





BULBS FOR ELECTRIC LAMPS

01.01.1991

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1. BULBTYPES

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The N.V. EMGO Belgium may offer you the delivery of the following bulbtypes:

<u>Bulbtype</u>	<u>Drawing n°</u>
A 88	4304 045 30001
A 80 A	4304 044 70001
A 70	4304 044 40001
A 65	4304 044 00301
A 60	4304 044 00001
A 60 A	4304 043 80001
A 40	4304 042 50001
AX 61	4304 043 20201
AX 58	4304 043 20301
AX 55	4304 043 20501
AX 52	4304 043 20601
B 38	4304 043 21101
B 35	4304 042 80001
B 35 A	4304 042 80101
BF 75	4304 045 30101
BF 70	4304 044 70201
BF 55	4304 044 00701
BF 50	4304 043 80101
BW 50	4304 044 00601
BW 47	4304 043 80201
BW 35	4304 042 80901
E 80	4304 044 40101
E 75	4304 044 40201
E 60	4304 044 00101
E 50	4304 043 60001
E 45	4304 043 60101
G 95	4304 044 70601
G 80	4304 044 40601
GX 95	4304 044 00501
GX 80	4304 043 40001
GX 66	4304 042 50901
GX 62	4304 042 80401
GX 50	4304 042 50601

1. BULBTYPES

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Bulbtype

Drawing n°

P 45	4304 043 20101
P 25	4304 042 10001
P 25 D	4304 042 10301
P 25 E	4304 042 10401
PC 45	4304 043 20801
PC 35	4304 042 30201
R 95	4304 044 70101
R 90	4304 044 70501
R 85	4304 044 70301
R 63 A	4304 044 00801
R 50	4304 043 21001
S 34	4304 042 81101
S 28 A	4304 042 81601
S 25	4304 042 50201
S 22 A	4304 042 30301
T 60	4304 044 00901
T 29	4304 043 20401
T 25 A	4304 042 81301
T 25 B	4304 042 81501
T 22	4304 042 80801
T 22 A	4304 042 51301
T 17	4304 042 10201
TP 45	4304 043 21201

2. EMGO - CODENUMBERS

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SPECIAL VISUAL QUALITY FOR "FLUSHING PROCESS" OR OTHER APPLIANCES.

=====

F-quality (1) : bulbs produced at a lower speed for a better visual quality.

FT-quality (1) : same clear bulbs as mentioned above but rinsed inside with a HF-acid to remove glass particals.

TR-quality (1) : normal clear bulbs, but rinsed inside with a HF-acid.

(1) : marked on the boxes as mentioned below.

This special visual quality is available for the following bulbtypes:

Type	Codenumber
A 60 F	1001
A 60 FT	1003
A 60 TR	1006
P 45 F	1401
P 45 FT	1403

2. EMGO - CODENUMBERS

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Page 2.1

When ordering bulbs please use the bulbtypes and corresponding 4-digit codenumbers following on pages 2.2 and 2.3.

This codenumber is composed as follows:

e.g. : bulbtype A60 clear = codenumber 1000 (see p. 2.2)

Bulb-diameter	Letter bulbtype	Number bulbtype	Execution
1	0	0	0
↙ 70 mm	A	60	C
1 or 2 = ↙ 70mm			0 = Clear
3 or 4 = ↗ 70mm			1 = Clear F Quality
			3 = Clear F Quality and Treated
			5 = Frosted
			6 = Clear and Treated
			7 = Low Satinated
			8 = Satinated
			9 = High Satinated
0 = A			
1 = B			
2 = E			
3 = G			
4 = P			
5 = R			
6 = S			
7 = T			

2. EMGO-CODENUMBERS

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EMGO-CODENUMBERS FOR ORDERING AND INVOICING.

Legend: C1 = Clear LS = Low Satinated
Fr = Frosted F = Flushed
S = Satinated FT = Flushed, Treated
HS = High Satinated T = Treated

Bulbtype	C1	Fr	S	HS	LS	F	FT	TR
A 88	3000	--	--	--	--	--	--	--
A 80 A	3010	3015	--	--	--	--	--	--
A 70	3020	3025	--	--	--	--	--	--
A 65	1010	1015	1018	--	--	--	--	--
A 60	1000	1005	--	--	--	--	1003	1006
A 60 A	1080	1085	--	--	--	--	--	--
A 40	1020	--	--	--	--	--	--	--
AX 61	1030	--	--	--	--	--	--	--
AX 58	1040	--	--	--	--	--	--	--
AX 55	1050	--	--	--	--	--	--	--
AX 52	1060	--	--	--	--	--	--	--
B 38	1190	1195	--	--	--	--	--	--
B 35	1100	1105	--	--	--	--	--	--
B 35 A	1120	1125	--	--	--	--	--	--
BF 75	3110	--	--	--	--	--	--	--
BF 70	3120	--	--	--	--	--	--	--
BF 55	1140	--	--	--	--	--	--	--
BF 50	1150	--	--	--	--	--	--	--
BW 50	3130	3135	--	--	--	--	--	--
BW 47	1180	1185	--	--	--	--	--	--
BW 35	1170	1175	--	--	--	--	--	--
E 80	3200	--	3208	3209	--	--	--	--
E 75	3210	3215	--	--	--	--	--	--
E 60	1200	1205	1208	--	--	--	--	--
E 50	1210	1215	1218	--	--	--	--	--
E 45	1220	1225	--	--	--	--	--	--
G 95	3300	--	--	--	--	--	--	--
G 80	3330	--	--	--	--	--	--	--
GX 95	3310	--	--	--	--	--	--	--
GX 80	3320	--	--	--	--	--	--	--
GX 66	1320	--	--	--	--	--	--	--
GX 62	1330	--	--	--	--	--	--	--
GX 50	1340	--	--	--	--	--	--	--

2. EMGO - CODENUMBERS

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Bulbtype	Cl	Fr	S	HS	LS	F	FT	TR
P 45	1400	1405	---	---	---	---	---	---
P 25	1430	---	---	---	---	---	---	---
P 25 E	1450	---	---	---	---	---	---	---
P 25 D	1440	---	---	---	---	---	---	---
PC 45	1410	---	---	---	---	---	---	---
PC 35	1420	---	---	---	---	---	---	---
R 95	3500	---	3508	3509	---	---	---	---
R 90	3520	---	3528	3529	---	---	---	---
R 85	3510	---	---	3519	---	---	---	---
R 63 A	1520	---	---	1529	---	---	---	---
R 50	1510	---	---	1519	---	---	---	---
S 34	1600	---	---	---	---	---	---	---
S 28 A	1660	1665	---	---	---	---	---	---
S 25	1620	1625	---	---	---	---	---	---
S 22 A	1650	---	---	---	---	---	---	---
T 60	1740	---	---	---	---	---	---	---
T 29	1700	1705	---	---	---	---	---	---
T 25 A	1760	1765	---	---	---	---	---	---
T 25 B	1770	1775	---	---	---	---	---	---
T 22	1720	1725	---	---	---	---	---	---
T 22 A	1750	1755	---	---	---	---	---	---
T 17	1730	---	---	---	---	---	---	---
TP 45	1780	---	---	---	---	---	---	---

N.V. **EMGO**

BALENDIJK, 161
B-3920 LOMMEL - BELGIUM
Phone : 011/54 47 81 (7 lines)
Fax : 011/54 31 86
Telex : 39115
Telegraphic address : EMGO Lommel

3. PRICES

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Page 3.0

Please find annexed our valid quotations

for all

EMGO-bulbtypes.

4. FREIGHT AND INSURANCE

01.01.1991

Page 4.0

EMGO-bulbs are packed in special designed cardboard boxes, which are of excellent quality (details see chapter 13 : packing).

They assure a very good protection. Several years of experience have proved that transport breakages are relatively low. It is for this reason that our bulb transports are not insured. However, we recommend you to arrange your own insurance in case it should be necessary.

All our bulbs are delivered in only one kind of cardboard box, for which we charge 50,- BEF per box, what is separately mentioned on the invoice. The same we apply for the pallets at a price of 700,- BEF. The sum will be reimbursed after returning of the empty boxes and pallets, in good condition, to EMGO.

The charges for returning empty boxes and pallets from E.E.C.-countries (or from border E.E.C.) are included in our prices on the condition that they are returned in fully loaded railway-waggons or trucks.

Before return, please contact our forwarding department.

All possible charges for customs and agents in your country are for your own account.

5. TERMS OF PAYMENT

09-11-1992

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See chapter 3 - Prices.

Our bankers are :

- KREDIETBANK N.V.
Dorpsstraat 122
3900 OVERPELT / BELGIUM
Account nr. 456-1505001-73
- BANK VAN PARIJS EN DE NEDERLANDEN
Stationsstraat 18
3920 LOMMEL / BELGIUM
Account nr. 559-2562800-58
- BANK BRUSSEL LAMBERT
Kerkstraat
3920 LOMMEL / BELGIUM
Account nr. 335-0090028-58

6. TERMS OF DELIVERY

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6.1. In general, the minimum ordering quantity for standard types (clear, frosted, satinated etc...) is:

"25 standard boxes or one pallet".

6.2. For all other special types, the following procedure is applicable:

- Minimum order: ca. 300.000 bulb.
- Delivery of total quantity should be within a period of six months.

6.3. The minimum order per shipment is:

- For deliveries in Europe:
fully loaded trucks or railway-waggon.
- For deliveries to oversea-countries:
in oversea containers:
 - 1 full 40-feet-container = 650 boxes
 - 1 full 20-feet-container = 315 boxes
 - palletised : 5 pallets of 25 boxes.

(Quantities per box: see chapter 13, page 13.6).

6.4. In order to assure prompt deliveries and to avoid misunderstandings, please use for ordering of the different bulbtypes the Emgo-denomination (e.g. A 60 frosted) and/or the Emgo-ordering-codenumbers (see chapter 2).

6. TERMS OF DELIVERY

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Page 6.1

6.5. GENERAL ORDERING PROCEDURE

=====

The punctual execution of your orders is facilitated when the following ordering procedure is adhered to:

- Each September, you send us an "Orientation for delivery of bulbs", specifying the types and resp. quantities required for the following calender year.
- Twice a year (in the beginning of May and November), you indicate us your orientation specification of types and quantities required.
- Please send us your definite orders at least 4 weeks before the date of the required delivery from our factory.
All your orders will be confirmed by us within 7 days after order arrival, indicating the week of delivery.
- Please use for ordering type and codenumbers as mentioned on pages 2.1 and 2.2.

7. OTHER TERMS

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- Shipments showing evident manufacturing defects will be credited, after the normal complaint procedure.
 Eventual replacement has to follow the normal order procedure.

- EMGO shall not, under any circumstances, be obliged to keep any ordered bulbs in stock for a specific customer.
 Shipments will be made as soon as full railway-waggon or trucks have been composed.

- EMGO shall notify its customers as soon as possible in the event of force majeure (unforeseen circumstances) occurring in its factory, in the factory of EMGO's suppliers, during transport, or for other reasons which prevent the proper execution, in whole or in part, of pending orders. Under the aforementioned circumstances and in general when the production output does not suffice or fulfill all obligations, EMGO shall try, as much as possible, to distribute the available quantities proportionally to its customers.

- The aforementioned conditions are valid until further notification is received from EMGO.

8. EMGO-GLASS PROPERTIES

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Glass 241 is a soda-lime glass for bulbs.

Mechanical properties :

Density = $2,49 \pm 0,02 \text{ g/cm}^3$

Thermal properties :

Expansion coefficient (linear) 25 - 300 °C = $94,0 \pm 1 \times 10^{-7}$

Strain point = $505 \pm 5^\circ\text{C}$

Annealing point = $535 \pm 5^\circ\text{C}$

Softening point = $705 \pm 10^\circ\text{C}$

Electric properties :

Conductivity : $\log \rho \text{ 250 }^\circ\text{C} = 6,6 \pm 0,1$

$\log \rho \text{ 350 }^\circ\text{C} = 5,2 \pm 0,1$

9. QUALITY INSPECTION SYSTEM

01-04-1994

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9.1. CLASSES OF DEFECTS

Bulb defects have been divided into four main classes.

- | | | |
|------------------|---|--|
| <u>Class I</u> | : | Defects which may render lamps inoperative. |
| <u>Class II</u> | : | Defects which may render bulbs unserviceable. |
| <u>Class III</u> | : | Defects which may render the appearance objectionable. |
| <u>Class IV</u> | : | Defects of bulb dimension. |

9.2. A.Q.L.-SYSTEM

A lot is the quantity of each bulbtype in one delivery (waggon or truck).

The following A.Q.L.'s are designated for sampling inspection of lots :

- | | | |
|-----------|----------|---|
| Class I | A.Q.L. : | 0,40 % of the sum of class-1-defects.
For candle types 0,65 %. |
| Class II | A.Q.L. : | 2,5 % of the sum of class-2-defects.
For R-types and E80 : A.Q.L. 1,5 %. |
| Class III | A.Q.L. : | 4 % of the sum of class-3-defects. |
| Class IV | A.Q.L. : | 2,5 % of any defect. |

To justify a complaint, it is necessary to use a control system based on :

- mil. St. 105 D or ISO 2859 for attributes
- mil. St. 414 or ISO/DIS 3951 for variables.

- | | | |
|----------|---|--------------------|
| LEVEL II | : | for complete lots. |
| LEVEL I | : | for part of a lot. |

9. QUALITY INSPECTION SYSTEM

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Page 9.1

Or, it is necessary to use one of the following tables (table I till and including table IV) which are based on ISO 2859 and ISO/DIS 3951.

The samples taken at random have to be taken out of min. 10 boxes on different places.

Remark : The inspection of defect-groups has to be done on basis of :

- table II for attributes.
- table IV for variables.

Inspection by attributes (classes 1, 2, 3 - defects)

Single sampling-plan - normal inspection for COMPLETE LOTS (LEVEL II : ISO 2859).

TABLE I

Lot Size	Sample Size	A.Q.L.											
		0,40 %		0,65 %		1 %		1,5 %		2,5 %		4 %	
		AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.
10.000 - 35.000	315	3	4	5	6	7	8	10	11	14	15	<u>21</u>	<u>22</u>
35.001 - 150.000	500	5	6	7	8	10	11	14	15	<u>21</u>	<u>22</u>	*	*
> 150.000	800	7	8	10	11	14	15	21	22	*	*	*	*

* For this A.Q.L. take the above sample size and the related number of defects.

9. QUALITY INSPECTION SYSTEM

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Sampling-plan - normal inspection - FOR PART OF A LOT

TABLE II (LEVEL I : ISO 2859)

Lot Size	Sample Size	A.Q.L.											
		0,40 %		0,65 %		1 %		1,5 %		2,5 %		4 %	
		AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.	AC.	RE.
3.200 - 10.000	80	1	2	1	2	2	3	3	4	5	6	7	8
10.001 - 35.000	125	1	2	2	3	3	4	5	6	7	8	10	11
> 35.000	200	2	3	3	4	5	6	7	8	10	11	*	*

* For this A.Q.L., take the above sample size and the related number of defects.

Remark : min. size of defect group : 3.200 pieces.

9. QUALITY INSPECTION SYSTEM

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Inspection by variables (only dimensions)

Tables III and IV are based on the "S"-method ISO 3951.
To accept a complaint, the statistic is :

$$\left| \bar{X}_n + kS_n \geq Ls \quad \text{or} \quad \bar{X}_n - kS_n \leq Li \right|$$

$\bar{X}_n$ = mean value of x for the sample of n items.

k = acceptability-constant. (see tables)

S_n = standard deviation of n items

$$S_n = \sqrt{\frac{\sum_{i=1}^n (X_i - \bar{X})^2}{n - 1}}$$

Ls = Upper Specification Limit.

Li = Lower Specification Limit.

Single sampling-plan - normal inspection "S"-method.

TABLE III. - FOR COMPLETE LOTS - A.Q.L. 2,5 % (LEVEL II).

Lot size	Sample size	Acceptability-constant k
10.001-35.000	100	1,67
$\geq$ 35.000	150	1,70

9. QUALITY INSPECTION SYSTEM

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Single sampling-plan - normal inspection "S"-method.

TABLE IV. - FOR PART OF A LOT - A.Q.L. 2,5 % (LEVEL I).

Lot size	Sample size	Acceptability-constant k
3.201-10.000	35	1,57
10.001-35.000	50	1,61
$\geq$ 35.000	75	1,65

10. COMPLAINTS PROCEDURE

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10.1. GENERAL

A quality complaint has to be specified by the Materials/Quality Manager of the receiving factory (hereinafter called "customer") on a complaint form (see page 10.4). This complaint form has to be sent directly to the Quality Manager of Emgo.

Upon receipt of the complaint form, EMGO will, in consultation with the Quality Manager of the customer, decide whether :

- a. samples have to be sent in addition to the complaint form;
- b. a return shipment will be accepted;
- c. the materials can be destroyed locally.

Ad a. : 1. The Quality Manager of EMGO will investigate the quality complaint as specified by the customer in the complaint form and will ask for samples if necessary. EMGO will confirm by telex the date of receipt of a complaint form and will inform the customer concerned of the outcome of his findings within one month after receipt of the quality complaint form or of samples, when asked for.

- 2. Optionally the customer may send samples together with the complaint form already. This may accelerate the settlement of the complaint.

Ad b. : When it is decided to accept a return shipment of the defective material, the supplier will provide a return-authorization-number to the customer (test report).

10. COMPLAINTS PROCEDURE

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After receipt of the return-authorization-number the customer has to take the following actions :

- b.1. Mention the return-authorization-number (test report) in the invoice corresponding to the return-shipment.
- b.2. Pack a copy of both the complaint form and of the invoice together with the materials to be returned.
- b.3. Despatch the defective materials, duly invoiced, to the supplier within a period of 15 days as from the date of receiving the return-authorization-number.
- b.4. Announce by telex or telefax the despatch of the goods to the supplier, providing shipping details.
- b.5. The financial settlement resulting from this decision will be duly taken care of by the supplier after receipt of the defective material.

Ad c. : If it is decided to have the defective material destroyed locally, the supplier will indicate this on the complaint form and/or test report. The financial settlement resulting from this decision will be duly taken care of by the supplier.

10.2. DELIVERY COMPLAINTS

Complaints not concerning quality, like wrong deliveries and/or incorrect quantities (not corresponding with invoiced quantities) also have to be reported to the supplier.

10. COMPLAINTS PROCEDURE

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In this case the customer is requested to send all information with respect to the shipment concerned to the supplier by duly filling in the details as referred to in the form as shown on page 10.4.

Upon receipt of the form, the supplier will promptly react to the customer.

If a return-shipment is decided upon, the supplier will provide a return-authorization-number.

