Specifications

	Steel-No.	Thickness mm 6 ≤ 30
NV 2-4	1.1108	125
NV 4-4	1.1109	151
NV 2-4L	1.1108	137
NV 4-4L	1.1109	164

Testing included: One tensile test and one notched-bar impact test on each rolled plate.
Certification: 3.2

2.12 Alloyed and Unalloyed Steels for Quenching and Tempering According to EN 10083-2/3

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
C 22 E	1.1151	58[2]	133[2]
C 35 E	1.1181	65[2]	140[2]
C 40 E	1.1186	70[2]	145[2]
C 45 E	1.1191	75[2]	150[2]
C 50 E	1.1206	80[2]	155[2]
C 55 E	1.1203	83[2]	158[2]
C 60 E	1.1221	90[2]	165[2]
		6 ≤ 100	> 100
25CrMo4	1.7218	345[1, 2]	on request[1, 2]
42CrMo4	1.7225	345[1, 2]	420[1, 2]

Certification: 2.2

2.13 Alloyed Case Hardening Steels According to EN 10084

	Steel-No.	Thickness mm 6 ≤ 120	Thickness mm > 120
16MnCr 5	1.7131	239[1, 2]	on request[1, 2]
20MnCr 5	1.7147	244[1, 2]	on request[1, 2]

Certification: 2.2

2.14 Steels for Welded Pipes

EN 10208-2	API 5 L PSL 1	Steel-No.	Euro/t
L245NB/MB	API 5 L Grad B	1.0418/57	20
L360NB/MB	API 5 LX 52	1.0578/82	50
L415NB/MB	API 5 LX 60	1.8972/73	70[1]
L450MB	API 5 LX 65	1.8975	80[1]
L485MB	API 5 LX 70	1.8977	90[1]
L555MB	API 5 LX 80	1.8978	120[1]

Certification: 3.1

2.15 Construction Steels for Offshore

According to EN 10225				Thickness mm
	Steel-No.	Thickness mm	Euro/t	> 60
S355G2+N	1.8801	6 ≤ 20	83	–
S355G3+N	1.8802	6 ≤ 40	103	–
S355G5+M	1.8804	6 ≤ 40	113	–
S355G6+M	1.8805	6 ≤ 40	118	–
S355G7+M	1.8808	6 ≤ 60	128	on request
S355G7+N	1.8808	6 ≤ 60	128	on request
S355G8+M	1.8810	6 ≤ 60	133	on request
S355G8+N	1.8810	6 ≤ 60	133	on request
S355G9+M	1.8811	6 ≤ 60	138	on request
S355G10+M	1.8813	6 ≤ 60	143	on request
S420G1+M	1.8830	6 ≤ 60	153[1]	on request[1]
S420G2+M	1.8857	6 ≤ 60	158[1]	on request[1]
S460G1+M	1.8878	6 ≤ 60	188[1]	on request[1]
S460G2+M	1.8887	6 ≤ 60	193[1]	on request[1]
S420G1+QT	1.8830	6 ≤ 60	on request	on request
S420G2+QT	1.8857	6 ≤ 60	on request	on request
S460G1+QT	1.8878	6 ≤ 60	on request	on request
S460G2+QT	1.8887	6 ≤ 60	on request	on request

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Ilsenburger Grobblech GmbH • Veckenstedter Weg 10 • 38871 Ilsenburg, Germany
Tel. +49 39452 85-0 • Fax +49 39452 85-8161 • E-Mail ILG.Sales@salzgitter-ag.de
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According to API 2H	Thickness mm 6 ≤ 60	Thickness mm > 60
API 2-50 N	138	on request
According to API 2W		
API 2W-50	138	on request
API 2W-60	158[1]	on request[1]
According to API 2 MT1		
API 2 MT1	138	on request

Certification: 3.1
All API-Grades are available on request with an API monogram.

