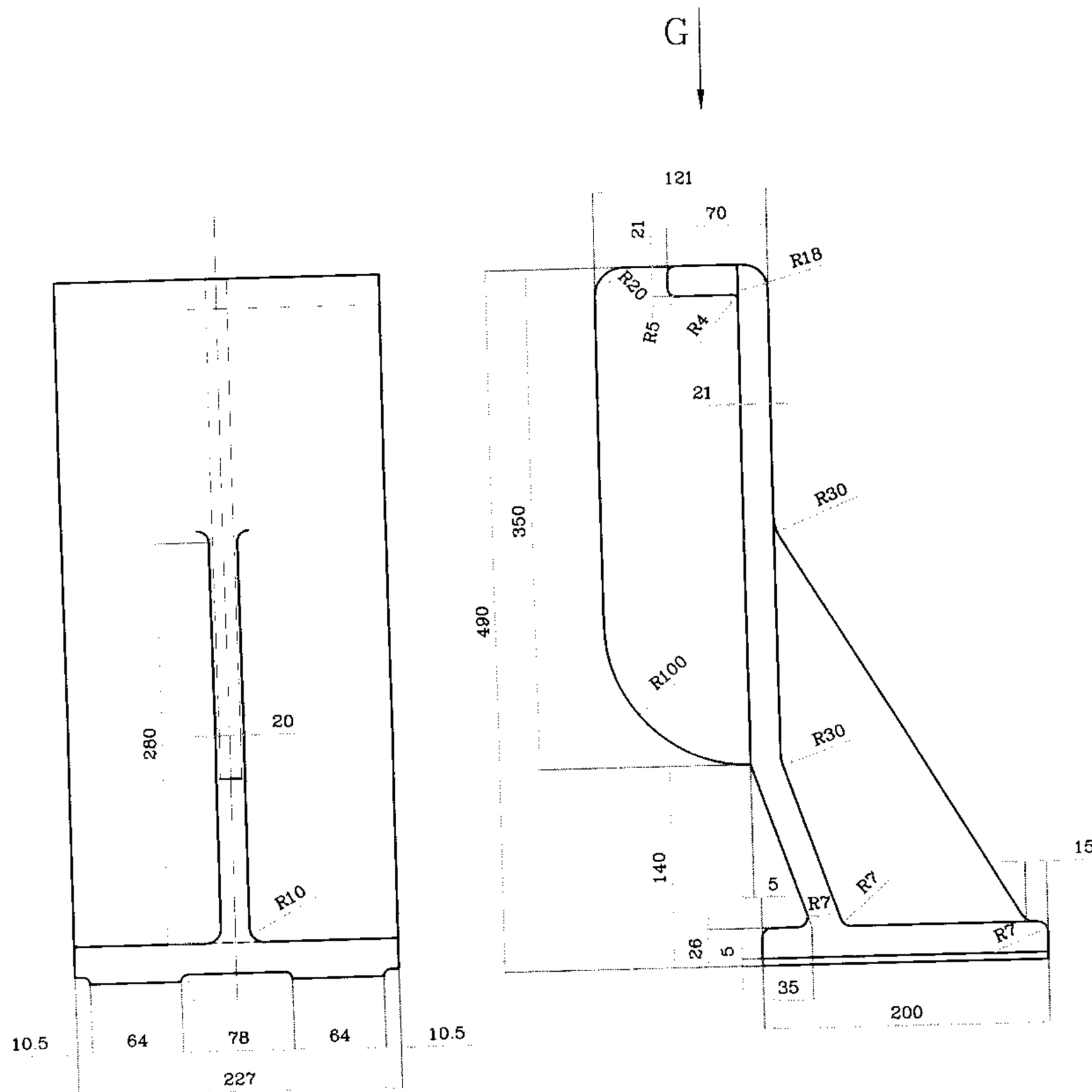


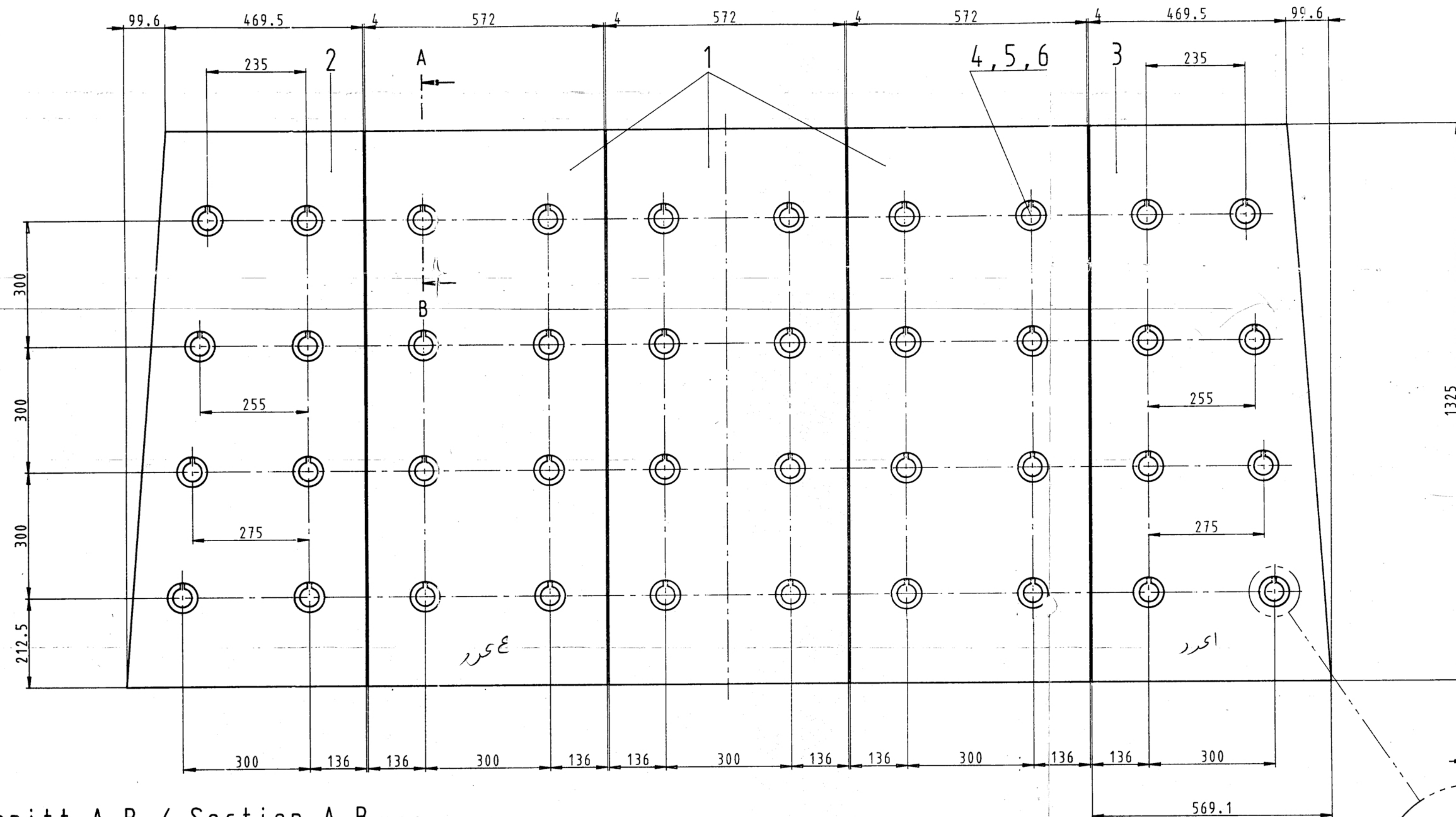


VIEW G

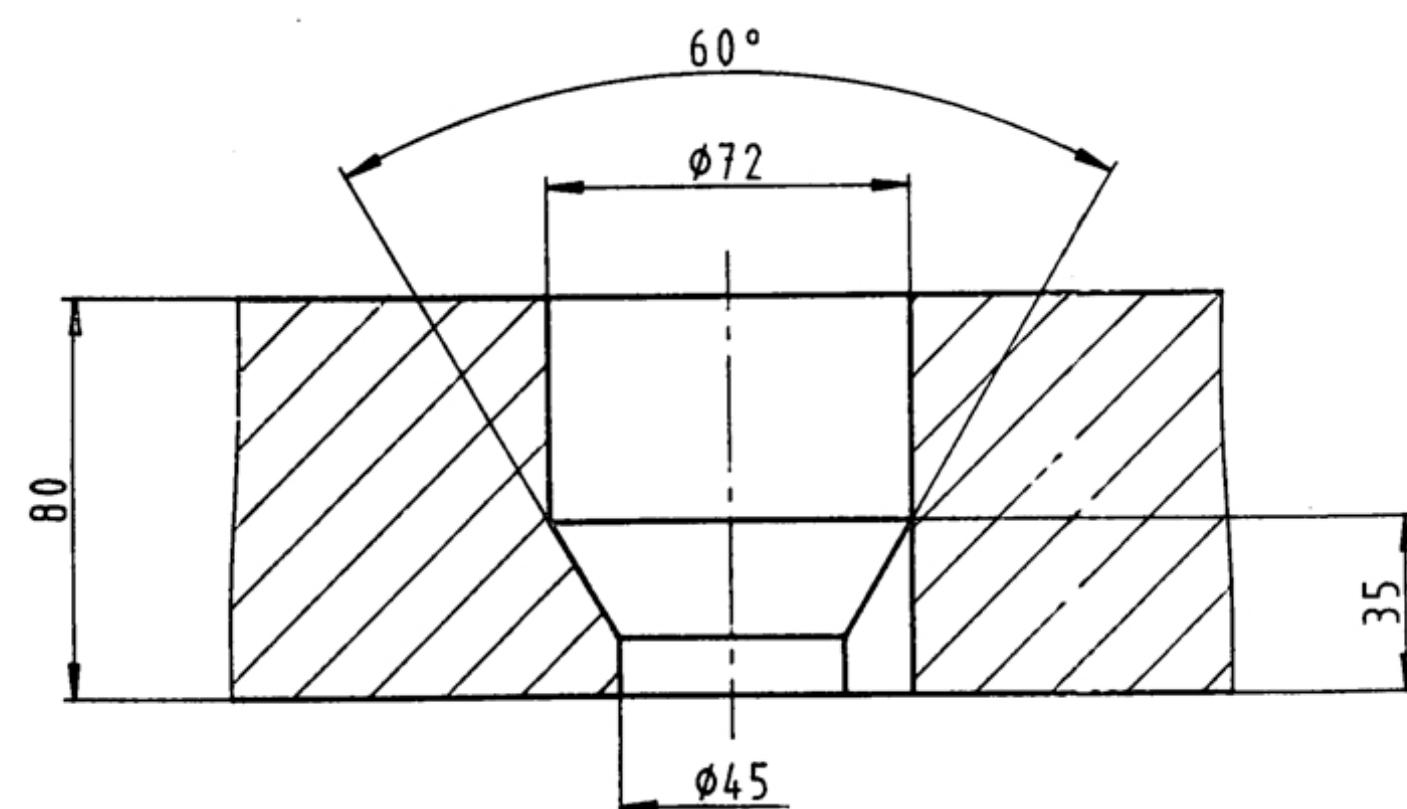
dwg no(F.L.S)2.054827

Name:		Date:	Company:		REV		
Prep. By:		91/12/15	QAEN CEMENT CO.		NO	DATE	sign
Drawn By:	Nasrollahi	92/2/29			1	92/2/29	
Checked By:	Seyedzadeh						
Drawing No:			Part Name:				
2/10/001-1			sector of heat resistant cast steel				
Scale:	Mat: 344	Weight: 37kg	Qan: 15				

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Schnitt A-B / Section A-B M 1:2
um 90° gedreht / turned by 90°



جنس : 1.3401

باسمہ خداداد

ISO/ 128
Methode E

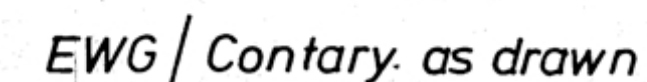
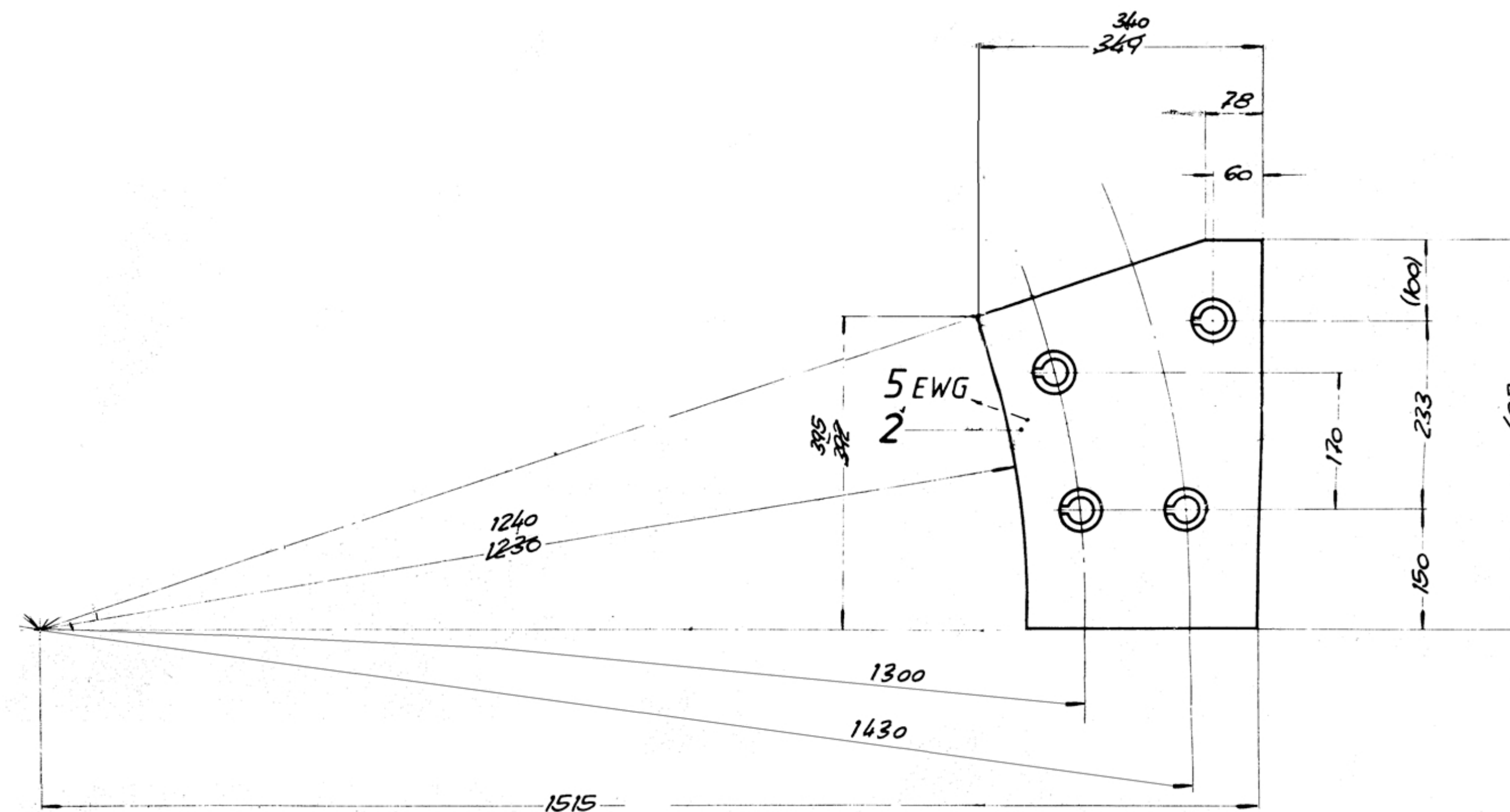
Werkstoffkennzeichen ohne Angabe nach: DIN 6784
Chamfers v/o dimension as per:
Aussenkante: -0.5 Innenkante: +0.5
outer edge: -0.3 inner edge: +0.3

Aussengewinde bis auf Kern-Ø
Gewindebohrung bis auf Gewinde-Ø
unter 45° angesenkt.
Chamfers v/45deg:
external thread: down to core dia
internal thread: up to thread dia

Brennschmelze II B DIN 2319
flame cutting per DIN 2310 class IIB

Oberflächenrauhheit Vorzugsreihe vereinf. Eintragung	frühere Oberfl.- zeichen
Surface roughness selected range simplified symbol	old symbol
✓ = beliebig optional	~
√ x = √ Rz=100	▽
√ y = √ Rz=25	▽▽
√ z = √ Rz=6.3	▽▽▽

780301PTR 01		84135								3.01.84135.4			CD2																
Code-Nr.		Typ		A		B		C		D		E		Werkst.-Nr.															
Frei von Toleranzen für Servicekonstruktionen für nichttoleranz validierte Komponenten siehe DIN 9136				Masse ohne Toleranzangabe, Dia. v/o Tolerances DIN 7168-m				Oberfl.-Angabe n.: DIN/ISO Dia. f. roughness per: 1302 Rauheitsmessgr.: roughness c: f RzDIN4768				Werkstoff/Material Rohrteil-Nr./Blank No Modell-Nr./Pattern No				Gewicht Weight 1938.0													
								Datum				Name				Benennung/Description		Massfab Scale											
								Bearb./Prepared				09.08.89				RODB.				PANZERUNG VORDERWAND-AUFSETZKASTEN		1:7.5							
								Gepr./Checked				18.08.89				BECK				LINING FRONT WALL HEAD PIECE		1:2							
								Norm/St. Check				21.08.89				HÖHER													
Passmass/Dim.				Abmass/Tol.								Bearb./Abt./Prep. by				dept ASA320				Sach-Nr		2		Blatt Sheet 1					
7 0 2				1 4 50																Part No		1860199		F.K. Size		1 Blatt Sheet			
Typ				BG				Ch																					
				203				MP				Ind.				Aend.-Nr. Change No				Datum Date				Name					
												Urspr./Origin				Ers.fuer/Replacing				Ers.durch/Replaced by									