For the steps to be taken by the customer upon receipt of the return-authorization-number, we refer to the above points mentioned b.1 to b.4.

10.3. BULB BREAKAGE OR SHORTAGE

Max. 3 % of the consignment. If there is more than 3 % breakage or shortage, EMGO will send you a credit note for the part of those percentages that surpasses 3 %. For delivery outside the E.E.G., 5 % will be applied. The method how to determine the breakage/shortage should be as follow :

Take at random 10 boxes and count the net number of good bulbs and the number of broken bulbs. Indicate on the complaint form (see page 10.4) these numbers.

10. COMPLAINTS PROCEDURE

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10.4. GENERAL REMARKS

1. Return-shipments which take place without prior information and for which no return-authorization-numbers have been issued according to the above procedure, will not be accepted.
2. In no case defective lots should be collected over a period of time. In order to enable the supplier to take corrective action, it is essential that quality complaints are reported shortly after receipt of the material (max. 2 month).
3. For any complaint EMGO N.V. can only be held responsible for the bulbs which are not usable and are still available with the customer. Any other claim like higher lamp rejects, loss of machine hours, cost of sorting, etc. will not be granted. The only exception to this rule will be in case it has been agreed by EMGO in advance on a negotiation basis.
4. When a complaint is accepted, the client has to place a new order in case he wishes to receive a new delivery.

10. COMPLAINTS PROCEDURE		01.01.1991
		Page 10.4
10.5. <u>COMPLAINT FORM</u>		
From Factory :		T o b e c o m p l e t e d b y c u s t o m e r
Material/Quality Manager :	Mr/Mrs	

Product code :		
Description of product (type) :		
Invoice n° and date/order n° :		
Date+hour of bulb manufacturing:		
Delivered quantity :		b y
Rejected quantity :		
-----		c u s t o m e r
Full description of complaint :		
Results of investigation :		T o b e

Complaint :	Accepted / Not accepted	c o m p l e t e d

Settlement of complaint :	Return / Destroy	b y

Returnauthorization number :		E M G O

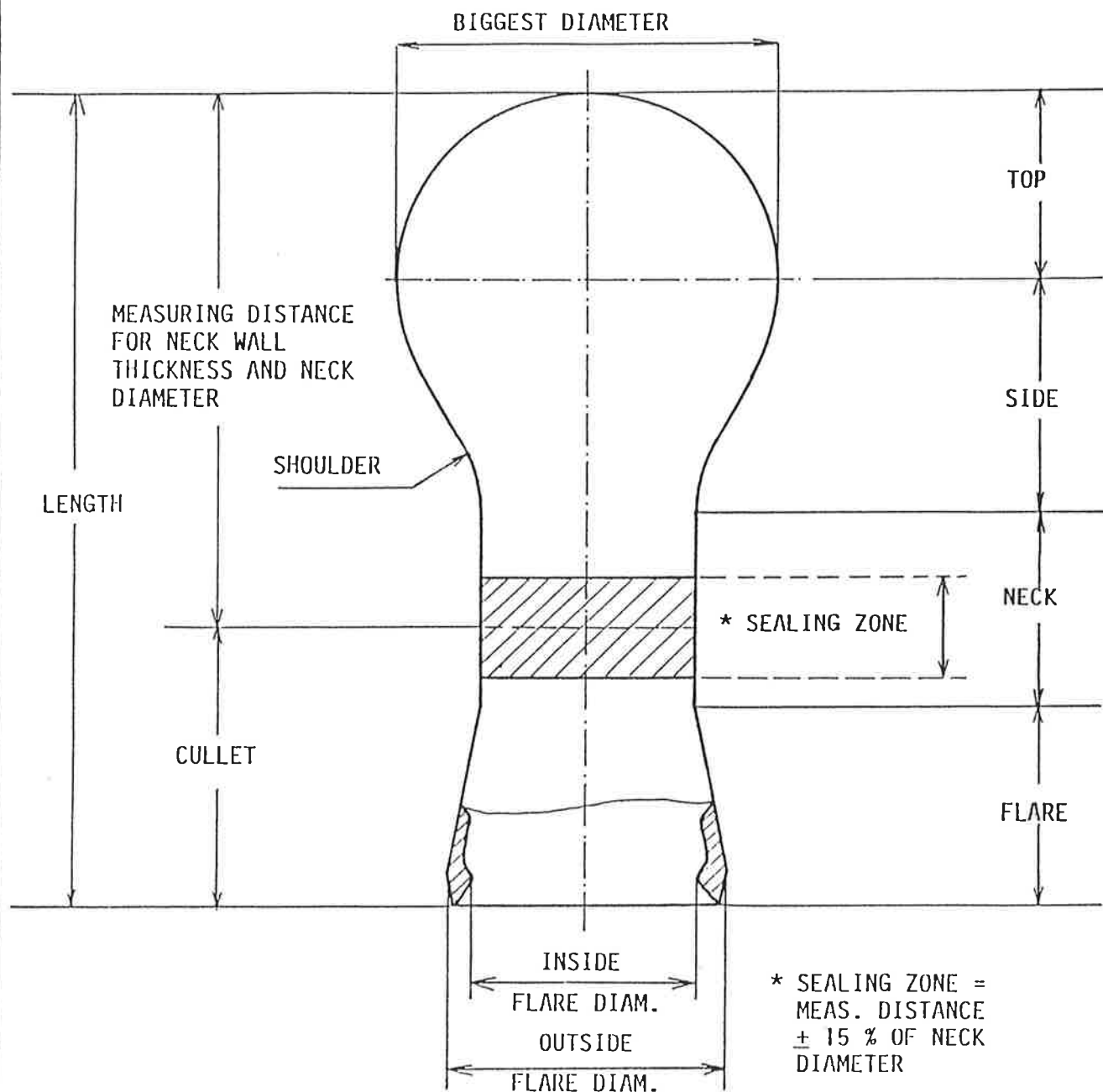
Signed by supplier		O

Copy sent to Messrs. :		

11. BULB SPECIFICATION

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12. SPECIFICATION OF DEFECTS

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Page 12.0

CLASS I DEFECTS.

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Defects which may render lamps inoperative.

- DEFECT 102 : CRACK ABOVE THE SEALING LINE.

A fissure or fissures located above the bottom of the sealing zone, extending into or through the wall of the bulb.

Inspection limits : Reject all degrees visible to the unaided eye.

- DEFECT 103 : SCALE.

A small piece of iron oxide or carbon embedded in the glass.

Inspection limits : Reject all degrees visible to the unaided eye.

- DEFECT 104 : STONE.

A piece of refractory material or other unmelted material embedded in the glass.

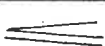
Inspection limits :

a. If not covered with glass on both sides : reject all degrees visible to the unaided eye.

b. Stones in sealing zone : reject all degrees visible to the unaided eye.

c. If covered with glass on both sides : max. acceptable area 1 mm².

Max. acceptable number :

bulb diameter	Total number allowed
 25 mm	max. 1
 25 mm	max. 2

Remark : "Visible to the unaided eye".

This applies to normal visual inspection. The defect itself can be defined with the aid of a magnifying glass.

12. SPECIFICATION OF DEFECTS

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CLASS II DEFECTS.

=====

Defects liable to render bulbs unserviceable.

- DEFECT 202 : FLARE CRACKED A.Q.L. 1,5 %.

A crack extending through the roll of the flare.

Inspection limits :

A crack that does not extend to the maximum diameter of the flare is accepted without criticism.

- DEFECT 203 : CULLET CRACKED.

A crack in the cullet of the bulb.

Inspection limits :

Reject all degrees visible to the unaided eye.

- DEFECT 213 : OUTSIDE FIN.

A piece of glass protuding from the flare of the bulb, perpendicular on the AB-line.

Inspection limits :

Piece of glass + flare diameter should not exceed the maximum flare diameter of the specification of that type of bulb.

- DEFECT 214 : FLARE BROKEN.

A break above the flare roll in which a portion of the bulb is separated from the rest of the bulb.

Inspection limits :

Max. acceptable break : a clean break extending into the neck, the height of the flare and/or one third of the circumference of the flare.

- DEFECT 215 : BULB SHOULDER SLACK BLOWN.

A bulb shoulder which is not fully blown.

Inspection limits :

Reject all degrees in excess of the maximum acceptable sample.

12. SPECIFICATION OF DEFECTS

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Page 12.2

- DEFECT 216 : BULB CHIPPED.

A bulb having a chip out of its surface anywhere in/or above the sealing zone.

Inspection limits :

Maximum acceptable total area : 1 mm² or max. 2 mm length.

- DEFECT 226 : NECK TWISTED A.Q.L. 1 %.

A bulb with a wrinkled stem and/or shoulder due to twisting in the mould.

Inspection limits :

reject all degrees with unaided eye.

Note : a flare twisted is not a 226 defect. This is a CLASS 4 defect : "Flare opening small".

- DEFECT 227 : PINCHED TOP (by twisted candle).

A bulb which top is pinched by the mould.

Inspection limits :

Reject if the bulb can not be taken up by the vacuum apparatus.

- DEFECT 228 : TOP BROKEN (by candle types).

A bulb with an obvious broken top.

- DEFECT 236 : TOP SLACK BLOWN.

A bulb with its top not fully blown.

Inspection limits :

. Control this defect with vacuum apparatus or compare with maximum acceptable sample.

. By candle bulbs : out of specification limits (Class 4 defect).

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.3

CLASS III DEFECTS.

=====

Defects which may render the appearance objectionable.

- DEFECT 301 : GLASS ADHERED.

A piece of glass welded to the bulb surface but foreign to it.

Inspection limits :

Maximum acceptable total area of adhered glass is : 1 mm²
or max. 2 mm length.

- DEFECT 302 : BULB DIRTY.

A bulb which has oil, wax, rust spots or other sedimentary material on its surface, either inside or outside.

Inspection limits :

Maximum acceptable total area :

- . Top of bulb : 2 mm²
- . Side of bulb : 5 mm²

- DEFECT 304 : BULB INDENTED OR FLAT IN BOWL AND STEM.

A bulb with its contour irregular due to flattening or indentation.

Inspection limits :

- a. Bulb flat and bulb indented, see sample for maximum acceptable.
- b. Stem flat : see individual specification for minimum stem opening (defect n° 413).

12. SPECIFICATION OF DEFECTS

01.01.1991

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- DEFECT 309 : BULB MOULD MARKED.

1. Side mould marked:

A bulb with a pinched side.

Inspection limits :

See sample for maximum acceptable.

2. Bulb mould marked:

A bulb with small marks on its surface caused by contact with the mould.

Inspection limits:

See sample for maximum acceptable.

- DEFECT 310 : SIDE MOULD RINGED.

A bulb with its side having one deep ring.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 311 : BULB MOULD RINGED.

A bulb having, on its surface, a fine ringed appearance.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 312 : BULB SCRATCHED.

A bulb having small scratches or abrasions on its surface.

Inspection limits :

A deep readily palpable scratch, maximum 6 mm long.

- DEFECT 313 : TOP MOULD RINGED.

A bulb with its top having one deep ring.

Inspection limits :

See sample for maximum acceptable.

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.5

- DEFECT 314 : BUTTERFLY TOP.

A bulb with its top having a butterfly appearance.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 315 : ROUGH TOP.

A bulb with the top having a rough appearance.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 316 : TIP TOP.

A bulb having a protuberance at the center of the top.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 321 : BLISTERS.

A bubble with dimensions beyond established limits.

Inspection limits :

a. Open blisters on the outside surface : reject all degrees.

b. Blisters below the sealing zone will not be considered critisable.

c. Blisters in the sealing zone : max. acceptable size 0,5 mm.

d. Above the sealing zone : see table for maximum acceptable.

Bulb diameter	Blister size		
	$\leq 0,5$ mm	0,5 - 1 mm	$> 1 - 2$ mm
≤ 45 mm	Max. 15 and	2	0
> 45 mm	Max. 5/cm ²	3	1

Blisters size for elliptical blisters =

max. diameter + min. diameter.

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.6

- DEFECT 322 : CORDS - MIRROR.

A narrow band of glass having a visible different index of refraction from the surrounding parent glass.

Inspection limits :

See sample for maximum acceptable.

- DEFECT 324 : GLASS KNOT.

A transparent stone embedded in the glass.

Inspection limits : Maximum acceptable : 1 mm².

Bulb diameter	Max. number allowed
 25 mm	max. 1
 25 mm	max. 2

- DEFECT 326 : BULB POORLY WASHED.

A frosted bulb which has on its inside surface clear streaks of frosting materials.

Inspection limits :

Frosting materials are not allowed. Criticize only above the sealing circle.

- DEFECT 327 : FROST CLOUD.

An inside frosted bulb its surface having a cloud like area due to non-uniform frosting.

Inspection limits :

See sample bulb for maximum acceptable.

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.7

- DEFECT 329 : ETCHED SPOT.

A spot on the outside surface of an inside frosted bulb, caused by splashing of the frosting liquid.

Criticize only above the sealing circle.

Inspection limits :

- Above maximum diameter - maximum acceptable one or more spots, total area 2 mm². (ϕ 1,6)
- Maximum diameter to sealing zone - maximum acceptable one or more spots, total area 3 mm². (ϕ 2 mm)
- Etched spots greater than ϕ 5 mm become class II defect.

- DEFECT 330 : THIN FROST.

An inside frosted bulb whose surface is of insufficient density.

Inspection limits :

Max. 42 % frosting density; checked by means of the EMGO apparatus.

A limit sample is available on request.

- DEFECT 333 : FROST STREAKS.

An inside frosted bulb having a striped or streaked appearance due to uneven frosting.

Inspection limits :

See sample for maximum acceptable, above sealing circle.

- DEFECT 334 : PIN HOLES.

- A bulb whose inner surface shows small clear spots.

Inspection limits :

Maximum acceptable size of pin holes : 1 mm.

Maximum number allowed :

Bulb diameter	Max. Number allowed
Max. 55 mm	6
56 - 60 mm	8
61 - 70 mm	10
$\geq$ 70 mm	12

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.8

b. Clear spots greater than ϕ 5 mm become class II defect.

- DEFECT 335 : BULB MOTTLED.

An inside frosted bulb having a mottled or freckled appearance.

Inspection limits : See sample for maximum acceptable.

- DEFECT 336 : DEFECTIVE SATINATING DENSITY.

An inside satinated bulb having a satinating density out of established limits.

Inspection limits :

1. Normal satinated - density between 63 and 76 % (EMGO - apparatus).
2. High satinated - density is given on the drawing (EMGO - app.)

A limit sample is available on request.

Remark : Class-III-defects which result in a function-defect become class-II-defects.

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.9

CLASS IV DEFECTS.

=====

Dimensional defects.

- DEFECT 404 : FLARE OPENING SMALL.

The opening at the flare smaller than the established minimum limit.

Inspection limits :

See individual specification. (drawing)

- DEFECT 406 : FLARE DIAMETER LARGE.

The diameter of the flare larger than the established limits.

Inspection limits :

See individual specification. (drawing)

- DEFECT 407 : STRAIN.

A bulb which has not been properly annealed.

Inspection limits :

For maximum acceptable strain, see sample bulb.

Note : Strain must be inspected with a polariscope. In all cases the bulb shall be held in a position in the polariscope field which produces the more intense blue colour.

- DEFECT 410 : BULB NECK THICKNESS WRONG.

A bulb with neck thickness at the sealing zone outside established limits. (drawing)

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.10

- DEFECT 412 : NECK WALL THICKNESS VARIATION (streak).

A bulb with a variation in the wall thickness of the neck at the sealing circle in excess of the established limits.

Inspection limits :

$$\text{Streak in \%} = \frac{\text{Maximum minus Minimum}}{\text{MINIMUM}} \times 100 \%$$

In general maximum acceptable streak 60 %.

For exceptions see individual drawings.

- DEFECT 413 : STEM OPENING SMALL.

A stem with inside diameter smaller than the established limits.

Inspection limits :

See individual specification. (drawing)

- DEFECT 420 : TOP THICKNESS WRONG.

A bulb with its top thickness outside established limits.

Inspection limits :

See individual specification. (drawing)

- DEFECT 423 : STEM DIAMETER WRONG.

A bulb with the stem diameter at the sealing zone outside established limits.

Inspection limits :

See individual specification. (drawing)

- DEFECT 424 : BULB FRAGILE.

A bulb that does not pass the standard pressure test.

Inspection limits :

Min. strength : 100 N pressure (EMGO apparatus).

12. SPECIFICATION OF DEFECTS

01.01.19 91

Page 12.11

- DEFECT 441 : SIDE WALL WRONG.

A bulb with its side wall outside established limits.

Inspection limits :

See individual specification (drawing).

- DEFECT 442 : BULB DIAMETER WRONG.

A bulb with its diameter outside established limits.

Inspection limits :

See individual specification. (drawing)

- DEFECT 443 : BULB OUT OF ROUND.

A bulb with its contour not circular at the maximum diameter.

Inspection limits :

Maximum acceptable out of round : 2 %

Out of round = $\frac{\text{max. } \phi - \text{min. } \phi}{\text{min. } \phi} \times 100 \%$

- DEFECT 444 : STEM OUT OF ROUND.

A bulb stem with its contour not circular at the sealing circle.

Inspection limits :

Maximum acceptable out of round : 3 %.

- DEFECT 445 : TOP OUT OF ROUND (candle bulbs).

Inspection limits :

Maximum acceptable : 3 % on the concerned 0

- DEFECT 446 : BULB LENGTH WRONG.

A bulb with its overall length outside established limits.

Inspection limits :

See individual specification. (drawing)

12. SPECIFICATION OF DEFECTS

01.01.1991

Page 12.12

- DEFECT 447 : FLARE ECCENCTRIC.

The flare of the bulb not concentric with the axis of the stem.

Inspection limits :

Maximum acceptable.

