

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

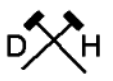


A02 INSPECTION CERTIFICATE 3.1 AS PER EN 10204:2004 INSPECTION CERTIFICATE 3.1 AS PER ISO 10474:2013 MATERIAL TEST REPORT (MTR)		A10 Advice of dispatch No./ Date of dispatch  735617-09.04.21	A08/ Manufacturer's order/ A03 Certificate No.  465990-002	Sheet  1/...
A05 Established Inspecting body DH	A06 Purchaser LEPPINEN, YLISTARO  Final receiver LEPPINEN, YLISTARO	A07.1 No. TL-535/21  A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design. B03 Any suppl. requirements	DILLIMAX690T/S690QL DILLING-04:20/EN-10025-6:19			

**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									
03	1	20,00	x 2450	x 6000	2308	Q+A	489465	99041-03	
03	1	20,00	x 2450	x 6000	2308	Q+A	489465	99041-04	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05659-01	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05659-02	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05659-03	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05660-01	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05660-02	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05660-03	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05662-01	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05662-02	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05662-03	
03	1	20,00	x 2450	x 6000	2308	Q+A	490424	05662-04	
**	12				27696				
07	1	100,00	x 2450	x 5000	9616	Q+A	490485	07477-02	
07	1	100,00	x 2450	x 5000	9616	Q+A	490485	07477-03	
**	2				19232				
***	14				46928				

**B06 Marking of the product**

ITEM NO.: 01,03,07  
 STEEL DESIGNATION **DILLIMAX690T S690QL**  
 HEAT NO. / TRADEMARK / ROLLED PLATE NO.-TEST NO. / INSPECTOR'S STAMP

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.	 B. BALDAUF Test House Manager	 Inspector's stamp	AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar Inspection department	A01
		Date 09.04.21	MM 1		

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A05 Established inspecting body DH	A06 Purchaser LEPPINEN, YLISTARO  Final receiver LEPPINEN, YLISTARO	A07.1 No. TL-535/21  A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design.	<b>DILLIMAX690T/S690QL</b>			
B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

**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 REH	C11 RP02	C12 RM	C13	A % LO=5D	C14-C15
01	490424	05684 *		K4	Q	RT	841		864		17	
03	489465	99041		K4	Q	RT	834		870		17	
03	490424	05659		K4	Q	RT	806		834		18	
07	490485	07477		K4	Q	RT		774	840		16	

**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	490424	05684 *		K4	LO	-40		CHP-V		750	AV 2	142 132	123 132
03	489465	99041		K4	LO	-40		CHP-V		750	AV 2	147 160	127 145
03	490424	05659		K4	LO	-40		CHP-V		750	AV 2	144 154	160 153
07	490485	07477		K4	LV	-40		CHP-V		750	AV 2	180 170	178 176

**C70-C99 Chemical composition % - Heat analysis**

B07.2 Heat	C70	C	SI	MN	P	S	N	CU	MO	NI	CR	V	NB	TI	B
489465	Y	0,171	0,483	1,565	0,012	0,0006	0,0029	0,036	0,020	0,031	0,061	0,001	0,021	0,014	0,0016
490424	Y	0,174	0,482	1,550	0,012	0,0004	0,0036	0,022	0,008	0,029	0,034	0,001	0,022	0,013	0,0014
490485	Y	0,164	0,294	1,308	0,012	0,0005	0,0040	0,020	0,265	0,207	0,659	0,002	0,024	0,004	0,0012

B07.2 Heat	C70	ZR	AL-T
489465	Y	0,0002	0,040
490424	Y	0,0002	0,037
490485	Y	0,0002	0,080

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 Manufacturer's mark		B. BALDAUF Test House Manager	Inspector's stamp	Date 09.04.21	MM 1

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B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

**C94 Heat analysis Carbon equivalent / Alloying restrictions**

B07.2 Heat	FO-02=	FO-51=	FO-A1=	FO-C4=
489465	0,45	0,02	14	0,34
490424	0,44	0,02	10	0,33
490485	0,58	0,03	20	0,36

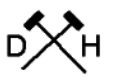


**C94 Carbon equivalent formula / Alloying restrictions**

FO-02 =  $C + (MN/6) + (CR+MO+V)/5 + (NI+CU)/15$   
 FO-51 =  $V + NB$   
 FO-A1 =  $AT/N$   
 FO-C4 =  $C + (MN+MO)/10 + (CR+CU)/20 + NI/40$

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

**ITEM NO.: 01,03**  
 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-T5H

**ITEM NO.: 07**  
 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

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		Date 09.04.21	MM 1		

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B02/ Steel design.	<b>DILLIMAX690T/S690QL</b>			
B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

**D02 Non-destructive tests - Ultrasonic testing**

**ITEM NO.: 01,03,07**

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.: 01,03,07**

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/](http://www.dillinger.de/EPD-E/).

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.

B. BALDAUF  
Test House Manager



Inspector's stamp

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

A01

Date 09.04.21



MM 1

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B02/ Steel design.	<b>DILLIMAX690T/S690QL</b>			
B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

**Z04 CE-marking**

ITEM NO.: 01,03,07

  0769	<b>EN 10025-1:2004</b>  <b>Plate S690QL / 1.8928</b>  to be used in welded, bolted and riveted structures
<b>DILLINGER</b>   AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar  21  <b>S690QL_EN10025-6-19_A_200201E1</b>	Tolerance on dimensions and shape:  Elongation  Tensile strength  Yield strength  Impact strength  Weldability  Durability (chemical composition)
expressed as declared in the DoP  <b>S690QL_EN10025-6-19_A_200201E1</b>	

The declaration of performance can be downloaded from [www.dillinger.de/dop/S690QL\\_EN10025-6-19\\_A\\_200201E1.pdf](http://www.dillinger.de/dop/S690QL_EN10025-6-19_A_200201E1.pdf)

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 Manufacturer's mark		Date 09.04.21		MM 1	