Sämtliche Maße für Gußausführung, Toleranzbereich $\pm 15\text{mm}$, Auflageflächen $\sim$

surface data acc. to DIN-ISO 1302 Rz acc. to DIN 4768 Rz acc. to DIN 4768	Burrs to be removed from all edges and corners acc. A 2 to 2 DIN 6784 part 1, External threads up to core-dia. Lowered to less than 45° Flame cuts II B DIN 2310.	Material: 1.5, 1.25 Gewicht (kg): 1993,7 für diese Zeichnung haben wir uns die Rechte vor, auch für den Fall der Weiterverbreitung dieser Zeichnung unsere Rechte vorbehalten. Die Rechte an dieser Zeichnung sind Eigentum der Firma... Alle Rechte vorbehalten. Nachdruck, Vervielfältigung und Verbreitung, auch auszugsweise, ist ohne schriftliche Genehmigung der Firma... Datum: 30.08.2004 Unterschrift: [Signature] Name: [Name]
welded structure DIN 8570 B master gauge for holes and connecting dimensions DIN 7168 f	dimensions without tolerance data mean DIN 7168	Benennung: Weaving ring - upper part Verschleißring- 1065 087 T 2-5 (1) 1065 087 T 2-5 (1) Zeichnung: [Signature] Index: 0 Fertigt durch: [Signature]

surface data acc. to DIN-ISO 1302
measuring size of roughness
Rz acc. to DIN 4768

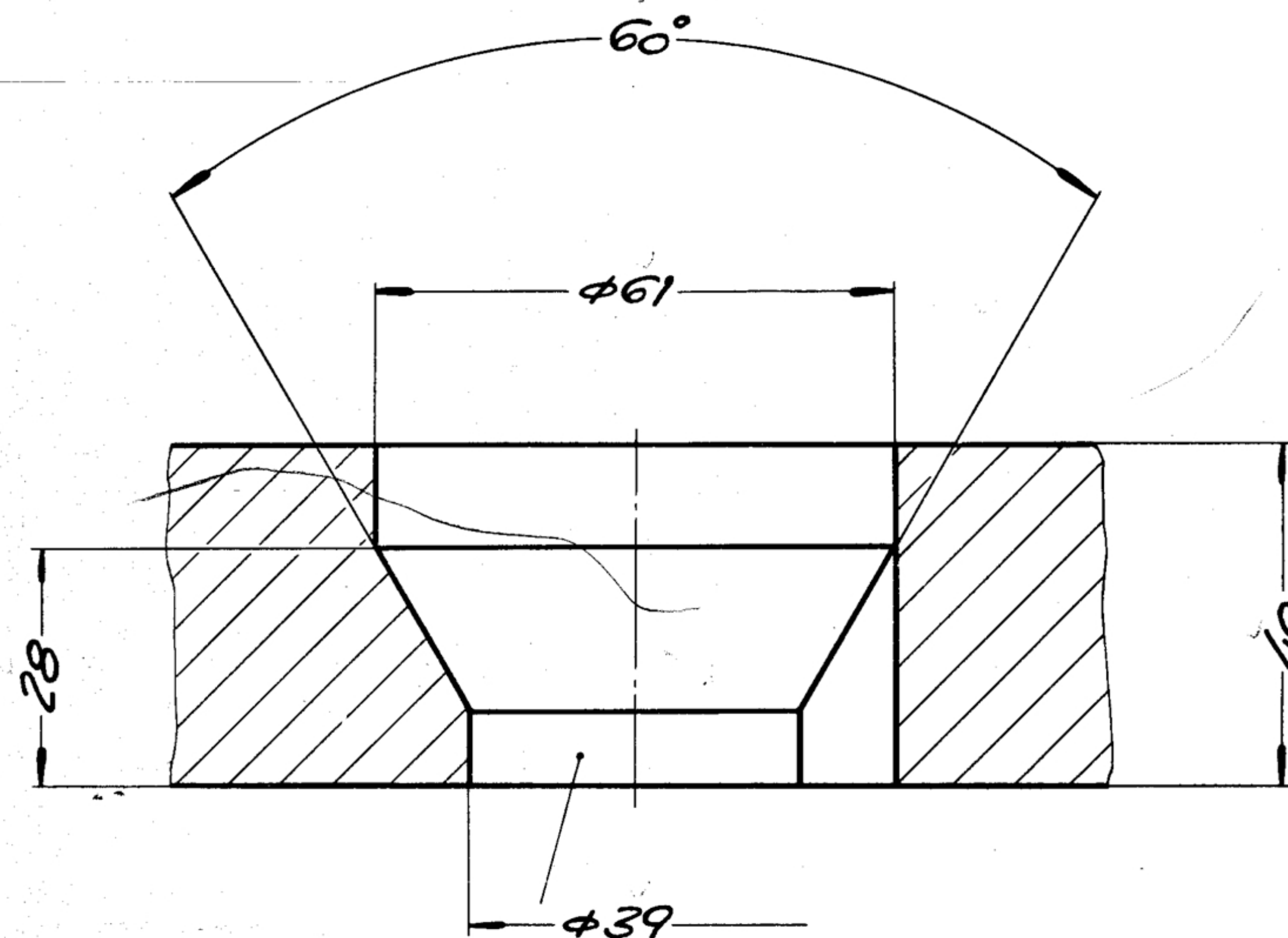
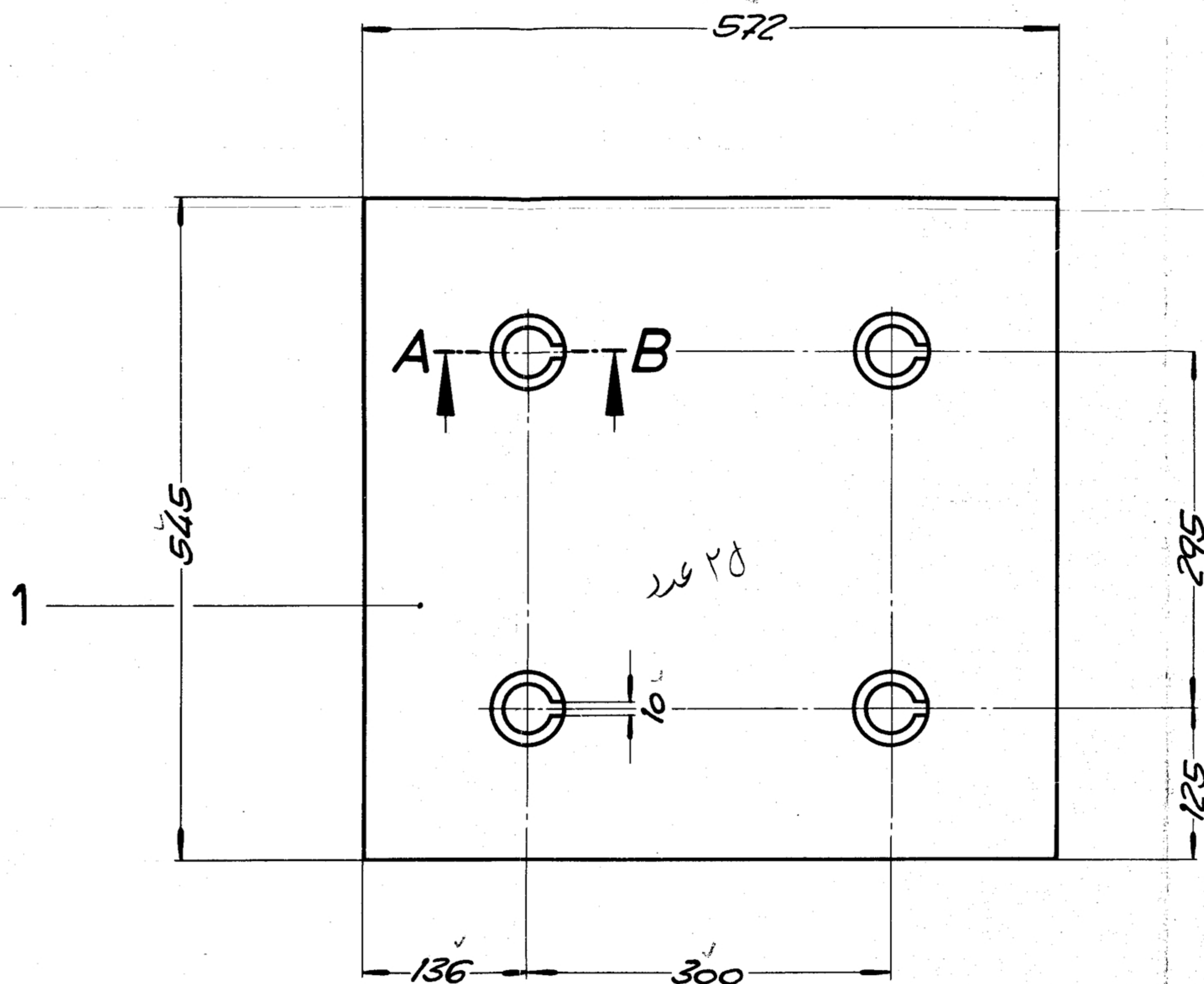
Burrs to be removed from all edges and corners acc. to
A 2 ID 2 DIN 6784 part 1. External threads up to core-dia.
Lowered to less than 45°
Flame cuts II B DIN 2310.

welded structure DIN 8570 B
master gauge for holes and connecting
dimensions DIN 7168 f

dimensions without
tolerance data
mean DIN 7168

1013609

Schnitt A-B M1:1



all dimensions for casted items tolerance $\pm 1,5$ mm
contact surface ~

جنس : 1.3401

لایر سنگ شکن آهک

1013609

3.01.84/110.2-7088(3)

Sämtliche Maße für Gußausführung.
Toleranzbereich $\pm 1,5$ mm
Auflageflächen ~

702/02
780301PA 01 84110

203

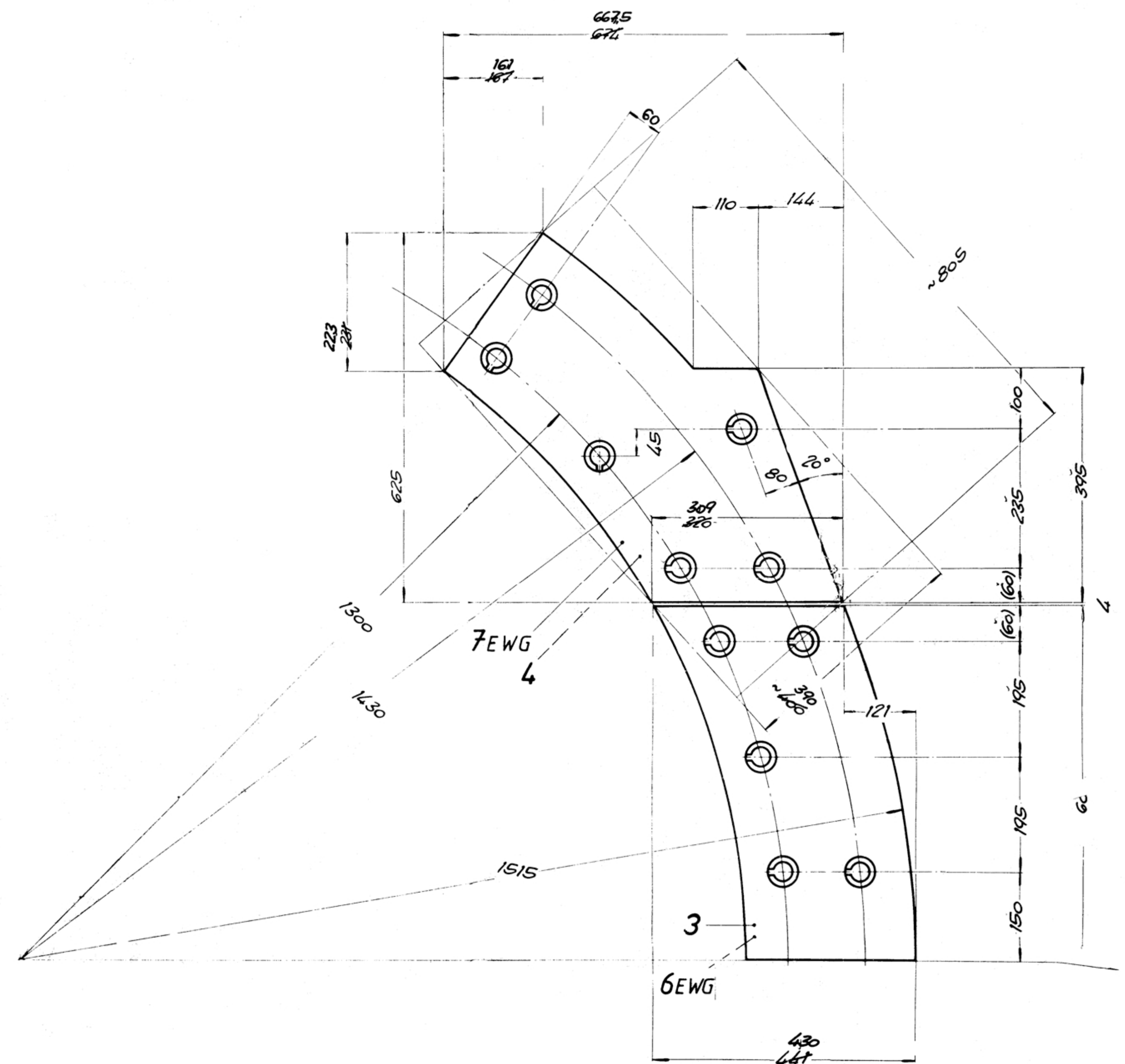
Ch.50

3 Engl. nachgetr.		7.8.89	Gewicht (kg)		Werkstoff
2 Pos. 2-4 erg. + Gew. geändert		25.2.85	103,8		
1 Charakter geändert		8.3.82			
Index	Änderung	Tag	Name		
1976					
Gezeichnet	16.09.				
Geprüft	22.10.74				
Gesehen					
Maßstab	1:5	1:1	Benennung: lining back wall		
Paßmaß	Abmaße	Maße ohne Toleranzangabe DIN 7168 mittel			
Mikroverfilm		Oberfläch. Klasse Rt µm			
Index	0 1 2	N 11 100			
Jahr	78 82 85	N 8 16			
		N 6 4			
		Anders ausgeführte Oberflächen sind gesondert gekennzeichnet			
		Blattzahl: 1		Blatt: 1	
		Ersatz für:		Ersetzt durch:	
		Entstanden aus:			

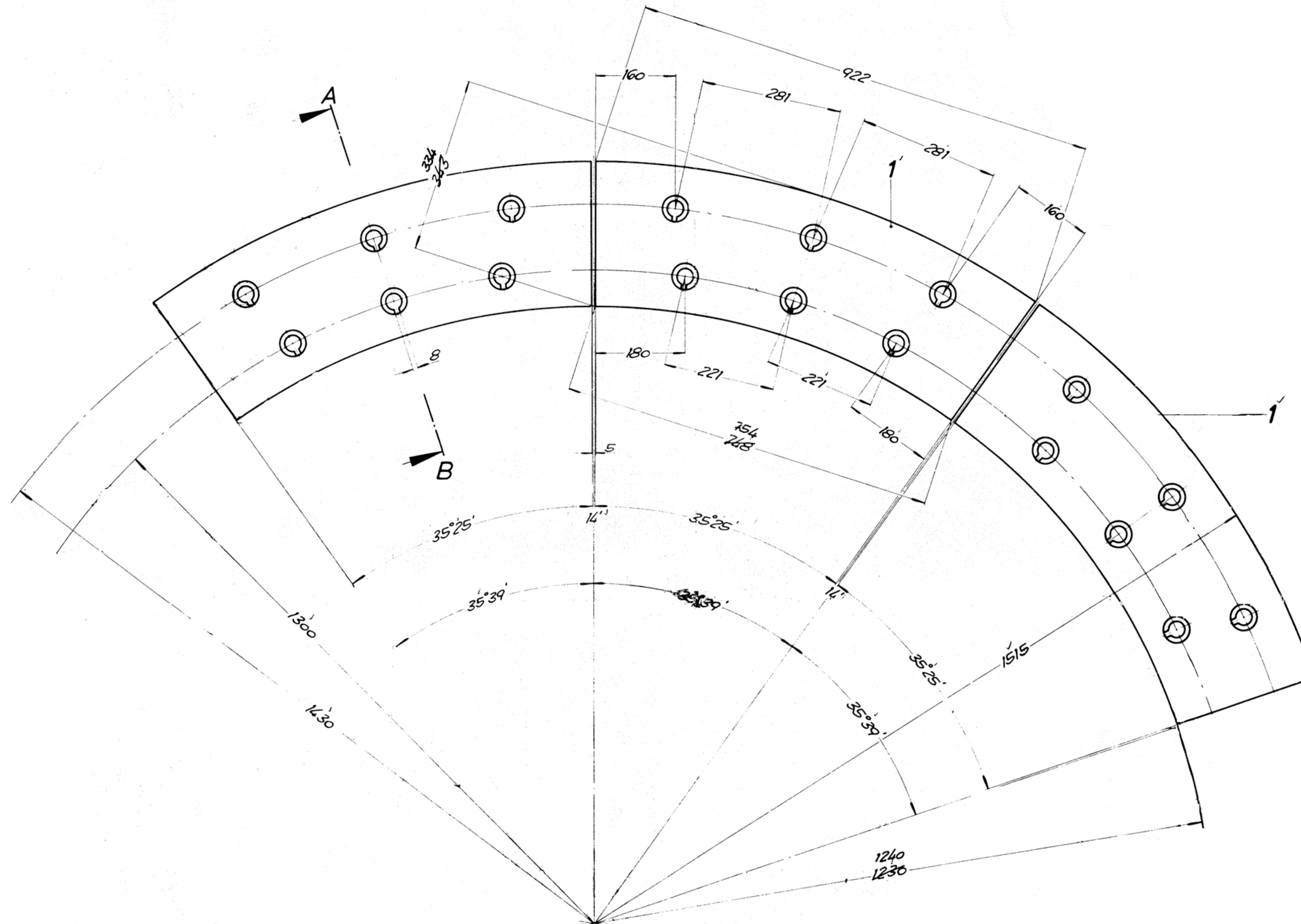
O&K Orenstein & Koppel
Aktiengesellschaft

