Delivery Program
Heavy Plate

dillinger.de

DILLINGER

We are Pure Steel+

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Pure excellence in heavy plate

For some 340 years, we at Dillinger have been living pure ability and innovation in steel. Our commitment is to progress, climate protection and the generations of the future. Europe's leading supplier of heavy plate moves mighty things – together for each other.

We are Dillinger. We are Pure Steel+

Steel is unique: Its strength, versatility and processing properties make possible the most diverse range of applications and strikingly impressive designs. Its practically unlimited recyclability makes it unbeatable on sustainability criteria. We have devoted ourselves to this material for more than three centuries – and we have never tired of pushing its potentials even further! We produce, as our customers' dependable partner, excellent products for key industries such as structural and mechanical engineering and the energy sector. Our steel plates are even today driving the energy turnaround – in offshore wind energy facilities, pumped-storage and solar power plants.

Pure steel, a clean future

It is our aim to assure a sustainable future not only today, but also tomorrow. We put our faith in CO_2 neutrality by 2045 via the use of technologies such as hydrogen and electrical steel production. We actively promote sustainability topics with our membership of acknowledged initiatives like the Carbon Disclosure Project (CDP) or the UN Global Compact, for example, and regularly submit our Corporate Social Responsibility concept to analysis by independent third parties – with constant success.

Pure quality

At Dillinger, the entire production process – starting with research, proceeding via steelmaking, up to and including the rolling mill – is focused totally on our heavy plate product. This narrow specialisation has resulted in unparalleled know-how – to the benefit of our customers. With the knowledge of producing using the latest technologies and ultra-modern AI applications, we make our steel plates at a constantly high quality level and drive both product and service developments ahead. Dillinger, with more than 2,000 different steel grades and an impressive range of available dimensions, assures an unrivalled product portfolio. Differentiated customer consulting and an increasingly digital range of other services optimally round off the company's performance spectrum. Up-to-date at all times: you can find all the relevant information you need at www.dillinger.de.

Pure commitment

Together and for each other, we gladly accept our responsibility. Responsibility for our employees, our environment, our products and our future. Equitable cooperation and a culture of mutual appreciation shape our 'with one another'. We are the backbone of reliable power supply and safe, secure infrastructures. Inquisitive and receptive to the whole world and its ideas, flexible and solution-oriented, we create future for upcoming generations. We are "Made in Europe" – and we convince worldwide.

"The same common mindset links us to our customers: On the one hand, high quality standards, which we set with all our products and processes and, on the other hand, the nature of our cooperation – equitable, always solution-orientated, at all times fair."

Natalie Federmeyer
Sales Director

Technical ordering criteria – from requirements through to selection

We are shapers. Dillinger supplies heavy plates in a large selection of steel grades – in conformity to international standards, as special works grades or in accordance with customers' specifications.

Our supply potentials: Dimensions and steel grades

You can find an overview of the most important grades starting on page 18. The dimension tables from page 34 onward state the plate thicknesses, plate widths and plate lengths which we can supply. Please note that only the standard supply range is shown here. Other steel grades and other dimensions can often be arranged upon agreement.

Our heavy plates: Dimensional and geometrical tolerances, surface quality

Dillinger's heavy plates are produced in conformity to international standards and technical conditions of supply. In the case of dimensional and geometrical tolerances, we supply in accordance with EN 10029, ASTM A6, ASTM A20, ISO 7452 and other widely used standards. Tolerances diverging from the standards can also be agreed.

The surface quality of Dillinger's heavy plate conforms to the conditions of EN 10163 or those of other international standards. You have more detailed requirements for surface quality? We'll be glad to agree these at the order stage.

Marking of our plates: All the important information at a glance

The standard identification of our heavy plates is by a marking applied by a steel die punch – using the low-stress dot-matrix method and/or by means of paint marking. Other modes of marking are also possible upon agreement

The punched marking contains information on the grade, the heat number, the parent plate and the individual plate number, the direction of rolling, the manufacturer's mark and the mark of the acceptance inspector. Other agreed data can also be included in the punched marking.
The standard paint marking includes the parent plate and individual plate number, the works order and item number and the ordered dimensions showing plate width, plate length and plate thickness. On request, we can also apply additional labelling specified by yourselves up to a maximum of eight lines, each of maximum 22 character places to the upper surface of a plate. Painted bar markings for colour identification of the plate edges are also possible.

You need special plate-surface specifications and do not want punched or paint marking? These requirements must be agreed immediately at the ordering stage.

Guaranteed quality: Comprehensive inspection certificates for our plates

The various inspection certificates in accordance with EN 10204, as a declaration of compliance with the order, a test report, an inspection certificate 3.1 or an inspection certificate 3.2 can be agreed at the plate ordering stage.

Proprietary steels
that set standards

Dillinger's trademarked products are special proprietary steels – and they have been developed and optimised for exceptional applications. Compared to standard steels, they convince with their superior working and in-service properties and their especially high quality level. Our proprietary products and what makes them special:

DILLIDUR
Wear-resistant steel

DILLIMAX
High-strength water quenched and tempered fine-grained structural steel for welded components

DI-RACK
High-strength water quenched and tempered fine-grained structural steel for special offshore applications

DIWA
Higher-strength alloyed fine-grained structural steel for steam boilers and high-temperature pressure vessels

DICREST
Fine-grained structural steel for pressure vessels and storage tanks, with special resistance properties for use in sour-gas applications

DIFENDER
High-strength fine-grained structural steel for security applications

DI-TANK
Thermomechanically rolled fine-grained structural steel for oil and gas storage tanks, a sour-gas (HIC) resistant variant is also available

DIROS
High-strength water quenched and tempered pressure-vessel steel for weight-saving pressure-vessel designs

DILLINAL
Higher-strength fine-grained structural steel for fabrication of extra-lightweight tanks for road and rail transportation of liquefied gas

DI-MC
Thermomechanically rolled fine-grained structural steel with optimum working properties

DIWETEN
Structural steel for steel engineering, assuring enhanced weather resistance

D-TECT
Linepipe steel with inspected surface hardness for sour-gas service

DICUT
Heavy plate with optimised laser-cutting performance

DIMO
Alloyed and non-alloyed tool steel for plastics moulds

DIGEAR
High-strength fine-grained structural steel for gear rims

DIWIND
Offshore steel bearing the CE symbol

You can download our current materials data sheets and specifications from our website to learn more about our proprietary products.

Special solutions
for your projects

We deploy our comprehensive know-how and our outstanding technical capabilities to support you on your projects. With semi-fabrication potentials and special plate solutions.

Longitudinally profiled plates (LP plates)

Are you planning designs that include locally varying loads, such as a loaded bridge girder, for example? Dillinger has an especially smart solution for such cases: longitudinally profiled plates with a varying thickness profile across plate length. Such plates help in saving weight and welding costs, particularly when differing plate thicknesses are used due to the bending-moment pattern.

Dillinger supplies longitudinally profiled plates for all structural steels up to a minimum yield strength of 460 MPa in as-rolled or normalised state and in the most diverse range of profile types.

Semi-fabrication ex works

We can supply you not only with the right heavy plate for your parts and components, we can, if you wish, also perform any initial working and fabrication operations which you do not wish or are not able to do yourselves. We can supply you, in accordance with your individual wishes and requirements, with ready-to-install plates with prepared welding edges and individual cut-to-size plates strictly in conformity to your design drawings.

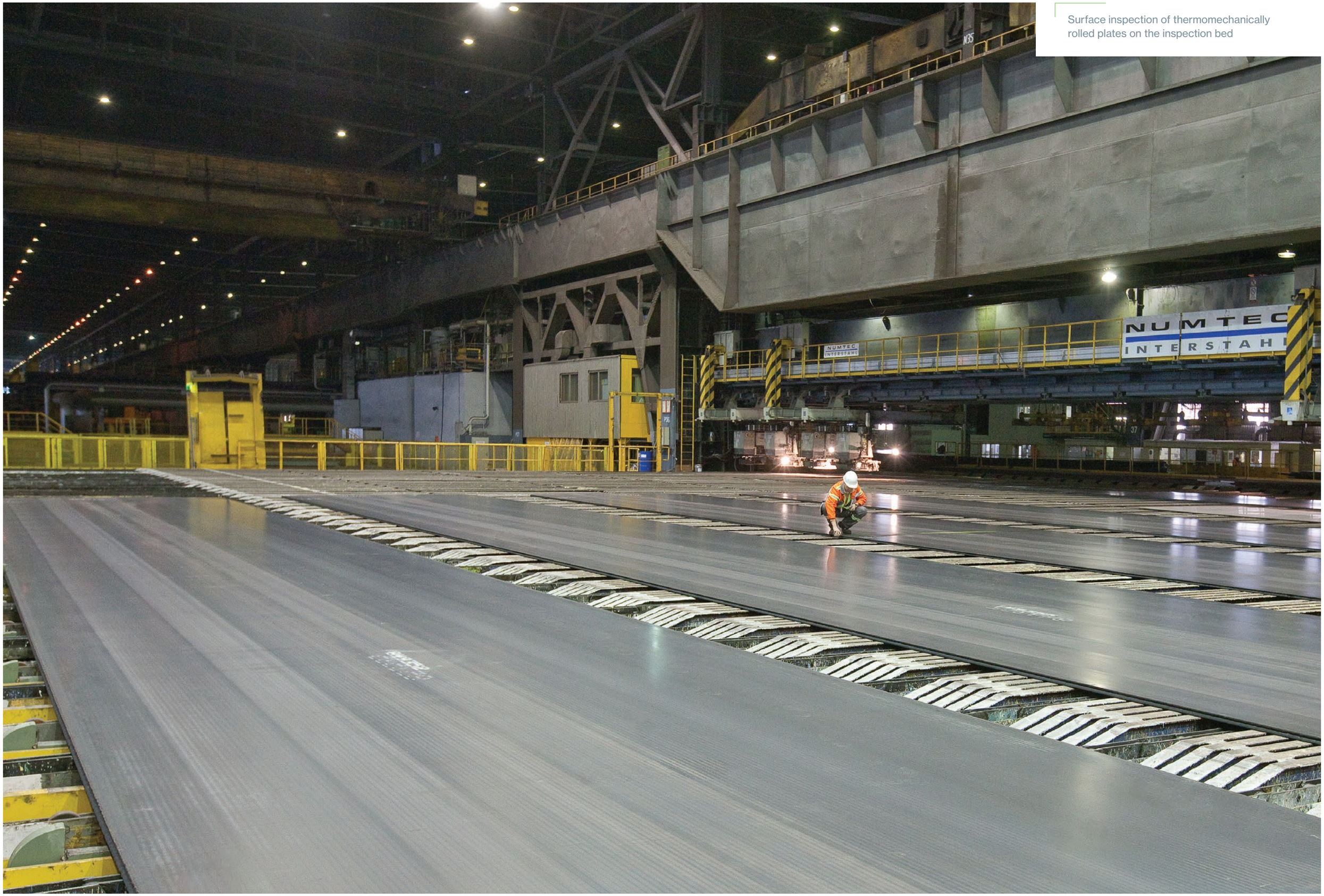
Semi-fabrication potentials within the Group

The Dillinger Group is made up of a whole series of top-drawer companies that create from new every day ultra-high quality and furnish optimum services in heavy plate, reliably and sustainably for all of their customers.