2.16 Wear-Resistant Special Steels with HB-Values – Brand Name BRINAR® According to ILG Material Data Sheet

	Steel-No.	Thickness mm	Euro/t	> 80 mm
BRINAR® 180 PS 180 H normalized	1.8701	6 ≤ 60	140[1]	on request[1]
BRINAR® 265 PS 265 H normalized	1.8704	6 ≤ 60	225[1]	on request[1]
BRINAR® 325 CR*	1.8704	6 ≤ 80	238[1]	on request[1]
BRINAR® 400 CR**	1.8709	6 ≤ 80	381[1]	on request[1]
BRINAR® 400	1.8714	6 ≤ 80	381[1]	on request[1]
BRINAR® 450	1.8722	6 ≤ 60	455[1]	on request[1]
BRINAR® 500	1.8734	6 ≤ 60	503[1]	on request[1]

Testing included: One hardness test (HB) per melt.
Certification: 3.1

* Thickness ≤ 40 mm air-hardened

** Thickness < 25 mm air-hardened

2.17 Shipbuilding Steels to the Rules of the Classification Societies

The quality upcharges shown below apply to plate thicknesses up to and including 80 mm, upcharges for thicker plates are available on request. Thickness ranges according to steel grade and inspection company under the terms of the accreditation catalogue on request. The upcharges do not contain the testing fees calculated by the classification societies (personal inspection fees). When a consignment requires personal inspection fees, these will be payed by us and charged additionally to the customer.

These upcharges are published separately on the attached supplementary sheets and amended according to demand.

Steel Grade	Steel-No.	Thickness mm 6 ≤ 80	Thickness mm > 80
A	1.0441[a]	24	on request
B	1.0442[b]	38	on request
D	1.0474[b]	43	on request
E	1.0476[c]	74	on request

Thermomechanically Rolled High-Strength Grades*

	Steel-No.	Thickness mm 6 ≤ 60	Thickness mm > 60 ≤ 80	Thickness mm > 80
AH 32 TM, A 32 TM	1.0513[b]	68	98	on request
DH 32 TM, D 32 TM	1.0514[b]	73	103	on request
EH 32 TM, E 32 TM	1.0515[c]	104	134	on request
FH 32 TM, F 32 TM	1.8840[c]	139	169	on request
AH 36 TM, A 36 TM	1.0583[b]	84	114	on request
DH 36 TM, D 36 TM	2.0584[b]	89	119	on request
EH 36 TM, E 36 TM	1.0589[c]	121	151	on request
FH 36 TM, F 36 TM	1.8841[c]	156	186	on request
AH 40 TM, A 40 TM	1.0532[b]	119	149	on request
DH 40 TM, D 40 TM	1.0534[b]	124	154	on request
EH 40 TM, E 40 TM	1.0560[c]	155	185	on request

* Normalized steels have the same upcharge.
[a] Without verification of notched-bar impact testing.
[b] With verification of notched-bar impact testing on each melt.
[c] With verification of notched-bar impact testing on each rolled plate.

Limitation of the C-equivalent to ≤ 0,37 on request.

Testing according to inspection regulations.

2.18 Structural Steels According to ASTM/ASME-Standards

	Thickness mm 6 ≤ 120	Thickness mm > 120
A/SA 36	19	94
A/SA 283 Grade C	17	92
A/SA 283 Grade D	23	98

Certification: 3.1

2.19 Pressure Vessel Steels According to ASTM/ASME-Standards

	Thickness mm 6 ≤ 80	Thickness mm > 80
A/SA 285 Grade C	36	111
A/SA 387-11 Class 2	320[1,2]	395[1,2]
A/SA 387-12 Class 2	292[1,2]	367[1,2]
A/SA 387-22 Class 2	575[1,2]	650[1,2]
A/SA 516 Grade 55	54	29
A/SA 516 Grade 60	60	135
A/SA 516 Grade 65	71	146
A/SA 516 Grade 70	82	157
A/SA 537 Class 1	92	167
A/SA 537 Class 2	223	234

Grade A/SA 285: Option S 5 made to A/SA 20 Tab. A 2.15 (longitudinal samples) + €/t 6
Grade A/SA 516: Option S 5 made to A/SA 20 Tab. A 2.15 (longitudinal samples) + €/t 35
Grade A/SA 537: Option S 5 made to A/SA 20 Tab. A 2.15 (longitudinal samples) + €/t 65
Certification: 3.1

2.20 Multiple Grades

Structural steels according to EN 10025-2 and the requirements of the inspection company

	Thickness mm	Euro/t
S235JR/A	6 ≤ 50	33
	> 50	on request

Certification: 3.1/3.2

S355J2+N/D(H)36	6 ≤ 50	98
	> 50	on request

Certification: 3.1/3.2

Steels for pressure vessels according to EN 10028-2/3 and ASTM (ASME)-standards

P275NL1/P275NH/P265GH/AA(SA)516-60	6 ≤ 80	124

Testing included: Per rolling plate a tensile test and a notched-bar impact test in transverse direction at -20 °C and -40 °C.