1084940

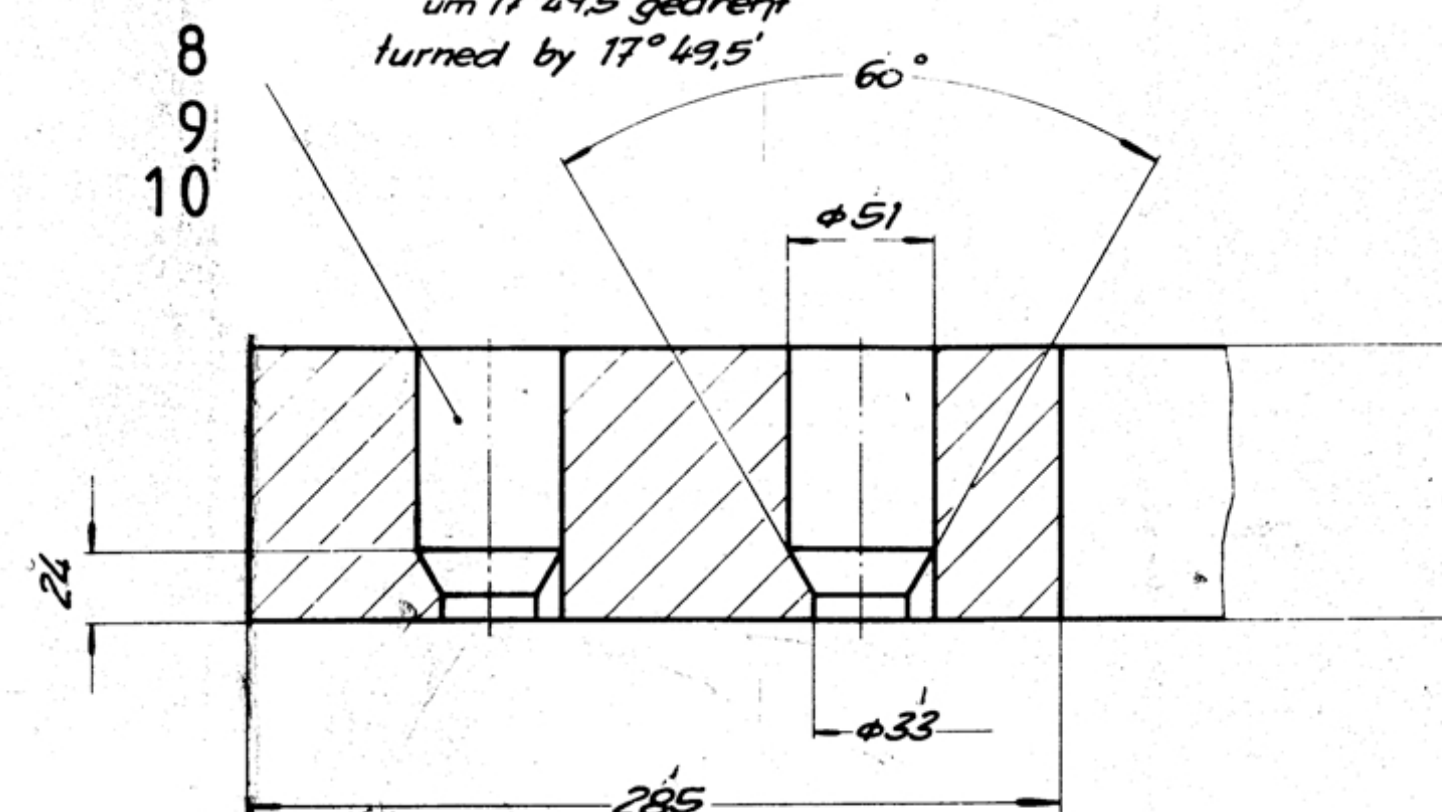
Zeichnungs-Nr.
1013609(3)



surface data acc. to DIN-ISO 1302 measuring size of roughness Rz acc. to DIN 4768		Burrs to be removed from all edges and corners acc. A 2 ID 2 DIN 6796 part 1. External threads up to core-dia. Flowed to less than 45° Flame cuts II B DIN 2310.		dimensions without tolerance data mean DIN 7168	
welded structure DIN 8570 B master gauge for holes and connecting dimensions DIN 7168 f					
70-102 84135-1515-00-123000, 9000		ch 50			
70-102 84135-1515-00-123000, 9000		ch 50			



section
Schnitt A-B M1:25
um 17°49,5' gedreht
turned by 17°49,5'



EWG / Contary. as drawn

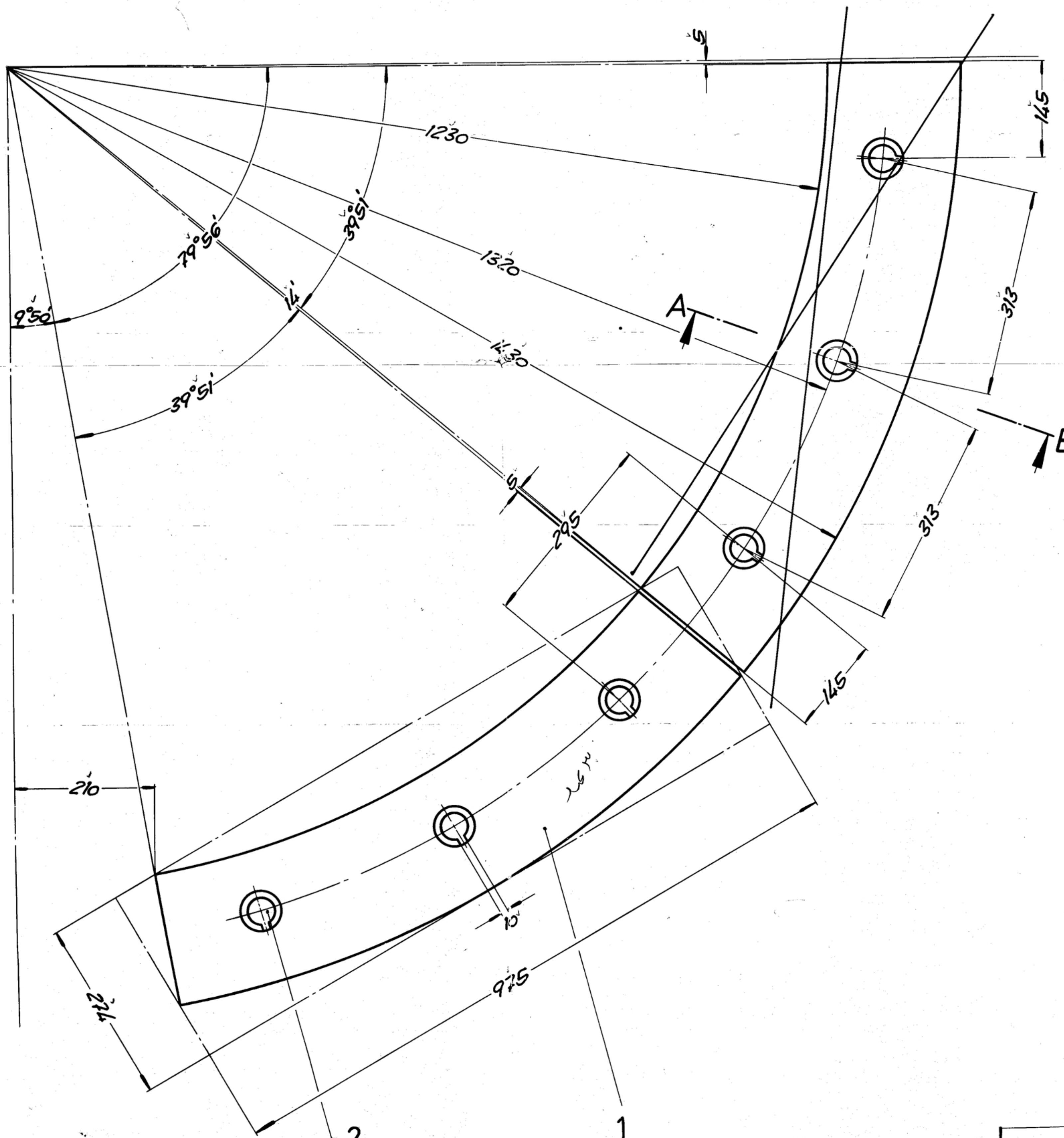
all dimensions for casted items tolerance range $\pm 1,5\text{mm}$
contact surface ~

Sämtliche Maße für Gussausführung, Toleranz -
bereich $\pm 1,5\text{mm}$, Auflageflächen ~

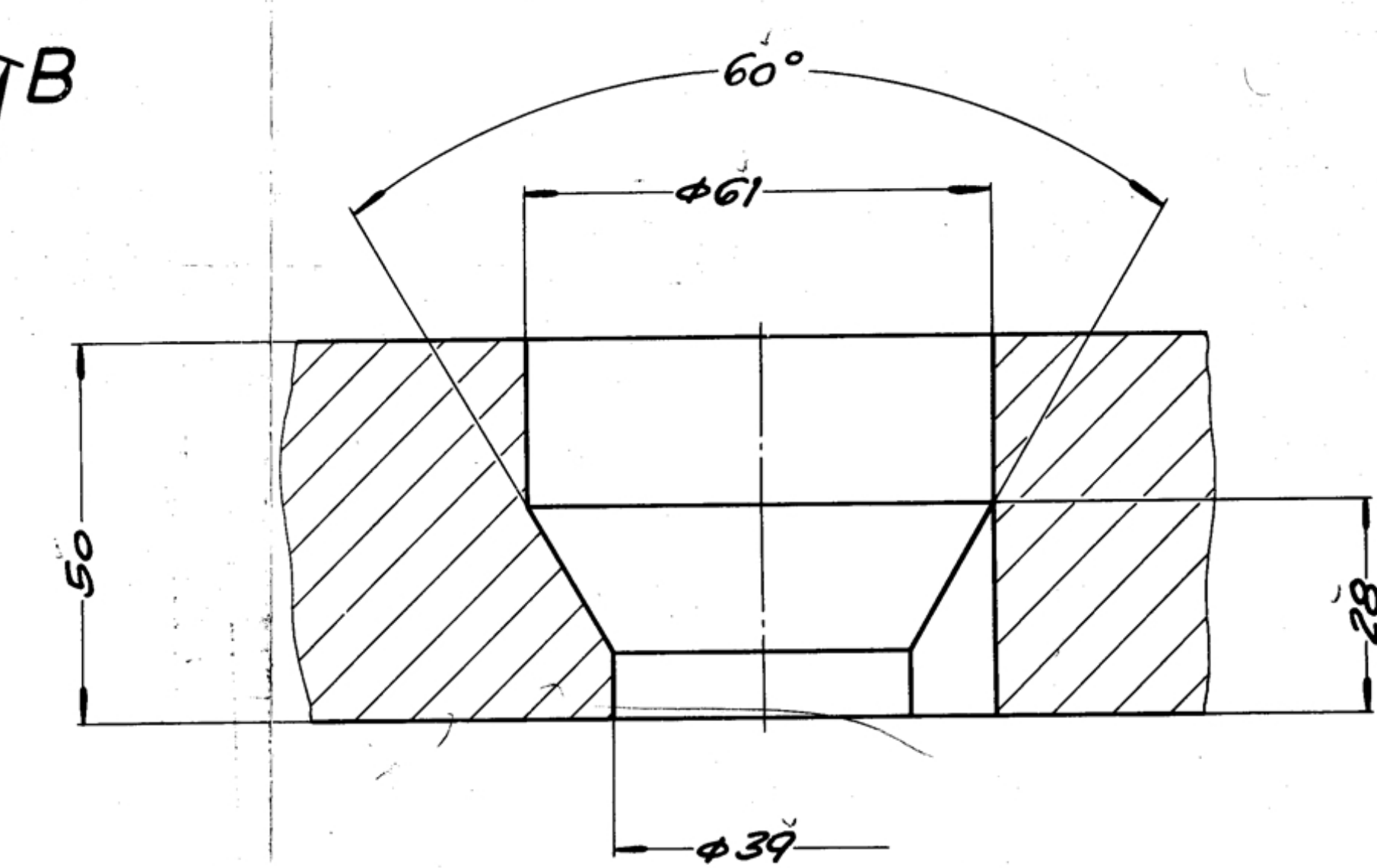
جنس : 1.3401

surface data acc. to DIN-ISO 1302 measuring size of roughness Rz acc. to DIN 4768	Burrs to be removed from all edges and corners acc. to A 2 ID 2 DIN 6784 part 1. External threads up to core-dia. Lowered to less than 45° Flame cuts II B DIN 2310.	dimensions without tolerance data mean DIN 7168
welded structure DIN 8570 B master gauge for holes and connecting dimensions DIN 7168 f		
702102	84135151500438000 9000	ch.50

Maße ohne Toleranzangabe DIN 7168 mittel	Charakterist. Klasse Rz µm N 11 150 N 8 15 N 6 5 N 4 1	Modul 1:5 1:25 Gewicht 1993,7
3.01.84 135.2	27.11.2024	Benennung wearing ring - upper part
3.01.84 135.2	27.11.2024	Verschleißring -
3.01.84 135.2	27.11.2024	Oberteil
3.01.84 135.2	27.11.2024	1065087 T-1 (1)



section
Schnitt A-B M1:1



surface data acc. to DIN-ISO 1302
measuring size of roughness
Rz acc. to DIN 4768

Burrs to be removed from all edges and corners acc. to
A 2 ID 2 DIN 6784 part 1. External threads up to core-dia.
Lowered to less than 45°
Flame cuts II B DIN 2310.