Bulb ϕ (mm)	Eccentricity (mm)
≤ 35	1
36....60	1,5
> 60	2

13. PACKING OF BULBS

11.01.1993

Page 13.0

13.1. BOXES.

=====

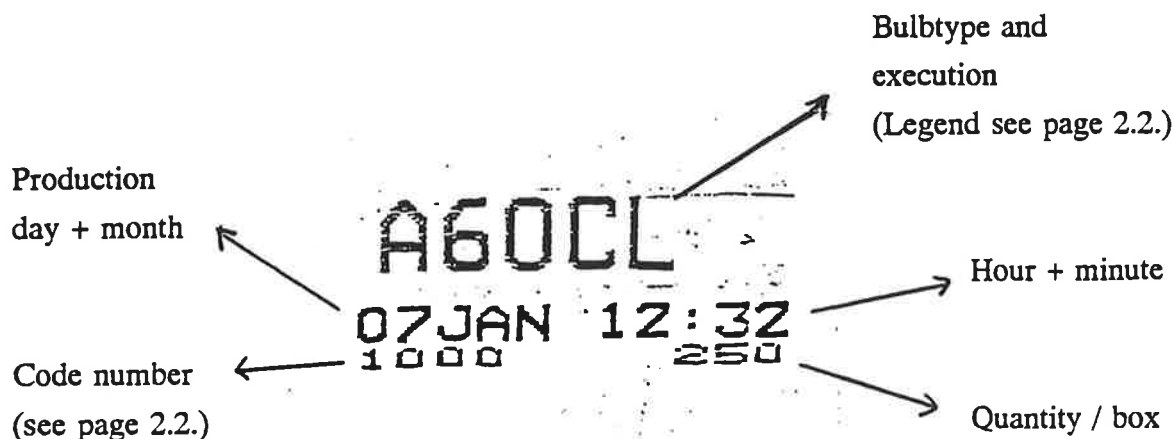
Emgo-bulbs are packed in special designed cardboard boxes of excellent quality. They assure a very good protection.

Details of Emgo-boxes : see page 13.1.

13.2. INDICATIONS ON BOXTAPE.

=====

As from production date 01.01.93 only polypropylene tape will be used, indication on boxtape is as follows :



13.3. QUANTITIES FOR FORWARDING (see also 13.6 and 13.8).

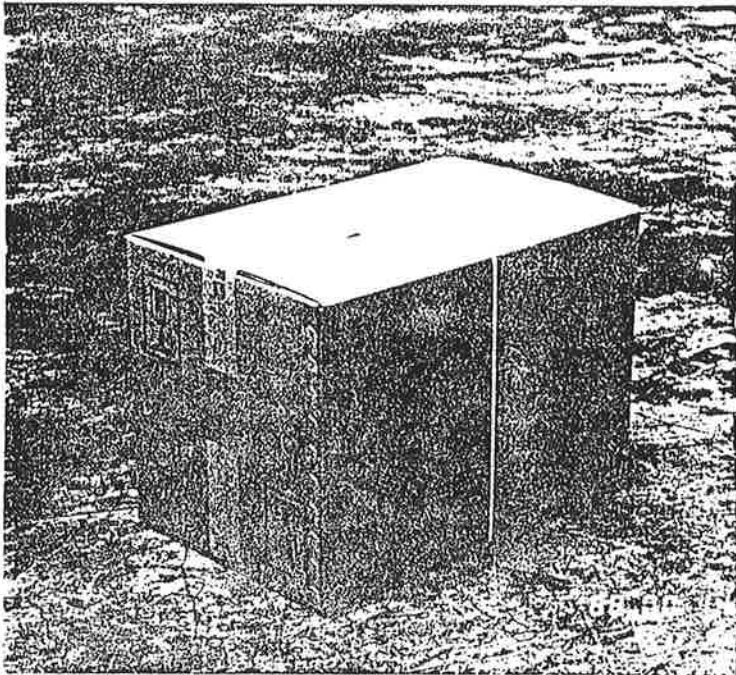
=====

- We reserve the right to dispatch only in fully loaded waggons, cars or containers (see pages 44 and 45).
- Combinations from two or more types are possible.
- Minimal order per type : 25 boxes.

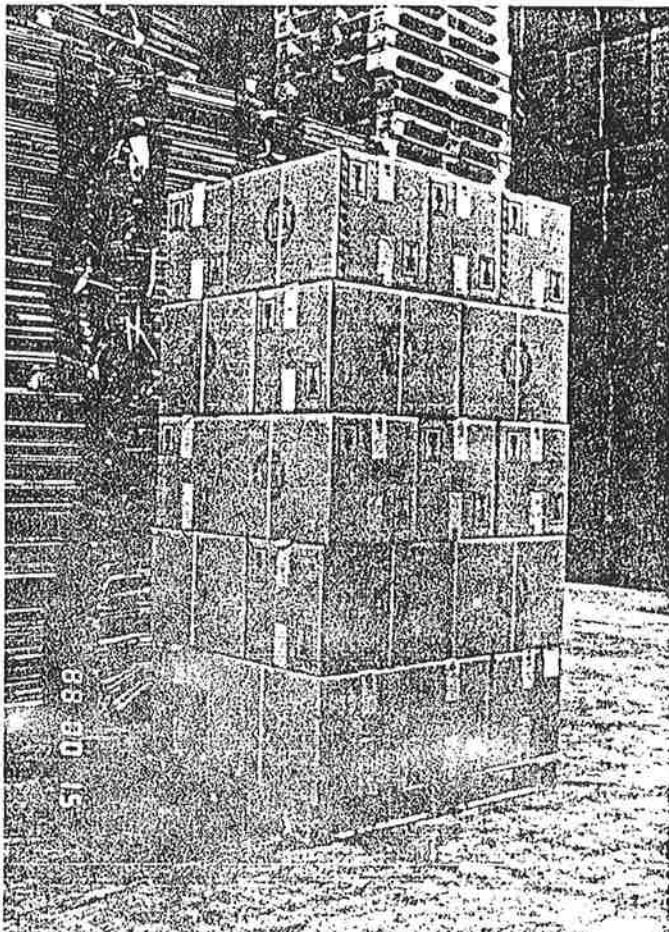
13. PACKING OF BULBS

01.01.1991

Page 13.1



- These boxes will be used for all types of bulbs.
- Size of the box:
600 x 390 x 410 mm.
- Weight of empty box:
± 1,45 kg.
- Quality : 5 layers corr. board quality inside and outside craft (dustfree).



- Palleting of EMGO-boxes in stock.
- Boxes are adjusted for normal pool-pallets 1200 x 1000 mm.
- Possibility to store 20 or 25 boxes per pallet.
- Possibility to pile up 3 pallets per 20 or 25 boxes (except bulbtypes with bulb diameter ≤ 46 mm. In this case max. 2 pallets).

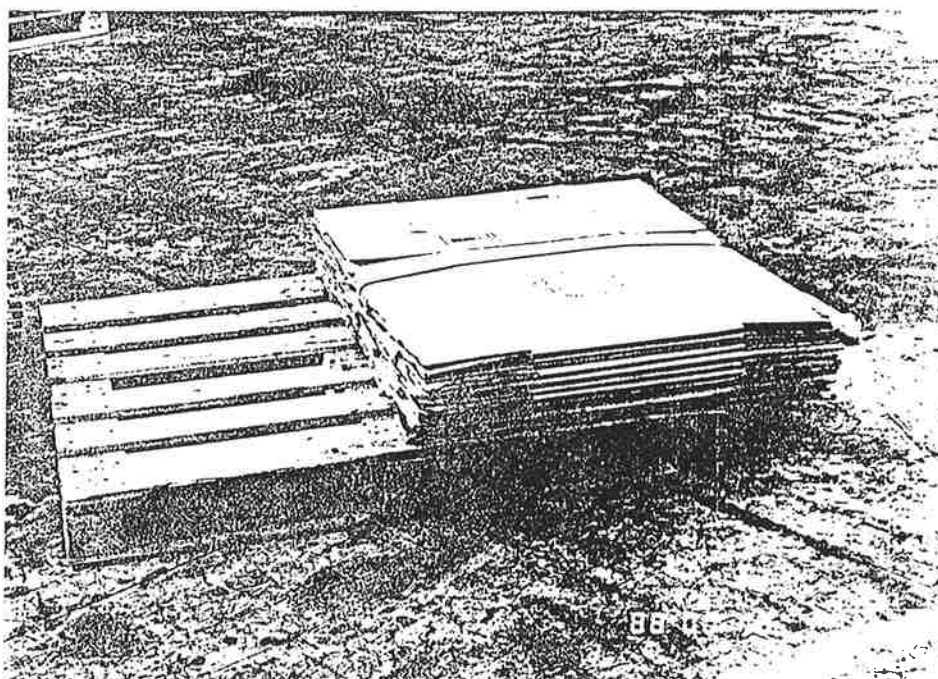
13. PACKING OF BULBS

01.01.1991

Page 13.2

13.4. RETURNING OF UNPALLETISED EMPTY BOXES.

=====



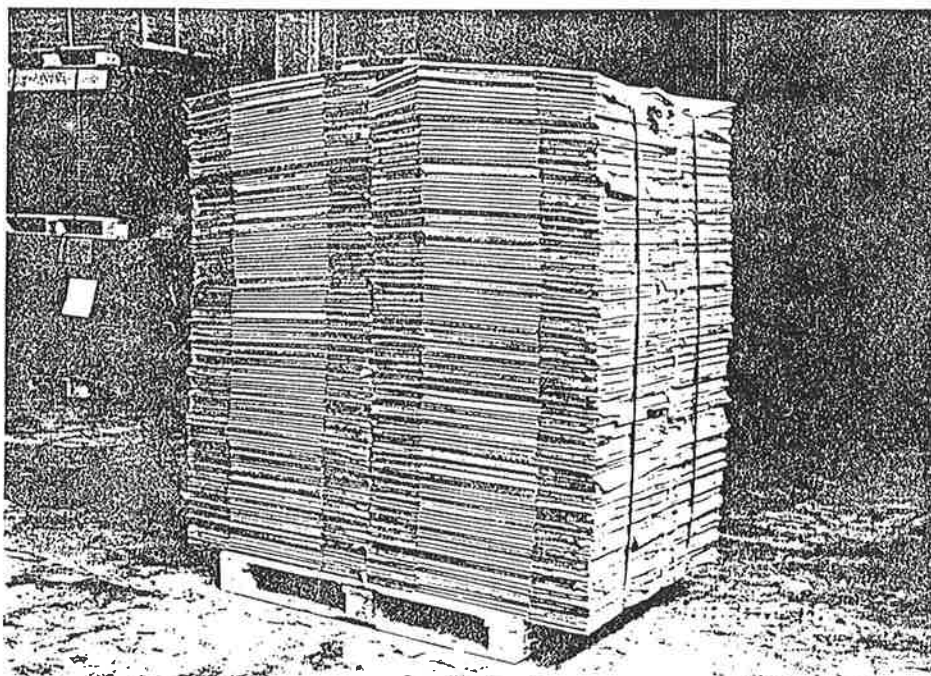
- 10 cartons (max. 15) bound or strapped together; handy and light for your workers and ours.

13. PACKING OF BULBS

01.01.1991

Page 13.3

13.5. RETURNING OF PALLETISED EMPTY BOXES.



- Unitized load at lowest costs and on a simple way.
- Can be piled up to 5 units.
- Weight (200 kg) suits our transporting equipment.

13. PACKING OF BULBS

01.01.1991

Page 13.4

13.6.1. RETURNAL OF EMPTY PACKING BY RAIL.
RETOUR D'EMBALLAGE VIDE PAR CHEMIN DE FER.
RUECKSENDUNG DES LEERGUTS PER EISENBAHN.
TERUGZENDING VAN LEGE VERPAKKING PER SPOOR.

English:

Please be so kind to return the empty packing to our address in full waggons, preferable in the waggons in which EMGO has sent you the bulbs.

We request you to fill in the waybill for the returnal of these empty packing as follows:

- point 24 : "Lommel/België - Raccordement EMGO.
Toegelaten bestemming Nr. 452."
- point 25 : Empty packing: boxes +pallets.
Goods packed in these boxes have been sent by railway.

Français:

Nous vous prions de nous renvoyer les emballages par waggons complets qui seront, de préférence, ceux dans lesquels EMGO vous a envoyé les ampoules.

Nous vous demandons aussi de bien vouloir compléter comme suit la lettre de voiture:

- point 24 : "Lommel/België - Raccordement EMGO.
Toegelaten bestemming Nr. 452."
- point 25 : Emballages vides:cartons + pallets.
Les marchandises que contenaient ces emballages, ont été expédiées par chemin de fer.

Deutsch:

Hinsichtlich der Rücksendung der Leerkartons bitten wir Sie diese in vollen Waggons an unsere Adresse zurückzuschicken, vorzüglich in den Waggons welchen von EMGO gebraucht werden um Ihnen die Kolben zuzusenden.

Wir bitten Sie auf dem Frachtbrief bezüglich der Rücksendungen folgendes zu erwähnen:

- Punkt 24 : "Lommel/België - Raccordement EMGO.
Toegelaten bestemming Nr. 452."
- Punkt 25 : Leergut: Kartons + Palletten.
Die hiermit zuletzt verpackten Güter sind auf der Eisenbahn befördert worden.

Nederlands:

Wij verzoeken u de lege dozen in volle wagons aan ons adres terug te zenden, liefst in de wagons die Emgo gebruikt heeft voor het versturen van de ballons.

Gelieve voor de retourzendingen de vrachtbrief als volgt in te vullen:

- Vak 24 : "Lommel/België - Raccordement EMGO.
Toegelaten bestemming Nr. 452."
- Vak 25 : Ledige verpakking: dozen + pallets.
De hierin verpakte goederen werden per spoor verzonden.

13. PACKING OF BULBS

01.01.1991

Page 13.5

13.6.2. RETURNAL OF EMPTY PACKING BY TRUCK.

Please contact our forwarding department when you have a full truck load of empty packing, so we can instruct the transport company to collect these the soonest possible.

Please always issue a shipping note with the exact quantities of empty boxes and pallets.

Within the E.E.C., empty packing can be returned without Com-T2-document. However, when your custom authorities prescribe the use of a Com-T2-document, the office of destination (53) =

LOMMEL/BELGIE.

13. PACKING OF BULBS

06.02.1992

Page 13.6

13.7. PACKINGS SCALE AND SHIPPING DETAILS.

Bulbtype	Bulbs per box	Weight per box (Kg)	
		Net	Gross
A 88	75	5,75	7,25
A 80 A	100	5,30	6,80
A 70	170	7,00	8,50
A 65	210	6,50	8,00
A 60	250	7,30	8,80
A 60 A	270	7,40	8,90
A 40	960	11,50	13,00
AX 61	360	7,10	8,60
AX 58	400	8,50	10,00
AX 55	500	9,50	11,00
AX 52	550	11,00	12,50
B 38	530	11,50	13,00
B 35	740	12,70	14,20
B 35 A	700	11,50	13,00
BF 75	95	7,40	9,00
BF 70	120	6,00	7,50
BF 55	235	11,30	12,80
BF 50	310	8,40	9,90
BW 50	250	8,80	10,30
BW 47	280	9,80	11,30
BW 35	740	14,40	15,90
E 80	170	6,50	8,00
E 75	145	6,00	7,50
E 60	260	7,70	9,20
E 50	420	9,60	11,10
E 45	510	10,20	11,70
G 95	75	4,50	6,00
G 80	140	5,95	7,45
GX 95	90	3,20	4,70
GX 80	150	4,00	5,50
GX 66	255	4,40	5,90
GX 62	330	4,90	6,40
GX 50	570	6,50	8,00

13. PACKING OF BULBS

11-04-1994

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BULBTYPE	BULBS PER BOX	WEIGHT PER BOX (Kg)	
		NET	GROSS
GX 95	90	3,20	4,70
GX 80	150	4,00	5,50
GX 66	265	4,60	6,10
GX 62	330	4,90	6,40
GX 57	420	5,20	6,7
GX 50	570	6,50	8,00
P 45	540	9,70	11,20
P 25	2.400	17,20	18,90
P 25 E	2.850	18,80	20,30
P 25 G	3.100	21,10	22,60
PC 45	600	10,60	12,10
PC 35	1.325	13,50	15,00
R 95	105	5,80	7,30
R 90	125	6,00	7,50
R 63 A	270	7,80	9,30
R 50	550	10,50	12,00
S 28 A *	1.380	16,90	17,40
S 25	1.640	16,60	18,20
S 22 A	2.150	18,20	20,00
T 60	240	7,25	8,75
T 29	650	10,70	12,20
T 25 A	1.450	16,30	17,80
T 25 B	970	15,00	16,50
T 22	1.400	18,60	20,10
T 22 A	1.750	15,85	17,35
T 17	3.250	20,30	21,80
TP 45	500	8,80	10,30

A88 — 39 X 203

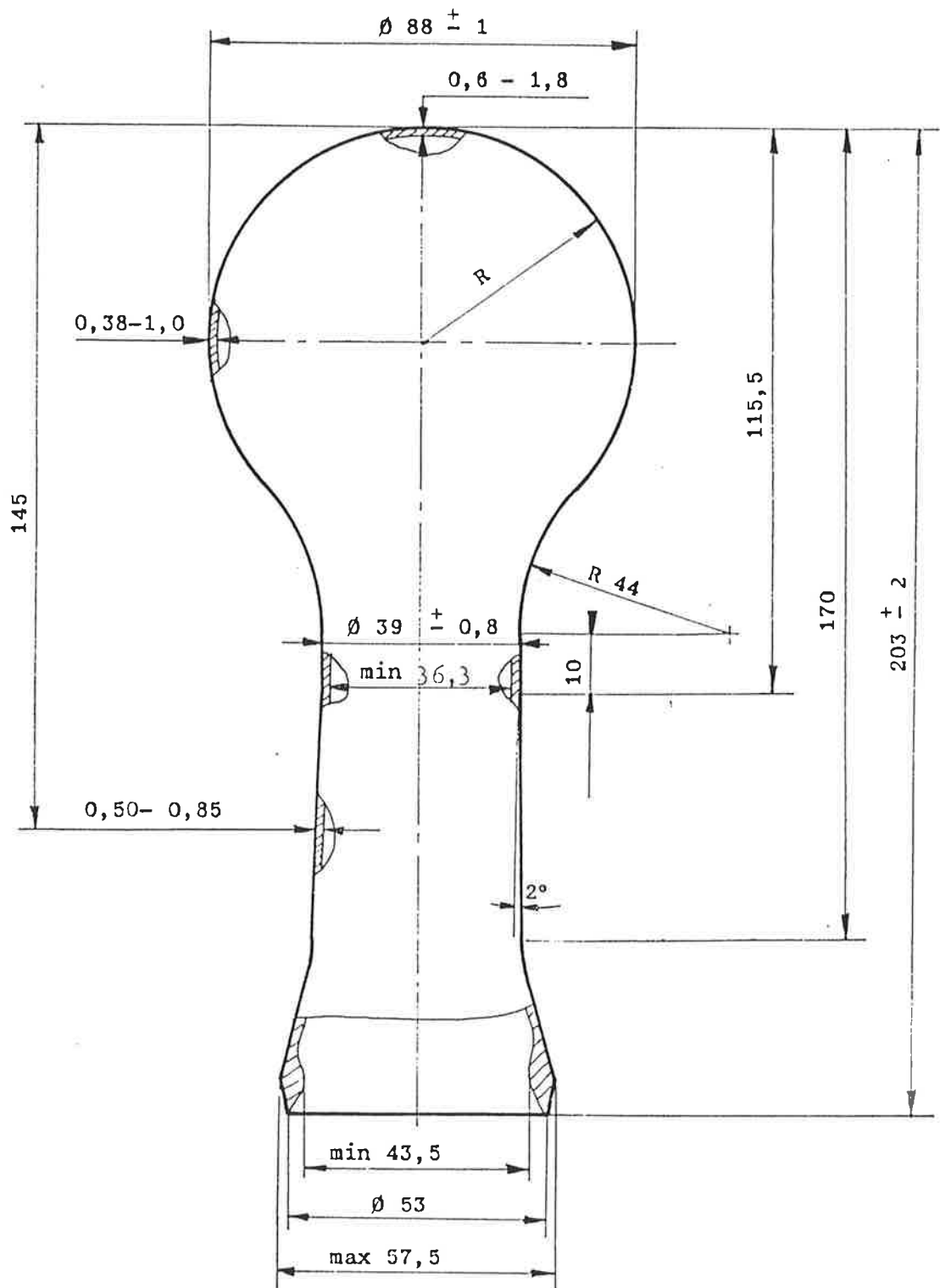
4304 045 30001

Datum :