Certification: 3.1

Upcharge for S5 (notched-bar impact test in longitudinal direction)	4

P355NL1/P355NH/A(SA) 516-70	6 ≤ 80	141

Testing included: Per rolling plate a tensile test and a notched-bar impact test in transverse direction at -20 °C and -40 °C.

Certification: 3.1

Upcharge for S5 (notched-bar impact test in longitudinal direction)	4

13CrMo4-5/A(SA) 387-12-2	6 ≤ 80	309[1,2]

Testing included: Per rolling plate a tensile test and a notched-bar impact test.
Certification: 3.1

10CroMo9-10/A(SA) 387-22-2	6 ≤ 80	592[1,2]

Testing included: Per rolling plate a tensile test and a notched-bar impact test.
Certification: 3.1

Explanation Report

Lot makeup necessary to meet standards and delivery conditions within a single melt (for example per melt and 40 t), or the necessary number of samples sets per rolling plate (at one or both ends), are included in the given quality upcharges.

During a notched-bar impact test, 3 individual samples in a single sample form, temperature and direction will be tested.

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Ilsenburger Grobblech GmbH • Veckenstedter Weg 10 • 38871 Ilsenburg, Germany
Tel. +49 39452 85-0 • Fax +49 39452 85-8161 • E-Mail ILG.Sales@salzgitter-ag.de
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2.21 Surcharges for Higher Mechanical Values

The following surcharges will be applied to the quality upcharges for structural steels, normalized/normalizing-rolled or thermomechanically rolled fine-grained structural steels, as well as high-temperature steels, when higher mechanical values than those listed in the current standards are agreed upon:

	Euro/t
Tensile strength at ambient temperature	
Per 10 MPa higher minimum tensile strength	2,50
Tensile yield strength at ambient temperature	
Steels with a minimum tensile yield point at ambient temperature up to 275 MPa: Per 10 MPa greater minimum tensile yield point	1,25
Steels with a minimum tensile yield point at ambient temperature above 275 to 355 MPa: Per 10 MPa greater minimum tensile yield point	2,50
Steels with a minimum tensile yield point at ambient temperature above 355 to 420 MPa: Per 10 MPa greater minimum tensile yield point	10,–
Steels with a minimum tensile yield point at ambient temperature above 420 to MPa: Per 10 MPa greater minimum tensile yield point	12,50
Tensile yield point at elevated temperature	
Steels with a minimum tensile yield point at elevated temperature up to 300 MPa: Per 10 MPa greater minimum tensile yield point	15,–
Steels with a minimum tensile yield point at elevated temperature above 300 MPa: Per 10 MPa greater minimum tensile yield point	30,–
Impact strength and testing temperatures for Charpy-V samples	
Per 4J greater minimum impact strength	2,50
Per 5 °C lower testing temperature at temperatures	
up to -20 °C	1,25
at temperatures below -20 to -30 Grad °C	3,75
at temperatures below -30 to -50 °C	5,–
at temperatures below -50 to -60 °C	12,50
at temperatures below -60 Grad °C	on request

(1 MPa = 1N/mm²)

3. Upcharges by Dimension in Euro/t

3.1 Thickness/Width

Width mm	≤ 1.100	1.101 ≤ 1.550	1.551 ≤ 2.050	2.051 ≤ 2.500	2.501 ≤ 3.000	3.001 ≤ 3.500
Thickness mm						
6 < 7	–	–	250	180	205	230
7 < 8	–	on request	130	105	125	99
8 < 10	–	on request	100	36	43	69
10 < 12	–	100	90	25	25	46
12 ≤ 15	–	90	75	20	20	36
> 15 ≤ 40	–	36	23	15	15	30
> 40 ≤ 80	on request	56	43	36	36	53
> 80 ≤ 120	on request	79	66	56	56	76
> 120 ≤ 150	on request	107	91	81	81	195
> 150 ≤ 175	on request	135	119	109	109	222

3.2 Thickness/Length

Length mm	3.000 < 4.000	≥ 4.000 ≤ 12.000	> 12.000 ≤ 16.000	> 16.000 ≤ 20.000	> 20.000 ≤ 24.000
Thickness mm					
6 > 8	–	8	18	27	33
8 ≤ 40	–	3	3	20	28
> 40	30	10	20	30	36