welded structure DIN 8570 B
master gauge for holes and connecting
dimensions DIN 7168 f

dimensions without
tolerance data
mean DIN 7168

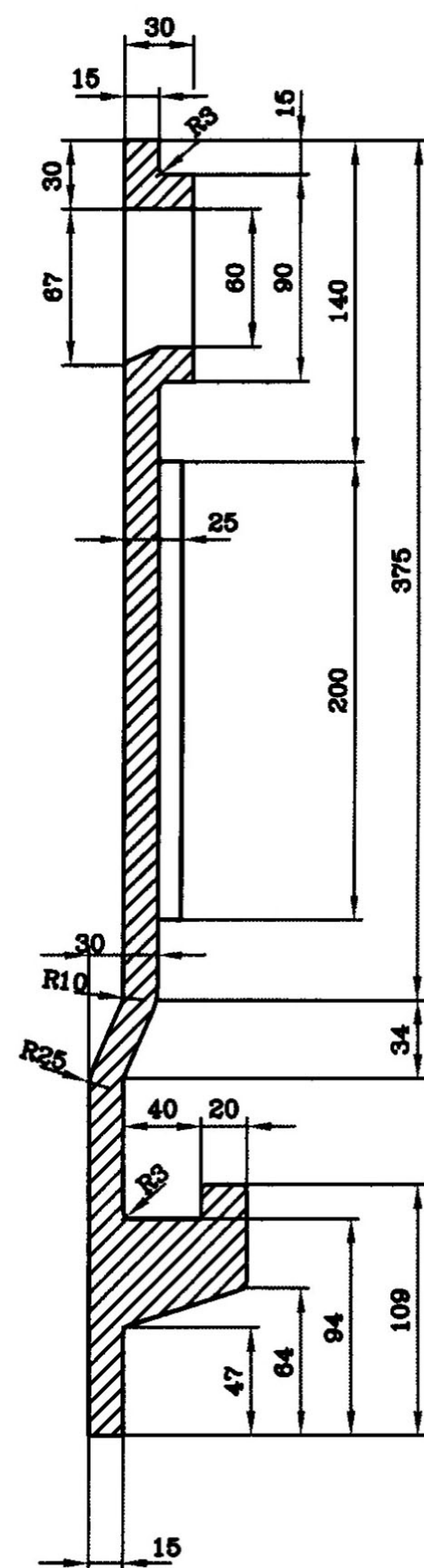
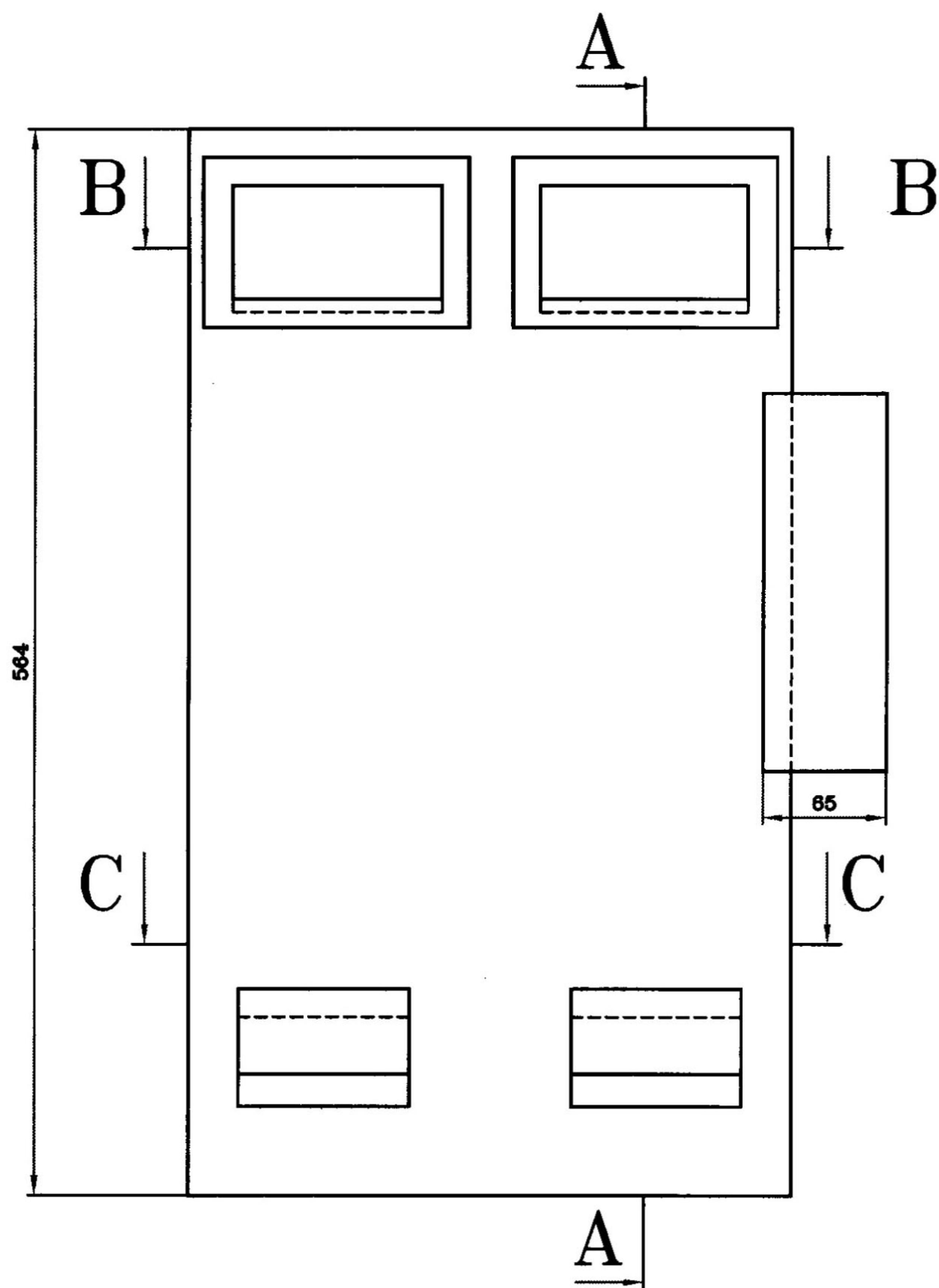
Sämtliche Maße für Gußausführung, Toleranzbereich $\pm 15\text{mm}$, Auflageflächen $\sim$
all dimensions for casted items tolerance range $\pm 15\text{mm}$
contact surface $\sim$

702/01
780301AB 01 84110 143000 R30100 50100

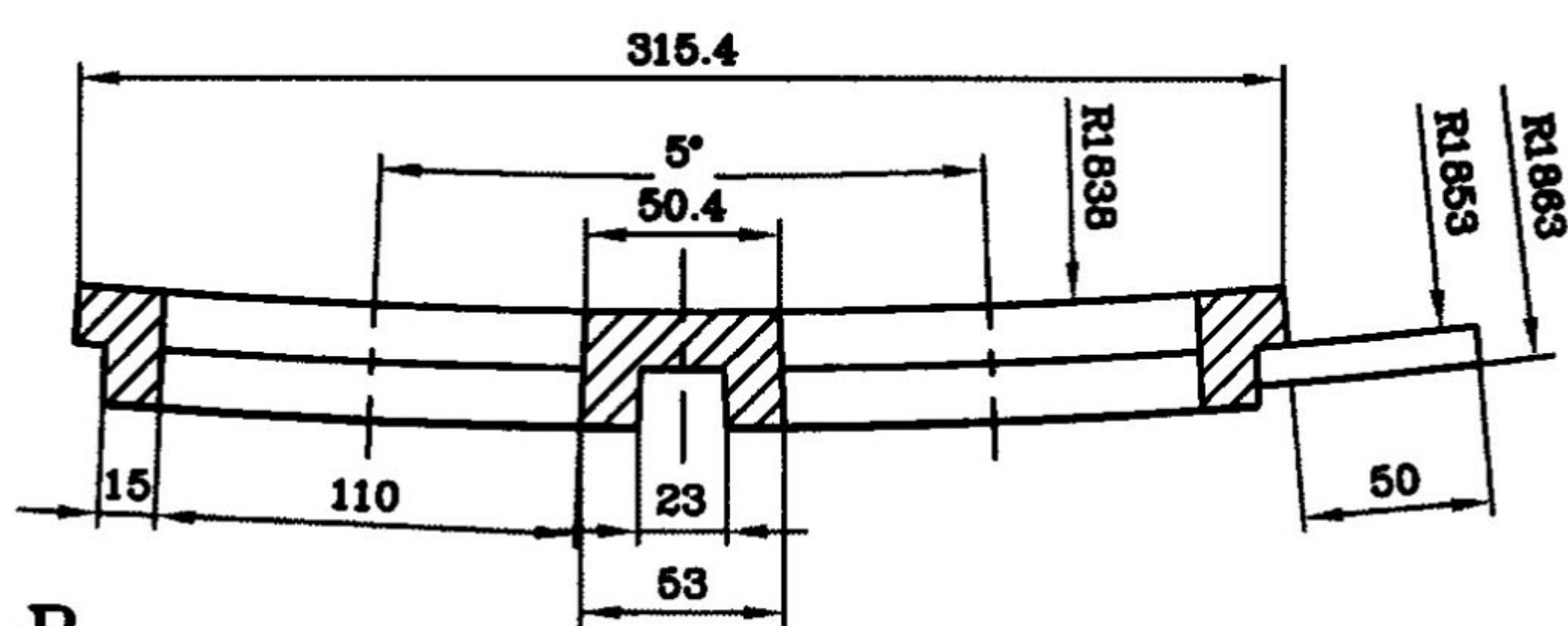
203

Ch.50

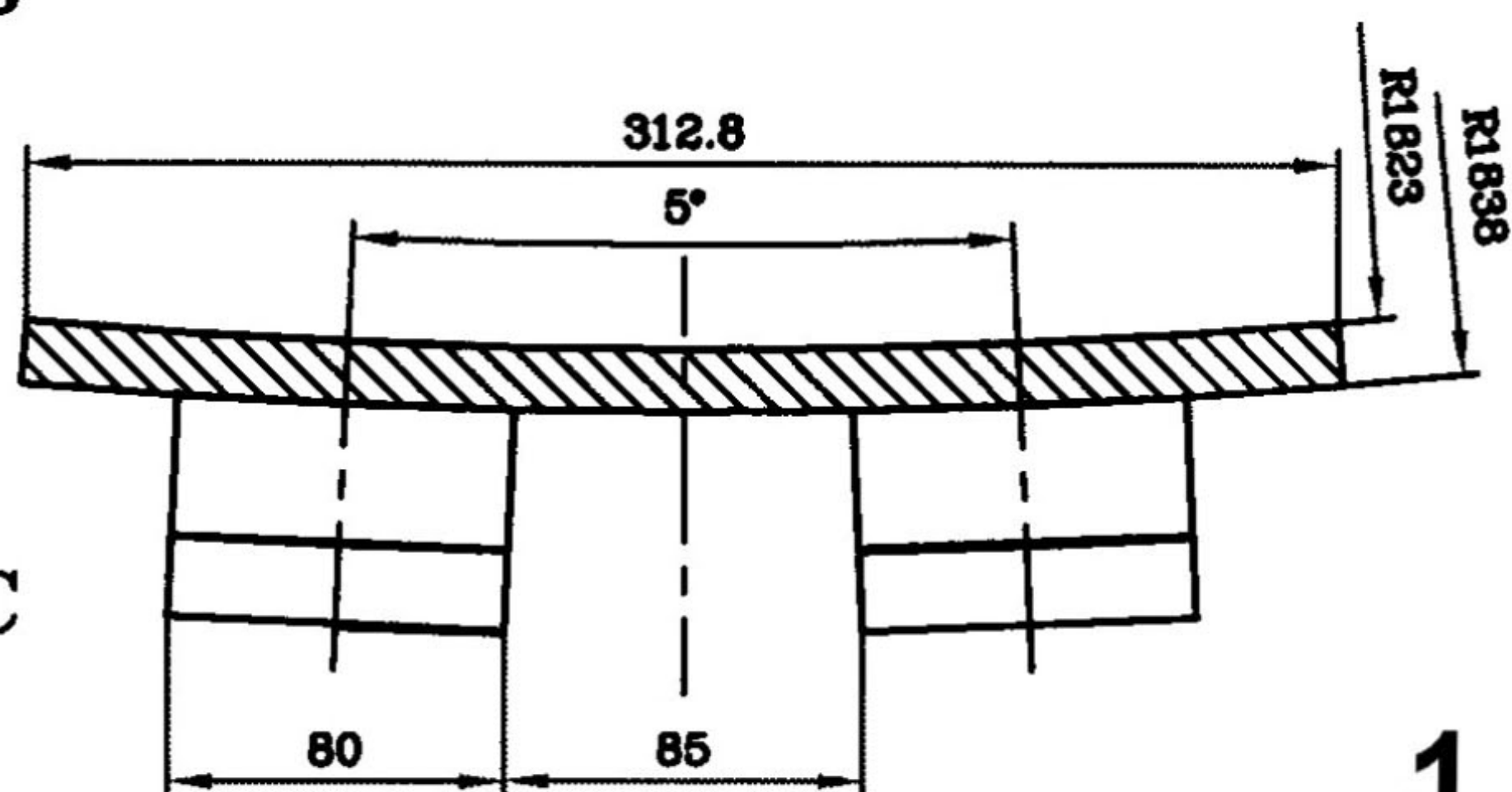
Maße ohne Toleranzangabe DIN 7168 mittel				Oberflächz.		Klasse	Rt μm	Maßstab: 1:5		Gewicht: (kg) 7,9,4	
(29)				▽		N 11	100	Für diese Zeichnung behalten wir uns alle Rechte vor, auch für den Fall der Patenterteilung oder Gebrauchsmustererteilung. Ohne unsere vorherige Zustimmung darf sie weder vervielfältigt noch Dritten zugänglich gemacht werden, und sie darf durch den Empfänger oder Dritte auch nicht in anderer Weise mißbräuchlich verwendet werden.			
				▽▽		N 8	16				
				▽▽▽		N 6	4				
				Anders ausgeführte Oberflächen sind gestrichelt gekennzeichnet							
4 Engl. nachgel. 7.8.89				Datum		1974		Benennung: wear ring (lower part)		Blattanzahl: 1	
3 Pos. 2-4 nachgel. 25.2.85				Gezeichnet		02.09. 1974		Verschleißring - Unterteil			
2 Charakter geodnt 8.3.82				Geprüft		11.10.74					
				Normgepr.		27.1.81					
Paßmaß				Abmaße		O&K Orenstein & Koppel Aktiengesellschaft				108490	
Mikroverfilm								1013625 (2)			
Index 0 1 2 3				1				Zeichnungs-Nr. Index 0 1			
Jahr 1981				221.81				Erstellt durch:			
Änderung				Datum				Ersetzt durch:			
Name				Ursprung:							



