

**QM-System: Certification as per ISO 9001**



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	A08/ Manufacturer's order/ A03 Certificate No.	Sheet
A05	Established Inspecting body DH	760347-22.12.21	470175-003	1/...	
A06	Purchaser BE GROUP OY AB, LAHTI	A07.1 No.	P090401	B01 Product	
A07	Final receiver BE GROUP OY AB, TURKU	A07.2 No.		HEAVY PLATES	

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

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 Test No.	A09 Purchaser article number
01	1	20,00	x 2450	x 6000	KG	Q+A	496796	58176-03	2100922620
***	1				2352				

**B06 Marking of the product**  
**ITEM NO. : 01**  
 STEEL DESIGNATION **DILLIMAX690T S690QL**  
 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 Test No.	B05 Reference (heat) treatment	C01 C02/ C03 Temp. GR.C	C10 C11 MPA REH	C12 RM	C13	C14-C15	
01	496796	58173 *	K4 Q	RT	859	892			

C40-C49 Impact test										
B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate Test No.	B05 Reference (heat) treatment	C01 C02/ C03 Temp. GR.C	C40 Type of test piece	C41 Width of test piece	C44 Testing method	C45 Energy Joule	C42 Individual values AV=J	C43 Mean value
01	496796	58173 *	K4 LO	-40	CHP-V			750	AV 2 117	124
									116 139	

C70-C99 Chemical composition % - Heat analysis														
B07.2 Heat	C	SI	MN	P	S	N	CU	MO	NI	CR	V	NB	TI	B
496796	Y	0,184	0,479	1,548	0,012	0,0005	0,0048	0,023	0,005	0,035	0,028	0,001	0,023	0,0016

A04		Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.		AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar Inspection department	Inspector's stamp	Date	27.12.21	MM	1
	Manufacturer's mark		B. BALDAUF Test House Manager						

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	INSPECTION CERTIFICATE 3.1 AS PER ISO 10474:2013			760347-22.12.21	2 / ...
	MATERIAL TEST REPORT (MTR)				
A05	Established Inspecting body DH	A06 Purchaser BE GROUP OY AB, LAHTI	A07.1 No.	P090401	
		Final receiver BE GROUP OY AB, TURKU	A07.2 No.		

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

<b>B07.2</b>	<b>C70</b>	<b>ZR</b>	<b>AL-T</b>
Heat	Y	0,0002	0,041

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

<b>B07.2</b>	Heat	FO-02=	0,45	FO-51=	0,02	FO-A1=	9	FO-C4=	0,34
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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-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**

EXAMINATION OF MARKING, SURFACE, SHAPE AND DIMENSIONS: THE RESULTS MEET THE REQUIREMENTS.

SURFACE AS PER EN-10163-2 CLASS B SUBCLASS 3

THICKNESS AS PER EN-10029:10-A

LENGTH AND WIDTH AS PER EN-10029:10

FLATNESS AS PER EN-10029:10-T5H

**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

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				Inspector's stamp			
	Manufacturer's mark	B. BALDAUF Test House Manager					

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A05 DH	Established inspecting body A06 Purchaser BE GROUP OY AB, LAHTI A07.1 No. P090401	B01 Product HEAVY PLATES		

B02/ B03	Steel design. <b>DILLIMAX690T/S690QL</b> Any suppl. DILLING-04:20/EN-10025-6:19 requirements			
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**D02 Non-destructive tests - Ultrasonic testing**

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/](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*

B. BALDAUF  
Test House Manager



Inspector's stamp

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

Date 27.12.21

MM 1

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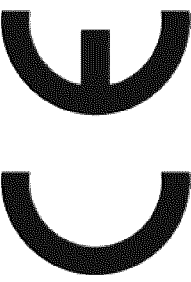

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		Final receiver BE GROUP OY AB, TURKU	A07.2 No.		

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**Z04 CE-marking**

ITEM NO.: 01

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

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

 Manufacturer's mark	 AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar Inspection department	Inspector's stamp Date 27.12.21	MM 1
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