01.01.91 02.08.1990

ORDERING CODENUMBER

Clear
3000



ca. 70 g.

scale : 3:4

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

A80A - 39 X 178

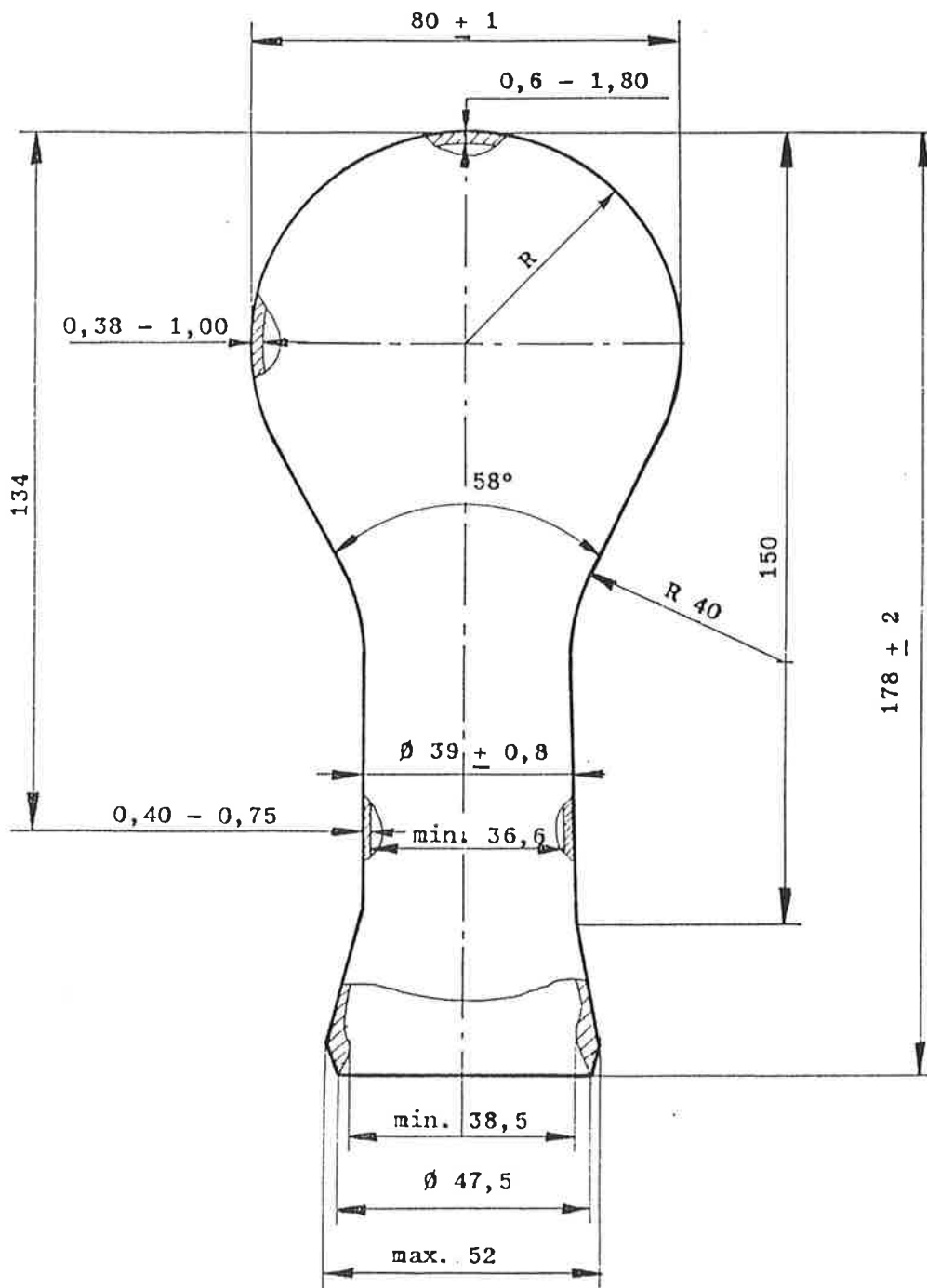
4304 044 70001

Datum :

01.01.1991 01-08-1977

ORDERING CODENUMBER

Clear	Frosted
3010	3015



ca. 52 g.

scale 3:4

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

A70 - 37 X 143

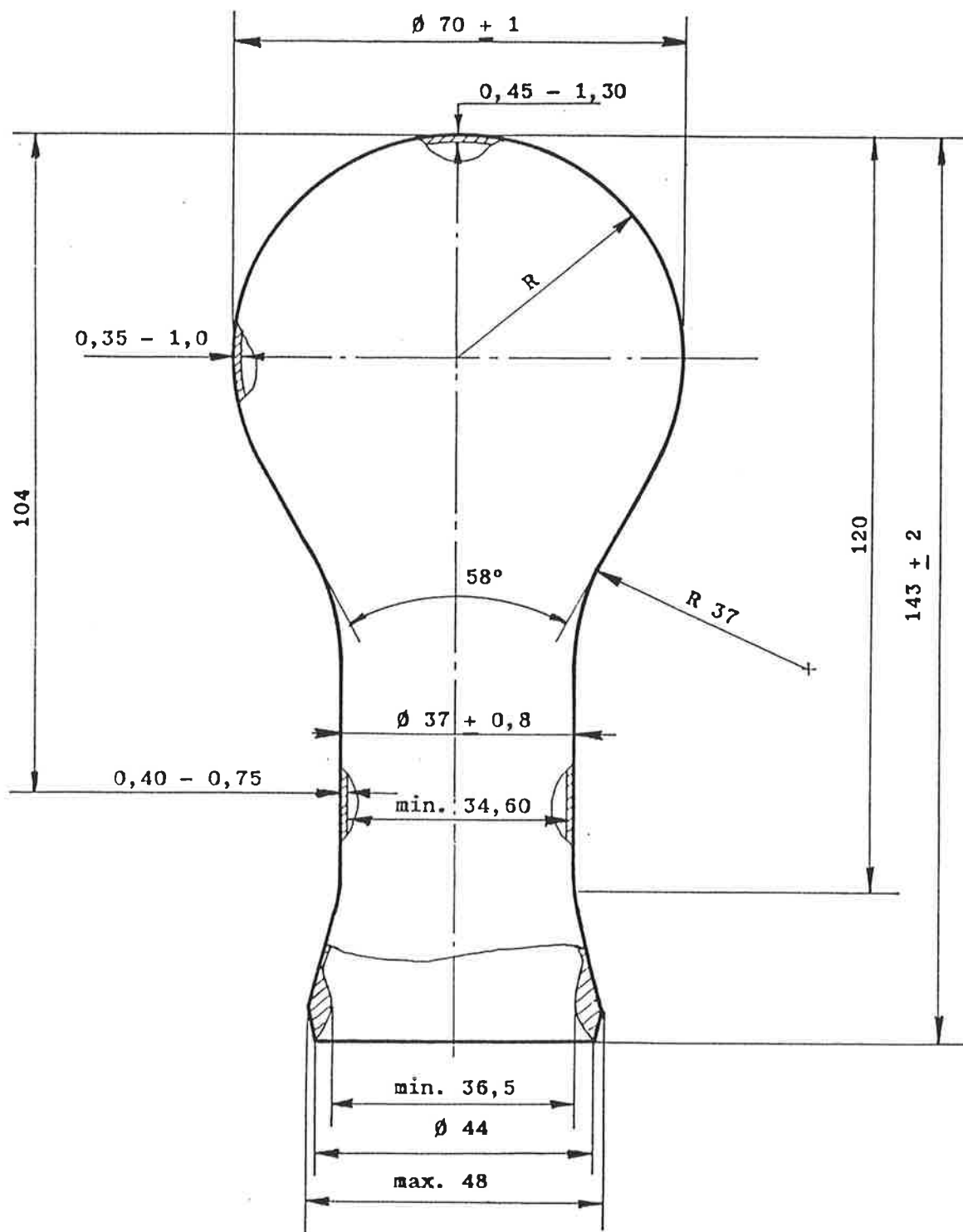
4304 044 40001

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear	Frosted
3020	3025



ca. 38 g.

A60 — 33 X 128

4304 044 00001

Datum :

01.01.1991 07.03.1990

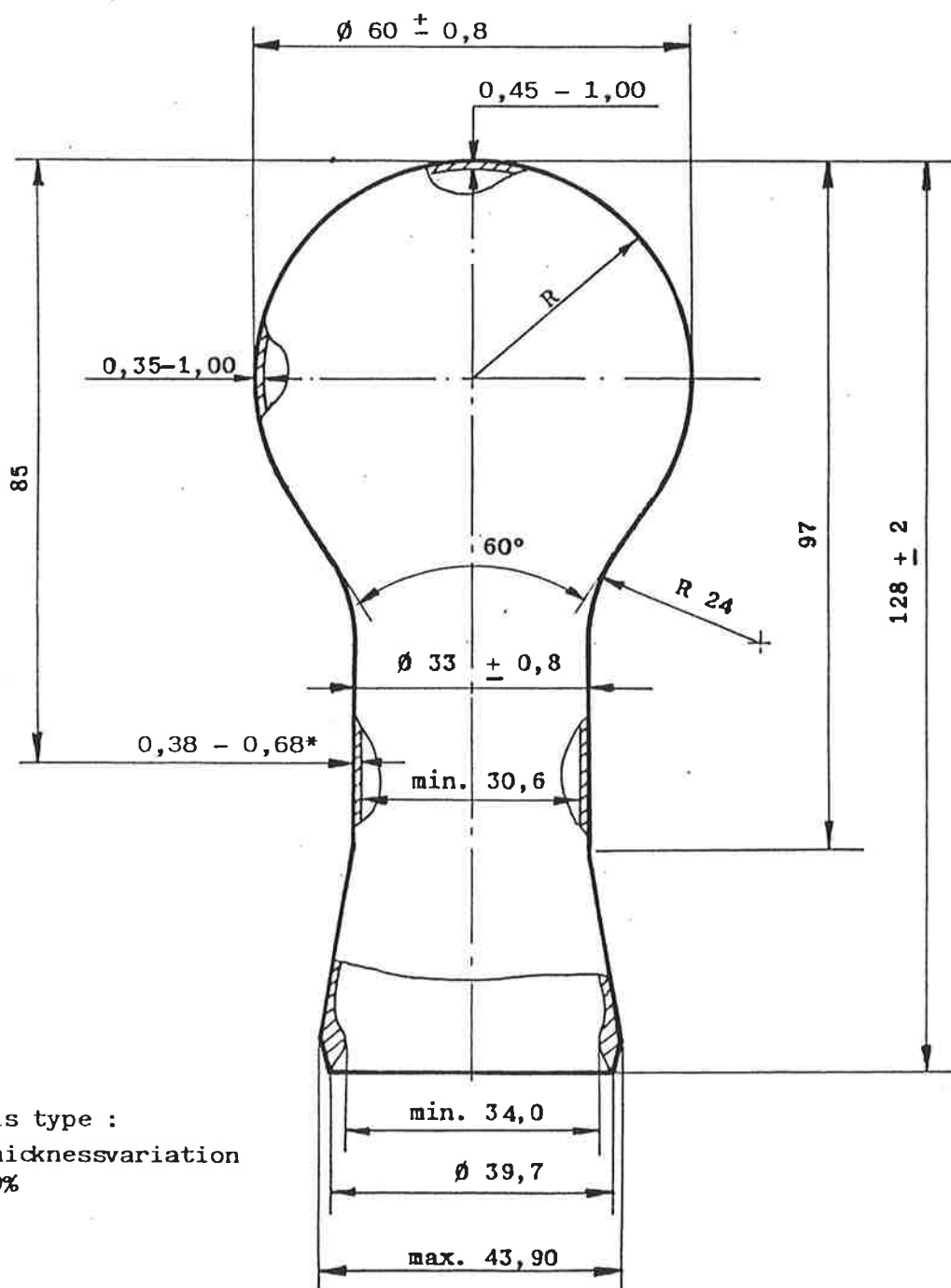
ORDERING CODENUMBER

Clear
1000

Frosted
1005

Clear "FT"
1003

Clear "TR"
1006



* For this type :
Neck thickness variation
max 50%

ca. 30 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

A60A- 28X128

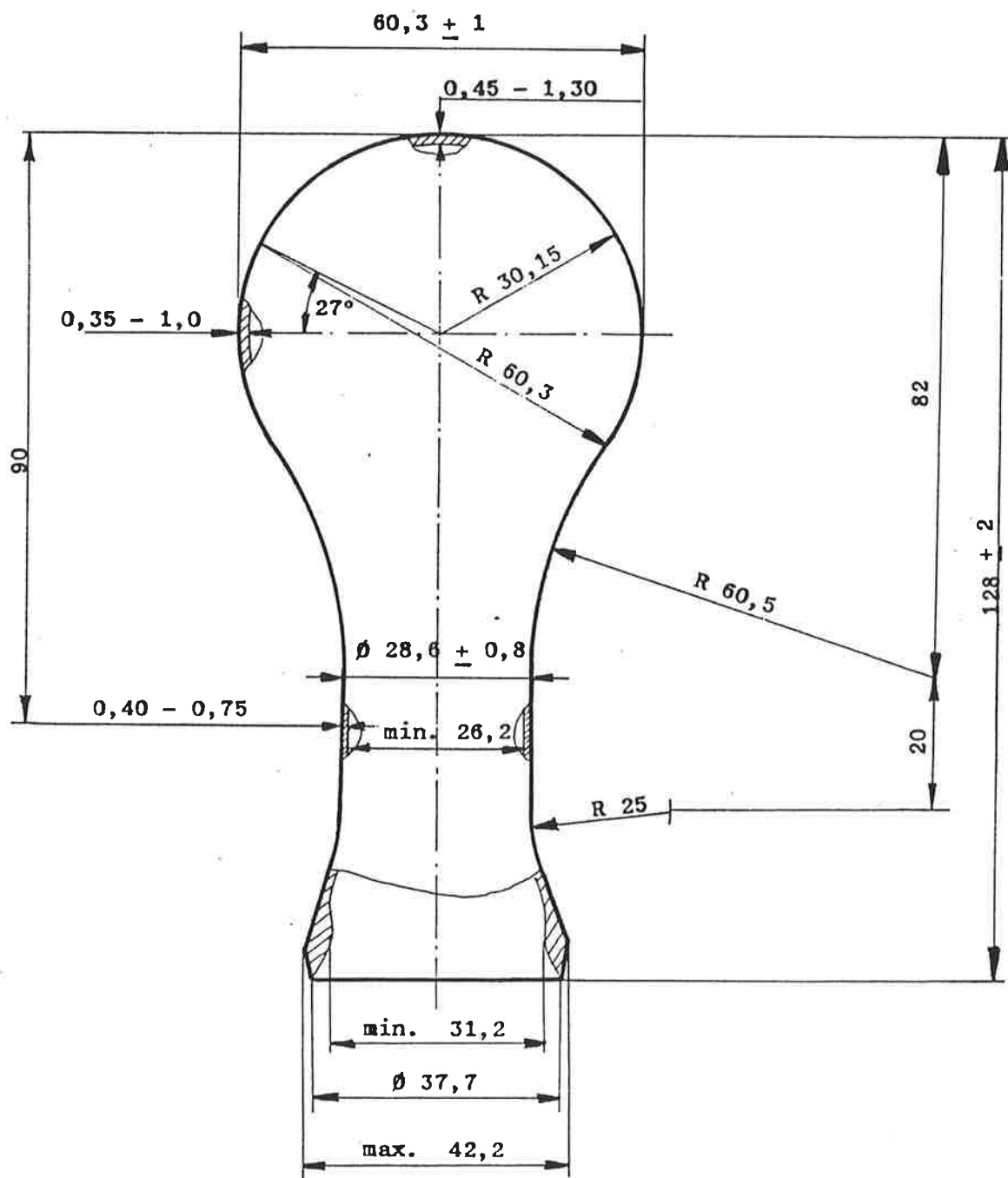
4304 043 80001

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear	Frosted
1080	1085



ca. 27 g.

A40 — 20 X 76

4304 042 50001

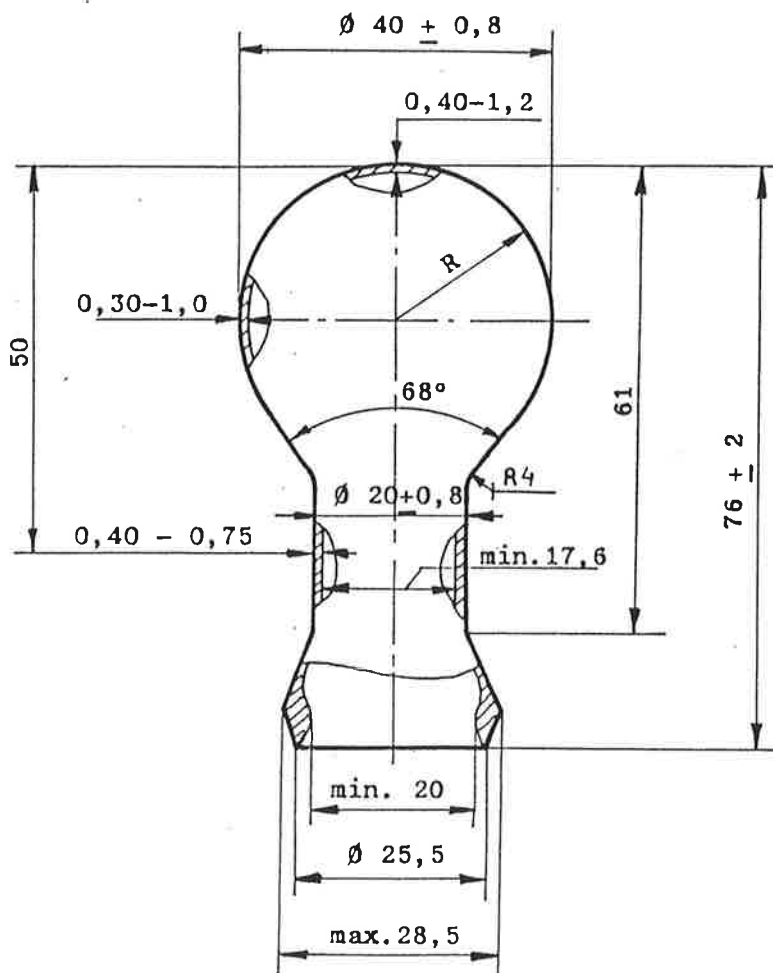
Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear

1020



ca. 12 g.