Within our Group, for example, components cut exactly to size for your needs are produced by Saar Stahlbau GmbH. The range of applications for such components differ enormously and extend from a casting ladle for a steelplant up to and including a welded shell section for a pressure vessel. Many different certifications are also available for pressure-vessel components (e.g. in conformity to ASME, AD 2000, EN 1090). On-site flame-cutting needed for component production can be performed by Saar Stahlbau GmbH.

Learn more about the benefits of LP plates and discover our tool for producibility testing of longitudinally profiled plates at Dillinger E-Service.

You can find extensive information on our semi-fabrication ex-works potentials here.



Surface inspection of thermomechanically rolled plates on the inspection bed

Extra requirements?
A wide range of potentials!

Dillinger steels in many cases differ from the usual requirements of the relevant standards by their especially high quality level. We can also impart special additional properties to meet special demands:

Blasting and primering

Upon agreement, surface treatment of your plates can be performed. Here, the plates are descaled using steel shot on our automatic shot-blasting systems. Oxide purity 2½ as per ISO 8501, Part 1 is adjusted as standard practice.

In addition, we can also coat your plates with a shop primer to impart temporary protection against corrosion. The main primer types applied take the form of ethyl silicate/zinc and epoxy/iron oxide.

Compatibility with the coating to be applied to the end product must be taken into account in selection of primer type.

Dimensional and weight parameters for surface treatment on automatic blasting and coating machines

Type of surface treatment	Dimensional and weight parameters	
Automatic descaling blasting (using steel shot)	max. thickness	250 mm
	max. width	4,300 mm
	max. length	18,000 mm
	max. per meter weight	6 t/m
	max. plate weight	40 t
Automatic descaling blasting (using steel shot) plus shop-primering	max. thickness	200 mm
	max. width	4,500 mm
	max. length	32,000 mm
	max. per meter weight	4 t/m
	max. plate weight	38 t

Larger dimensions and higher item weights are possible on agreement.

Our “Shot blasted and primer coated heavy plates” brochure can be downloaded from our website.

Low carbon equivalents

Does your particular application necessitate improvement of working operations on your plate? Lowered carbon equivalents can be agreed with Dillinger. In many cases, the percentage of specific elements contained in the steel can be individually adjusted.

Increased resistance to hydrogen-induced cracking (HIC)

A test in accordance with NACE TM0284 (the so-called HIC test) is necessary to check hydrogen-induced cracking. Dillinger supplies HIC-resistant steels both for pressure equipment (DICREST and DI-TANK) and for large-diameter pipes.

Defined resistance to sulphide-stress cracking (SSC)

On request, Dillinger can also furnish the SSC test in addition to the HIC test. The conditions for this must be agreed when the order is placed.

Verification of insensitivity to embrittlement in CrMo-alloyed pressure-vessel steels

Verification of insensitivity to embrittlement using the step-cooling test is possible. Extremely low values for the characteristics of long-term embrittlement – the J-factor (Watanabe) and the X-factor (Bruscato) can be agreed with Dillinger.

Special flatness and geometrical tolerances

Greatly restricted flatness tolerances that go beyond the figures specified in the EN 10029 standard for thick, heavy and wide plates are frequently required in the fields of mechanical and plant engineering. We have developed the DIPLAN specification especially for such cases.

Applications such as crane booms require, in addition to special flatness specifications and surface quality, greatly narrowed thickness tolerances. Our DILLIMAX TL was developed for high-strength fine-grained structural steels.

“Quality is not merely a promise, it is the foundation of all our production processes. Starting with research, via steelmaking, up to and including the rolling mill – our focus is always on tailor-made solutions in steel at a constant high quality level.”

Dr. Andreas Schneider
General Manager
Production & Quality

Ultrasonic testing

Dillinger uses ultrasound for inspection of the internal quality of plates - in other words, the freedom of plates from impermissible laminations and inclusions.

Ultrasonic testing (US) can be performed manually using US inspection instruments or on an automated ultrasonic heavy plate inspection machine.

If correspondingly specified in the customer's order, US testing can also be performed in conformity to national, European and international standards (e.g. EN 10160, ASTM A 435, ASME SA 435, ASTM A 578, ASME SA 578) and, upon agreement, to all other standards and customer specifications.

All classes for surface and boundary zones and all class combinations are possible. The scope of testing defined in the standard is the customary procedure, but other scopes of testing for surface and edge zones are also possible on request. Dillinger has its own qualified and certified inspection personnel (Level 2 in accordance with EN ISO 9712 and, where necessary, SNT-TC-1A).

D-TECT

Thermomechanically rolled plates are used in large quantities around the globe, in the field, for instance, of large-diameter pipes. Rarely occurring local hard zones at the surface could have a negative influence on resistance to sour-gas corrosion. Using the fully automatic D-TECT process developed by Dillinger, it is possible to detect such zones with certainty. Plates can be quickly and effectively inspected on both sides using this process, enabling small local hard zones (up to 20 x 20 mm) to be successfully detected.

Special surface quality

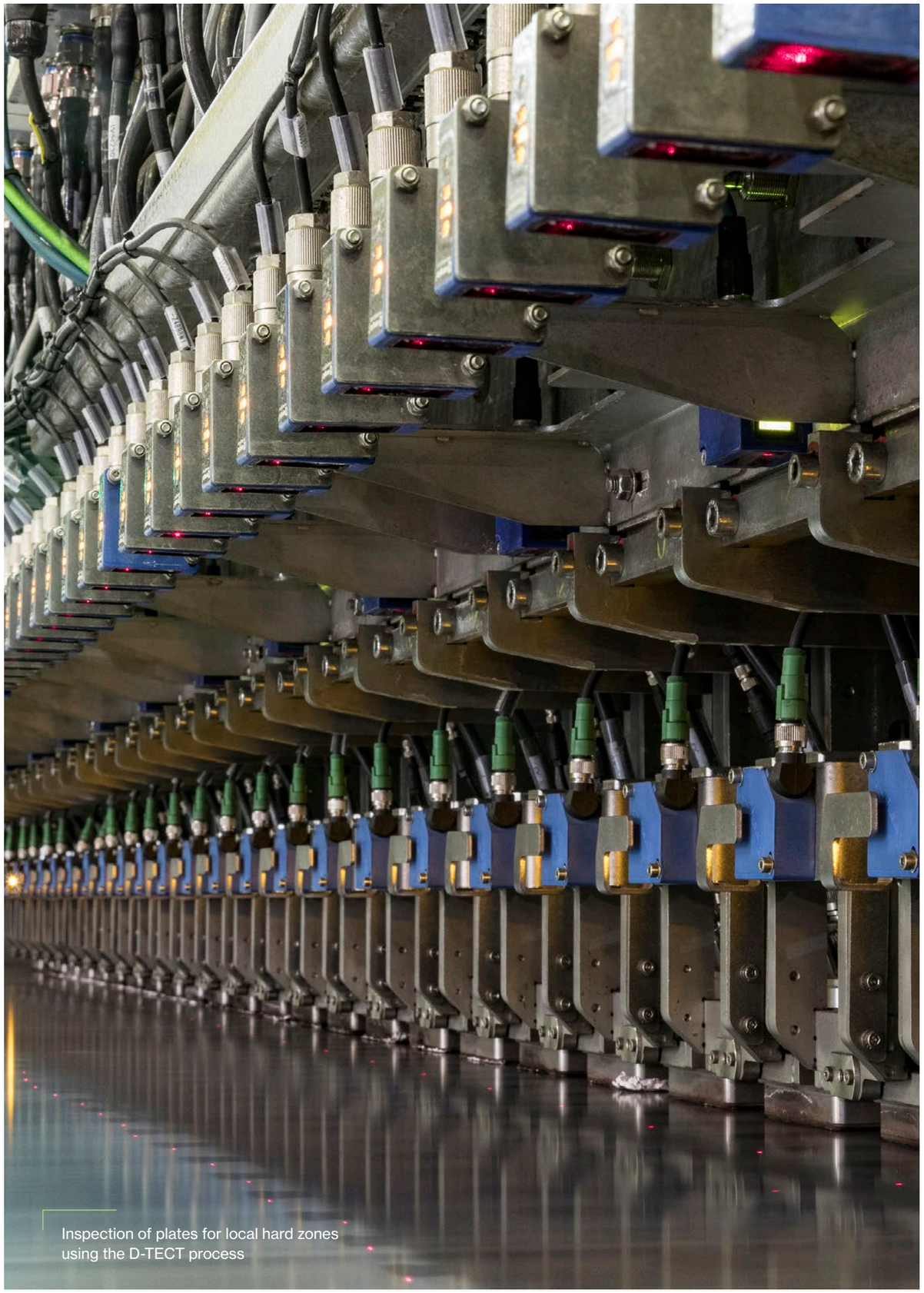
Lifting arms for earthmoving equipment, formwork panels for visible-concrete components and other applications make special demands on the surface quality of the steels used. Dillinger has special solutions in its range for such purposes, detailed information can be found in the OFL-L and OFL-S specifications.

Special qualifications

Do you need verification of the suitability of our plates for your application via qualification and approval? These exist already for our most important steels and we will be glad to provide them to you if necessary. In special individual cases, such testing and evaluation can also be performed prior to or during the course of an ongoing project.

Other additional requirements

Other additional requirements can be taken into account upon agreement and will be met in conformity to the widely used standards, including, for example, deformation properties in the thickness direction (Z properties in accordance with EN 10164), restricted Si and P contents for subsequent hot-dip galvanising, oxide purity requirements (EN 10247), higher-level notched-impact energy data (Charpy V values) or US testings (EN 10160).



Inspection of plates for local hard zones using the D-TECT process

Connected – our digital customer services

E-Service, myE-Service and the E-Connect app: Our digital customer services provide you with carefully tailored solutions, in order to shape your projects more efficiently and maintain an overview of your orders at all times. Discover our diverse range of tools and services – they will all make your work easier!

E-Service – Freely accessible tools and information

In our E-Service sector you will find a large range of tools to help you make the best possible decisions for your projects.

- **Product finder: The perfect steel for your needs**
  You're looking for the best possible steel grade for your specific requirements? Our product finder covers the entire range of Dillinger products. Filter your search by standards, features or applications, to find the right heavy plate product systematically. Product finder also provides comprehensive information on our proprietary steels like DILLIDUR and DI-MC.
- **Feasibility study: Efficient and reliable**
  Our feasibility study enables you to check the producibility of your requirements against Dillinger products quickly and easily. Our feasibility study also takes into account additional requirements, including ultrasonic testings, enabling you to make well-founded decisions
- **Technical assistant programs:**
  Precision support for your skilled craftsmen
  This sector includes tools for calculation of carbon equivalents, welding parameters such as preheating temperatures and cooling times as well as for determination of hardness in the heat-affected zone (HAZ) after welding. You can also calculate the preheating temperature for flame cutting and the producibility of longitudinally profiled plates using a range of different dimensions. Calculation of the Hollomon parameter is also possible.

myE-Service – Your personal access to order-related information

The myE-Service portal gives you, as a Dillinger customer, the overview of your current orders at any time, as well as all order-related documents. After logging-in, you will see on your individually configurable dashboard detailed status reports from the "Project", "Order" and "Order item" levels. You will also be able to view quickly and easily and download important documents, such as order confirmations, certificates, invoices and delivery notes.