3.3 Flatness/Leveling

Special flatness according to EN 10029 Table 5	≤ 3.200	> 3.200 ≤ 3.500
Thickness mm		
6 ≤ 8	30	–
> 8 ≤ 20	20	46
> 20 ≤ 80	25	46
> 80 ≤ 175	46	51
Upcharge for plates with minimum tensile yield point > 460 N/mm² (relative to the lowest thickness range) and/or quenched or tempered steels		
Additional		15

3.4 Plate Weight

Quantity in tons	≤ 2.500	> 2.500 ≤ 3.500
15 ≤ 21	–	40
> 21 ≤ 24	50	–
> 24 ≤ 27,5	80	–

4. Upcharges for Minimum Quantity Orders/ Volume Discounts per Order

The following amounts refer to the theoretically calculated quantity specified in a single order that can be delivered at a single time to a single destination, and where the order's dimensions, grade, inspection and all other specifications are identical. The minimum position weight is 2,5 t.

Quantity in tons	Euro/t
min. 2,5 < 3	150
3 < 5	60
5 < 10	20
10 < 50	0

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Ilsenburger Grobblech GmbH • Veckenstedter Weg 10 • 38871 Ilsenburg, Germany
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5. Upcharge for Ultrasonic Testing According to EN 10160

Type of Test	Edge Testing				Surface Testing	Surface Testing + Edge Testing				Surface Testing	Surface Testing + Edge Testing			Surface Testing	Surface Testing + Edge Testing
EN 10160 Class	E1	E2	E3	E4	S1	S1 + E1	S1 + E2	S1 + E3	S1 + E4	S2	S2 + E2	S2 + E3	S2+ E4	S3	S3 + E4
Thickness in mm															
6 ≤ 40 mm	10	15	30	50	15	18	25	40	60	35	40	45	70	75	90
> 40 ≤ 80 mm	15	25	40	70	20	25	40	50	70	45	55	65	80	85	110
> 80 ≤ 150 mm	25	40	70	120	35	40	70	90	125	60	85	110	140	150	170
> 150 ≤ 175 mm	30	60	100	140	50	70	90	120	170	110	130	150	190	210	240

Additional charge for 100 % FLP: 20 EUR/t

On behalf of additional charge EN 10160 corresponds to the following standards and classes

S1 + E1	SEL 072 Kl. 3, NFA 04-305 Kl. A, BS 5996 B4E1, EU 160 Kl. A, A 435, A 578 Level A und B
S2 + E3	SEL 072 Kl. 1, NFA 04-305 Kl. B, BS 5996 B6E3, EU 160 Kl. B, A 578 Level C
S3 + E4	SEL 072 Kl. 0, NFA 04-305 Kl. C, BS 5996 B7E4, EU 160 Kl. C

	Euro/t
Additional upcharge for inspection in the presence of or by parties other than ILG personnel	**75,–**
Other, more rigorous ultrasonic testing	**on request**

6. Upcharges for Reduction of through Area Perpendicular to Plate Surface in EUR/t

According to EN 10164*

Necessary ultrasonic testing according to EN 10160 S1 will be calculated as per point 5.

Additional charges for steel grades with minimum yield strength to 500MPa.

	Steel Designation		
Thickness in mm	Z15	Z25	Z35
15 ≤ 80	30	60	85
> 80 ≤ 120	45	75	105
> 120	on request	on request	on request

The price surcharges include testing in the plate thickness direction according to Table 2 of the standard EN 10164 (1 set consists of 3 individual samples).

Further tests are charged additionally as follows:

	Euro/t
Test on each rolled plate	15

* Delivery only after previous agreement and only for steels, for which a reduction of through area perpendicular to plate surface is technically feasible. Thicknesses < 15 mm only by special agreement.

Additional charges for steel grades with minimum yield strength above 500 MPa	on request

7. Upcharges for Special Regulations in EUR/t

7.01 Heat Treatment

	Euro/t
Additional normalizing	30
Delivery	
Customarily normalized/normalized rolled steels in untreated condition*	-8
Customarily air-hardened steels in normalized condition*	-20
In untreated condition*	-28

* Without additional charge for heat treatment of samples necessary to verify mechanical properties.

Additional upcharge for identification of steel grades with other minimum yield-strengths	on request

7.02 Carbon Equivalent

(IIW-formula) for steels according to EN 10025 or comparable with tensile yield strength ≥ 355 N/mm², values for the heat analysis

≤ 0,43	10
≤ 0,41	30
Additionally upcharge for identification of steel grades with other minimum yield-strengths	on request

7.03 Limitation of Sulphur Content (Heat Analysis)

≤ 0,010 %	10
≤ 0,008 %	20
≤ 0,005 %	30
≤ 0,003 %	41
≤ 0,002 %	76

Details regarding level of reduction of through area perpendicular to plate surface are excluded here.