A40A - 20X76

4304 042 81201

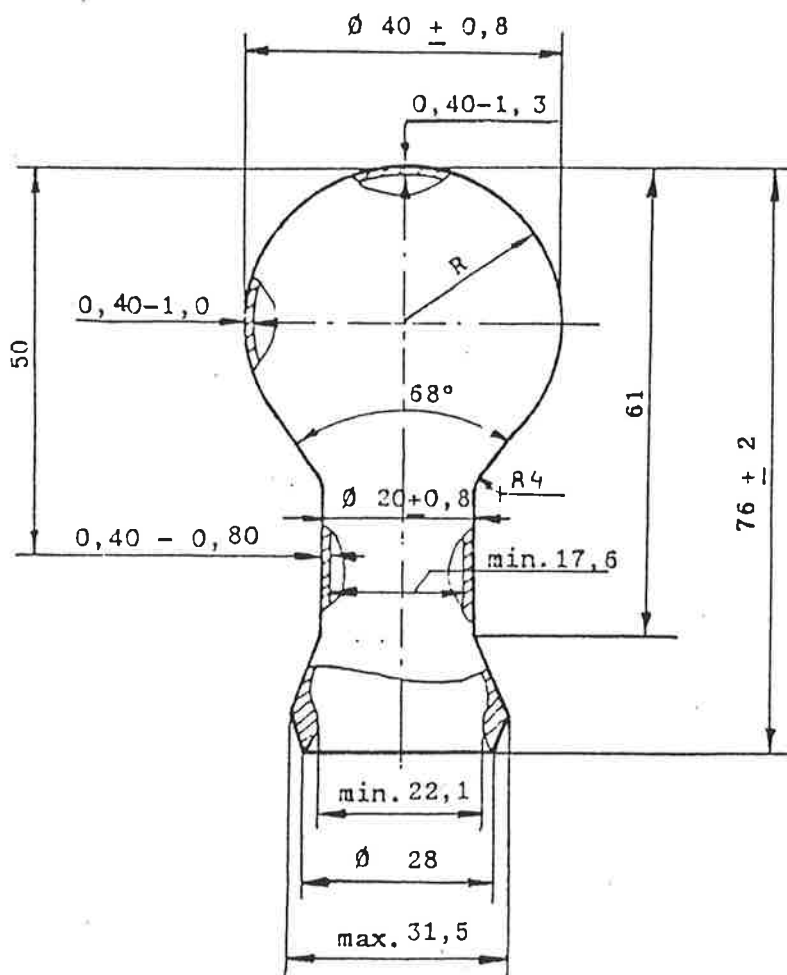
Datum :

01.01.1991 03.04.1984

ORDERING CODENUMBER

Clear

1070



EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

AX61 — 27 X 82

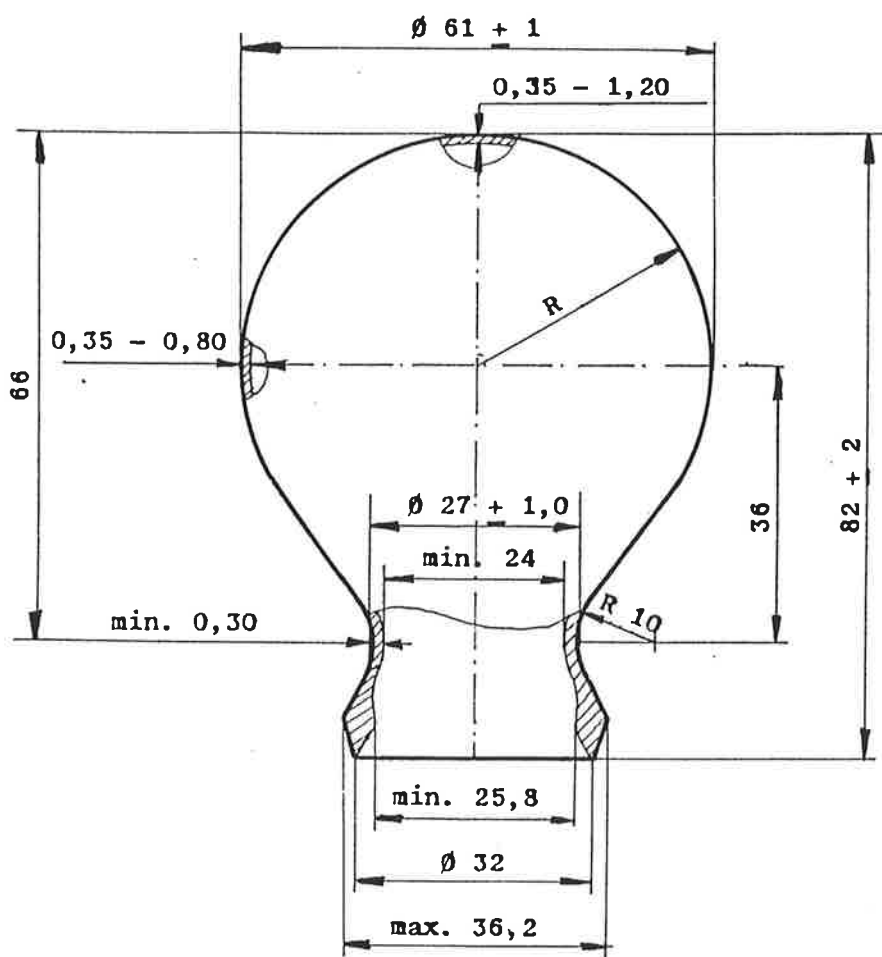
4304 043 20201

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear
1030



ca. 19 g.

AX58 - 27 X79

4304 043 20301

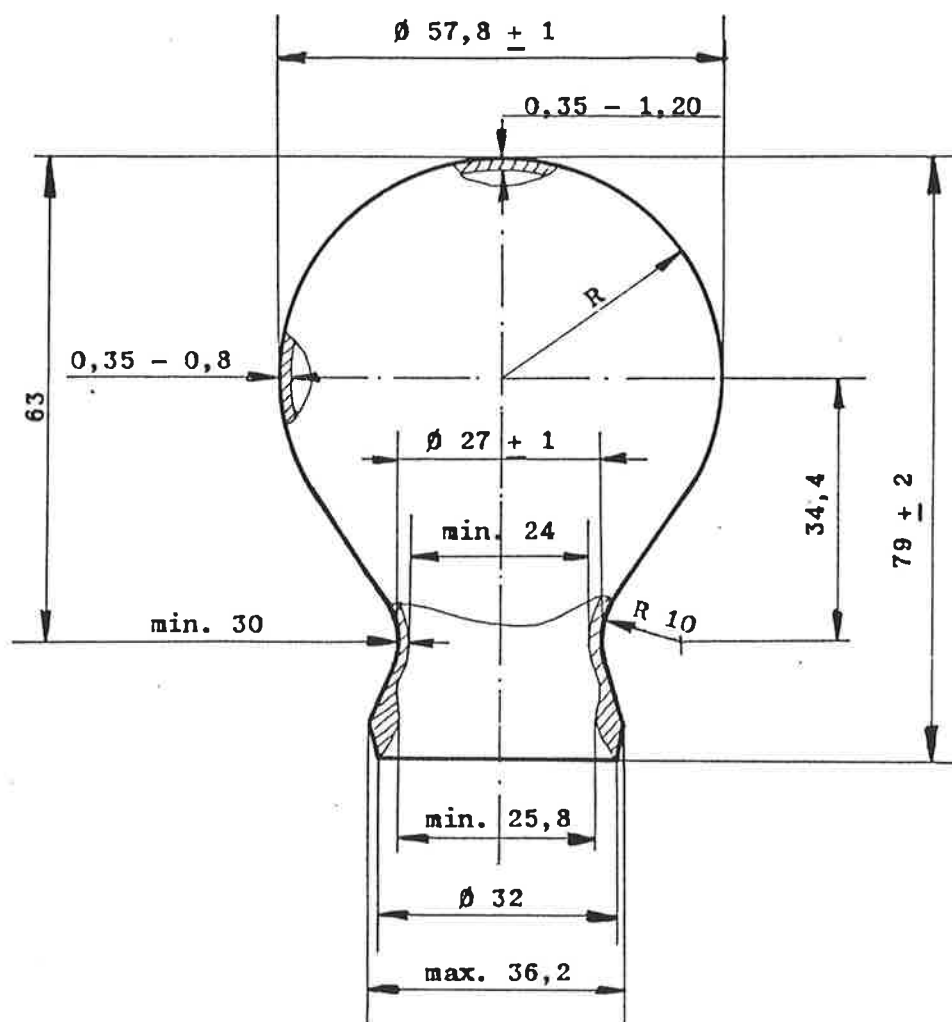
Datum :

01.01.1991 - 01.08.1977

ORDERING CODENUMBER

Clear

1040



ca. 18 g.

AX55 — 33 X 76

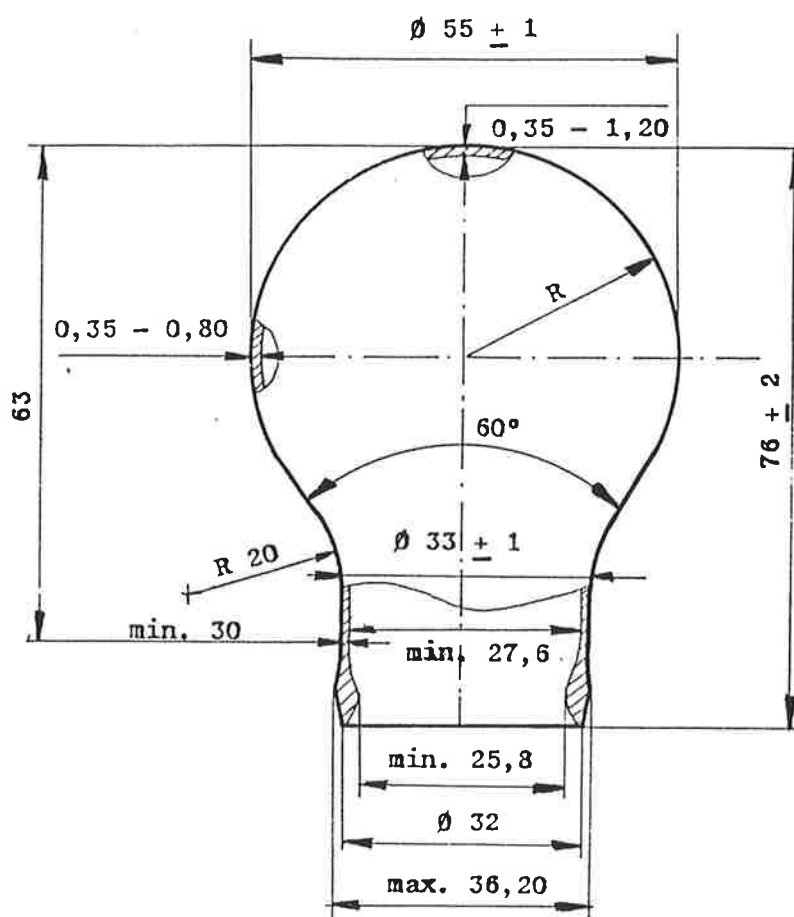
4304 043 20501

Datum :

01.01.1991 — ~~01.08.1977~~

ORDERING CODENUMBER

Clear
1050



ca. 18 g.

AX52 - 30 X 73

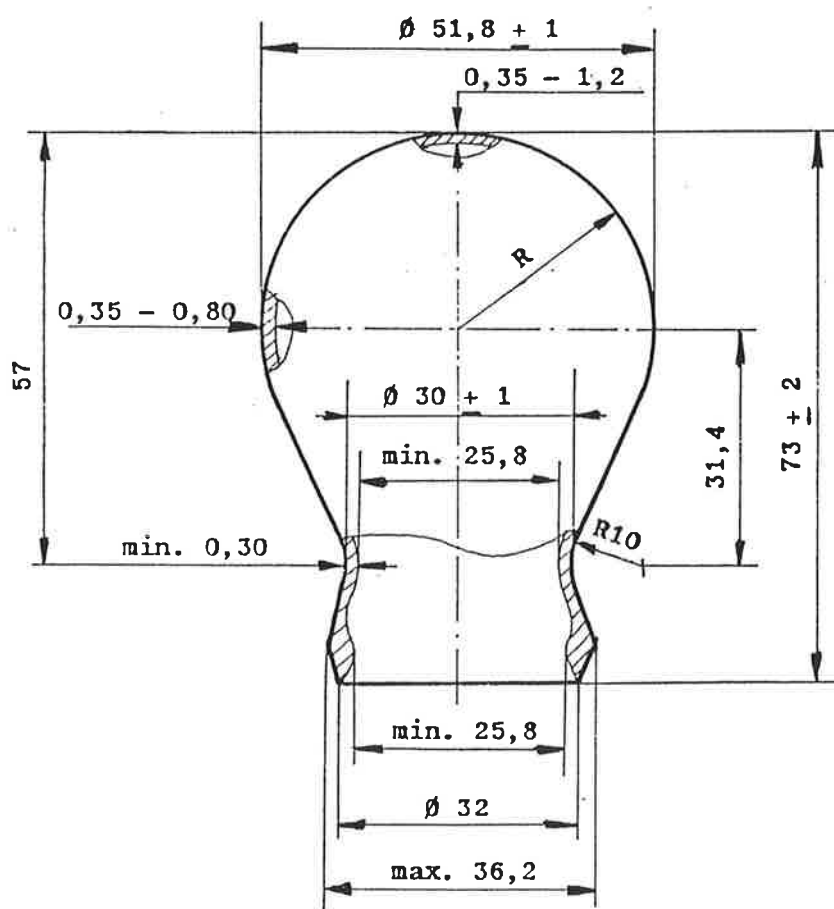
4304 043 20601

Datum :

01.01.1991 -01.08.1977

ORDERING CODENUMBER

Clear
1060



ca. 18 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.**B38- 24 X 130**

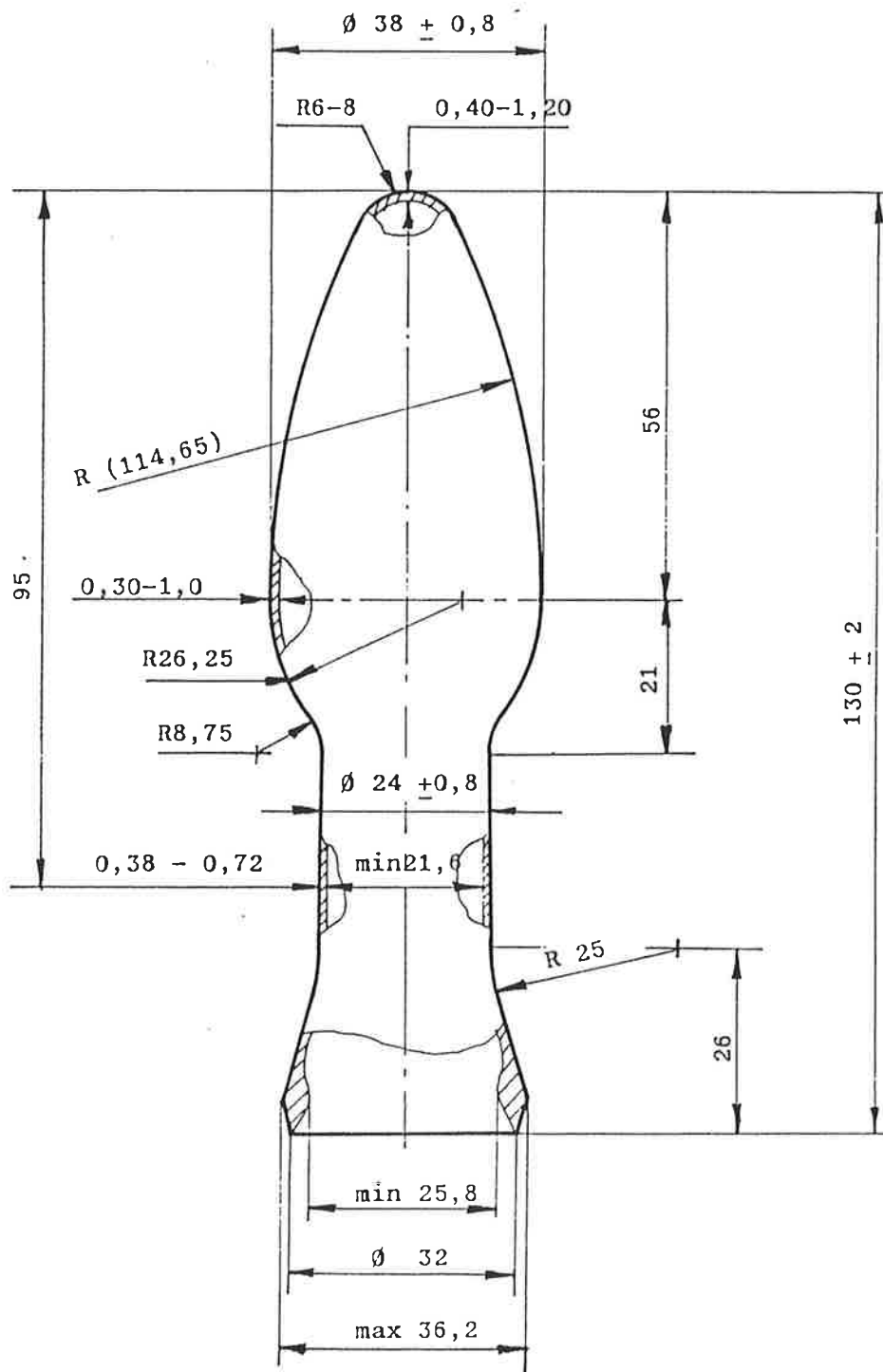
4304 043 21101

Datum :

01.01.1991 06.05.1985

ORDERING CODENUMBER

Clear	Frosted
1190	1195



ca 22 g.