E-Connect App – Mobile access to certificate information

The E-Connect app enables you, as a Dillinger customer, to access quickly and easily certificate information concerning your plates. Simply scan the barcode on the plate labelling or enter manually the parent-plate number in order to view immediately all relevant test results and chemical properties. This data can be transferred directly into the technical assistant programs of E-Service in order, for example, to find the optimum cooling time after welding or recommended preheating temperature for flame cutting. Modern progressive web-app technology means that no installation is necessary – all you need is your browser.

You can access our digital customer services via our website.

Plates in motion – Our logistics

Trouble-free planning and control of all transportation activities are based on an efficient logistics concept backed up by global cooperation with trustworthy partners in the transshipment and logistics sectors.

We back the right partner

In the field of logistics, Dillinger puts its faith in SHS Logistics, an SHS Group company.

Drafting of carefully tailored logistics concepts, harmonised with our customers' individual needs, is an essential component of this business relationship. Our logistics team provides you with the right mode of transport that matches your needs, the focus being at all times on fast, reliable and qualified completion of all transportation movements. From planning and control of multi-modal transport (rail, road, water), up to and including all related logistical activities, our team can deliver both to national and international destinations – our logistics covers all your transport needs.

Rail transport – Fast and safe to the destination

Our logistics team cooperates closely with a number of European rail companies in the implementation of your transport movements and has at all times access to the most diverse types of rail wagons, depending on the products to be transported, in order to get your goods quickly and safely to their destination. Even if you or your customer does not have a rail connection, organisation of the preliminary and final road delivery trips, including the necessary transshipment(s), is also possible without difficulty.

Road transport – Heavy-load transportation made easy

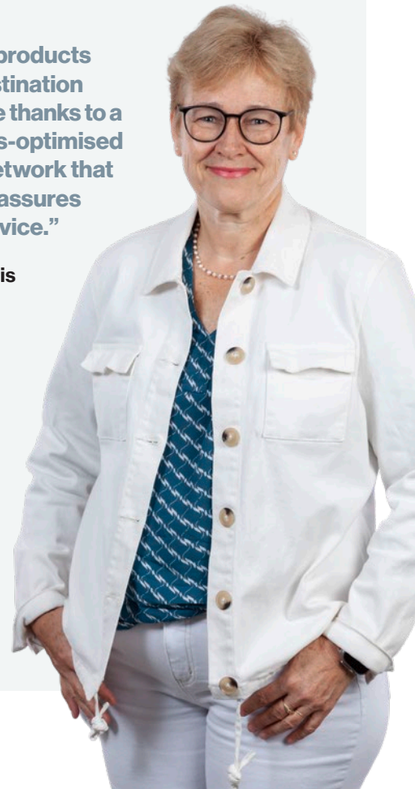
The implementation of special transport movements in the extra-large range is, in particular, one of our logistics team's strengths. Low-loaders, telescopic articulated trucks and – for over-width plates, for example – hydraulically operated inclined loaders are available to you for heavy-load movements of the most diverse kind. The official approvals necessary for this purpose exist, in the form of permanent approvals, for a large number of German domestic and trans-border movements.

Water transport – The harbour on the River Saar, our locational advantage

Optimum preconditions for inland-waterway transportation are assured thanks to our location close to the Saarlouis-Dillingen harbour on the River Saar. All the inland waterways of Europe can be reached – primarily via the Rhine and its tributaries – using motor-ships, push-tow and coupled-lighter formations, all of which are readily available. Our team has, furthermore, a national and a global logistical network. This allows not only European inland-shipping movements, but also overseas shipments. In organising freight movements, our logistics team can make use of a Europe-wide network of shipping lines and transshipment organisations.

"This is how your products arrive at their destination safely and on time thanks to a cost- and process-optimised transportation network that at the same time assures best possible service."

Sybille Ehlers-Morais de Oliveira
Managing Director
SHS Logistics



Our product portfolio –
Steel grades and dimension ranges

The following orientational data show you the steel grades that can be ordered as standard from Dillinger, complete with the available dimensions. In many cases, it will also be possible to supply other grades and other dimensions – just contact us for details!

We have initially grouped our steels by applications or by product type. You can find the corresponding standards and the appurtenant grade designations within the relevant application sector and/or product type. We state for every grade limits for plate thickness as they are defined by the relevant standard or by technical producibility at Dillinger. In addition, you can also find here the applicable table of dimensions.

Do you need plate dimensions beyond the data stated in the tables? In many cases this will be possible – just contact us!

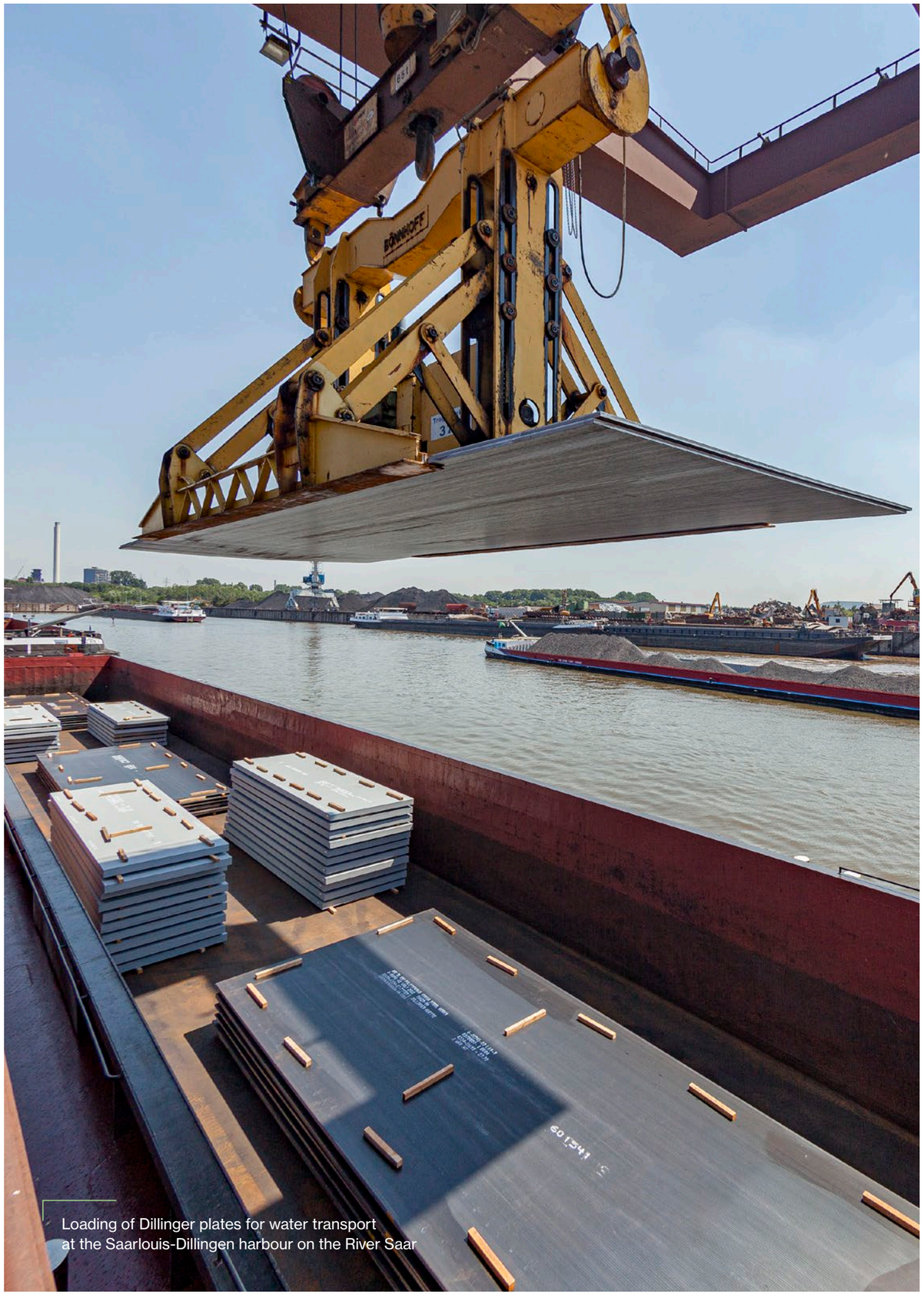
In the case of steels which are subject to approval by an acceptance company or a supervisory authority the dimensions suppliable may change in the course of time.

The following conditions of order apply in principle:

- Plate lengths as from 2 m can be supplied
- The minimum item weight is 10 t
- Plate weights of above 35 t and plate lengths of above 25 m must be enquired
- The possibilities for transportation (rail, water, road) must be clearly defined prior to ordering in the case of plate lengths of above 18 m or plate widths of above 4,200 mm.

“This is the way we set standards in heavy plate: We are closely customer-orientated and understand precisely the needs of the various industries. We are constantly developing our products further, orientated at all times around our customers’ individual needs. This is how we achieve convincing solutions to the challenges of the future.”

Dr. Wolfram Hölbling
General Manager Marketing & Technical Support



Loading of Dillinger plates for water transport at the Saarlouis-Dillingen harbour on the River Saar