Sec. A-A



Sec. B-B



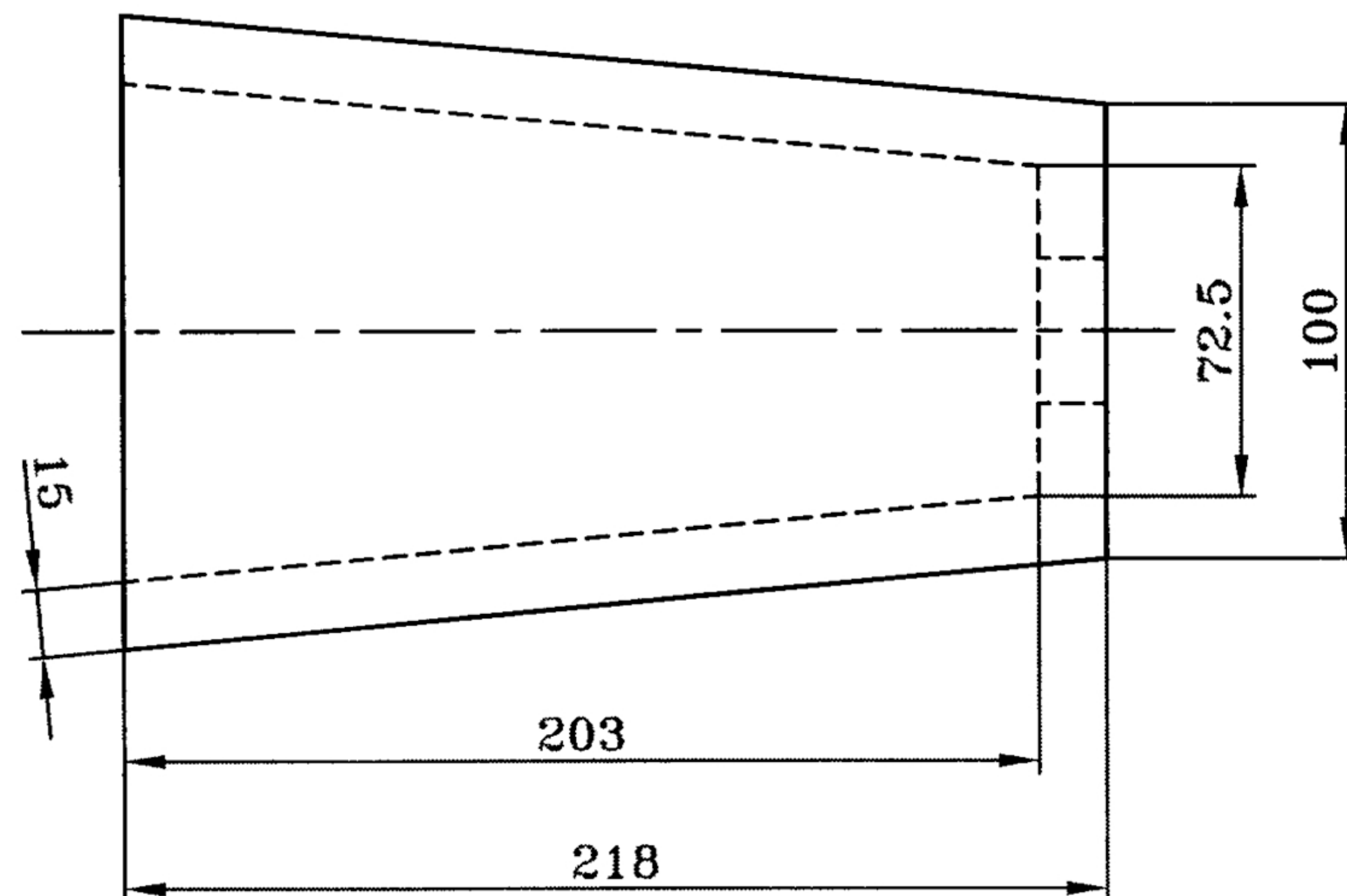
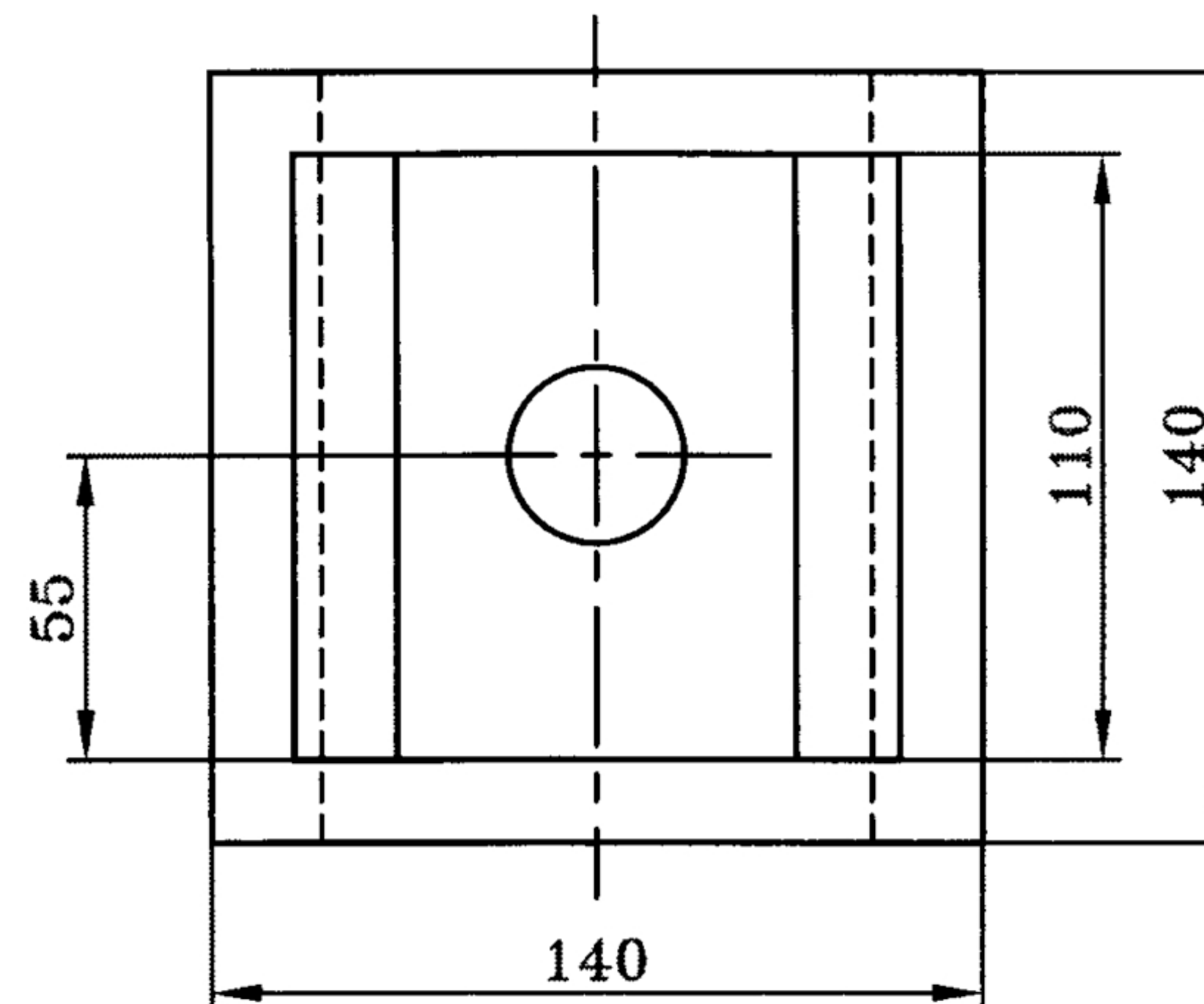
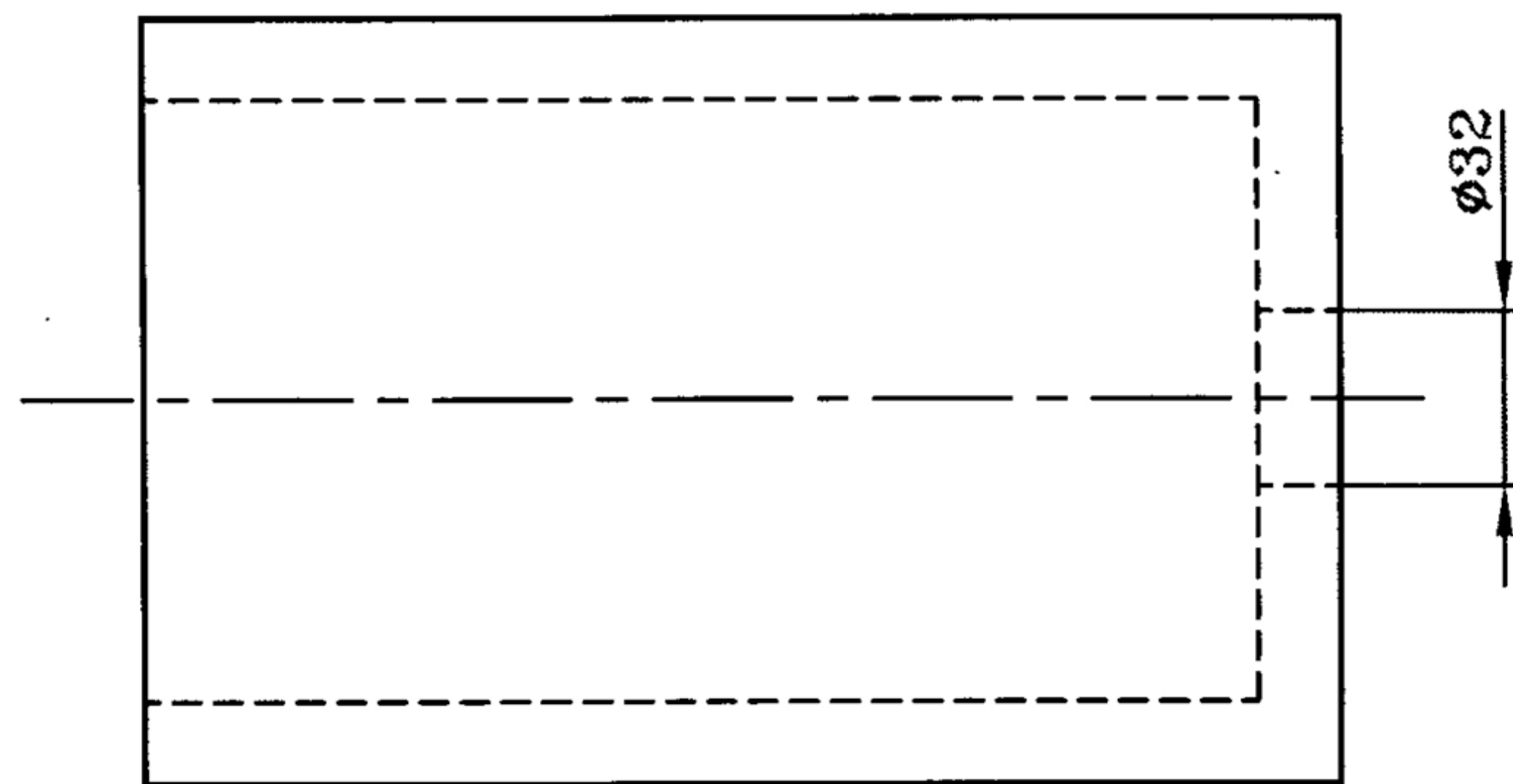
Sec. C-C

قطعه شماره ۲ سنتریوب

جنس (سیکلون 5) : 1.4848

جنس (غیر از سیکلون 5) : 1.4837

Name:		Date:	Company:		REV		
Prep. By:	Ramezany	78/12/18	QAEN CEMENT CO.		NO	DATE	sign
Drawn By:	nasrollahi				1	86/5/1	
Checked By:	Hojabri				2	87/10/4	
Drawing No:			Part Name:				
KL2-01-02			Lower Sector				
Scale:	Mat: 1.4848	Weight: 22kg	Qan: 144				



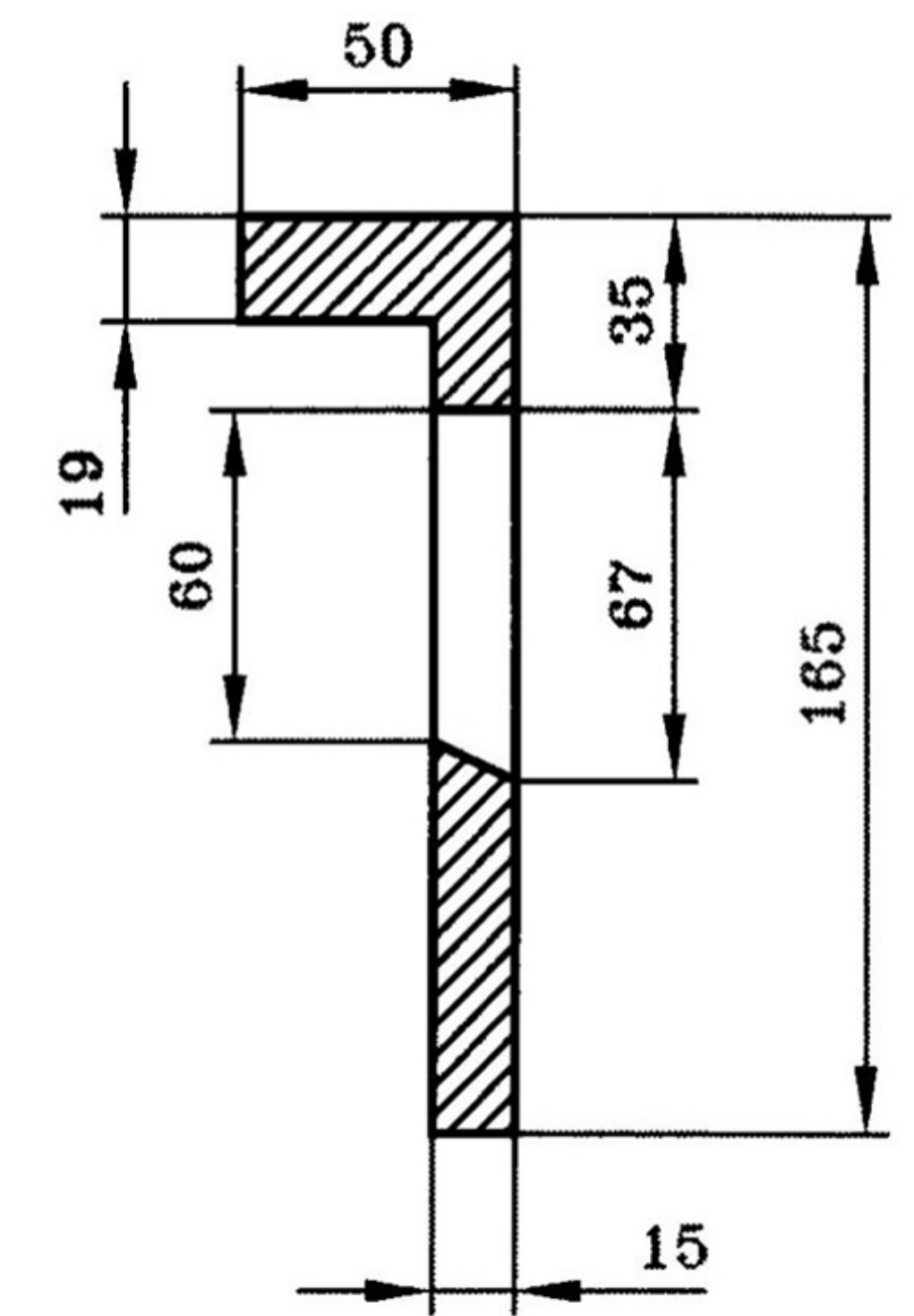
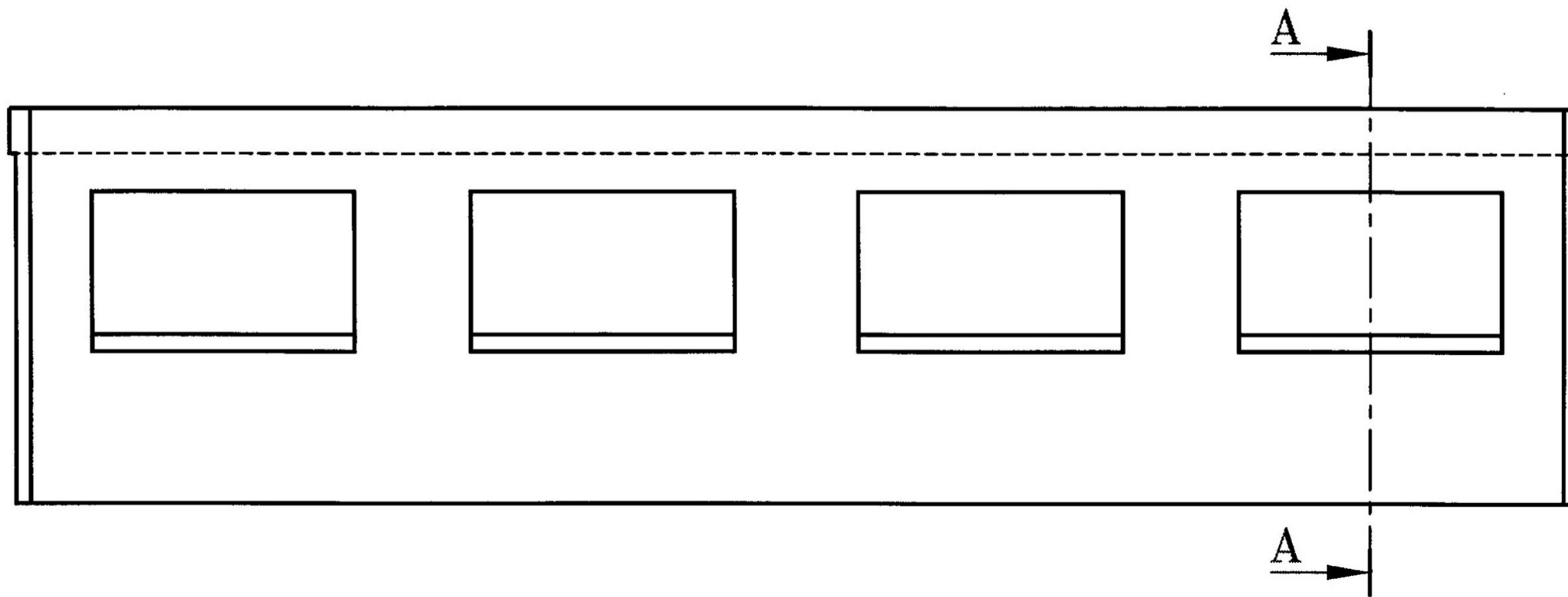
قطعه شماره 5 ستريوب

جنس (سيكلون 5) : 1.4848

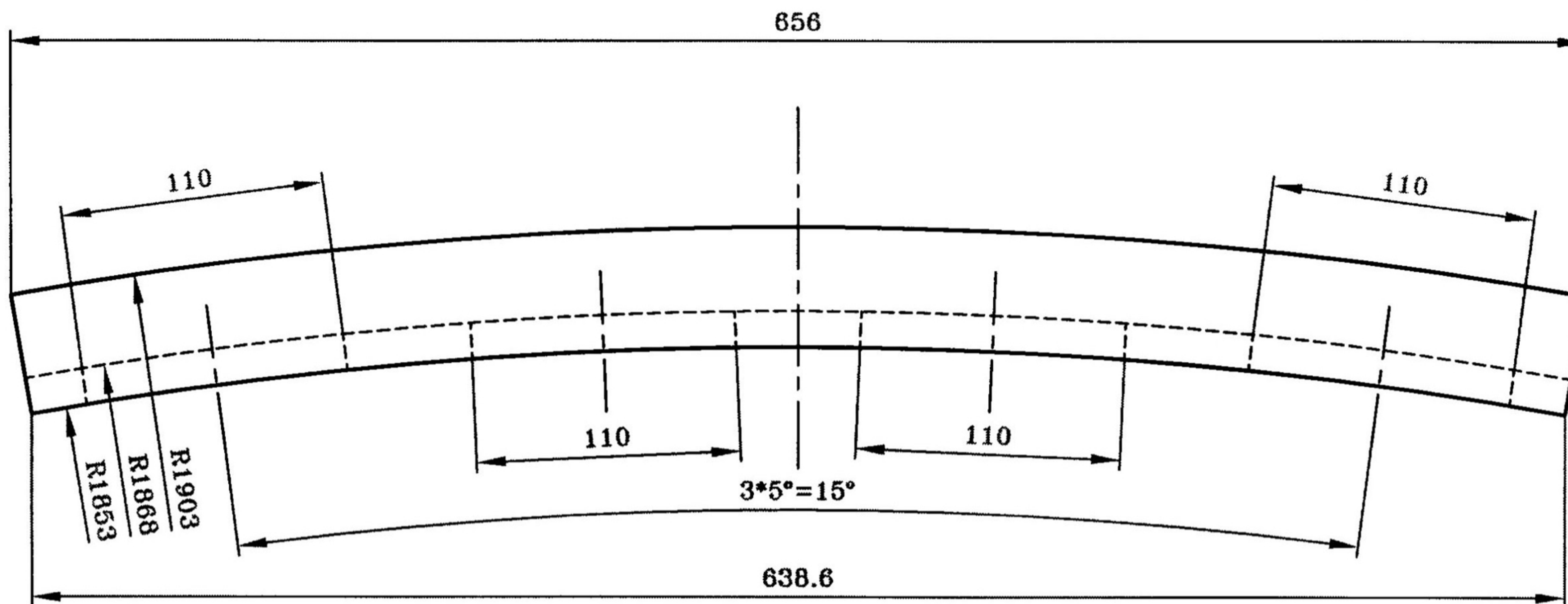
جنس (غير از سيكلون 5) : 1.4837

REV			
NO	DATE	sign	
1	86/5/1		

Prep. By:	Name:	Date:	Company:
Drawn By: Ramezany	78/12/1		QAEN CEMENT CO.
Checked By: Hojabri			Part Name:
Drawing No:	Holder Box		
KL2-01-05			
Scale:	Mat: 1.4848	Weight: 12kg	Qan: 72