B35 — 24 X 109

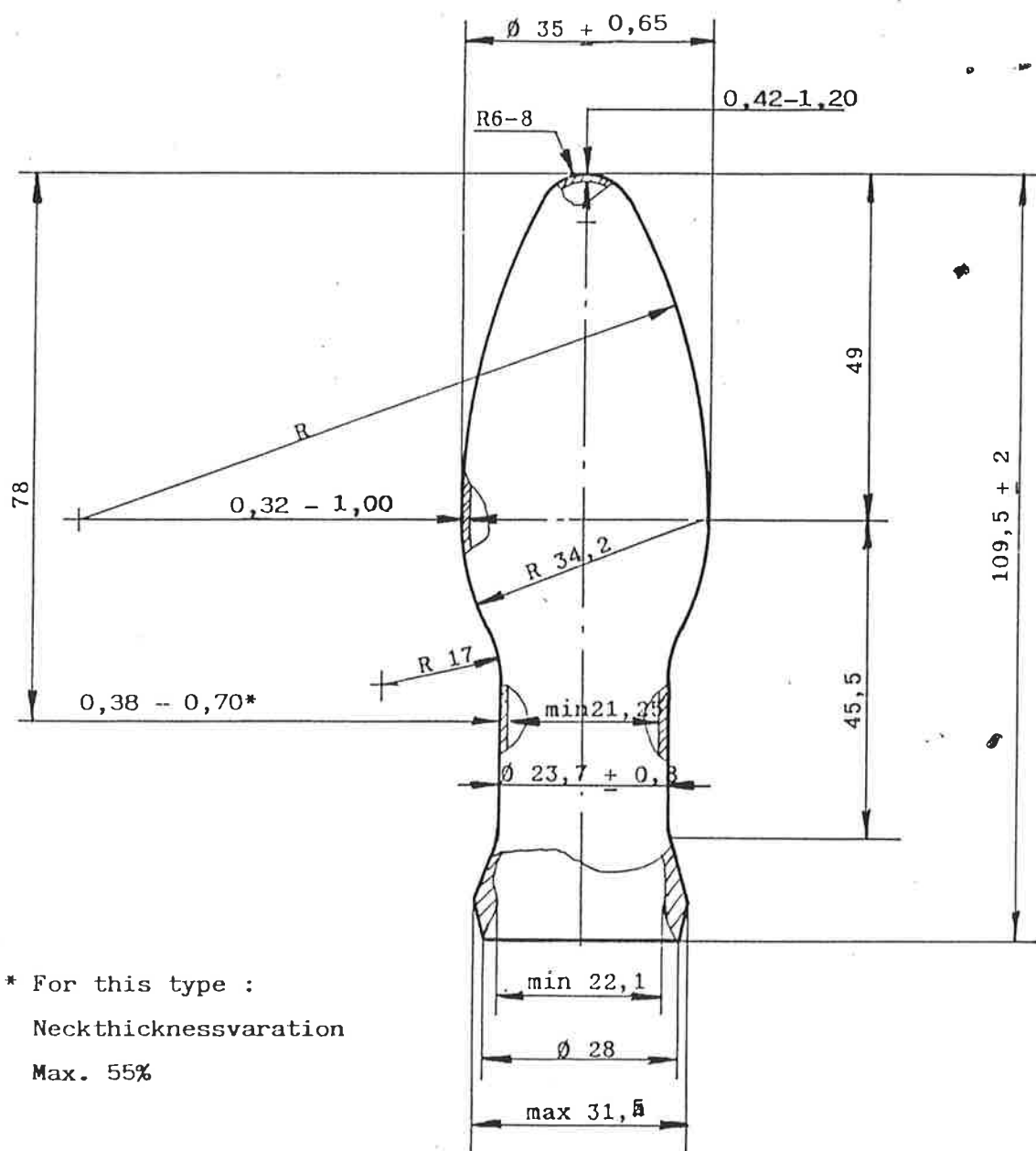
4304 042 80001

Datum :

01.01.1991 -07.03.1990

ORDERING CODENUMBER

Clear	Frosted
1100	1105



* For this type :
Neckthicknessvariation
Max. 55%

ca 17g

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

B35 A — 24 X 115

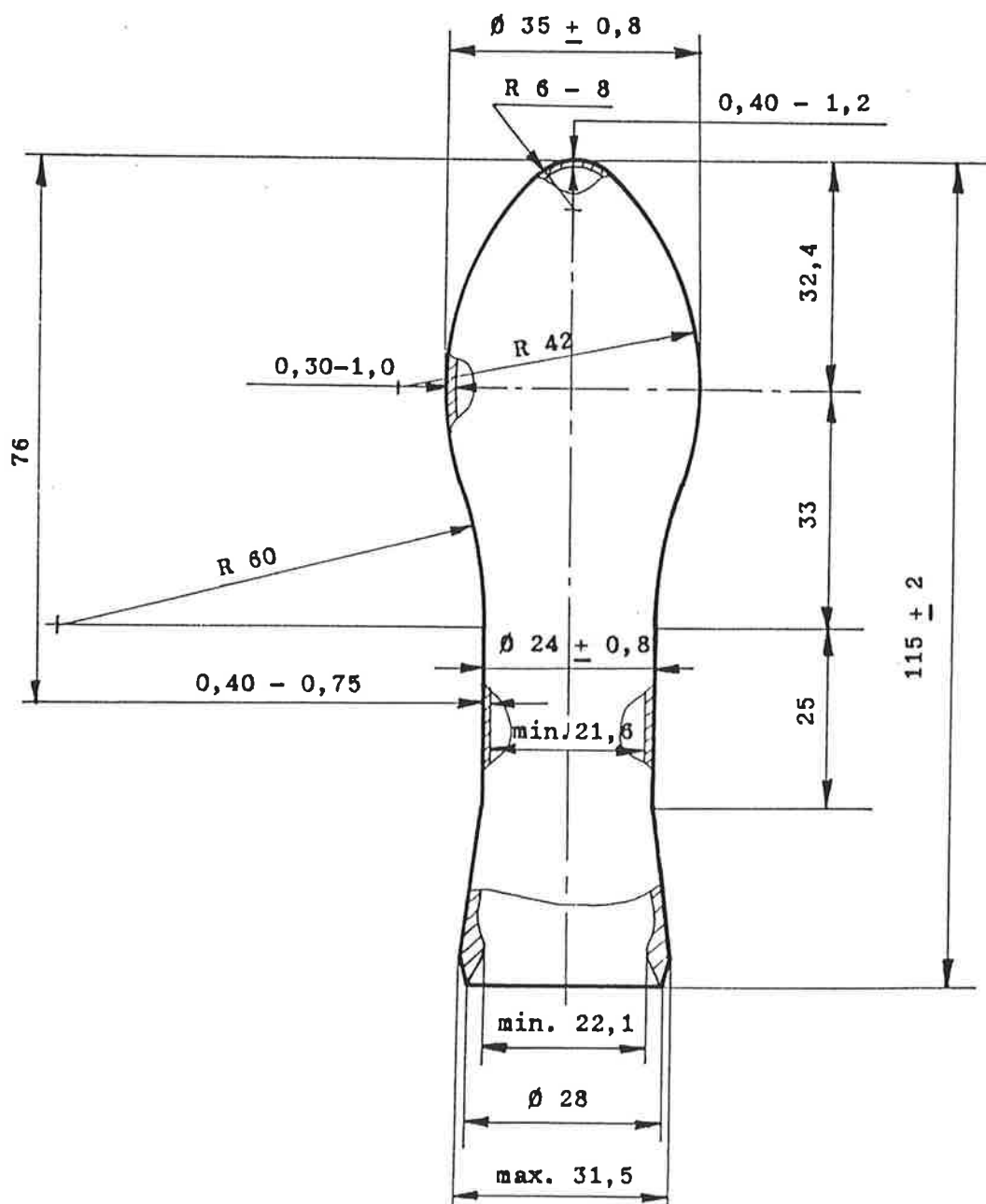
4304 042 80101

Datum :

01.01.1991 -01.08.1977

ORDERING CODENUMBER

Clear	Frosted
1120	1125



ca. 17 g.

B30P - 21X106

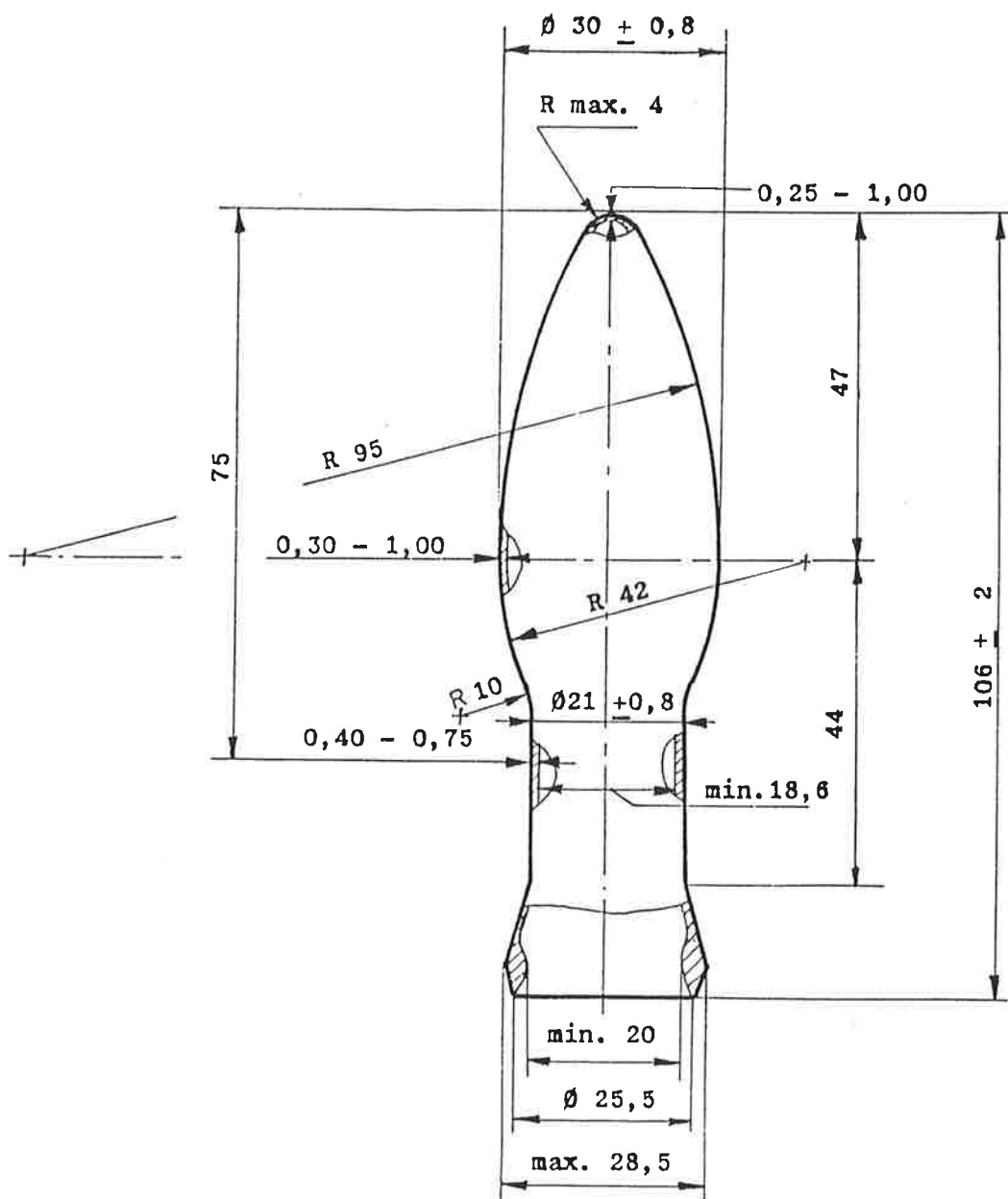
4304 042 50501

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear
1130



ca. 14 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

BF75 - 41 X 192

4304 045 30101

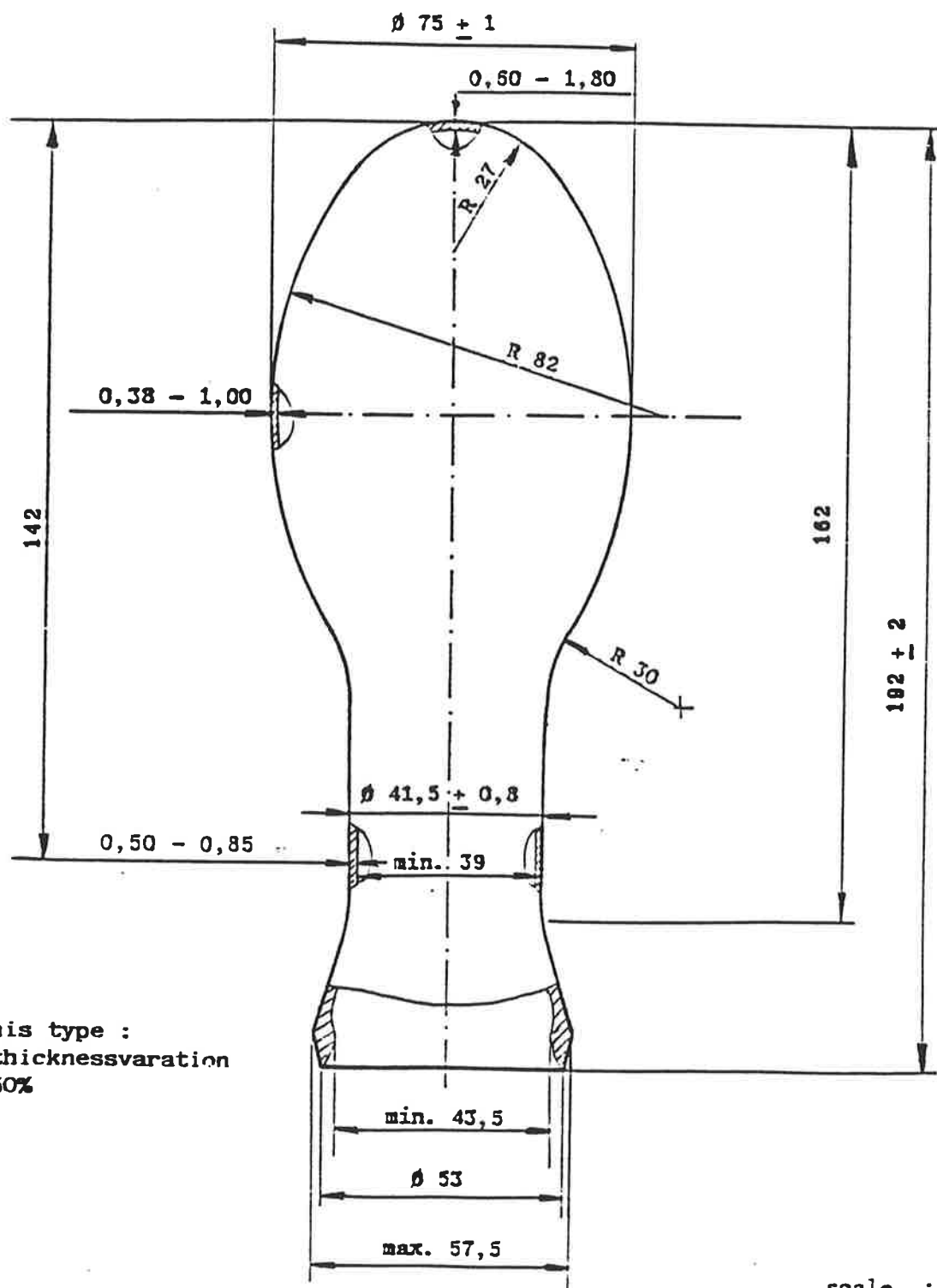
Datum :

01.04.1994

~~01.01.1991~~ -25.06.1984

ORDERING CODENUMBER

Clear
3110



* For this type :
Neckthicknessvaration
Max 50%

scale : 3:4.

ca. 65 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

BF70 - 35 X 175

4304 044 70201

Datum :

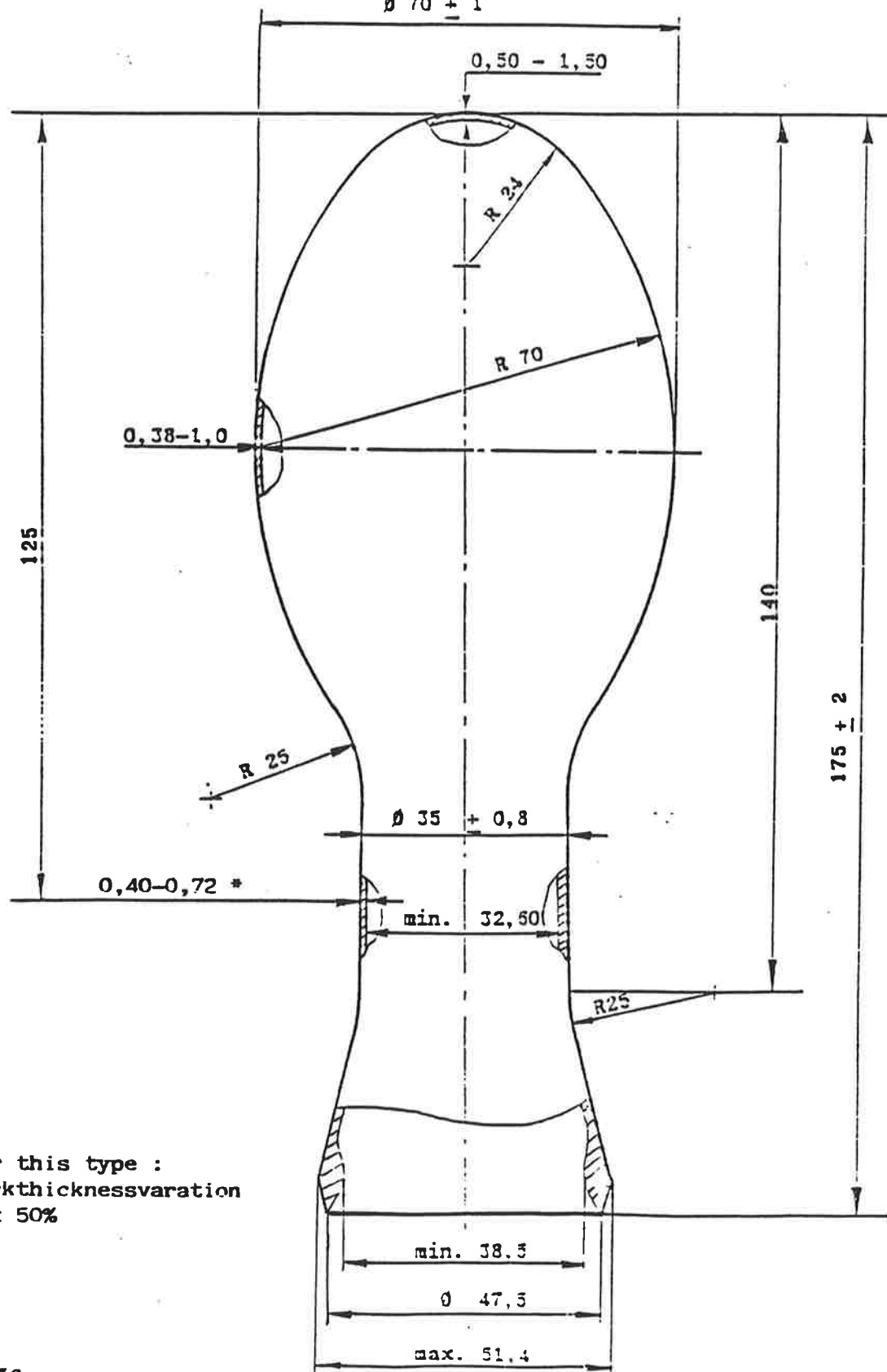
01.04.1994 01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear

3120

$\emptyset 70 \pm 1$



* For this type :
Neckthicknessvaration
Max 50%

ca. 50 g.