Steel grades in conformity to current standards

Structural steels									
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	Available in conformity to DBS 918002-2	Available with NF Acier (NF Steel) certification	Available with CE symbol/UKCA symbol	Available as longitudinally profiled plate	On enquiry
EN 10025-2: Unalloyed structural steels									
S185			410	1					x
S235JR, JR+N, J0, J0+N, J2, J2+N			400	1	up to 100 mm (only J0, J2)	up to 250 mm	x	x	x
S235JRC, JRC+N, J0C, J0C+N, J2C, J2C+N			30	1	up to 30 mm (only J0, J2)		x	x	x
S275JR, JR+N, J0, J0+N, J2, J2+N			400	1	up to 100 mm (only J0, J2)	up to 250 mm	x	x	x
S275JRC, JRC+N, J0C, J0C+N, J2C, J2C+N			30	1	up to 30 mm (only J0, J2)		x	x	x
S355JR, JR+N, J0, J0+N, J2, J2+N, K2, K2+N			450	1	up to 100 mm (only J0, J2, K2)	up to 250 mm	x	x	
S355J0C, J0C+N, J2C, J2C+N, K2C, K2C+N			30	1	up to 30 mm (only J0, J2, K2)		x	x	
E295, E295+N			250	1					x
E335, E335+N			250	1					x
E360, E360+N			250	1					x
EN 10025-3: Normalised/normalising rolled fine-grained structural steels									
S275N, NL			250	1	up to 250 mm	bis 250 mm	x	x	
S355N, NL			250	1	up to 250 mm	bis 250 mm	x	x	
S420N, NL			250	1	up to 100 mm	bis 150 mm	x	x	
S460N, NL			250	1	up to 100 mm	bis 150 mm	x	x	
EN 10025-4: Thermomechanically rolled fine-grained structural steels									
S275M, ML			170	2	up to 150 mm	up to 150 mm	up to 150 mm		
S355M, ML	DI-MC 355 B,T		170	2	up to 150 mm	up to 150 mm	up to 150 mm		Above standard thickness on enquiry
S420M, ML			160	2	up to 100 mm	up to 150 mm	up to 150 mm		
S460M, ML	DI-MC 460 B,T		160	2	up to 100 mm	up to 150 mm	up to 150 mm		Above standard thickness on enquiry
S500M, ML	DI-MC 500 B,T		150	2		up to 150 mm	up to 150 mm		
Thermomechanically rolled fine-grained structural steels in conformity to Dillinger material data sheet									
	DI-MC 550 B,T	20	50	2					x
	DI-MC 690 B,T	A	A	2					x
EN 10025-5: Weather-resistant steels									
S235J0W+N, J2W+N			150	1	up to 100 mm	up to 150 mm, ...J0W... only for gamme 2	x	x	x
S355J0W+N, J2W+N, K2W+N, J4W+N, J5W+N	DIWETEN 355+N		150	1	up to 100 mm	up to 150 mm, ...J0W... only for gamme 2	x	x	
S355J0W+M, J2W+M, K2W+M, J4W+M, J5W+M	DIWETEN 355+M		150	2	up to 100 mm	up to 150 mm, ...J0W... only for gamme 2	x		
S420J0W+M, J2W+M, K2W+M, J4W+M, J5W+M			150	2	up to 100 mm	up to 150 mm, ...J0W... only for gamme 2	x		x
S460J0W+M, J2W+M, K2W+M, J4W+M, J5W+M	DIWETEN 460+M		150	2	up to 100 mm	up to 150 mm, ...J0W... only for gamme 2	x		

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Steel grades in conformity to current standards

Structural steels									
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	Available in conformity to DBS 918002-2	Available with NF Acier (NF Steel) certification	Available with CE symbol/UKCA symbol	Available as longitudinally profiled plate	On enquiry
EN 10025-6: Fine-grained structural steels, quenched and tempered									
S460Q, QL, QL1			200	3		up to 200 mm	x		
S500Q, QL, QL1	DILLIMAX 500 B,T,E		200	3			x		x
S550Q, QL, QL1	DILLIMAX 550 B,T,E		200	3			x		x
S620Q, QL, QL1			200	3			x		x
S690Q, QL, QL1	DILLIMAX 690 B, T (up to 290 mm), E (up to 200 mm)		290	3			x (up to 200 mm)		
S890Q, QL, QL1	DILLIMAX 890 B,T,E		160	3			x (up to 125 mm)		
S960Q, QL, QL1	DILLIMAX 965 B,T,E		160	3			x (up to 125 mm)		
Fine-grained structural steels, quenched and tempered in conformity to Dillinger material data sheet									
	DILLIMAX 1100	8	40	3					
ASTM/ASME: Steel grades for steel structures									
A36 [M]			410	1				x	
A283 [M] Gr. C, D			255	1					x
A514 [M] Gr. B, F, H, Q			A	3					x
A572 [M] Gr. 42 [290]			153	1					x
A572 [M] Gr. 50 [345]			125	1				x	
A572 [M] Gr. 55 [380], 60 [415], 65 [450]			A	1/2					
A573 [M] Gr. 58 [400], 65 [450], 70 [485]			A	1					x
A588 [M] Gr. A, B			A	1					x
A633 [M] Gr. C, D			A	1					x
A709 [M] Gr. 36 [250], 50 [345], 50W [345W]			A	1				x	
A709 [M] Gr. HPS 50W [HPS 345W], HPS 70W [HPS 485W]			A	1/2					x
A1066 [M] Gr. 50 [345], 60 [415], 65 [450], 70 [485]			A	2					
CSA G40.21: Structural steels for steel structures									
300W(T)				1/2					x
350W(T)		8	A	1/2				x	
450W(T), 480W(T)			A	2					
350A(T)		8	A	1/2				x	
480A(T)			A	2					x
JIS G3106: Structural steels for steel structures and offshore structures									
SM520C			A	2					x

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Steel grades in conformity to current standards

Steels for offshore structures								
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	Available in conformity to NORSOK M-120	Available with CE symbol	Available as longitudinally profiled plate	On enquiry
EN 10225-1: Steels for stationary offshore structures								
S355NLO			A	1	x	On enquiry	x	
S355MLO			A	2	x	On enquiry		
S420MLO			A	2	x	On enquiry		
S420QLO			A	3				x
S460MLO			A	2	x	On enquiry		
S460QLO			A	3				x
S500MLO			A	2	x			x
S500QLO			A	3				x
S550QLO			A	3				x
S620QLO			A	3				x
S690QLO			A	3				x
API Spec 2H: Steels for offshore structures, normalised								
2H-42			A	1				
2H-50			A	1				
API Spec 2W: Thermomechanically rolled steels for offshore structures								
2W-50			A	2				
2W-60			A	2				

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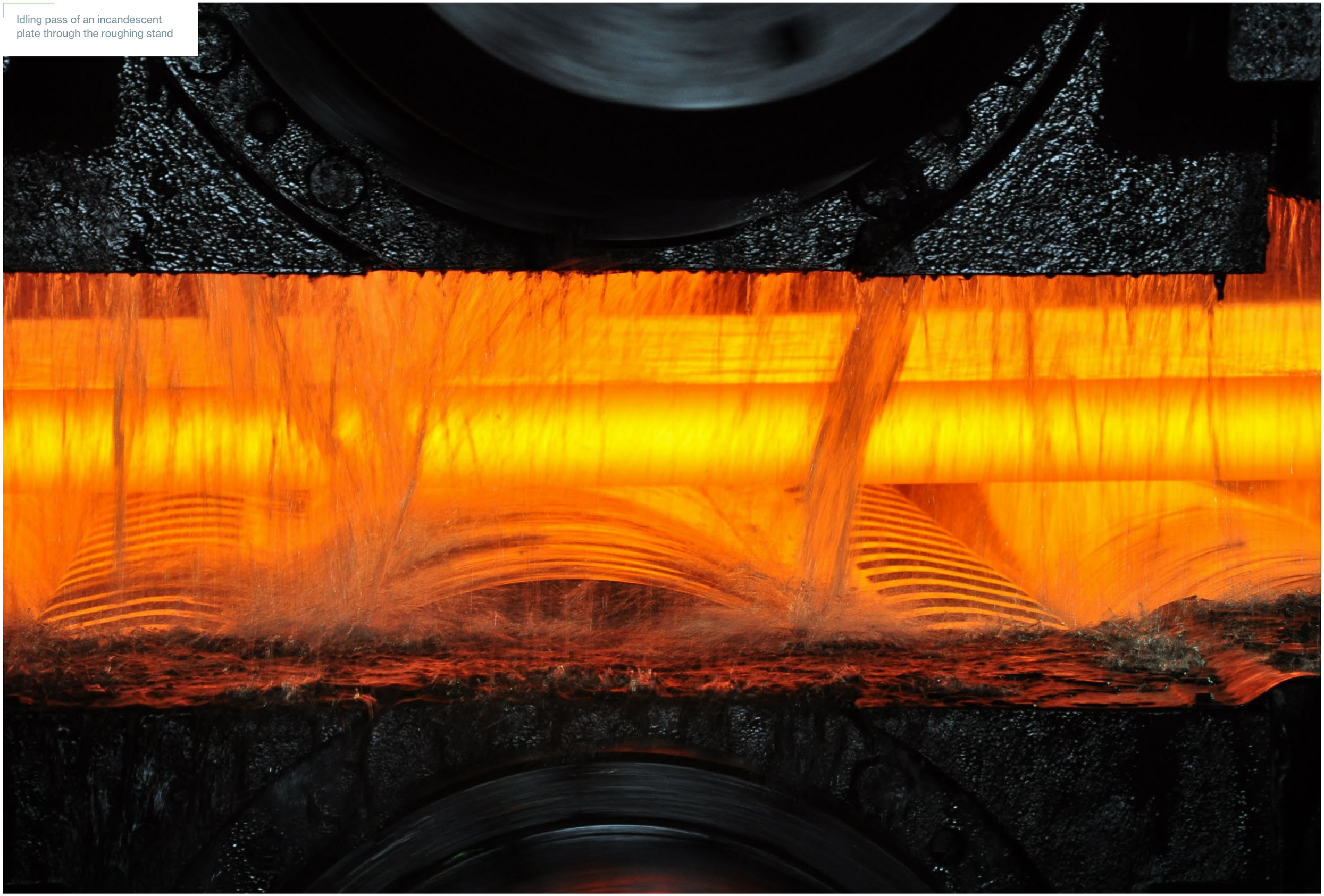
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Idling pass of an incandescent plate through the roughing stand



Steel grades in conformity to current standards

Steels for cold forming					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
EN 10149-2: Thermomechanically rolled steels for cold forming					
S315MC			A	2	x
S355MC			30	2	
S420MC			20	2	x
S460MC, S500MC			40	2	
S550MC			A	2	x
EN 10149-3: Normalized or normalized rolled steels for cold forming					
S260NC, S315NC, S355NC, S420NC			20	1	x

Mechanical engineering steels in conformity to Dillinger material data sheet					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
	DI-GEAR	120	220	3	x
	P420M HT L2	10	100	2	x
	P420M HT K2	10	100	2	x

Wear-resistant steels in conformity to Dillinger material data sheet					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
	DILLIDUR 325 L	6	100	3	x (up to 8 mm)
	DILLIDUR 400	6	150	3	x (up to 8 mm)
	DILLIDUR 450	6	100	3	x (up to 8 mm)
	DILLIDUR 500	8	100	3	
	DILLIDUR 550	10	100	3	
	DILLIDUR 600	15	60	3	
	DILLIDUR IMPACT	40	150	3	

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Security steels						
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	Available in conformity to TL2350-0000 or MIL-DTL or AFNOR or customer specification	On enquiry
Security steels in conformity to Dillinger material data sheet						
	DIFENDER 270	6	25	B	x	x
	DIFENDER 300	6	150	B	x	x
	DIFENDER 350	6	80	B	x	x
	DIFENDER 400	6	60	B	x	x
	DIFENDER 450	6	50	B	x	x
	DIFENDER 500	6	150	B	x	x
	DIFENDER 600	6	40	B	x	x
	DIFENDER 600 PH	6	25	B	x	x

Steels in conformity to ABS, BV, DNV and KRS regulations

Dillinger possesses a large range of approvals for steel grades in accordance with the codes, rules and standards of important classification companies.

Steels for large-diameter pipes

Dillinger supplies plates as the feed material for pipes in accordance with the widely used standards (API 5L, ISO 3183, DNV-ST-F101) – please contact us. D-TECT is our designation for linepipe plates for sour-gas applications with verified surface hardness.