7.04 Agreement Relating to the Limitation of Phosphor Content (Heat Analysis)

0,008 ≤ 0,015 %	on request

7.05 Cu-Content

0,25 ≤ 0,40	20

7.06 Flanging

	Euro/t
If not mentioned in the particular standard	30
Others (e. g. EN 10025)	18

7.07 Enamelling/Galvanizing

Only for steels suitable for these characteristics – when agreed, at least	15

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Ilsenburger Grobblech GmbH • Veckenstedter Weg 10 • 38871 Ilsenburg, Germany
Tel. +49 39452 85-0 • Fax +49 39452 85-8161 • E-Mail ILG.Sales@salzgitter-ag.de
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8. Upcharges for Special Testing

When not included in the quality upcharge.

8.01 Tensile Test

	Euro/t
Per Lot	1
Per rolled plate	4

8.02 Hot Tensile test

Per lot	6
Per rolled plate	on request

8.03 Bending Test

Per lot	1
Per rolled plate	3

8.04 Weld Bead Bend Test according to SEP 1390

≥ 30 mm ≤ 50 mm	Plate Thickness	15
> 50 mm ≤ 100 mm	Plate Thickness	30
> 100 mm ≤ 150 mm	Plate Thickness	63

8.05 Weld Bend Test

Per lot	4

8.06 Weld Tensile Test

Per lot	5

8.07 Determination of Hardness

Per lot	1
Per rolled plate	4

8.08 Notched-Bar Impact Test

Sample set consists of 3 individual samples in a single sample form at one temperature and test direction.

a) Not aged	per lot	1
	per rolled plate	4
b) Aged	per lot	2
	per rolled plate	8
c) Verification of resistance to aging according to SEW 012		
	per lot	5
	per rolled plate	11

8.09 Assessments within the Framework of the Notched-Bar Impact Test

	Euro/t
a) Of the ductile fracture component	5
b) Of lateral expansion	5
c) Both values (a + b)	8

8.10 Pellini Drop-Weight-Test

a) With verification of temperature	per melt	25
b) With verification of NDT	per melt	76

8.11 Drop-Weight-Tear Test (DWTT)

Per melt	8

8.12 Examination of Structure

a) Macro	Per lot	2
	Per rolled plate	4
b) Micro	Per lot	2
	Per rolled plate	4

8.13 Determination of Grain Size

a) Primary	Per lot	8
	Per rolled plate	12
b) Delivered	Per lot	3
	Per rolled plate	6

8.14 Determination of Degree of Purity

Per melt	6

8.15 Baumann Print

Per melt	2

8.16 Testing of Decarbonisation

Per melt	2

8.17 Chemical Composition

a) Product analysis for elements specified in standards and delivery conditions, but limited to C, Si, Mn, P, S, Al, N, Cr, Mo, Ni, Cu, Nb, V, Ti, Sn, As, B		
	Per melt	2
	Per rolled plate	8
b) Each additional element		on request
c) Determination of carbon equivalent		1

8.18 Stress-Relief Annealing of Sample Sections

Per rolled plate	14
Per melt	3

8.19 Vacuum Treatment

Requested vacuum treatment	25

9. Upcharges for Test Certification and Inspection

9.01 The Inspection Takes Place Only in the Supplier's Works

	Euro/t
Declaration of compliance with the order, according to EN 10204-2.1	0
Test report according to EN 10204-2.2	
Heat analysis statement	0
Heat analysis and mechanical properties statement	2
Inspection certificate according to EN 10204-3.1 Inspection certificate according to EN 10204-3.2 Per lot or melt	4
Per rolled plate (for steel types where testing each rolled plate is not requisite and where this test is not already included in the quality upcharge)	15

9.02 In Case of Multiple Inspections

In case of multiple inspections the rates shown above (9.01) are charged for each inspection.

When the cost of inspection is already in the upcharge for a grade, the inspection charge is charges only from the second inspection company and onward.

9.03 Fees of the Inspection Company

By shipment of plates being subject to inspection regulations, the inspection company fees are in all cases charged to the customer. The customer must ensure that we are authorized to commission the inspected company selected by the customer on behalf and at the expense of the customer's customer. If not otherwise agreed, this authorization is considered granted when an inspection company is selected in the customers order.