BF55 - 34 X 145

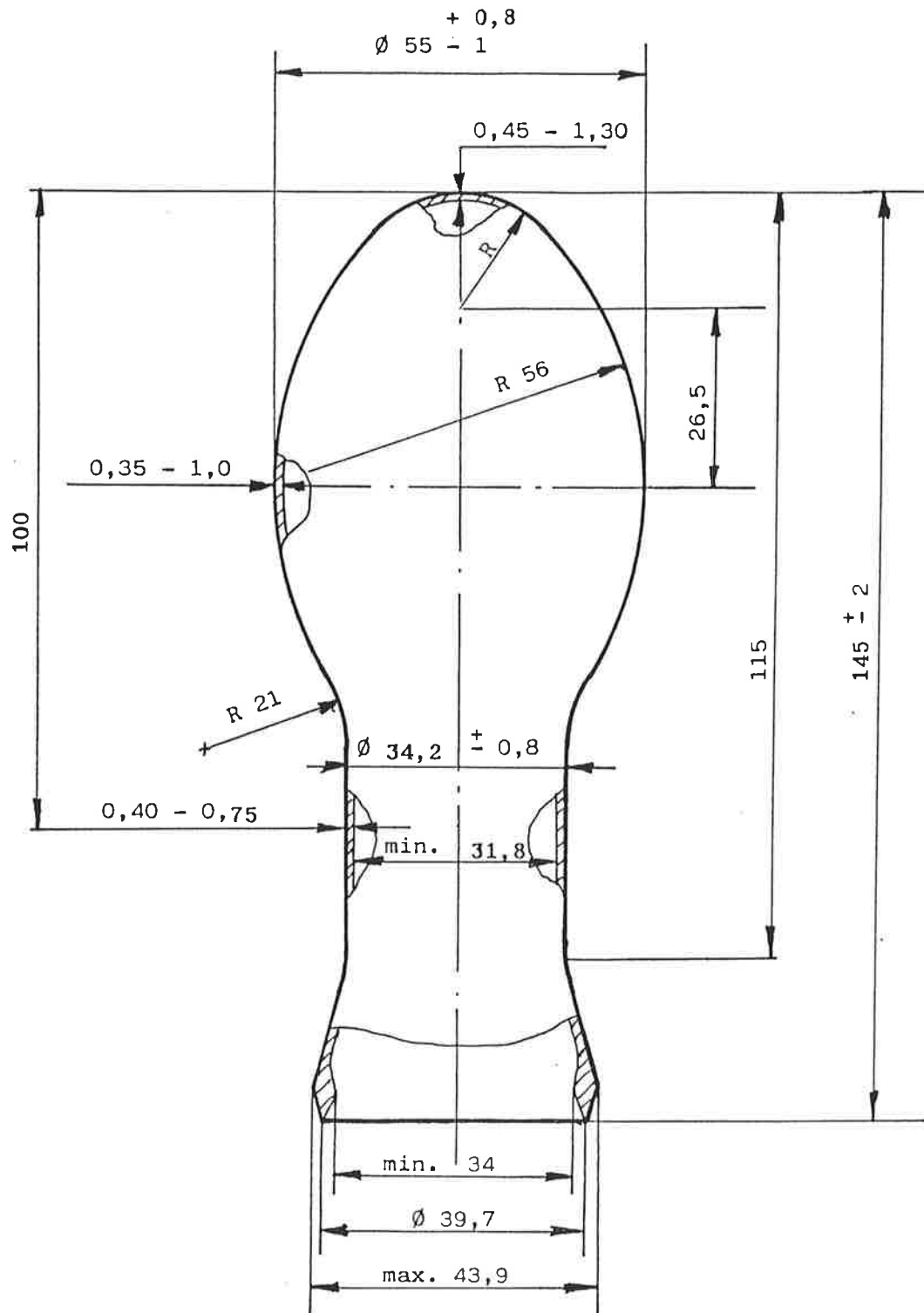
4304 044 00701

Datum :

01.01.1991 27.11.1978

ORDERING CODENUMBER

Clear
1140



ca. 32 g.

BF50 — 30 X 130

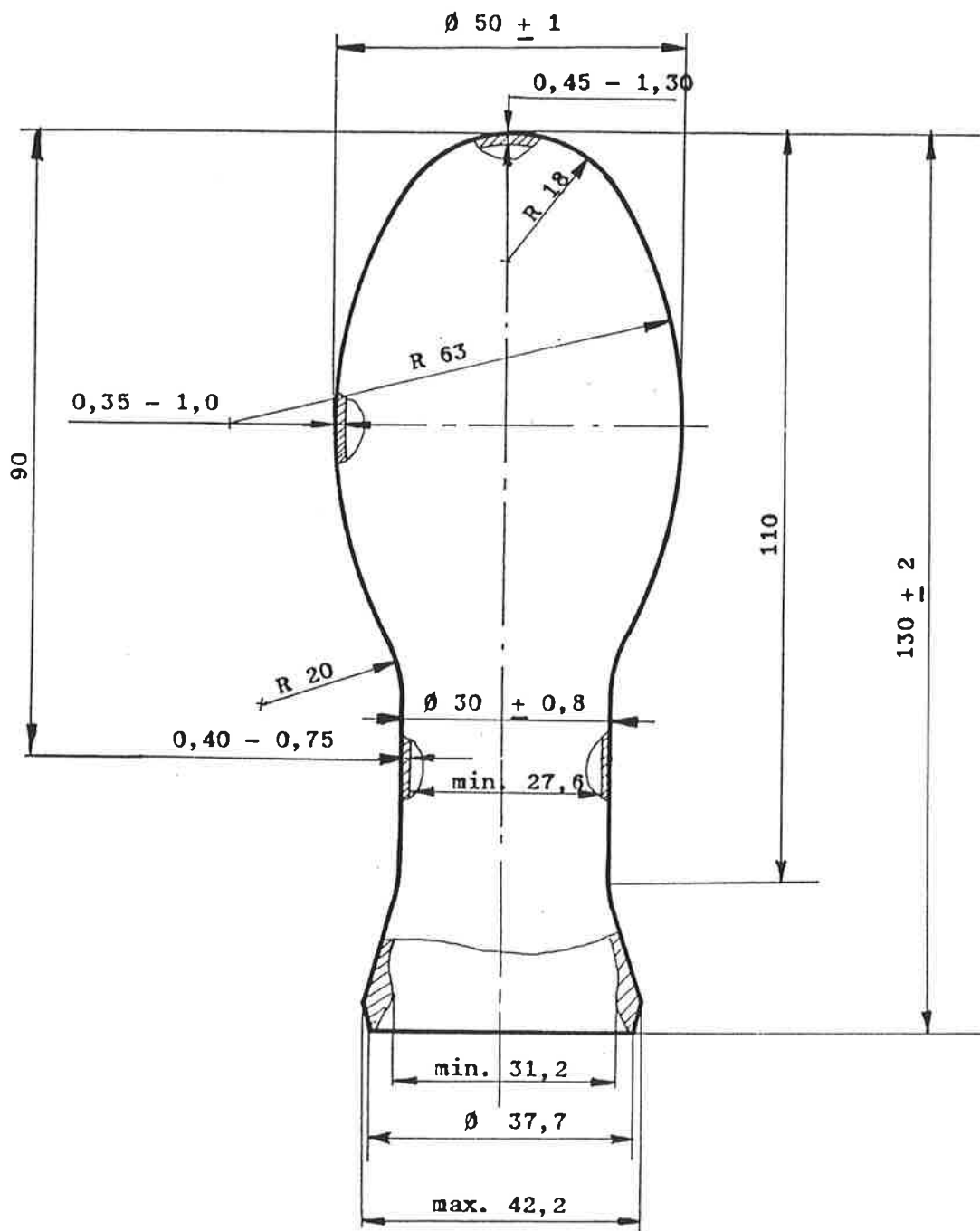
4304 043 80101

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear
1150



ca. 27 g.

EMGO

Naamloze Vennoetschap

Fabricage
Voorschriften.

BW50 - 30X157

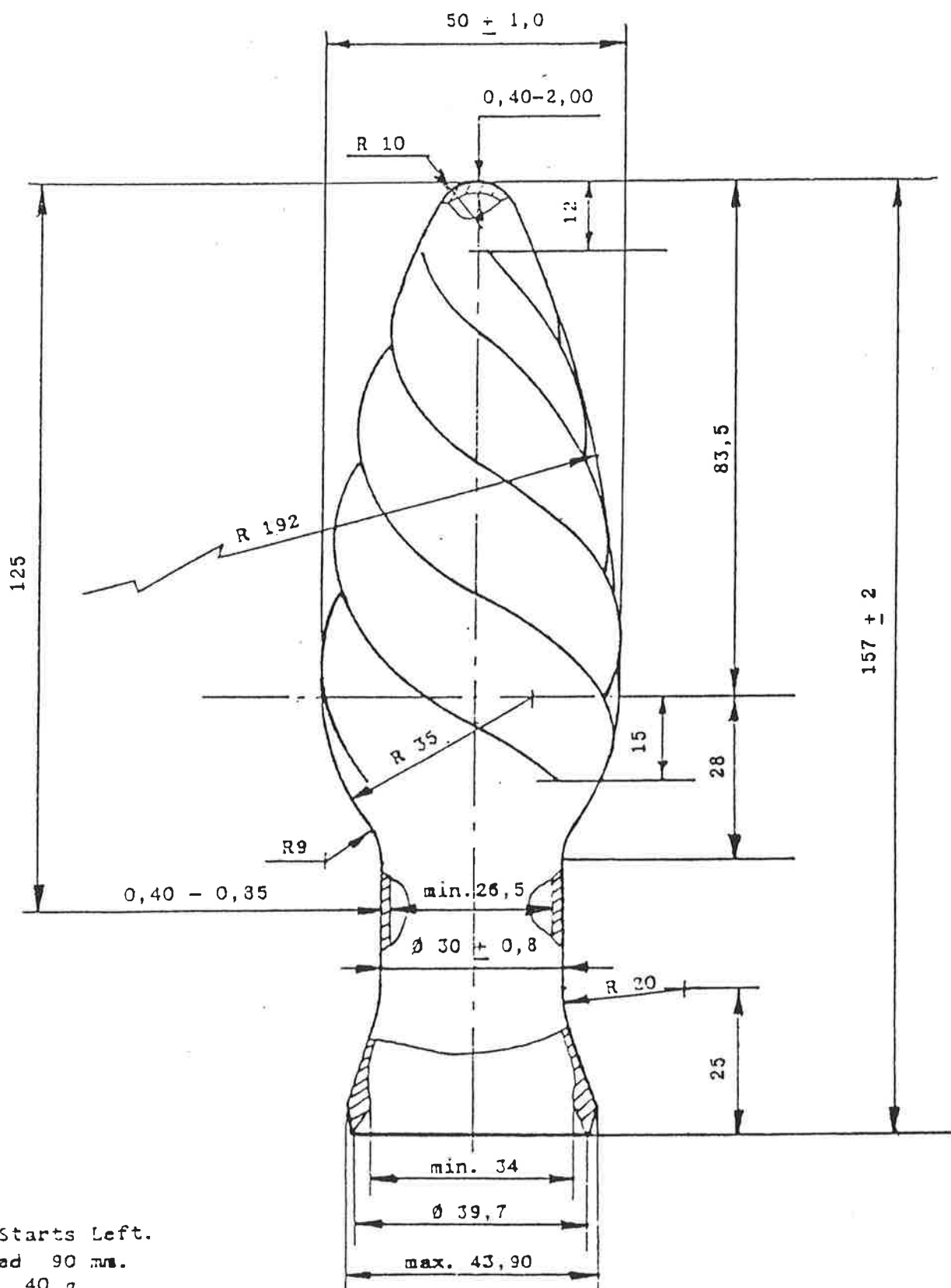
4304 044 00601

Datum :

01.01.1991 06-02-1986

ORDERING CODENUMBER

Clear	Frosted
3130	3135



4 Starts Left.
Lead 90 mm.
ca. 40 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

BW47-28X151

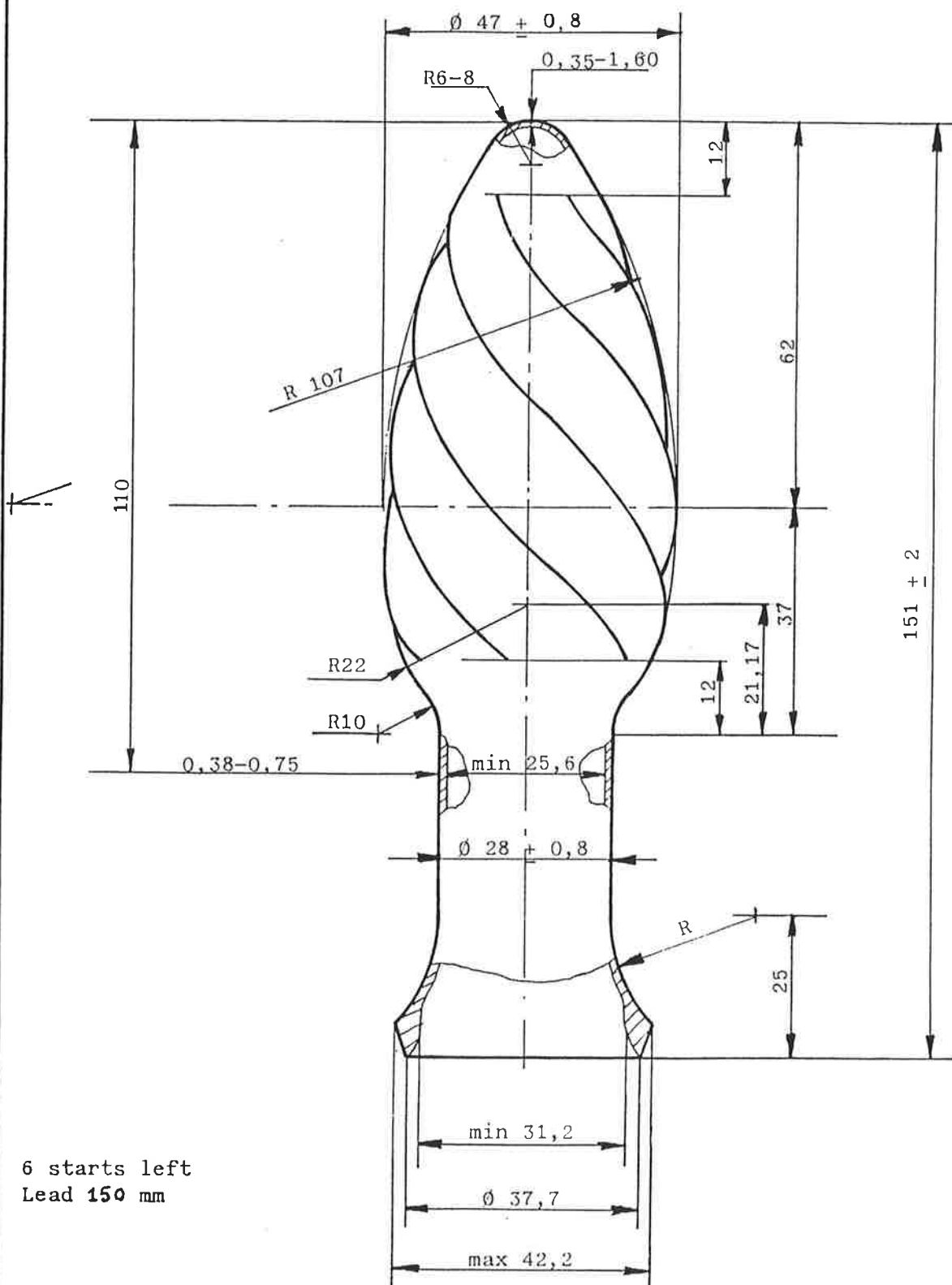
4304 043 80201

Datum :

01.01.1991 -01.08.1988

ORDERING CODENUMBER

Clear	Frosted
1180	1185



6 starts left
Lead 150 mm

ca 35g

BW35 — 24 X 109

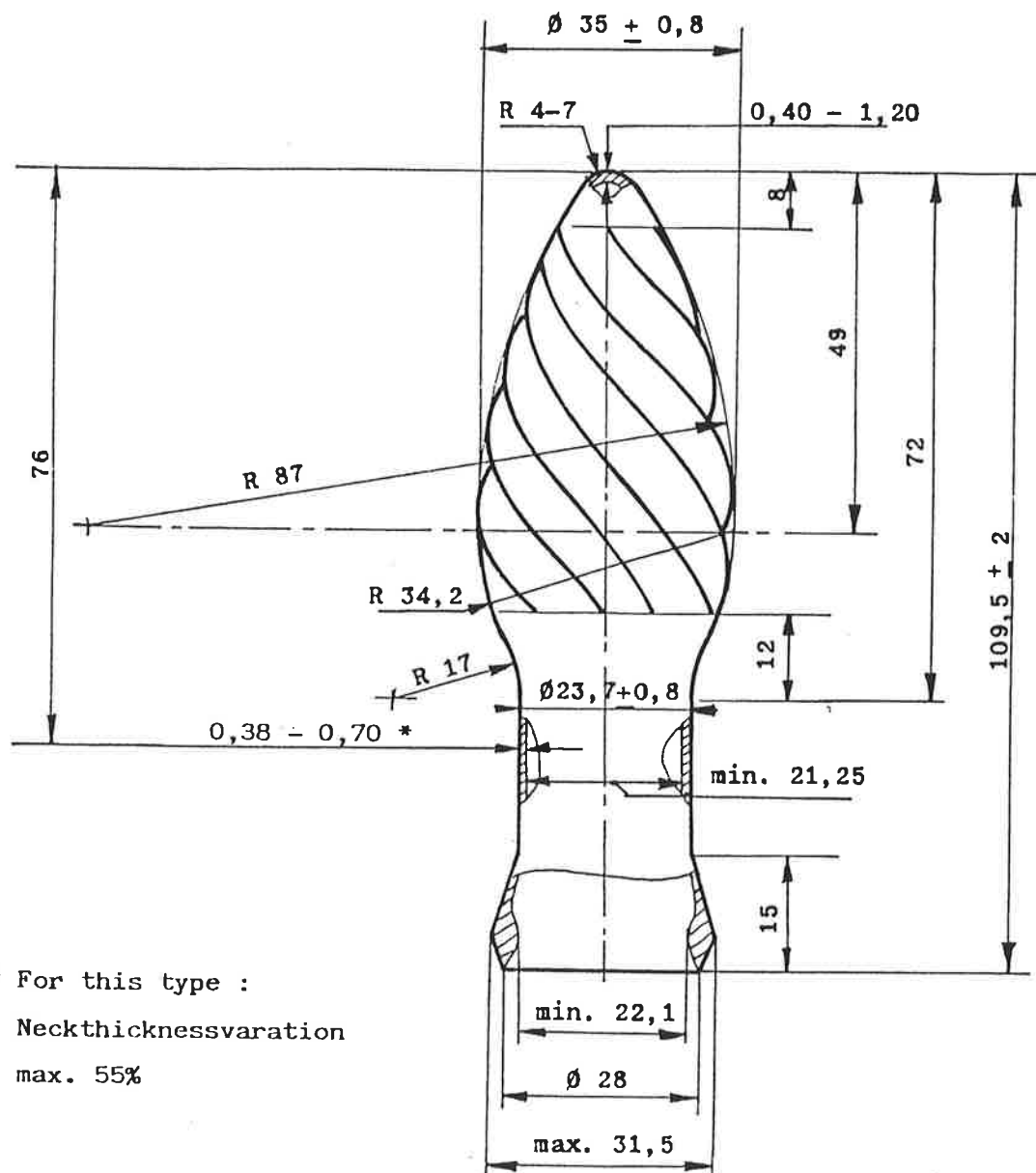
4304 042 80901

Datum :

01.01.1991 07.03.1990

ORDERING CODENUMBER

Clear	Frosted
1170	1175



* For this type :
Neckthicknessvariation
max. 55%

ca. 20 g.