An up-to-date overview can be found in the E-Service sector of our internet site.

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Steel grades in conformity to current standards

Steels for case-hardening, quenching and tempering					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
EN ISO 683-1: Unalloyed steels for quenching and tempering					
C45+N	DIMO C45	10	305	1	
C45+U	DIMO C45	10	305	1	
C60+N			250	1	x
C45E+N	DIMO C45	10	305	1	
C45E+U	DIMO C45	10	305	1	
C60E+N			250	1	x
EN ISO 683-2: Alloyed steels for quenching and tempering					
25CrMo4			A	1	x
42CrMo4			200	1	
42CrMo4+QT		A	200	3	
52CrMoV4		A	A	1	x
51CrV 4			A	1	x
EN ISO 683-3: Case-hardening steels					
16MnCr5+N			200	1	
16MnCr5+U		8	200	1	
20MnCr5+N			200	1	
20MnCr5+U		8	200	1	
Alloyed quenched and tempered steels in conformity to Dillinger material data sheet					
	ASTM A829 Grade 4140	12	300	B	
	ASTM A829 Grade 4142	12	300	B	
Steels for plastics moulds in conformity to Dillinger material data sheet					
	DIMO 2311	12	170	B	
	DIMO 2312	12	215	B	
	DIMO 2738	12	165	B	

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Continuous caster CC6 for slabs of up to 600 mm thickness

Steel grades in conformity to current standards

Steels for pressure equipment					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
EN 10028-2: Unalloyed and alloyed high-temperature steels					
P235GH			250	1	
P265GH			250	1	
P295GH			250	1	
P355GH			250	1	
20MnMoNi4-5	DIWA 393		250	3	x
15NiCuMoNb5-6-4	DIWA 373		100	1	x
15NiCuMoNb5-6-4	DIWA 373	> 100	150	1	x
15NiCuMoNb5-6-4	DIWA 373	> 100	150	3	x
15NiCuMoNb5-6-4	DIWA 373	> 150	200	3	x
13CrMo4-5		6	100	1	
13CrMo4-5		> 100	150	1	
13CrMo4-5		> 100	150	3	
13CrMo4-5		> 150	250	3	
13CrMoSi5-5+NT		6	100	1	
13CrMoSi5-5+QT		6	180	3	
10CrMo9-10		6	60	1	
10CrMo9-10		> 60	100	1	
10CrMo9-10		> 60	100	3	
10CrMo9-10		> 100	250	3	
12CrMo9-10			250	1	
12CrMo9-10			250	3	
13CrMoV9-10			A	1	x
13CrMoV9-10			A	3	x
12CrMoV12-10			A	1	x
12CrMoV12-10			A	3	x
Alloyed hot-strength steels in conformity to Dillinger material data sheet					
	DIWA 353			1	x
EN 10028-3: Fine-grained steels, normalised					
P275NH, NL1			250	1	
P275NL2			250	1	
P355N, NH, NL1			250	1	
P355NL2			250	1	
P420NH, NL1			200	1	
P420NL2			140	1	
P460NH, NL1, NL2			250	1	

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Steels for pressure equipment					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
Fine-grained steels in conformity to Dillinger material data sheet					
	DILLINAL 460/630 N	7	20	1	
	DILLINAL 460/630 NL	7	20	1	
EN 10028-4: Ni-alloyed low-temperature steels					
11MnNi5-3		80		1	x
13MnNi6-3		80		1	x
15NiMn6		A		1	x
12Ni14		80		1	x
X12Ni5		50		1	x
X8Ni9+NT640		A		1	x
X8Ni9+QT640, +QT680		A		3	x
X7Ni9		A		3	x
EN 10028-5: Thermomechanically rolled fine-grained steels					
P355M, ML1, ML2	DI-TANK 355	8	63	2	x
P420M, ML1, ML2	DI-TANK 420	8	63	2	x
P460M, ML1, ML2	DI-TANK 460	8	63	2	x
Thermomechanically rolled special-purpose fine-grained structural steels in conformity to Dillinger material data sheet					
	DI-TANK 355	10	40	2	
	DI-TANK 420	10	40	2	
	DI-TANK 460	10	40	2	
	DI-TANK 355 HIC	10	40	2	
	DI-TANK 420 HIC	10	40	2	
	DI-TANK 460 HIC	10	40	2	
EN 10028-6: Fine-grained steels, quenched and tempered					
P355Q, QH, QL1, QL2			200	3	x
P460Q, QH, QL1, QL2			200	3	x
P500Q, QH, QL1	DIROS 500 HT		200	3	x
P500QL2	DIROS 500 HT		200	3	x
P690Q, QH, QL1, QL2	DILLIMAX 690 PE		200	3	x

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Steel grades in conformity to current standards

Steels for pressure equipment					
Grades in conformity to standard	Dillinger proprietary steel	Min. plate thickness [mm]	Max. plate thickness [mm]	Dimension table	On enquiry
ASTM/ASME: Steel grades for pressure equipment					
A/SA203 [M] Gr. D, E			100	1	x
A/SA203 [M] Gr. F			A	3	x
A/SA204 [M] Gr. A		26	60	1	x
A/SA204 [M] Gr. B			80	1	x
A/SA204 [M] Gr. C			25	1	x
A/SA285 [M] Gr. A, B, C			51	1	x
A/SA299 [M] Gr. A			205	1	x
A/SA299 [M] Gr. B			A	1	x
A/SA302 [M] Gr. A, B, C, D			A	1	x
A/SA353 [M]			A	1	x
A/SA387 [M] Gr. 11 Cl 1, 2		6	250	1	x
A/SA387 [M] Gr. 12 Cl 1			A	1	x
A/SA387 [M] Gr. 12 Cl 2		6	250	1	x
A/SA387 [M] Gr. 22 Cl 1			A	1	x
A/SA387 [M] Gr. 22 Cl 2		6	250	1	x
A/SA516 [M] Gr. 60 [415], 65 [450], 70 [485]			205	1	
A/SA517 [M] Gr. B, F, H	DILLIMAX 690 PE		A	3	x
A/SA533 [M]			A	3	x
A/SA537 [M] Cl 1			102	1	x
A/SA537 [M] Cl 2		6	153	3	x
A/SA537 [M] Cl 3			A	3	x
A/SA542 [M]			A	3	x
A/SA543 [M]			A	3	x
A/SA553 [M] Type I			A	3	x
A/SA612 [M]			A	1	x
A/SA738-B [M]		8	40	3	x

A Please enquire for maximum plate thickness in each individual case.
B The available dimensions for these Dillinger special grades are shown separately in the respective specifications or materials data sheets. Please consult these documents for details.

Dillinger plates with individual weld seam preparation by means of milling

Table 1

Maximum plate length [m] relative to plate thickness [mm] and plate width [mm]

