

C E R T I F I C A T E

Päiväys: 26.9.2023

Meidän tilausnumero: 0930146
Asiakkaan tilausnumero: 009501

TAMMINIITTY OY
ATT: AINE
KETJUTIE 4
FI-27710 KÖYLIÖ

Rivi	Tuote	Kuvaus	Viite	Sulatusnumero
1	2100923645	DILLIMAX 690 T 50X2450X6000 MM (CE)		529539 81655 02

Pyydetyt todistukset yllä oleville tilauksille lähetetään teille.

BE Group Oy Ab
PL 54 Laiturikatu 2
FI-15101 LAHTI

Puhelinnumero: +358 3 825200
Faksinumero:

certificates@begroup.fi

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 820839-31.07.23	A08/ Manufacturer's order/ A03 Certificate No. Sheet 489723-001 1/...
A05 Established inspecting body DH	A06 Purchaser BE GROUP OY AB, LAHTI Final receiver BE GROUP OY AB, LAPUA	A07.1 No. P106539 A07.2 No.	B01 Product HEAVY PLATES
B02/ Steel design. DILLIMAX690T/S690QL			
B03 Any suppl. requirements 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						
01	1	50,00	x 2450	x 6000	5880	Q+A	529539	81655-01	2100923645
01	1	50,00	x 2450	x 6000	5880	Q+A	529539	81655-02	2100923645
**	2				11760				
***	2				11760				

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

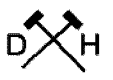


B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate No./ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C10 MPA RP02	C11	C12 RM	C13	A % L0=5D	C14-C15
01	529539	81655		K4	Q	RT	724		800		17	

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 AV 2	C42 Individual values AV=J	C43 Mean value
01	529539	81655		K4	LV	-40		CHP-V		750	AV 2	172 178 180	177

C70-C99 Chemical composition % - Heat analysis

B07.2 Heat	C70	C	SI	MN	P	S	N	CU	MO	NI	CR	V	NB	TI	B
529539	Y	0,166	0,296	1,313	0,011	0,0010	0,0048	0,026	0,212	0,114	0,307	0,002	0,024	0,004	0,0013

 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	31.07.23	MM	1

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 820839-31.07.23	A08/ Manufacturer's order/ A03 Certificate No. 489723-001	Sheet 2/...
A05 Established Inspecting body DH	A06 Purchaser BE GROUP OY AB, LAHTI Final receiver BE GROUP OY AB, LAPUA	A07.1 No. P106539 A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design. B03 Any suppl. requirements	DILLIMAX690T/S690QL DILLING-04:20/EN-10025-6:19			

C70-C99 Chemical composition % - Heat analysis

B07.2 Heat	C70	ZR	AL-T
529539	Y	0,0002	0,076

C94 Heat analysis Carbon equivalent / Alloying restrictions

B07.2 Heat	FO-02=	FO-51=	FO-A1=	FO-C4=
529539	0,50	0,03	16	0,34

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-T4H

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 ACC.TO ISO 9712 OR SNT-TC-1A

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	31.07.23	MM	1

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 820839-31.07.23	A08/ Manufacturer's order/ A03 Certificate No. 489723-001	Sheet 3/...
A05 Established Inspecting body DH	A06 Purchaser BE GROUP OY AB, LAHTI Final receiver BE GROUP OY AB, LAPUA	A07.1 No. P106539 A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design.	DILLIMAX690T/S690QL			
B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

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/.

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 31.07.23




MM 1

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 820839-31.07.23	A08/ Manufacturer's order/ A03 Certificate No. 489723-001	Sheet 4
A05 Established Inspecting body DH	A06 Purchaser BE GROUP OY AB, LAHTI Final receiver BE GROUP OY AB, LAPUA	A07.1 No. P106539 A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design.	DILLIMAX690T/S690QL			
B03 Any suppl. requirements	DILLING-04:20/EN-10025-6:19			

Z04 Conformity marking

ITEM NO.: 01

 0769	 0836	EN 10025-1:2004 Plate S690QL / 1.8928 to be used in welded, bolted and riveted structures
 AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar 23 S690QL_EN10025-6-19_A_230101E1		Tolerance on dimensions and shape: Elongation Tensile strength Yield strength Impact strength Weldability Durability (chemical composition)
expressed as declared in the DoP S690QL_EN10025-6-19_A_230101E1		

The declaration of performance can be downloaded from www.dillinger.de/dop/S690QL_EN10025-6-19_A_230101E1.pdf

A04	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
 Manufacturer's mark		Date	31.07.23	MM	1