

Erläuterungen siehe Rückseite/Explications voir au verso/See reverse for explanations (www.dillinger.de/certificate)

A02 INSPECTION CERTIFICATE 3.1 AS PER EN 10204:2004 INSPECTION CERTIFICATE 3.1 AS PER ISO 10474:2013 MATERIAL TEST REPORT (MTR)		A10 Advice of dispatch No./ Date of dispatch 703229-09.03.20	A08/ Manufacturer's order/ A03 Certificate No. 454886-001	Sheet 1/...
A05 Established inspecting body DH	A06 Purchaser LEPPINEN, YLISTARO Final receiver LEPPINEN, YLISTARO	A07.1 No. TL-407/20 A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design.	S690QL+DILLIMAX690T			
B03 Any suppl. requirements	EN-10025-6:09/DILLING-E04:16			

A01-A99 Further commercial information

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	B16 Agreed order amendment Dokument No.	Date
01	479542	89279-04	T-1-30JP5J	17.02.20

B01-B99 Description of the product

B14 Item No.	B08 Number of pieces	B09 Thickness	B10 Width	B11 Length	B12 Theoretical mass	B04 Product delivery condition	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	A09 Purchaser article number
			MM		KG				
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89278-01	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89278-02	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89278-03	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89278-04	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89279-01	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89279-02	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89279-03	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89279-04	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89280-01	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89280-02	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89280-03	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89280-04	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89281-01	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89281-02	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89281-03	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89281-04	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89283-01	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89283-02	
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89283-03	

A04 Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.



Manufacturer's mark

Ch. König

DR. CH. KÖNIG
Test House Manager



Inspector's stamp

AG der Dillinger Hüttenwerke
Postfach 1580, D-66748 Dillingen/Saar
Inspection department

A01

Date 09.03.20

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B02/ Steel design. B03 Any suppl. requirements	S690QL+DILLIMAX690T EN-10025-6:09/DILLING-E04:16			

B01-B99 Description of the product

B14 Item No.	B08 Number of pieces	B09 Thickness	B10 Width	B11 Length	B12 Theoretical mass KG	B04 Product delivery condition	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	A09 Purchaser article number
01	1	25,00	x 2450	x 6000	2885	Q+A	479542	89283-04	
**	20				57700				
***	20				57700				

B06 Marking of the product

ITEM NO.: 01
STEEL DESIGNATION **S690QL DILLIMAX690T**
HEAT NO. / TRADEMARK / ROLLED PLATE NO.-TEST NO. / INSPECTOR'S STAMP

C10-C29 Tensile test

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C10 MPA RP02	C11 REH	C12 RM	C13	A % L0=5D	C14-C15
01	479542	89278		K4	Q	RT	778		829		19	
01	479542	89281		K4	Q	RT		771	824		18	

C40-C49 Impact test

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C41 Width of test piece	C40 Type of test piece	C44 Testing method	C46 Energy Joule	C45	C42 Individual values AV=J	C43 Mean value
01	479542	89278		K4	QO	-40		CHP-V		750	AV 2	174 162 174	170
01	479542	89281		K4	QO	-40		CHP-V		750	AV 2	197 199 204	200

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DR. CH. KÖNIG
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B03 Any suppl. requirements	EN-10025-6:09/DILLING-E04:16			

C70-C99 Chemical composition % - Heat analysis

B07.2 Heat	C70	C	SI	MN	P	S	N	CU	MO	NI	CR	V	NB	TI	B	
479542	Y	0,141	0,291	1,458	0,013	0,0007	0,0032	0,021	0,070	0,044	0,119	0,001	0,017	0,013	0,0017	
B07.2 Heat	C70	ZR	AL-T													
479542	Y	0,0002	0,039													

C94 Heat analysis Carbon equivalent / Alloying restrictions

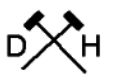


B07.2 Heat 479542	FO-02=	0,43	FO-51=	0,02	FO-C4=	0,30
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C94 Carbon equivalent formula / Alloying restrictions

FO-02 = $C + (MN/6) + (CR+MO+V) / 5 + (NI+CU) / 15$
 FO-51 = $V + NB$
 FO-C4 = $C + (MN+MO) / 10 + (CR+CU) / 20 + NI / 40$

D01 Marking and identification, surface appearance, shape and dimensional properties

ITEM NO. : 01
 EXAMINATION OF MARKING, SURFACE, SHAPE AND DIMENSIONS: THE RESULTS MEET THE REQUIREMENTS.
 SURFACE AS PER EN-10163-2 CLASS A SUBCLASS 3
 THICKNESS AS PER EN-10029:10-A
 LENGTH AND WIDTH AS PER EN-10029:10
 FLATNESS AS PER EN-10029:10-T4H

A04  Manufacturer's mark	Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.	 DR. CH. KÖNIG Test House Manager	 Inspector's stamp	AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar Inspection department	A01
		Date	09.03.20	PP	1

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B02/ Steel design.	S690QL+DILLIMAX690T			
B03 Any suppl. requirements	EN-10025-6:09/DILLING-E04:16			

D02 Non-destructive tests - Ultrasonic testing

ITEM NO. : 01

UT-SPECIFICATION : EN-10160 CLASS S1 AND E1
 SCANNING PLAN BODY : LONGITUDINALLY SCAN LINES SPACING 100 MM
 EDGES : 100 MM
 PERSONNEL QUALIFICATION : LEVEL 2 IN ACCORDANCE TO ISO 9712
 THE TEST RESULTS MEET THE REQUIREMENTS OF THE ORDER.

Z04 Environmental product declaration for structural steel

ITEM NO. : 01

For structural steel plates from Dillinger a validated environmental product declaration according to ISO 14025 and EN 15804 was established: EPD-BFS-20180116-IBG2-EN. Further information can be found under www.dillinger.de/EPD-E/.

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B02/ Steel design.	S690QL+DILLIMAX690T			
B03 Any suppl. requirements	EN-10025-6:09/DILLING-E04:16			

Z04 CE-marking

ITEM NO.: 01

 0769	EN 10025-1:2004 Plate S690QL / 1.8928 to be used in welded, bolted and riveted structures
DILLINGER  AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar 20 S690QL_EN10025-6-09_A_130701E1	Tolerance on dimensions and shape: Elongation Tensile strength Yield strength Impact strength Weldability Durability (chemical composition)

expressed as declared in the DoP

S690QL_EN10025-6-09_A_130701E1

The declaration of performance can be downloaded from www.dillinger.de/dop/S690QL_EN10025-6-09_A_130701E1.pdf

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