from		900	1001	1101	1201	1301	1401	1501	1601	1701	1801	1901	2001	2101	2201	2301	2401	2501	2601	2701	2801	2901
up to >	≤	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
6	7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
7	8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
8	9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
9	10	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
10	12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
12	15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
15	20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
20	25	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
25	30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
30	35	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
35	40	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
40	45	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
45	50	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
50	55	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
55	60	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	25.9	24.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
60	65	28.0	28.0	28.0	28.0	28.0	28.0	26.8	25.2	23.8	22.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
65	70	26.2	28.0	28.0	28.0	28.0	27.1	24.9	23.4	22.1	20.9	26.2	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.1
70	75	24.3	28.0	28.0	28.0	27.0	25.2	23.1	21.8	20.6	19.5	24.3	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.0	26.1	25.2
75	80	22.8	28.0	28.0	27.3	25.3	23.6	21.6	20.4	19.2	18.2	22.8	28.0	28.0	28.0	28.0	28.0	27.3	26.3	25.3	24.4	23.6
80	85	21.4	28.0	27.8	25.6	23.8	22.2	20.3	19.1	18.0	17.1	21.4	28.0	28.0	28.0	27.8	26.6	25.6	24.7	23.8	22.9	22.2
85	90	20.2	28.0	26.2	24.2	22.4	20.9	19.1	18.0	17.0	16.1	20.2	28.0	28.0	27.3	26.2	25.1	24.2	23.3	22.4	21.6	20.9
90	95	19.1	27.0	24.8	22.9	21.2	19.8	18.1	17.0	16.1	15.2	19.1	28.0	27.0	25.9	24.8	23.8	22.9	22.0	21.2	20.5	19.8
95	100	18.1	25.7	23.5	21.7	20.1	18.7	17.2	16.1	15.2	14.4	18.1	26.9	25.7	24.5	23.5	22.6	21.7	20.9	20.1	19.4	18.7
100	110	17.3	23.3	21.3	19.6	18.2	17.0	15.5	14.6	13.8	13.7	17.3	24.4	23.3	22.3	21.3	20.4	19.6	18.9	18.2	17.6	17.0
110	120	15.8	21.3	19.5	17.9	16.6	15.5	14.2	13.3	12.6	12.5	15.8	22.3	21.3	20.3	19.5	18.7	17.9	17.3	16.6	16.0	15.5
120	130	14.5	19.6	17.9	16.5	15.3	14.2	13.0	12.2	11.5	11.5	14.5	20.5	19.6	18.7	17.9	17.2	16.5	15.9	15.3	14.8	14.2
130	140	13.4	18.1	16.6	15.3	14.2	13.2	12.0	11.3	10.6	10.6	13.4	19.0	18.1	17.3	16.6	15.9	15.3	14.7	14.2	13.6	13.2
140	150	12.5	16.9	15.4	14.2	13.2	12.2	11.2	10.5	9.9	9.8	12.5	17.7	16.9	16.1	15.4	14.8	14.2	13.7	13.2	12.7	12.2
150	160	11.6	15.8	14.4	13.3	12.3	11.4	10.4	9.8	9.2	9.1	11.6	16.5	15.8	15.1	14.4	13.8	13.3	12.8	12.3	11.8	11.4
160	170	10.9	14.8	13.5	12.4	11.5	10.7	9.8	9.2	8.6	8.6	10.9	15.5	14.8	14.1	13.5	13.0	12.4	12.0	11.5	11.1	10.7
170	180	10.2	13.9	12.7	11.7	10.8	10.1	9.2	8.6	8.1	8.0	10.2	14.6	13.9	13.3	12.7	12.2	11.7	11.2	10.8	10.4	10.1
180	190	9.7	13.1	12.0	11.0	10.2	9.5	8.6	8.1	7.6	7.6	9.7	13.8	13.1	12.5	12.0	11.5	11.0	10.6	10.2	9.8	9.5
190	200	9.1	12.4	11.4	10.4	9.7	9.0	8.2	7.7	7.2	7.1	9.1	13.1	12.4	11.9	11.4	10.9	10.4	10.0	9.7	9.3	9.0
200	210	8.7	11.8	10.8	9.9	9.1	8.5	7.7	7.2	6.8	6.8	8.7	12.4	11.8	11.3	10.8	10.3	9.9	9.5	9.1	8.8	8.5
210	220	8.2	11.2	10.2	9.4	8.7	8.1	7.3	6.9	6.5	6.4	8.2	11.8	11.2	10.7	10.2	9.8	9.4	9.0	8.7	8.4	8.1
220	230	7.8	10.7	9.8	9.0	8.3	7.7	7.0	6.5	6.1	6.1	7.8	11.2	10.7	10.2	9.8	9.3	9.0	8.6	8.3	8.0	7.7
230	240	7.5	10.2	9.3	8.6	7.9	7.3	6.7	6.2	5.8	5.8	7.5	10.7	10.2	9.8	9.3	8.9	8.6	8.2	7.9	7.6	7.3
240	250	7.1	9.8	8.9	8.2	7.5	7.0	6.4	5.9	5.6	5.5	7.1	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5	7.3	7.0
250	260	8.2	9.4	8.5	7.8	7.2	6.7	6.1	5.7	5.3	5.3	8.2	9.8	9.4	8.9	8.5	8.2	7.8	7.5	7.2	6.9	6.7
260	270	7.8	9.0	8.2	7.5	6.9	6.4	5.8	5.4	5.1	5.1	7.8	9.4	9.0	8.6	8.2	7.8	7.5	7.2	6.9	6.7	6.4
270	280	7.5	8.6	7.9	7.2	6.6	6.1	5.6	5.2	4.9	4.8	7.5	9.1	8.6	8.2	7.9	7.5	7.2	6.9	6.6	6.4	6.1
280	290	7.2	8.3	7.6	6.9	6.4	5.9	5.4	5.0	4.7	4.6	7.2	8.7	8.3	7.9	7.6	7.2	6.9	6.6	6.4	6.1	5.9
290	300	7.0	8.0	7.3	6.7	6.1	5.7	5.1	4.8	4.5	4.5	7.0	8.4	8.0	7.6	7.3	7.0	6.7	6.4	6.1	5.9	5.7
300	310	6.7	6.1	6.2	5.6	5.2	4.8	10.3	9.7	9.2	8.7	8.3	7.9	7.5	7.2	6.9	6.6	6.3	6.1	5.8	5.6	5.4
310	320	6.5	5.9	5.9	5.4	5.0	4.6	10.0	9.4	8.9	8.4	8.0	7.6	7.3	6.9	6.6	6.3	6.1	5.8	5.6	5.4	5.2
320	330	6.2	5.6	5.7	5.2	4.8	4.5	4.2	9.1	8.6	8.2	7.7	7.4	7.0	6.7	6.4	6.1	5.9	5.6	5.4	5.2	5.0
330	340	6.0	5.5	5.5	5.1	4.7	4.3	4.0	8.8	8.3	7.9	7.5	7.1	6.8	6.5	6.2	5.9	5.7	5.4	5.2	5.0	4.8
340	350	5.8	5.3	5.3	4.9	4.5	4.2	3.9	8.5	8.1	7.6	7.2	6.9	6.6	6.3	6.0	5.7	5.5	5.3	5.1	4.9	4.7
350	360	5.7	5.1	5.2	4.7	4.4	4.0	3.7	8.3	7.8	7.4	7.0	6.7	6.4	6.1	5.8	5.5	5.3	5.1	4.9	4.7	4.5
360	370	5.5	4.9	5.0	4.6	4.2	3.9	3.6	3.4	3.1	7.2	6.8	6.5	6.2	5.9	5.6	5.4	5.1	4.9	4.7	4.6	4.4
370	380	5.3	4.8	4.9	4.4	4.1	3.8	3.5	3.2	3.0	7.0	6.6	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2
380	390	5.1	4.6	4.7	4.3	3.9	3.6	3.4	3.1	2.9	6.8	6.4	6.1	5.8	5.5	5.3	5.1	4.8	4.6	4.5	4.3	4.1
390	400	5.0	4.5	4.6	4.2	3.8	3.5	3.3	3.0	2.8	6.6	6.2	5.9	5.6	5.4	5.1	4.9	4.7	4.5	4.3	4.1	3.5
400	410	4.8	4.4	4.4	4.0	3.7	3.4	3.2	2.9	2.7	6.4	6.1	5.8	5.5	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.4
410	420	4.7	4.2	4.3	3.9	3.6	3.3	3.1	2.8	2.6	2.5	5.9	5.6	5.3	5.1	4.8	4.6	4.4	4.2	4.1	3.5	3.3
420	430	4.6	4.1	4.2	3.8	3.5	3.2	3.0	2.8	2.6	2.4	5.7	5.4	5.2	4.9	4.7	4.5	4.3	4.1	3.5	3.4	3.2
430	440	4.5	4.0	4.1	3.7	3.4	3.1	2.9	2.7	2.5	2.3	5.6	5.3	5.0	4.8	4.6	4.4	4.2	4.0	3.4	3.3	3.1
440	450			4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.2	2.1				4.5	4.3	4.1	3.4	3.3	3.2	3.0
450	460			3.8	3.5	3.2	2.9	2.7	2.5	2.3	2.2					4.3	4.1	3.5	3.4	3.2	3.1	

from		3001	3101	3201	3301	3401	3501	3601	3701	3801	3901	4001	4101	4201	4301	4401	4501	4601	4701	4801	4901	5001	5101	from	
up to >	≤	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	up to >	≤
6	7	24.0	24.0	21.0	21.0	19.0	12.0	12.0	12.0	12.0	12.0													6	7
7	8	25.0	25.0	25.0	25.0	25.0	15.0	15.0	15.0	15.0	15.0	13.5	12.0											7	8
8	9	25.0	25.0	25.0	25.0	25.0	21.0	21.0	21.0	19.0	17.0	15.0	14.0	12.0										8	9
9	10	25.0	25.0	25.0	25.0	25.0	21.0	21.0	21.0	21.0	19.0	17.0	14.0	14.0	12.0	12.0								9	10
10	12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	18.0	14.0	14.0	12.0						10	12
12	15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	12	15
15	20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	15	20
20	25	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	20	25
25	30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	25	30
30	35	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	30	35
35	40	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.0	22.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	35	40
40	45	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	22.0	21.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	40	45
45	50	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.5	26.8	22.0	20.0	18.0	18.0	18.0	18.0	18.0	18.0	17.6	17.6	45	50
50	55	28.0	28.0	28.0	28.0	28.0	28.0	27.5	26.8	26.1	25.5	24.8	24.3	22.0	18.0	18.0	17.8	17.2	17.0	16.5	16.0	16.0	16.0	50	55
55	60	28.0	28.0	28.0	27.4	26.6	25.9	25.2	24.5	23.9	23.3	22.7	22.2	20.5	17.0	16.5	15.7	15.3	15.0	14.7	14.4	13.2	13.2	55	60
60	65	27.7	26.8	26.0	25.2	24.5	23.8	23.2	22.6	22.0	21.4	20.9	20.4	19.0	15.5	15.3	14.4	14.1	13.8	13.5	13.2	12.2	12.2	60	65
65	70	25.6	24.9	24.1	23.4	22.7	22.1	21.5	20.9	20.4	19.9	19.4	18.9	17.0	14.5	14.2	13.4	13.1	12.8	12.5	12.3	11.5	11.5	65	70
70	75	23.9	23.1	22.4	21.8	21.1	20.6	20.0	19.5	19.0	18.5	18.0	17.6	16.0	13.5	13.2	12.4	12.2	11.9	11.7	11.4	10.0	10.0	70	75
75	80	22.3	21.6	21.0	20.4	19.8	19.2	18.7	18.2	17.7	17.3	16.9	16.4	15.0	12.8	12.4	11.6	11.4	11.1	10.9	10.7	9.5	9.5	75	80
80	85	21.0	20.3	19.7	19.1	18.6	18.0	17.5	17.1	16.6	16.2	15.8	15.4	13.0	12.0	11.6	10.9	10.7	10.5	10.2	10.0	8.8	8.8	80	85
85	90	19.8	19.1	18.6	18.0	17.5	17.0	16.5	16.1	15.7	15.3	14.9	14.5	12.5	11.2	11.0	10.3	10.1	9.9	9.6	9.6	8.5	8.5	85	90
90	95	18.7	18.1	17.6	17.0	16.5	16.1	15.6	15.2	14.8	14.4	14.1	13.7	12.0	10.6	10.5	9.7	9.6	9.6	9.6	9.6	8.0	8.0	90	95
95	100	17.7	17.2	16.6	16.1	15.7	15.2	14.8	14.4	14.0	13.7	13.3	13.0	11.5	10.0	10.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6	95	100
100	110	16.0	15.5	15.1	14.6	14.2	13.8	13.4	13.0	12.7	12.4	12.0	11.7	11.0	9.7	9.5	9.6	9.6	9.6	9.6	9.6	8.8	8.8	100	110
110	120	14.6	14.2	13.7	13.3	12.9	12.6	12.2	11.9	11.6	11.3	11.0	10.7	10.4	9.5	9.2	9.7	9.5	9.3	9.1	8.9	8.1	8.1	110	120
120	130	13.5	13.0	12.6	12.2	11.9	11.5	11.2	10.9	10.6	10.3	10.1	9.8	9.6	9.3	9.1	8.9	8.7	8.5	8.3	8.1	8.0	7.8	120	130
130	140	12.4	12.0	11.7	11.3	11.0	10.6	10.3	10.1	9.8	9.5	9.3	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.7	7.5	7.3	7.2	130	140
140	150	11.6	11.2	10.8	10.5	10.2	9.9	9.6	9.3	9.1	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.3	7.1	6.9	6.8	6.6	140	150
150	160	10.8	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.5	8.2	8.0	7.8	7.6	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.3	6.2	150	160
160	170	10.1	9.8	9.5	9.2	8.9	8.6	8.4	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.8	6.6	6.4	6.3	6.2	6.0	5.9	5.8	160	170
170	180	9.5	9.2	8.9	8.6	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.4	170	180
180	190	8.9	8.6	8.4	8.1	7.9	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.4	5.3	5.2		180	190
190	200	8.4	8.2	7.9	7.7	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.8	5.6	5.5	5.3	5.2	5.1	5.0			190	200
200	210	8.0	7.7	7.5	7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.7	5.6	5.4	5.3	5.2	5.0	4.9					200	210
210	220	7.6	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.6	5.4	5.3	5.2	5.0	4.9	4.8						210	220
220	230	7.2	7.0	6.8	6.5	6.3	6.1	6.0	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.8	4.6							220	230
230	240	6.9	6.7	6.4	6.2	6.0	5.8	5.7	5.5	5.3	5.2	5.0	4.9	4.8	4.6	4.5								230	240
240	250	6.6	6.4	6.1	5.9	5.8	5.6	5.4	5.2	5.1	4.9	4.8	4.7	4.5	4.4									240	250
250	260	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.5	4.3										250	260
260	270	6.0	5.8	5.6	5.4	5.3	5.1	4.9	4.8	4.6	4.5	4.4	4.3											260	270
270	280	5.8	5.6	5.4	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.2												270	280
280	290	5.5	5.4	5.2	5.0	4.8	4.7	4.5	4.4	4.3	4.1													280	290
290	300	5.3	5.1	5.0	4.8	4.6	4.5	4.4	4.2	4.1														290	300
300	310	5.2	5.0	4.9	4.7	4.5	4.4	4.3	4.1															300	310
310	320	5.0	4.8	4.7	4.5	4.4	4.2	4.1																310	320
320	330	4.8	4.7	4.5	4.4	4.2	4.1																	320	330
330	340	4.7	4.5	4.4	4.2	4.1																		330	340
340	350	4.5	4.4	4.2	4.1	3.5																		340	350
350	360	4.4	4.2	4.1	3.5																			350	360
360	370	4.2	4.1	3.5	3.4																			360	370
370	380	4.1	3.5	3.4																				370	380
380	390	3.5	3.4																					380	390
390	400	3.4	3.3																					390	400
400	410	3.3	3.2																					400	410
410	420	3.2																						410	420
420	430	3.1																						420	430
430	440																							430	440
440	450																							440	450
450	460																							450	460

The following order conditions apply in all cases:

- Minimum plate length: 2 m.
- Minimum item weight: 10 t.
  Please contact your sales representative for details concerning lower item weights.
- Please enquire for plates with plate weights of above 35 t and plate lengths of above 25 m.
- The shipping possibilities (rail, water, road) must be clearly defined prior to ordering in the case of plate lengths of above 18 m or plate widths of above 4,200 mm.
- Divergent plate dimensions outside the standard range stated above will in many cases in fact be possible – please enquire.
- Plate widths of less than 1,500 mm are possible only at extra cost.