For the personal inspection charges for shipbuilding material, please see our supplementary sheet.

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9.04 Ü Marking

By agreement the order can be delivered with "Ü" marking.

ÜH-/ÜHP procedure (Building rules list A)	0
ÜZ procedure (with the framework of construction rules)	8

9.05 CE marking

CE marking	2

9.06 Inspections

a) Per stack (first plate of the stack can be inspected from above, all the plates can be inspected at the edges)	10
b) Per control sample (max. 10 % of the stack)	18
c) Per plate	38

9.07 Upcharges for Multiple Certifications

		Euro/t
a) Inspection per lot or melt		
	Double certification	9
	Tripile certification	13
	Additionally, for each additional certification	4
b) Inspection per plate		
	Double certification	13
	Tripile certification	21
	Additionally, for each additional certification	8

The charges listed above consist of a base charge of EUR 5 per ton, as well as an additional charge of EUR 4 per ton for each additional steel grade for testing by lot or melt, and EUR 8 per ton for testing by plate.

In general, the quality upcharge of the highest steel grade is applied, plus charges where applicable for further costs.

9.08 Marking/Stamping

Customarily color line and color letter marking with customarily colors and standard stamping area	0
Additional steel stamping, special color marking, according to complexity, at least	5

10. Shot Blasting and Primer Coating

Thickness mm/Width	Euro/t
6 < 7	88
7 < 8	70
8 < 10	60
10 < 12	54
12 ≤ 15	45
> 15 ≤ 40	36
> 40 ≤ 80	25
> 80 ≤ 120	20

Width 1.000 mm, ≤ 3.200 mm and > 3.200 mm on request.

The surcharges contain:
Steel shot blasting of both sides, maximum degree of descaling SA 2 $^1/_2$, according to ISO 8501-1. Both-sided color protection with epoxy-based iron oxide primer with layer thicknesses min. 15-25 µ.
Max. plate weight/meter: 2 t

Upcharges and Discounts

Two-component epoxy-based iron oxide primer	0 %
Two-component zinc primer with medium Zn concentration	25 %
Two-component zinc primer with high Zn concentration	30 %
Descaled, but not coated plates	-20 %

The upcharges apply only to colors usually available from our works; we do not guarantee the utilization and durability of other colors.

Special treatments related to degree of descaling, coating type, coating thicknesses etc.	on request

11. Packing (Weighing and Calculation Gross for Net)/ Shipment

11.01 Covering the Waggon

	1

The rent for covers/tarpaulins will be calculated separately.

11.02 Forwarding by Truck

	2
When the customer picks up, due to higher logistics and administrative expenses; additional	7

Contacts

Phone/Fax: 039452 85-

	Phone	Fax
Managing Director Sales		
Dr. Jörg Wehmann	- 3338	- 6897
Secretariat	- 7502	- 6897
Core Market Europe		
Fabian Illmer	- 3993	- 8344
Secretariat	- 3505	- 8340
Northern Europe, Spain, America, Southern Africa and Asia		
Harald Meinert	- 3289	- 8344
Consumer Germany, France, Italy, Switzerland and Stainless Steel		
Dirk Backhaus	- 2336	- 8347
Eastern Europe, Benelux and Shipyards		
Bernd Eisenkrätzer	- 4190	- 8345
Trade and SSC Germany		
Dietmar Wiesmann	- 3335	- 8345
Gero Bornholdt	- 4279	- 8345
Ellen Dehne	- 4171	- 8345
Anke Lutz	- 4159	- 8347
Peter Menzel	- 8660	- 8345
Reinhard Rudolph	- 2331	- 8347
Sabrina Schattenberg	- 4500	- 8347
Josefin Schütt	- 9157	- 8345
Key Accounts and Projects		
Oliver Laubner	- 4299	- 8343
Secretariat	- 3982	- 8343
Pipe Steels and Offshore		
Hubert Büttner	- 2507	- 8342
Steel Construction and Onshore Wind Industry		
Rudolf Albrecht	- 4255	- 8346
Projects, CIS, Turkey, Golf Region and Northern Africa		
Jens Spanger	- 3453	- 8343
Heike Düfert	- 2893	- 8342
Janine Eilers	- 2632	- 8343
Martina Hartung	- 6687	- 8346
Anette Klinke	- 4266	- 8346
Katrin Schulz	- 2351	- 8342
Sven Taschka	- 1775	- 8343

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