Sec. A-A

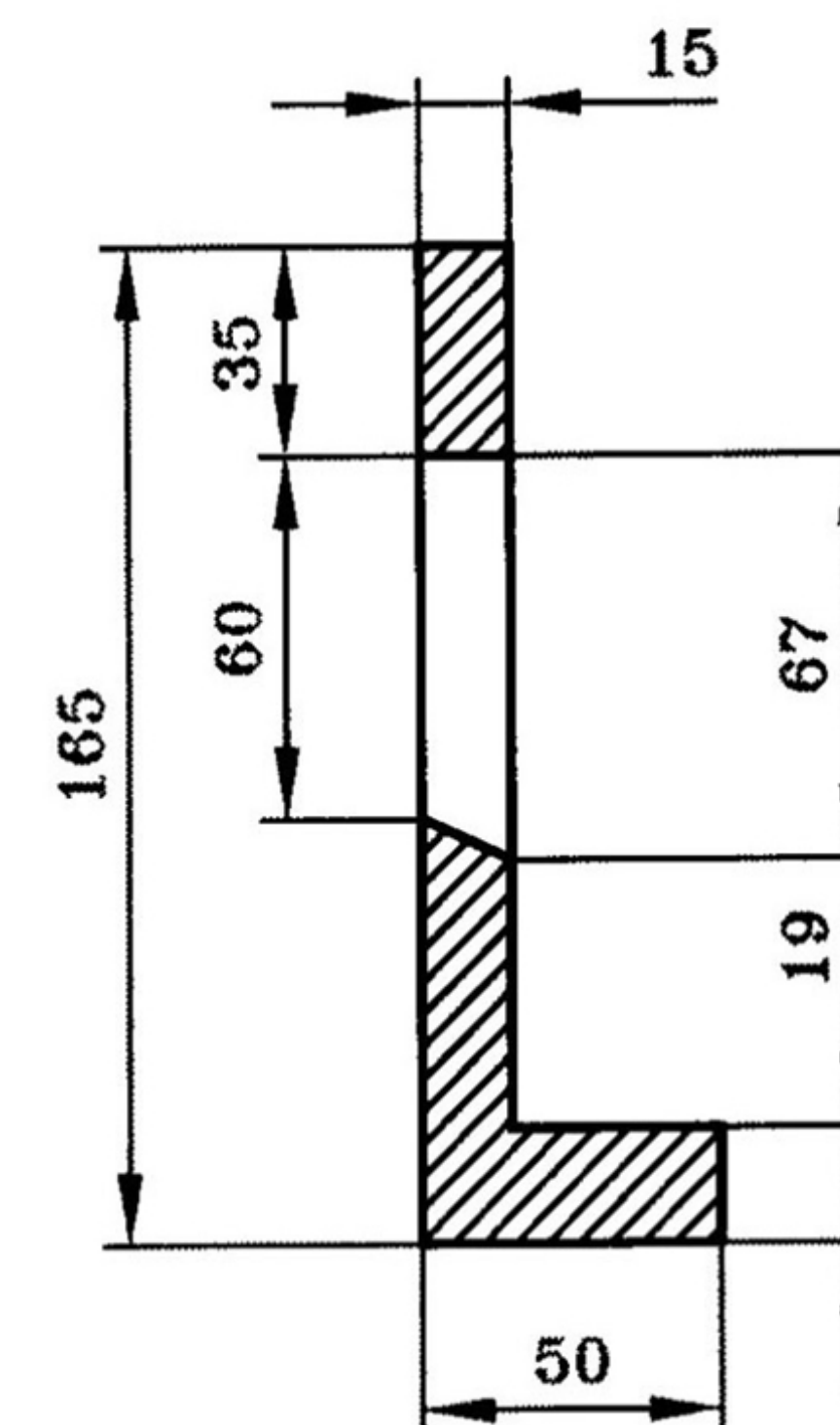
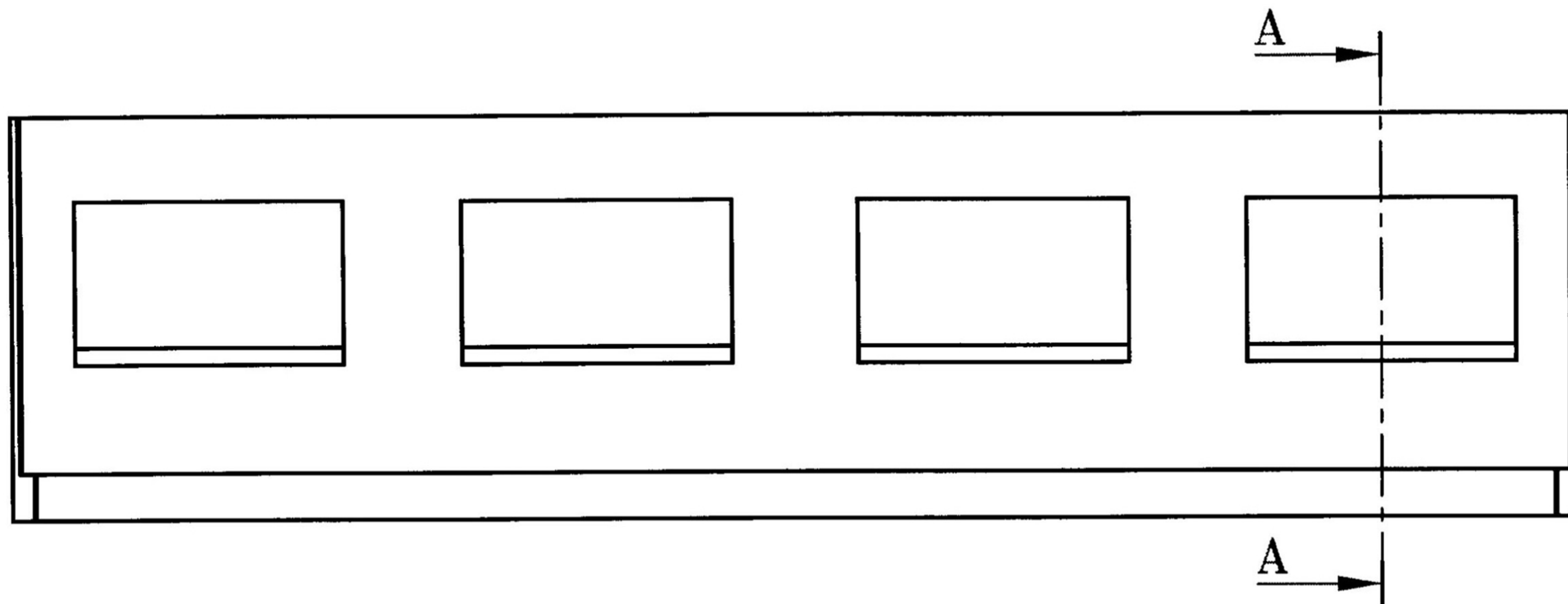


قطعه شماره ۶ سنتریوب

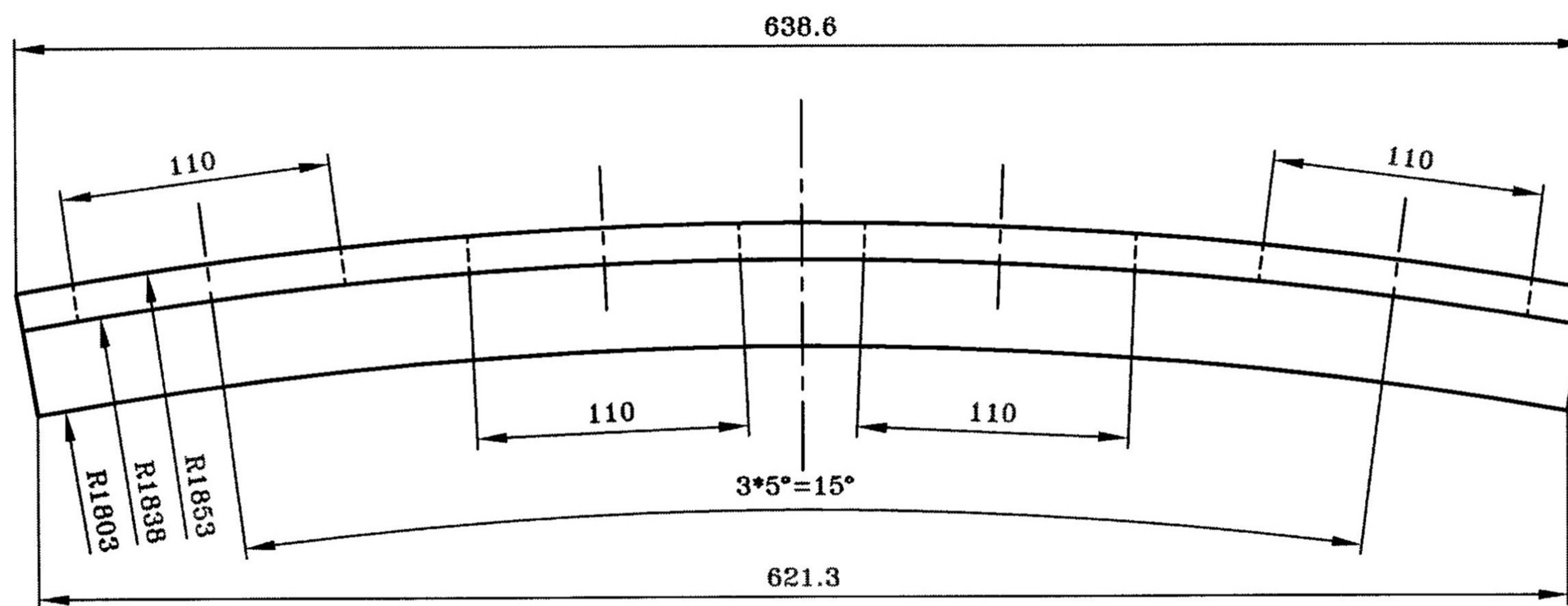
جنس (سیکلون ۵) : 1.4848

جنس (غیر از سیکلون ۵) : 1.4837

Name:		Date:	Company:		REV		
Prep. By:			QAEN CEMENT CO.		NO	DATE	sign
Drawn By:	Ramezany	78/12/10			1	86/5/1	
Checked By:	Hojabri						
Drawing No:			Part Name:				
KL2-01-06			Outer Lock				
Scale:	Mat: 1.4848	Weight: 13kg	Qan: 18				



Sec. A-A



قطعه شماره ۷ سنتریوب

جنس (سیکلون 5) : 1.4848

جنس (غیر از سیکلون 5) : 1.4837

REV			Company:	
NO	DATE	sign	QAEN CEMENT CO.	
1	86/5/1		Part Name:	
			Inner Lock	
			Drawing No:	
			KL2-01-07	
			Scale:	
			Mat: 1.4848	
			Weight: 13kg	
			Qan: 18	

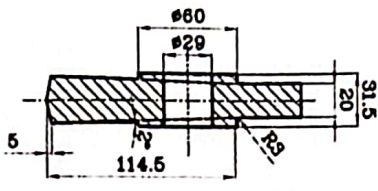
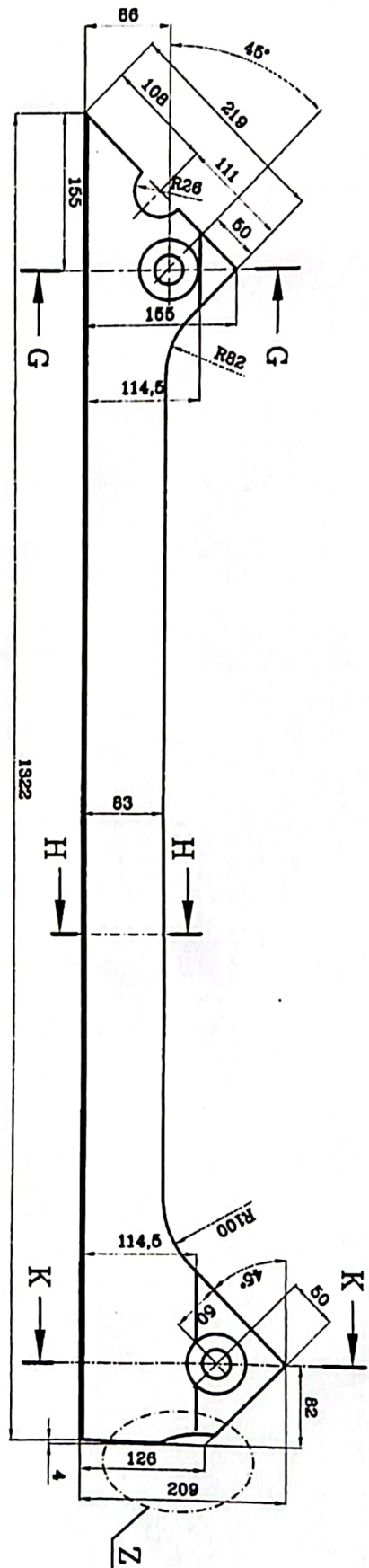
Prep. By:
Drawn By: Ramezany 78/12/18
Checked By: Hojabri

Company:
QAEN CEMENT CO.

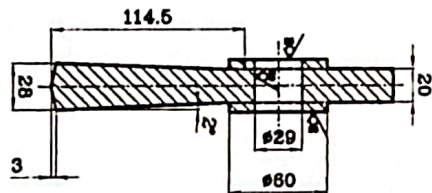
Part Name:
Inner Lock

Drawing No:
KL2-01-07

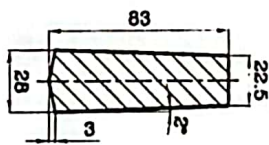
Scale: Mat: 1.4848 Weight: 13kg Qan: 18



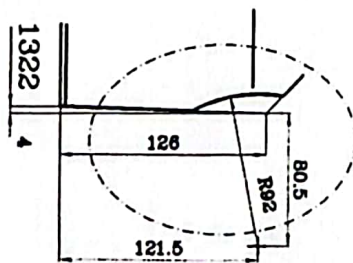
Sec G-G



Sec K-K



Sec H-H



View Z

FLS No. 2.118682

Scale:	Mat: 1.00013001	Weight: Kg	Qty: 51
Drawn by: Hojabri	Part Name: Bar For Basket of Cooler	Company: QAEN CEMENT CO.	NO DATE
Check by: Karrollahi	Part No: 3/12/003-2	Drawn by: Hojabri	DATE
Rev. No:	Rev. Date:	Rev. Date:	Rev. Date:

مربوط به سفارش های مشتریان

FLSMIDTH

MAT 3121

MCGB - DATA SHEET FOR SUPPLIERS

Old MAT Nos.: 33A, -, -

**Cast Steel, Austenitic Manganese Steel,
12% Mn + Mo**

For more information contact F.L. Smlth

PROPERTIES:

This material is a cast steel corresponding to MAT 3120 with 1% Mo added. The material can resist heating to 350°C for a long time and 400-500°C for a shorter time without losing its ductility. It has an austenitic structure and is thus non-magnetic.

STANDARDS:

General requirements:

When reference to this MAT NO appears on FLS Drawing or FLS Parts List or in FLS Purchase Order the data from the Primary Standard is used as acceptance criteria.

Specific deviations in requirements made in the FLS Parts List, the FLS Purchase Order or a FLS Instruction always overrules this data sheet.

Alternatively accepted International Standards listed in this sheet may be used if the suppliers documentation covers at least the documentation required in the Primary Listed Standard. This means that supplementary tests in some cases will be necessary.

Primary Standard:

ASTM A 128/A 128M (1993) , MATERIAL Gr. E-1, MATERIAL No.: .

Standard specification for Steel Castings, Austenitic Manganese.