Please also note in the case of grades from this table:

- Only an even number of plates with the maximum dimensions can be ordered. An uneven number of plates may often be possible when ordering shorter plate lengths. Please contact your representative at Dillinger.
- Please enquire concerning plates with plate widths of above 4,750 mm and concerning special flatness requirements (e.g. EN 10029, Flatness Class S).

Table 2

Maximum plate length [m] relative to plate thickness [mm] and plate width [mm]

from		800	901	1001	1101	1201	1301	1401	1501	1601	1701	1801	1901	2000	2101	2201	2301	2401	2501	2601	2701	2801	2901
up to >	≤	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
8	9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
9	10	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
10	12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
12	15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
15	20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
20	25	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
25	30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
30	35	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
35	40	27.3	27.7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
40	45	24.2	24.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
45	50	21.9	22.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
50	55	19.6	19.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.7	26.2	24.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
55	60	17.9	18.2	28.0	28.0	28.0	28.0	28.0	28.0	26.8	25.3	24.0	22.7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
60	65	16.5	16.7	28.0	28.0	28.0	28.0	28.0	26.3	24.7	23.3	22.1	20.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
65	70	15.2	15.4	28.0	28.0	28.0	28.0	26.5	24.3	22.8	21.6	20.4	19.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.5	26.5
70	75	14.1	14.4	28.0	28.0	28.0	26.5	24.7	22.6	21.3	20.1	19.0	18.0	28.0	28.0	28.0	28.0	28.0	28.0	27.5	26.5	25.6	24.7
75	80	13.2	13.4	28.0	28.0	26.7	24.8	23.1	21.1	19.9	18.7	17.7	16.8	28.0	28.0	28.0	28.0	27.8	26.7	25.7	24.8	23.9	23.1
80	85	12.3	12.5	28.0	27.3	25.1	23.3	21.7	19.8	18.6	17.6	16.6	15.8	28.0	28.0	28.0	27.3	26.1	25.1	24.2	23.3	22.4	21.7
85	90	11.6	11.8	28.0	25.7	23.7	21.9	20.4	18.7	17.6	16.6	15.7	14.8	28.0	28.0	26.8	25.7	24.6	23.7	22.8	21.9	21.2	20.4
90	95	10.9	11.1	26.6	24.3	22.4	20.7	19.3	17.7	16.6	15.6	14.8	14.0	27.8	26.6	25.4	24.3	23.3	22.4	21.5	20.7	20.0	19.3
95	100	10.3	10.5	25.2	23.0	21.2	19.7	18.3	16.7	15.7	14.8	14.0	13.3	26.4	25.2	24.1	23.0	22.1	21.2	20.4	19.7	19.0	18.3
100	105	9.8	10.0	24.0	21.9	20.2	18.7	17.4	15.9	14.9	14.1	13.3	12.6	25.1	24.0	22.9	21.9	21.0	20.2	19.4	18.7	18.0	17.4
105	110	9.3	9.5	22.8	20.9	19.2	17.8	16.5	15.1	14.2	13.4	12.6	12.0	23.9	22.8	21.8	20.9	20.0	19.2	18.5	17.8	17.2	16.5
110	115	8.9	8.0	21.8	19.9	18.3	17.0	15.8	14.4	13.5	12.8	12.0	11.4	22.9	21.8	20.8	19.9	19.1	18.3	17.6	17.0	16.4	15.8
115	120	8.4	7.6	20.9	19.1	17.5	16.2	15.1	13.8	12.9	12.2	11.5	10.9	21.9	20.9	19.9	19.1	18.3	17.5	16.9	16.2	15.6	15.1
120	125	8.1	7.2	20.0	18.3	16.8	15.5	14.4	13.2	12.4	11.7	11.0	10.4	21.0	20.0	19.1	18.3	17.5	16.8	16.2	15.5	15.0	14.4
125	130	7.7	6.9	19.2	17.5	16.1	14.9	13.9	12.7	11.9	11.2	10.5	10.0	20.1	19.2	18.3	17.5	16.8	16.1	15.5	14.9	14.4	13.9
130	135	7.4	6.6	18.4	16.8	15.5	14.3	13.3	12.1	11.4	10.7	10.1	9.6	19.3	18.4	17.6	16.8	16.1	15.5	14.9	14.3	13.8	13.3
135	140			17.7	16.2	14.9	13.8	12.8	11.7	10.9	10.3	9.7	9.2	18.6	17.7	16.9	16.2	15.5	14.9	14.3	13.8	13.3	12.8
140	145			17.1	15.6	14.3	13.3	12.3	11.2	10.5	9.9	9.3	8.8	17.9	17.1	16.3	15.6	15.0	14.3	13.8	13.3	12.8	12.3
145	150			16.5	15.1	13.8	12.8	11.9	10.8	10.1	9.5	9.0	8.5	17.3	16.5	15.7	15.1	14.4	13.8	13.3	12.8	12.3	11.9
150	155			15.9	14.5	13.4	12.3	11.5	10.4	9.8	9.2	8.7	8.2	16.7	15.9	15.2	14.5	13.9	13.4	12.8	12.3	11.9	11.5
155	160			15.4	14.0	12.9	11.9	11.1	10.1	9.4	8.9	8.4	7.9	16.2	15.4	14.7	14.0	13.5	12.9	12.4	11.9	11.5	11.1
160	165			14.9	13.6	12.5	11.5	10.7	9.7	9.1	8.6	8.1	7.6	15.6	14.9	14.2	13.6	13.0	12.5	12.0	11.5	11.1	10.7
165	170			14.4	13.2	12.1	11.2	10.4	9.4	8.8	8.3	7.8	7.4	15.1	14.4	13.8	13.2	12.6	12.1	11.6	11.2	10.7	10.4

The following order conditions apply in all cases:

- Minimum plate length: 2 m.
- Minimum item weight: 10 t. Please contact your sales representative for details concerning lower item weights.
- Please enquire for plates with plate weights of above 35 t and plate lengths of above 25 m.
- The shipping possibilities (rail, water, road) must be clearly defined prior to ordering in all cases in the case of plate lengths of above 18 m or plate widths of above 4,200 mm.
- Divergent plate dimensions outside of the standard range stated above will in many cases in fact be possible – please enquire.
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3001	3101	3201	3301	3401	3501	3601	3701	3801	3901	4001	4101	4201	4251	4301	4401	4501	4551	4601	from	
3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4250	4300	4400	4500	4550	4600	4650	up to >	≤
25.0	25.0	25.0	25.0	25.0	21.0	21.0	20.0	18.0	16.0	16.0	16.0								8	9
25.0	25.0	25.0	25.0	25.0	21.0	21.0	20.0	18.0	16.0	16.0	16.0	16.0	16.0	14.0	14.0				9	10
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	18.0	16.0	16.0	14.0	14.0		10	12
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	21.0	20.0	20.0	18.0	18.0	12	15
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	21.0	20.0	20.0	18.0	18.0	15	20
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	21.0	21.0	21.0	18.0	18.0	20	25
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	21.0	21.0	21.0	18.0	18.0	25	30
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	21.0	20.0	20.0	18.0	16.0	30	35
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.2	20.0	18.0	18.0	18.0	16.0	35	40
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	22.4	20.0	19.3	18.8	18.6	16.2	40	45
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.5	26.8	26.2	24.6	20.2	18.2	17.6	17.2	16.8	15.1	45	50
28.0	28.0	28.0	28.0	28.0	27.7	27.0	26.2	25.5	24.9	24.3	23.7	22.2	18.2	16.5	16.0	15.6	15.2	14.9	50	55
28.0	28.0	27.6	26.8	26.0	25.3	24.6	24.0	23.3	22.7	22.2	21.6	20.3	16.7	15.1	14.6	14.2	13.8	13.6	55	60
27.1	26.3	25.5	24.7	24.0	23.3	22.7	22.1	21.5	20.9	20.4	19.9	18.7	15.2	13.9	13.4	13.1	12.8	12.4	60	65
25.1	24.3	23.5	22.8	22.2	21.6	21.0	20.4	19.9	19.3	18.9	18.4	17.2	14.2	12.9	12.4	12.1	11.8	11.7	65	70
23.4	22.6	21.9	21.3	20.7	20.1	19.5	19.0	18.5	18.0	17.6	17.1	16.0	13.1	11.9	11.5	11.2	11.0	10.9	70	75
21.8	21.1	20.5	19.9	19.3	18.7	18.2	17.7	17.3	16.8	16.4	16.0	15.0	12.3	11.1	10.7	10.4	10.2	10.1	75	80
20.5	19.8	19.2	18.6	18.1	17.6	17.1	16.6	16.2	15.8	15.4	15.0	14.0	11.5	10.4	10.0	9.8	9.6	9.4	80	85
19.3	18.7	18.1	17.6	17.0	16.6	16.1	15.7	15.2	14.8	14.5	14.1	13.2	10.7	9.7	9.4	9.1	8.9	8.8	85	90
18.2	17.7	17.1	16.6	16.1	15.6	15.2	14.8	14.4	14.0	13.7	13.3	12.4	10.2	9.2	8.9	8.7	8.5		90	95
17.3	16.7	16.2	15.7	15.3	14.8	14.4	14.0	13.6	13.3	12.9	12.6	11.8	9.6	8.7	8.4	8.3	8.2		95	100
16.4	15.9	15.4	14.9	14.5	14.1	13.7	13.3	12.9	12.6	12.3	12.0	11.2	9.1	8.3	8.0	7.8	7.7		100	105
15.6	15.1	14.7	14.2	13.8	13.4	13.0	12.6	12.3	12.0	11.7	11.4	10.6	8.7	7.8	7.5	7.3	7.2		105	110
14.9	14.4	14.0	13.5	13.1	12.8	12.4	12.0	11.7	11.4	11.1	10.8	10.1	8.3						110	115
14.2	13.8	13.4	12.9	12.5	12.2	11.8	11.5	11.2	10.9	10.6	10.3	9.6	7.9						115	120
13.6	13.2	12.8	12.4	12.0	11.7	11.3	11.0	10.7	10.4	10.1	9.9	9.2	7.7						120	125
13.1	12.7	12.2	11.9	11.5	11.2	10.8	10.5	10.2	10.0	9.7	9.5	8.8	7.5						125	130
12.6	12.1	11.8	11.4	11.0	10.7	10.4	10.1	9.8	9.6	9.3	9.1	8.5	7.2						130	135
12.1	11.7	11.3	10.9	10.6	10.3	10.0	9.7	9.4	9.2	8.9	8.7	8.1	6.9						135	140
11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.3	9.1	8.8	8.6	8.4	7.8	6.6						140	145
11.2	10.8	10.5	10.1	9.8	9.5	9.3	9.0	8.7	8.5	8.3	8.1	7.5	6.4						145	150
10.8	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.4	8.2	8.0	7.8	7.2	6.1						150	155
10.4	10.1	9.8	9.4	9.2	8.9	8.6	8.4	8.1	7.9	7.7	7.5	7.0	5.9						155	160
10.1	9.7	9.4	9.1	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.2	6.7	5.7						160	165
9.8	9.4	9.1	8.8	8.6	8.3	8.0	7.8	7.6	7.4	7.2	7.0	6.5	5.5						165	170