CHEMICAL COMPOSITION:

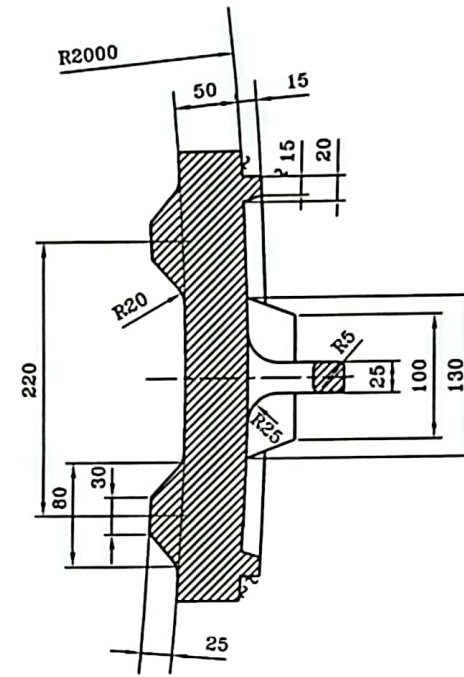
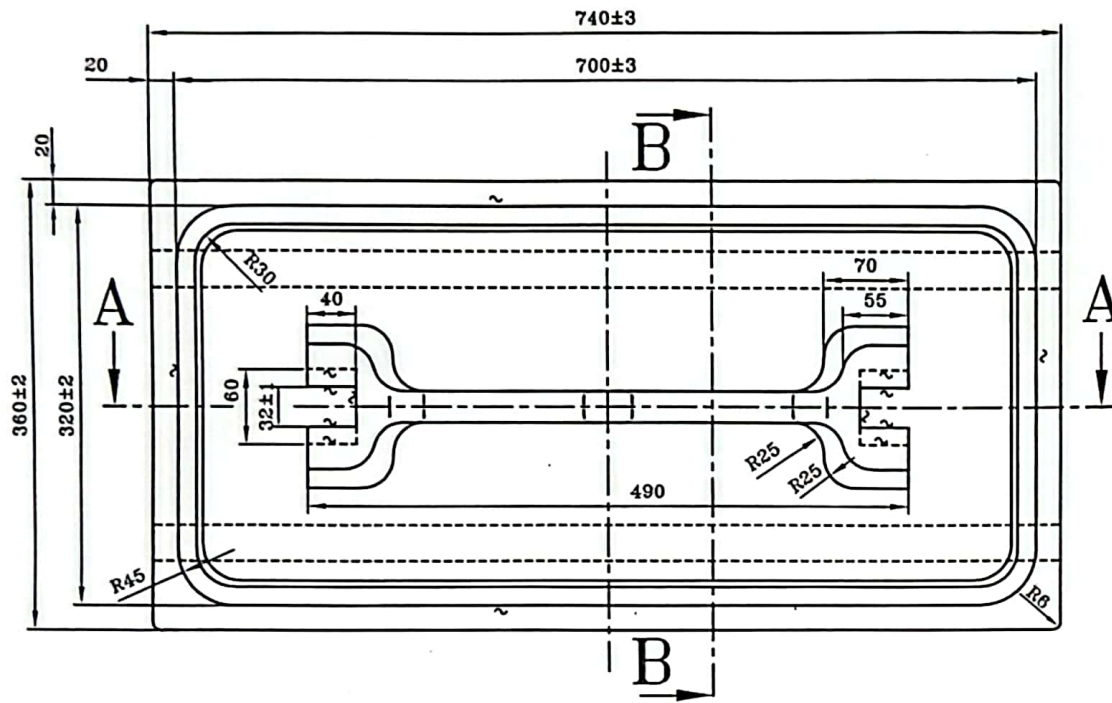
Dim, mm	% C max or range	% Si max or range	% Mn max or range	% P max or range	% S max or range	% N max or range	% Al min or range
	0.7-1.3	1.0	11.5-14.0	0.07	-	-	-

Dim, mm	% Cr max or range	% Mo max or range	% Ni max or range	% V max or range	% Nb max or range	% Ti max or range	% Cu max or range	% Other max or range
	-	0.9-1.2	-	-	-	-	-	-

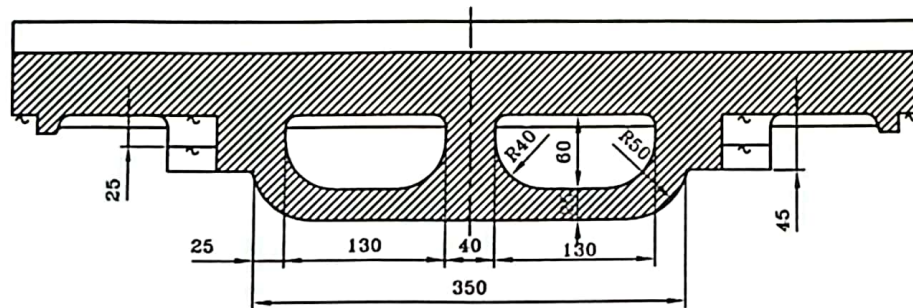
Rev_No: 0.70 Issue_Date: 01-06-1998
Rev_Date: 19-03-2003

Prepared by: AsK
Approved by: ESJ

Page 1 of 3



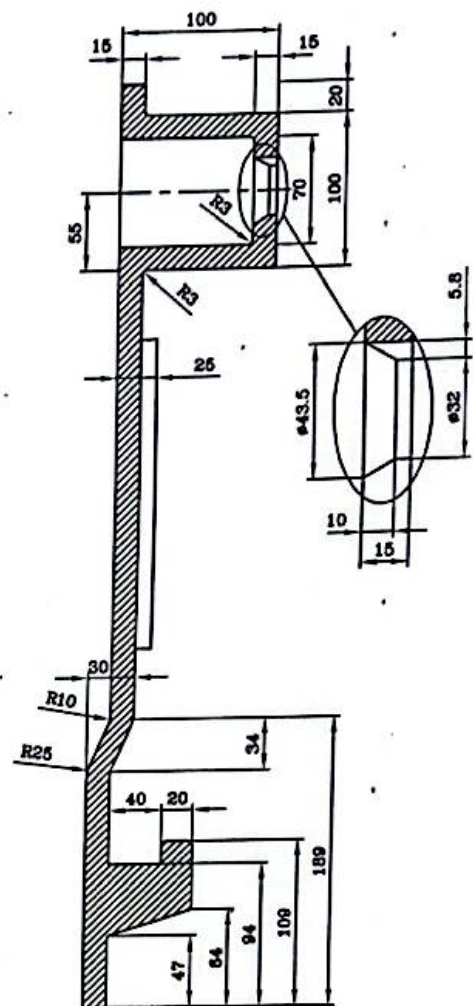
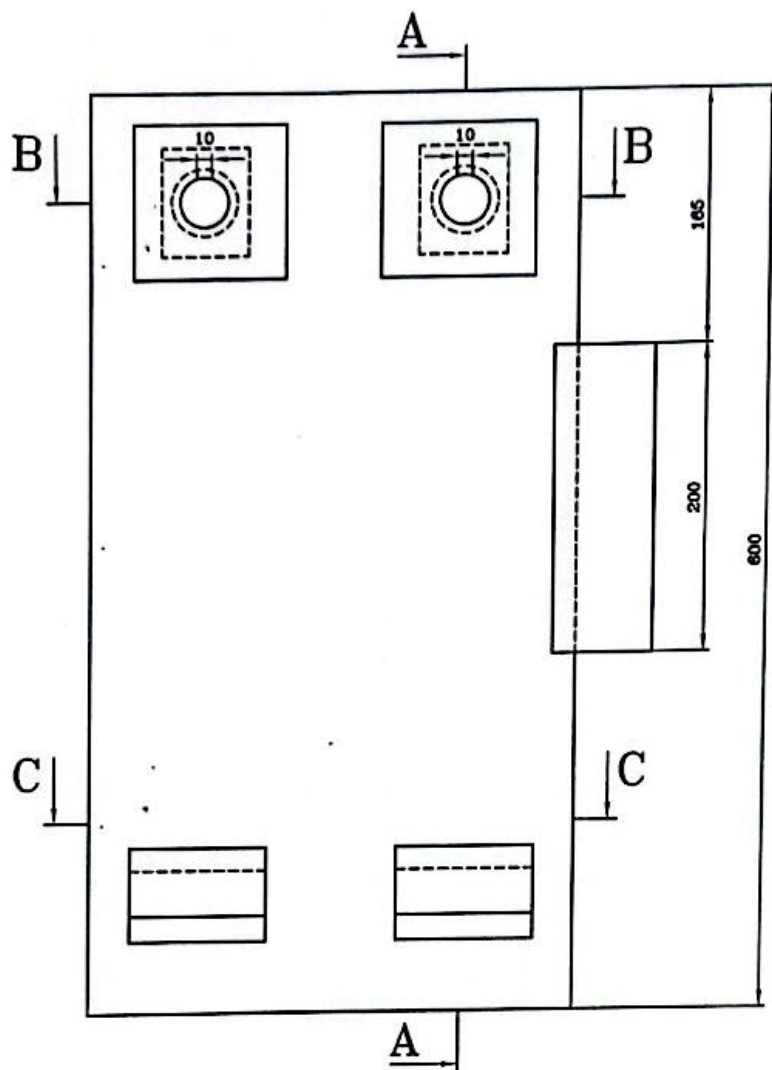
Sec B-B



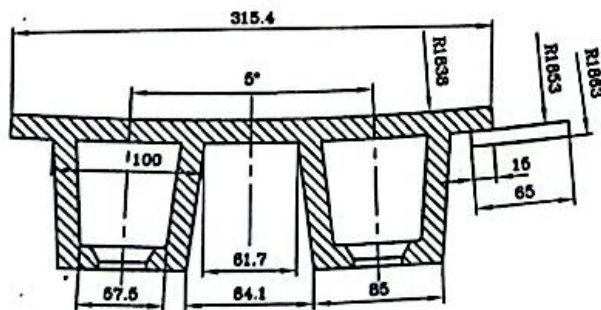
Sec A-A

درب آسیاب سیمان

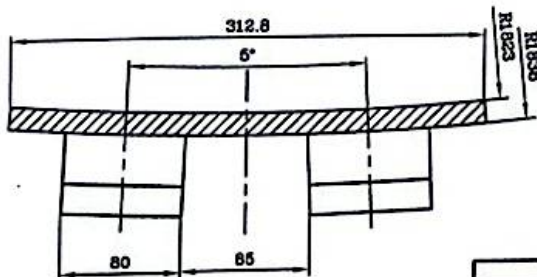
Name:	Date:	Company:	Scale:
Prop. By:		QAEN CEMENT CO.	
Drawn By: <i>Salzakh</i>	23/7/16		
Checked By:			
Drawing No:	Part Name:	Mat:	
4.16.04-01.02.0:02	Cover For Cement Mill	Weight:	
acc. to: ISO	Ref. Drawing	Qan:	



Sec. A-A



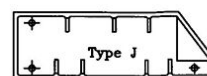
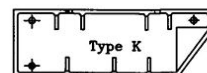
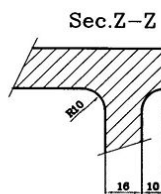
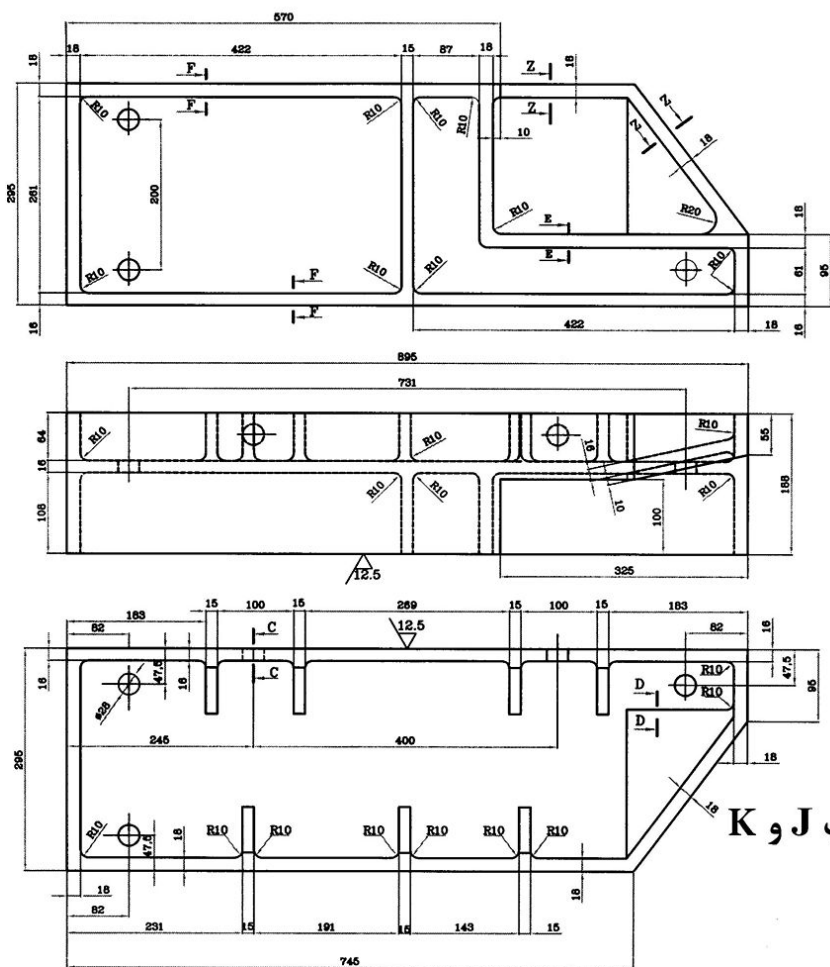
Sec. B-B



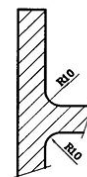
Sec. C-C

قطعه سازه / سترتوب

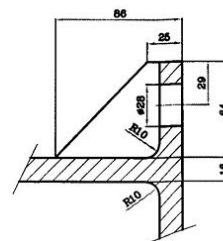
Name:		Date:		Company:		REV		
Prep. By:	Abbaszade	1402/11/02		QAEN CEMENT CO.		NO	DATE	sign
Drawn By:	Nasrollahi					1	78/12/8	
Checked By:	Nikseresht					2	86/5/1	
Drawing No:				Part Name:		3	87/10/4	
KL2-01-01				Upper Sector		4	1403/11/02	
Scale:		Mat: 1.4837		Weight: 32kg		Qan: 36		



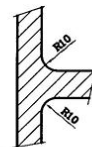
Sec.F-F



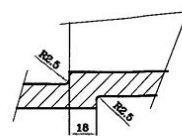
Sec.C-C



Sec.E-E



Sec.D-D

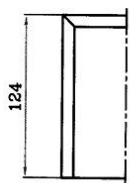
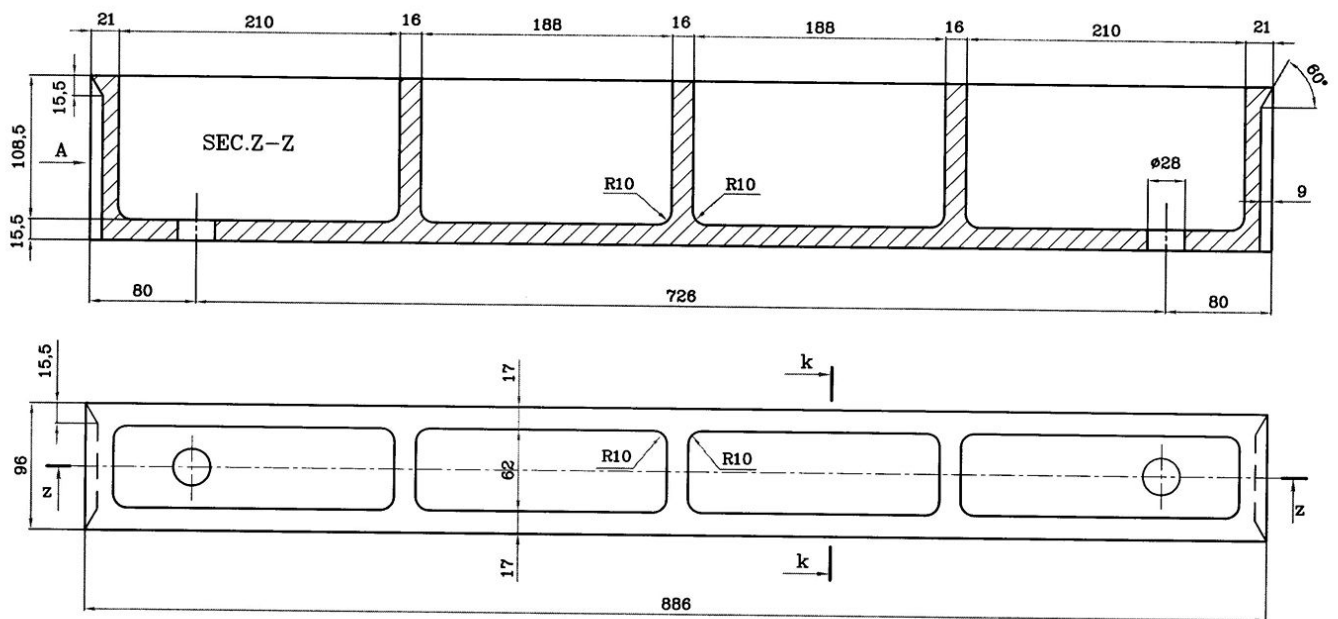


بغل بند تیپ J و K

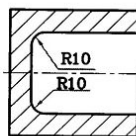
جنس : 1.4837

Prop. By:	Rev:	Company:	REV
Drawn By: Nasrollahi	06/6/13	QAEN CEMENT CO.	NO DATE sign
Checked By: Hojabri		Part Name:	
Drawing No:		cover plate	
1/12/0/8		type J&K	
Scale:	Mat:	Weight:	Qan:

K: 1.094640
J: 1.094640



VIEW A

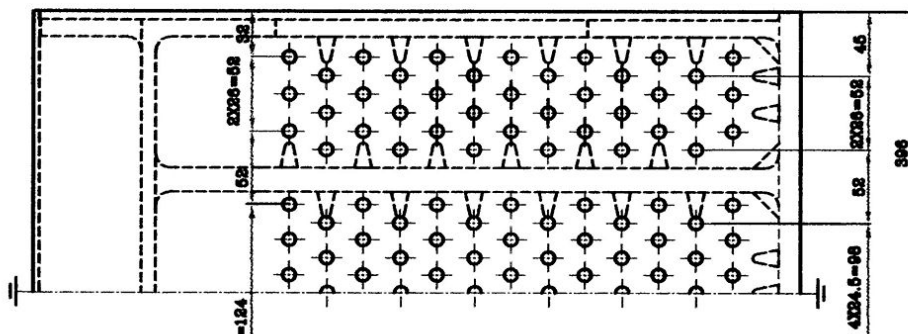
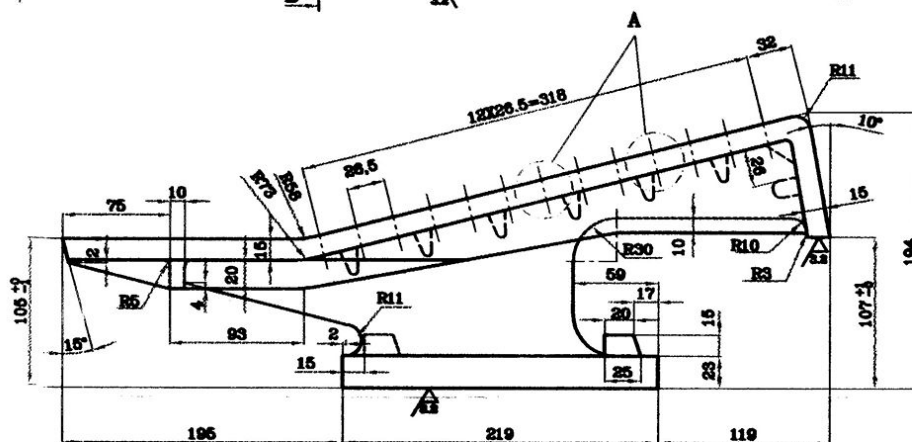
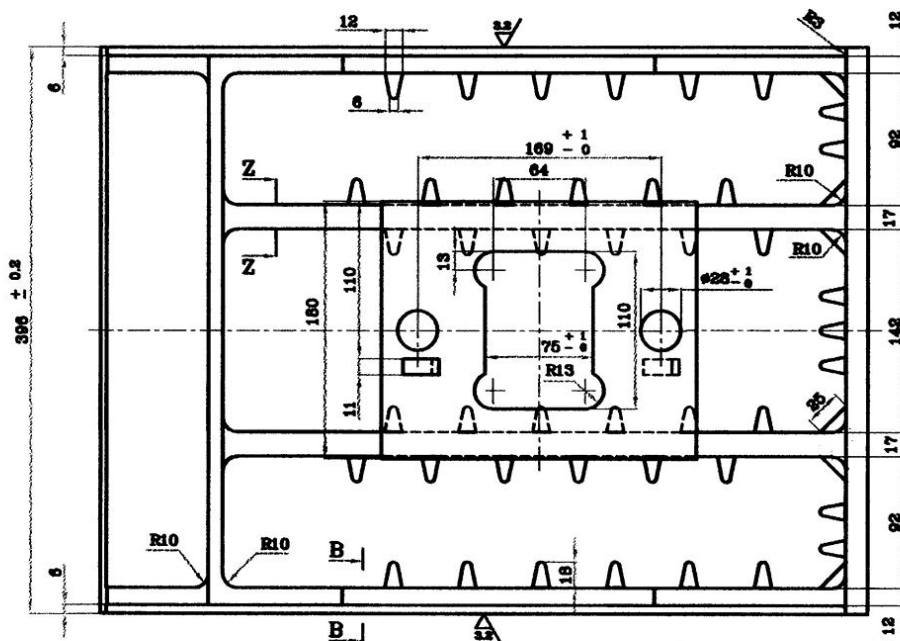


SEC.K-K

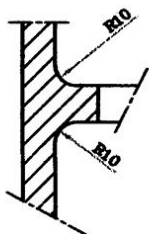
جنس : 1.4837 کاور پلیٹ تپ H

			Company:		REV		
Prop. By:	Drawn By:	Checked By:	QAEN CEMENT CO.		NO	DATE	sign
	Nasrollahi 06/5/21	Hojabri	Part Name:				
Drawing No:			Cover Plate type H				
2/12/012							
Scale:			Mat: 344	Weight: 42.5Kg	Qan: 38		

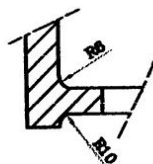
20100198



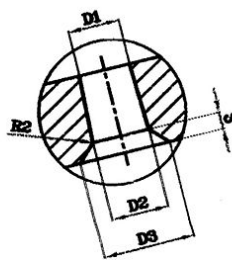
sec Z-Z



sec B-B



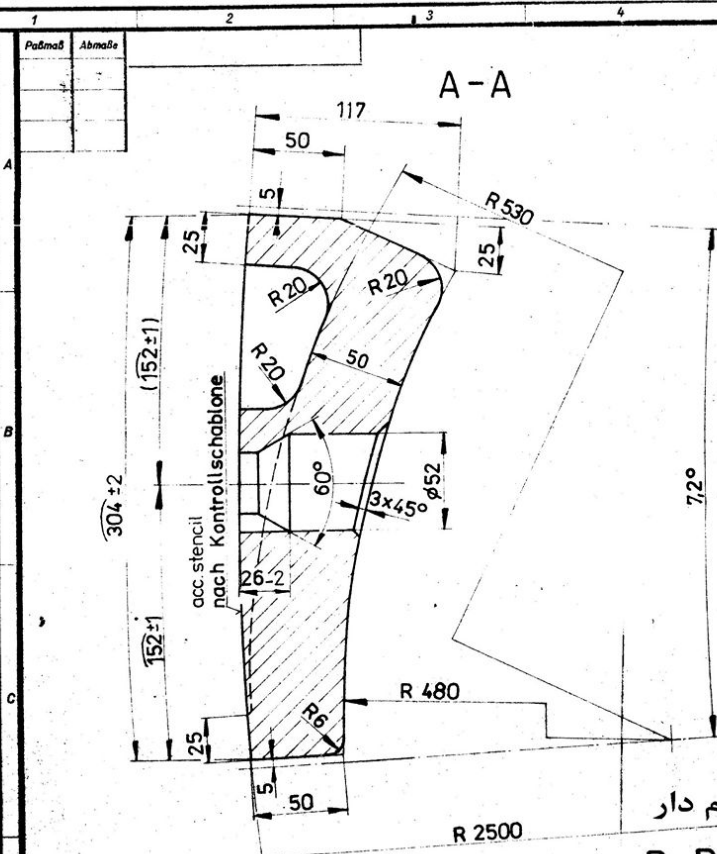
جنس صفحہ : 1.4837 صفحہ گریٹ تیپ C - D - E - F



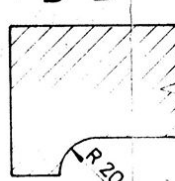
DET. A

4	F	#5	#7	#12	189	343	3/12/011	2.118686
3	E	#4	#6	#11	115	344	3/12/010	2.111915
2	D	#6	#8	#13	61	344	3/12/009	2.110182
1	C	#9	#11	#16	10	344	3/12/006	2.110184
REG	TYPE	D1	D2	D3	QUAN	MAT fls.cod	orig.dwg.no	f.l.s.dwg.no
Prep. By:		Date:		Company:		REV		
Drawn By: Nasrollahi		26/5/21		QAEN CEMENT CO.		NO	DATE	sign
Checked By: Hojabri				Part Name:				
Drawing No:		2/12/027-1		Gratw Plate tepe C-D-E-F				
Scale:		Mat:		Weight:		Qan:		

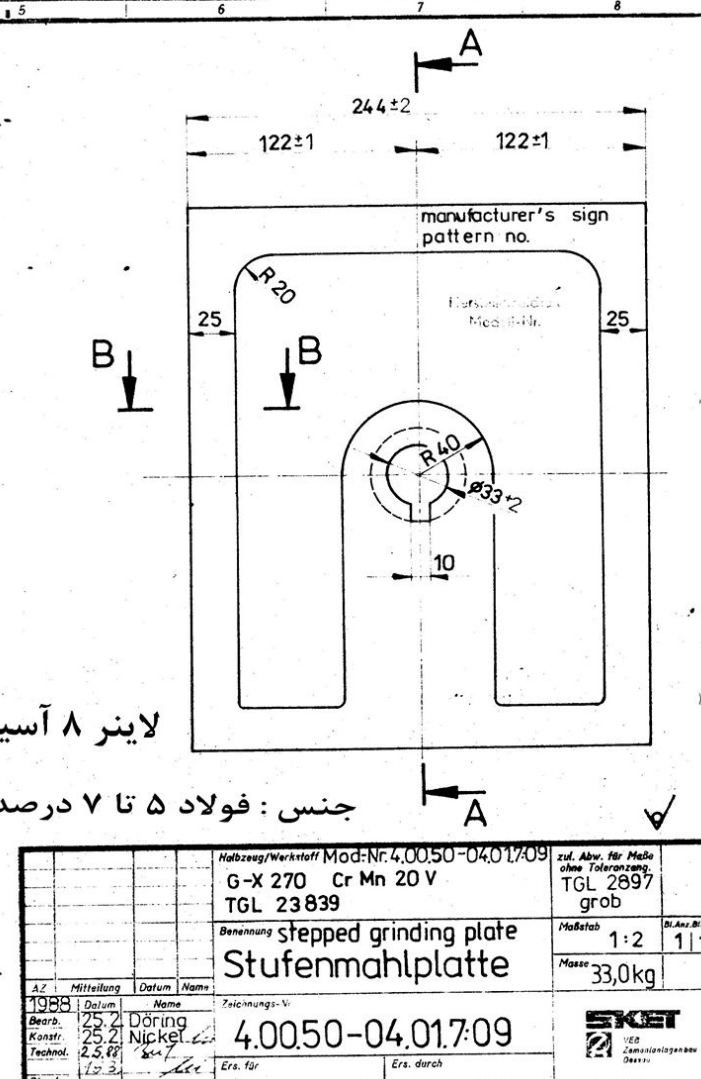
Herstellangabe, Weitergabe an Dritte, Bekanntmachung oder andere Nutzung
 dieser Konstruktionsskizze ist ohne Genehmigung nicht gestattet. Zuwider-
 handlung stellt rechtliche Folgen nach sich.



Heat treatment acc. to instruction!
 Nach Vorschrift wärmebehandelt!
 Cleanly cast, second operation must not be necessary!
 Sauber gegossen, Nacharbeit darf nicht
 erforderlich sein.
 Undimensioned cast radii
 Unbemaßte Radien gußtechnisch ausgeführt.

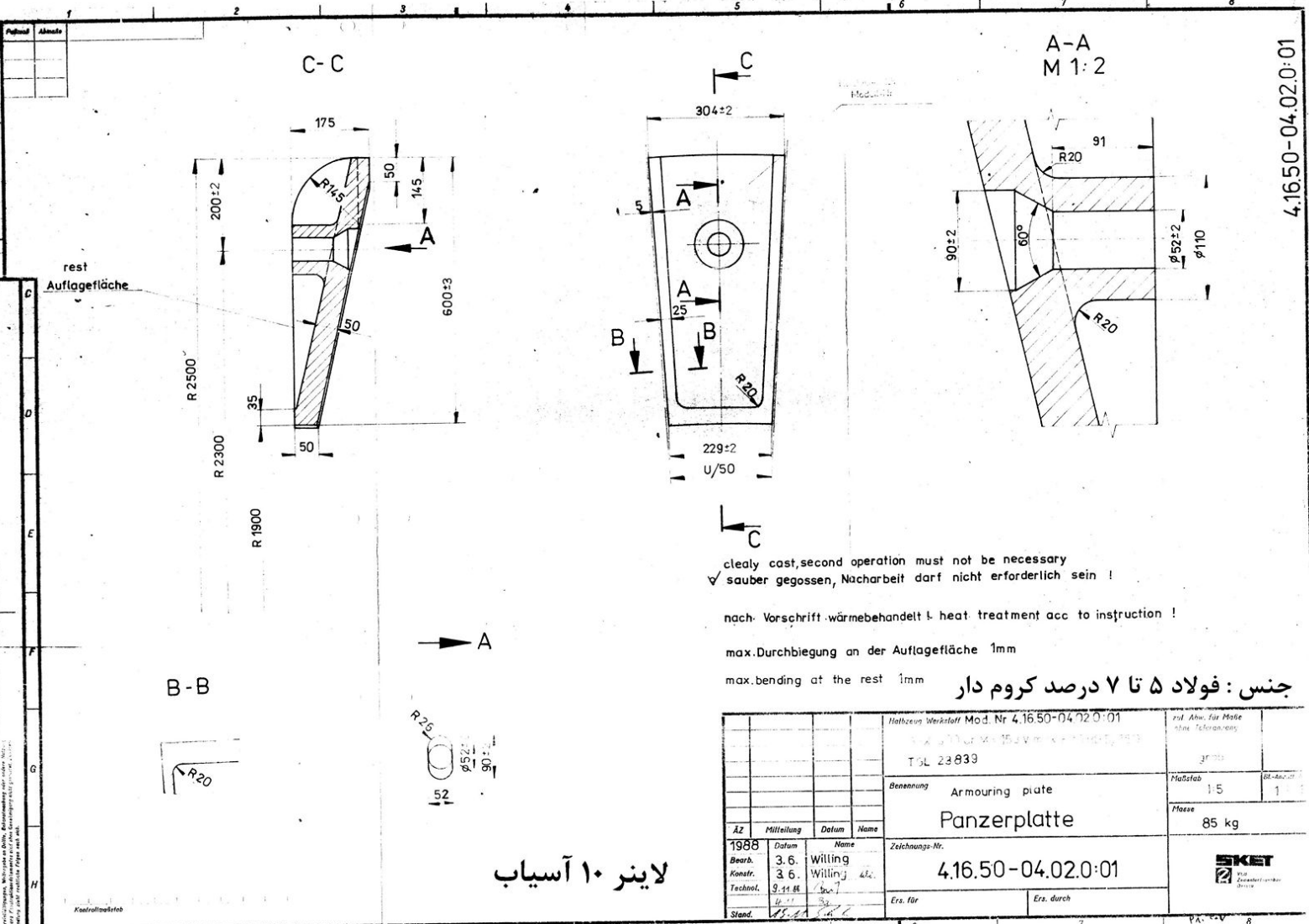


جنس : فولاد ۵ تا ۷ درصد کروم دار
 لاینر ۸ آسیاب



Halbzeug/Werkstoff Mod-Nr. 4.0050-04.017.09 G-X 270 Cr Mn 20 V TGL 23839				zul. Abw. für Maße ohne Toleranzang. TGL 2897 grob	
Benennung stepped grinding plate Stufenmahlplatte				Maßstab	1:2 1:1
Zeichnungs-Nr. 4.0050-04.017.09				Masse	33,0kg
Stand. 1988 AZ Mitteilung Datum Name Bearb. 25.2 Döring Konstr. 25.2 Nickel Technol. 23.11 Ers. für Ers. durch				SKET 100 Konstruktionstechnik Dessau	

4.16.50-04.02.0:01



✓ clearly cast, second operation must not be necessary
✓ sauber gegossen, Nacharbeit darf nicht erforderlich sein !

nach: Vorschrift: wärmebehandelt & heat treatment acc to instruction !

max. Durchbiegung an der Auflagenfläche 1mm

max. bending at the rest 1mm

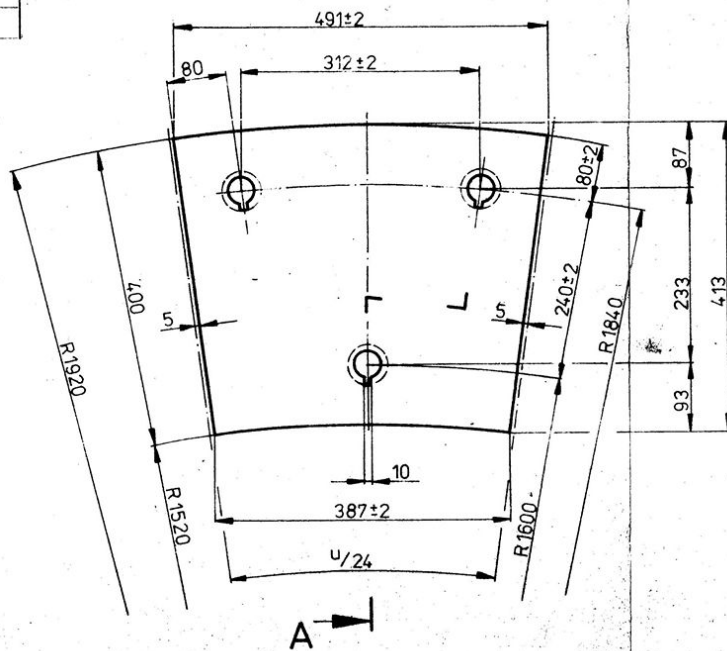
جنس: فولاد ۵ تا ۷ درصد کروم دار

لایر ۱۰ آسیاب

Haltzeug-Werkstoff Mod. Nr 4.16.50-04.02.0:01				1st. Abw. für Maße ohne Toleranzen	
TGL 23.833				Maßstab	1:5
Benennung				Platte	85 kg
Panzerplatte				1	
Zeichnungs-Nr.				4.16.50-04.02.0:01	
Ers. für				Ers. durch	
AZ				1988	
Mittellung				Datum	
Beord.				3.6.	
Konstr.				Willing	
Technol.				9.11.88	
Stand.				1.0	



Part	Abmaße



A-A

Auflagefläche
supporting area

M 1:2

جنس

- ✓ sauber gegossen, Nacharbeit darf nicht erforderlich sein
max. zul. Durchbiegung an der Auflagefläche $f \leq 1\text{mm}$
unbemaßte Radien $R=6\text{mm}$
nach Vorschrift wärmebehandelt!
- ✓ clean casted, rework must not be necessary
max. admissible deflection at supporting area $f \leq 1\text{mm}$
not dimensioned radiuses $R=6\text{mm}$
Heat-treated acc. to instruction!

فولاد ۵ تا ۷ درصد کروم دار

لایر ۱۵ آسیاب

Zeichnungs-Nr. 4.16.50-08.01.0:06				zgl. Abw. f. Maße ohne Toleranzang.	
Bezeichnung armouring plate Panzerplatte				Maßstab 1:5	Blatt/B.N. 1/1
Zeichnungs-Nr. 4.16.50-08.01.0:06				Masse 69,0kg	
Erz. für Erz. durch				SKET VEB Zentraler Ingenieur- Dienst	

AZ	Mitteilung	Datum	Name
1258			
Bearb.	21.06	Erz. durch	100
Konstr.	21.06	Erz. durch	92
Technol.	14.08	Erz. durch	101
Stand.	14.08	Erz. durch	101