Please also note the following for grades from this table:

Only an even number of plates with the maximum dimensions can be ordered.
An uneven number of plates may often be possible when ordering shorter plate lengths.
Please contact your representative at Dillinger.
On request only, data for information only
Please contact us for lengths > 18 m, data here is for information only, longer plate lengths are also possible in individual cases.

If a notched-impact test is required at half plate thickness (e.g. as per EN 10225-1):
- Maximum plate thickness: 140 mm

On request only

- Maximum producibility may be restricted in case of special requirements (e.g. lowered test temperatures, elevated yield strength) or grades of steel of yield-strength class S500 or higher. Please contact your representative at Dillinger.
- This table applies only to non-edge-prepared plates. Producibility of (welding) edge machining must be established separately.
- Flatness requirements must be established in detail in the case of plates of widths of above 4,460 mm.

Table 3

Maximum plate length [m] relative to plate thickness [mm] and plate width [mm]

from		900	1001	1101	1201	1301	1401	1501	1601	1701	1801	1901	2001	2101	2201	2301	2401
up to >	≤	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
6	7	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
7	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
8	9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
9	10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
10	12	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
12	15	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
15	20	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
20	25	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
25	30	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
30	35	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
35	40	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
40	45	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
45	50	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
50	55	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
55	60	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
60	65	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
65	70	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
70	75	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.7	15.0
75	80	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.9	12.2	14.6	14.0
80	85	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.9	16.0	16.0	16.0	16.0	16.0	16.0
85	90	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	14.9	16.0	16.0	16.0	16.0	15.9	15.3
90	95	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.1	14.2	14.1	16.0	16.0	16.0	16.0	15.7	15.1
95	100	16.0	16.0	16.0	16.0	16.0	16.0	15.2	14.3	13.5	13.4	16.0	16.0	15.6	15.0	14.3	13.8
100	105	16.0	16.0	16.0	16.0	16.0	15.8	14.4	13.6	12.8	12.7	16.0	15.6	14.9	14.3	13.6	13.1
105	110	15.3	16.0	16.0	16.0	16.0	15.0	13.7	12.9	12.1	12.1	15.6	14.9	14.2	13.6	13.0	12.5
110	115	14.6	16.0	16.0	16.0	15.4	14.3	13.1	12.3	11.6	11.5	14.3	14.2	13.6	13.0	12.5	12.0
115	120	13.9	16.0	16.0	15.9	14.7	13.7	12.5	11.7	11.0	11.0	14.3	13.6	13.0	12.5	12.0	11.4
120	130	12.8	16.0	15.9	14.6	13.5	12.6	11.5	10.8	10.1	10.0	13.2	12.6	12.0	11.5	11.4	11.4
130	140	11.8	16.0	14.7	13.5	12.5	11.6	10.6	9.9	9.3	9.3	11.4	11.4	11.4	11.4	11.4	11.4
140	150	11.0	14.9	13.6	12.5	11.6	10.7	9.8	9.2	8.6	8.6	11.0	12.8	12.2	11.4	11.4	11.4
150	160	10.2	13.9	12.7	11.7	10.8	10.0	9.1	8.5	8.0	8.0	10.2	12.0	11.4	11.4	11.4	11.4
160	170	9.5	13.1	11.9	10.9	10.1	9.4	8.5	8.0	7.5	7.4	9.5	11.4	11.4	11.4	11.4	11.4
170	180	9.0	12.3	11.2	10.3	9.5	8.8	8.0	7.5	7.0	7.0	9.0	11.4	11.4	11.4	11.2	10.7
180	190	8.4	11.6	10.5	9.7	8.9	8.3	7.5	7.0	6.6	6.5	8.4	11.4	11.4	11.0	10.5	10.1
190	200	9.1	10.9	10.0	9.1	8.4	7.8	7.1	6.6	6.2	6.2	9.1	11.5	10.9	10.4	10.0	9.5
200	210	8.7	10.4	9.4	8.6	8.0	7.4	6.7	6.2	5.9	5.8	8.7	10.9	10.4	9.9	9.4	9.0
210	220	8.2	9.8	9.0	8.2	7.6	7.0	6.3	5.9	5.5	5.5	8.2	10.4	9.8	9.4	9.0	8.6
220	230	7.8	9.4	8.5	7.8	7.2	6.6	6.0	5.6	5.2	5.2	7.8	9.9	9.4		8.5	8.1
230	240	7.5	7.0	7.1	6.5	6.0	5.6	6.7	6.2	5.8	5.8	7.5	9.1			7.9	7.6
240	250	7.1	6.7	6.8	6.2	5.7	5.3	6.4	5.9	5.6	5.5	7.1				7.6	7.3
250	260	7.1	6.4	6.5	5.9	5.5	5.1	4.7	5.7	5.3	5.3					7.3	7.0
260	270	6.8	6.1	6.2	5.7	5.2	4.8	4.5	5.4	5.1						7.0	6.7
270	280	6.5	5.9	5.9	5.4	5.0	4.6	4.3	5.2	4.9						6.7	6.4
280	290	6.2	5.6	5.7	5.2	4.8	4.4	4.1	3.8							6.4	6.1

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2501	2601	2701	2801	2901	3001	3101	3201	3301	3401	3501	3601	3701	3801	3901	4001	4101	4201	4301	4401	from	
2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	up to >	≤
																				6	7
																				7	8
12.5	12.5	12.5	12.5	12.5																8	9
12.5	12.5	12.5	12.5	12.5																9	10
16.0	16.0	16.0	16.0	16.0																10	12
16.0	16.0	16.0	16.0	16.0	16.0	16.0														12	15
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													15	20
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													20	25
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													25	30
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													30	35
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													35	40
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													40	45
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													45	50
16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.4													50	55
16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													55	60
16.0	16	15.4	14.9	14.4	13.9	13.5	13	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			60	65
15.4	14.9	14.3	13.8	13.4	12.9	12.5	12.1	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			65	70
14.4	13.8	13.4	12.9	12.5	12.1	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			70	75
13.5	13.0	12.5	12.1	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			75	80
15.6	15.0	14.5	14.0	13.5	13.1	12.5	12.3	12.0	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			80	85
14.7	14.2	13.6	13.2	12.7	12.3	11.9	11.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			85	90
14.5	13.9	13.4	12.9	12.5	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4			90	95
13.2	12.7	12.3	11.9	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.7	11.4	11.1			95	100
12.6	12.1	11.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.7	11.4	11.1	10.8	10.6			100	105
12.0	11.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.2	10.9	10.6	10.3	10.0			105	110
11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.2	10.9	10.6	10.3	10.1	9.8	9.6			110	115
11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.0	10.7	10.4	10.1	9.9	9.6	9.4	9.1			115	120
11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.1	10.8	10.4	10.1	9.8	9.5	9.3	9.0	8.8	8.6	8.3			120	130
11.4	11.4	11.4	11.4	11.4	10.9	10.6	10.2	9.9	9.6	9.3	9.0	8.8	8.5	8.3	8.1	7.9	7.7			130	140
11.4	11.4	11.4	11.2	10.7	10.1	9.8	9.5	9.2	8.9	8.6	8.4	8.1	7.9	7.7	7.5	7.3	7.1			140	150
11.4	11.2	10.8	10.4	10.0	9.4	9.1	8.8	8.5	8.3	8.0	7.8	7.6	7.3	7.1	6.9	6.8	6.6			150	160
10.9	10.5	10.1	9.7	9.4	8.8	8.5	8.2	8.0	7.7	7.5	7.3	7.1	6.8	6.7	6.5	6.3	6.1			160	170
10.3	9.9	9.5	9.1	8.8	8.3	8.0	7.7	7.5	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.9				170	180
9.7	9.3	8.9	8.6	8.3	7.8	7.5	7.3	7.0	6.8	6.6	6.4	6.2	6.0							180	190
9.1	8.8	8.4	8.1	7.8	7.3	7.1	6.8	6.6	6.4	6.2	6.0	5.8								190	200
8.6	8.3	8.0	7.7	7.4	6.9	6.7	6.5	6.2	6.0	5.9										200	210
8.2	7.9	7.6	7.3	7.0	6.6	6.3	6.1	5.9												210	220
7.8	7.5	7.2	6.9	6.6	6.2	6.0	5.8													220	230
7.3	7.0	6.7	6.5	6.2	6.0															230	240
7.0	6.7	6.4	6.2	5.9																240	250
6.7	6.4	6.1	5.9																	250	260
6.4	6.1	5.9																		260	270
6.1	5.9																			270	280
5.9																				280	290

Please also note the following for grades from this table:

On request only

Only an even number of plates with the maximum dimensions can be ordered. An uneven number of plates may often be possible when ordering shorter plate lengths. Please contact your representative at Dillinger.

- Maximum permissible minus tolerance is -0.4 mm for plates of less than 8 mm.
- Individual plates must have a length of more than 3,000 mm; not less than two plates of the same thickness and width must be ordered in the case of individual plate lengths of less than 3,000 mm.
- Further restrictions may apply, depending on the steel grade.

For individual advice, whether technical or commercial, please contact your representative at Dillinger.

Disclaimer:
The information and data provided concerning the quality and/or applicability of materials and/or products constitute descriptions only. Any and all promises concerning the presence of specific properties and/or suitability for a particular application shall in all cases be deemed to require separate written agreements.

Aktien-Gesellschaft der Dillinger Hüttenwerke
Werkstraße 1
D-66763 Dillingen/Saar
Phone: +49 6831 47-0
E-mail: info@dillinger.biz
www.dillinger.de

Status: 12/2024
Print: GBQ Saar mbH