EMGO

Naamloze Vennoetschap

Fabricage
Voorschriften.

E75 - 39 X 145

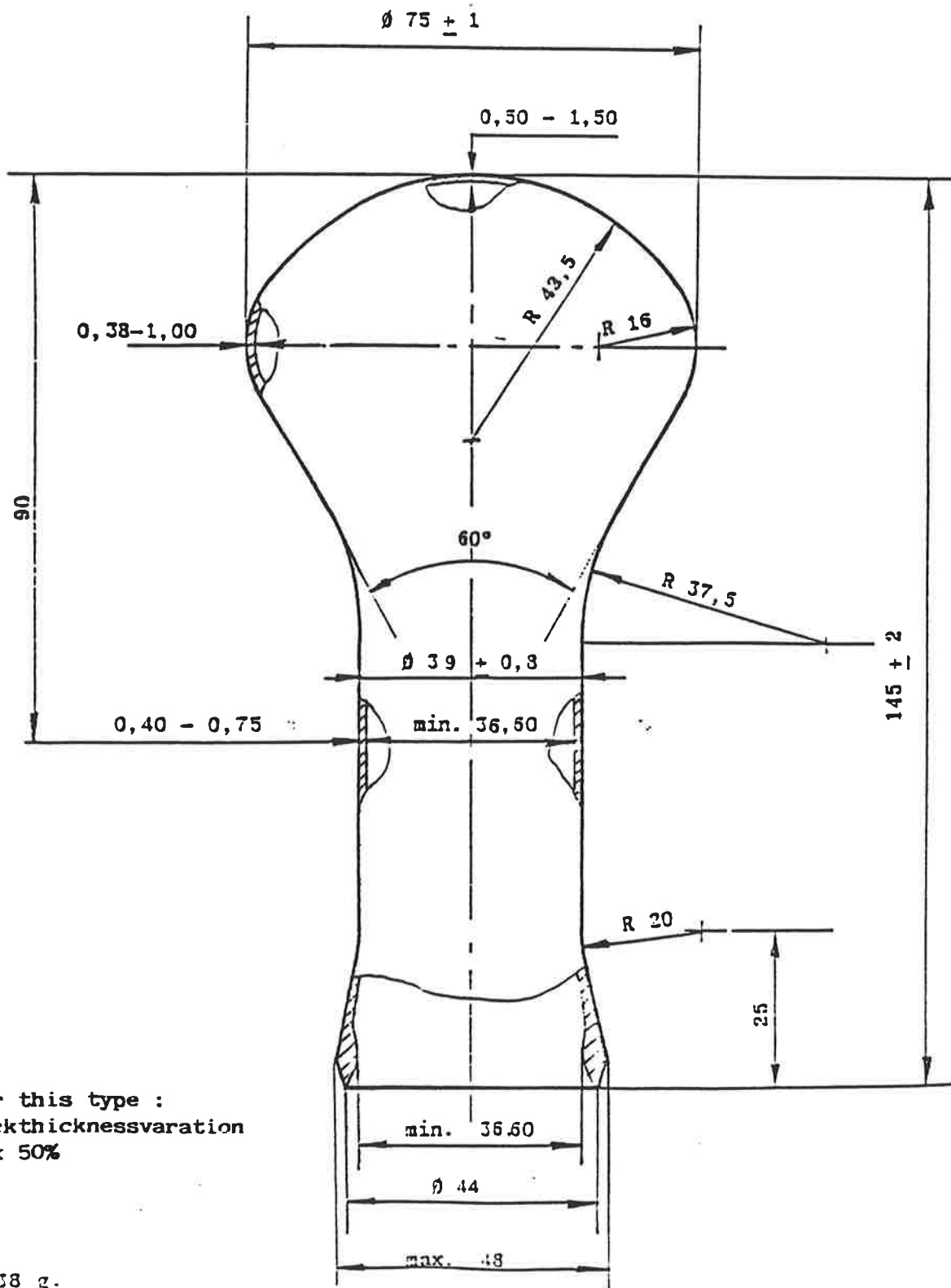
4304 044 40201

Datum :

01.04.1994 01.01.1991 01.06.1978

ORDERING CODENUMBER

Clear	Frosted
3210	3215



* For this type :
Neckthicknessvaration
Max 50%

ca. 38 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.**E60 - 33X127**

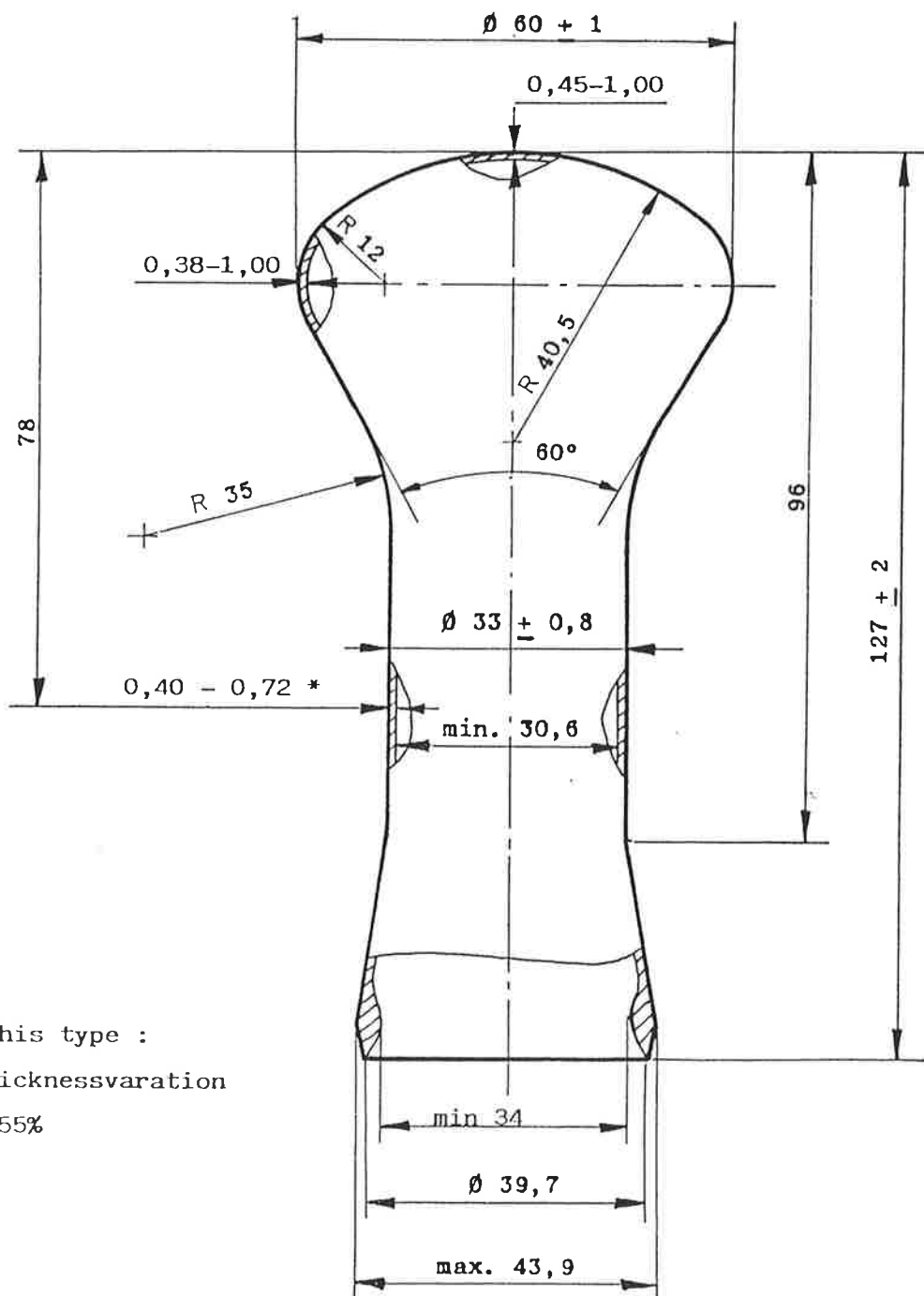
4304 044 00101

Datum :

01.01.1991 -07.03.1990

ORDERING CODENUMBER

Clear	Frosted	Satinated
1200	1205	1208



* For this type :
Neckthicknessvariation
max. 55%

ca. 30 g.

E50 - 30X108

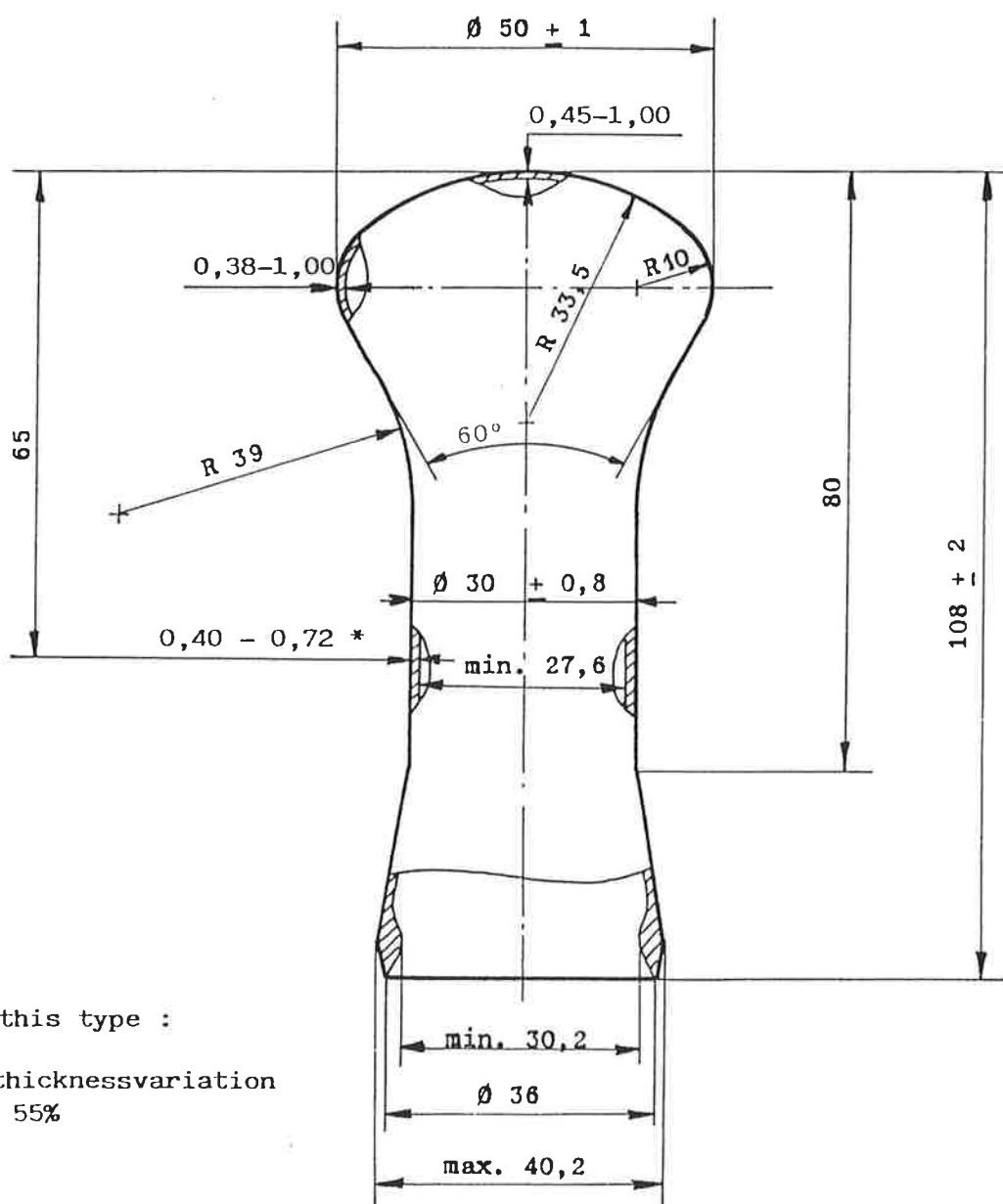
4304 043 60001

Datum :

01.01.1991 -07.03.1990

ORDERING CODENUMBER

Clear	Frosted	Satinated
1210	1215	1218



* For this type :

Neckthicknessvariation
max. 55%

ca. 23g.

E45 - 30X102

4304 043 60101

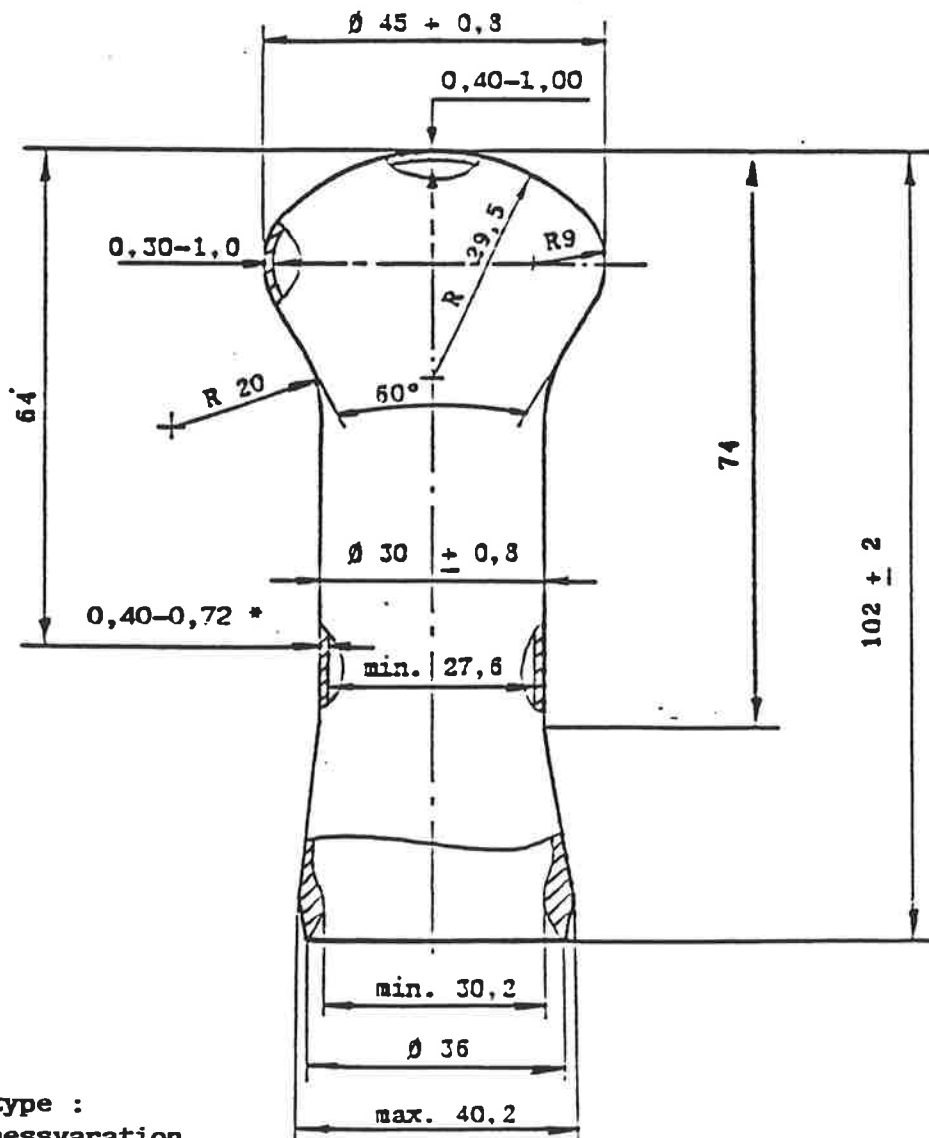
Datum :

01.04.1994

~~31.01.1991~~ ~~01.03.1990~~

ORDERING CODENUMBER

Clear	Frosted
1220	1225



* For this type :
Neckthicknessvaration
Max 50%

ca. 20 g.

G95 - 37X168

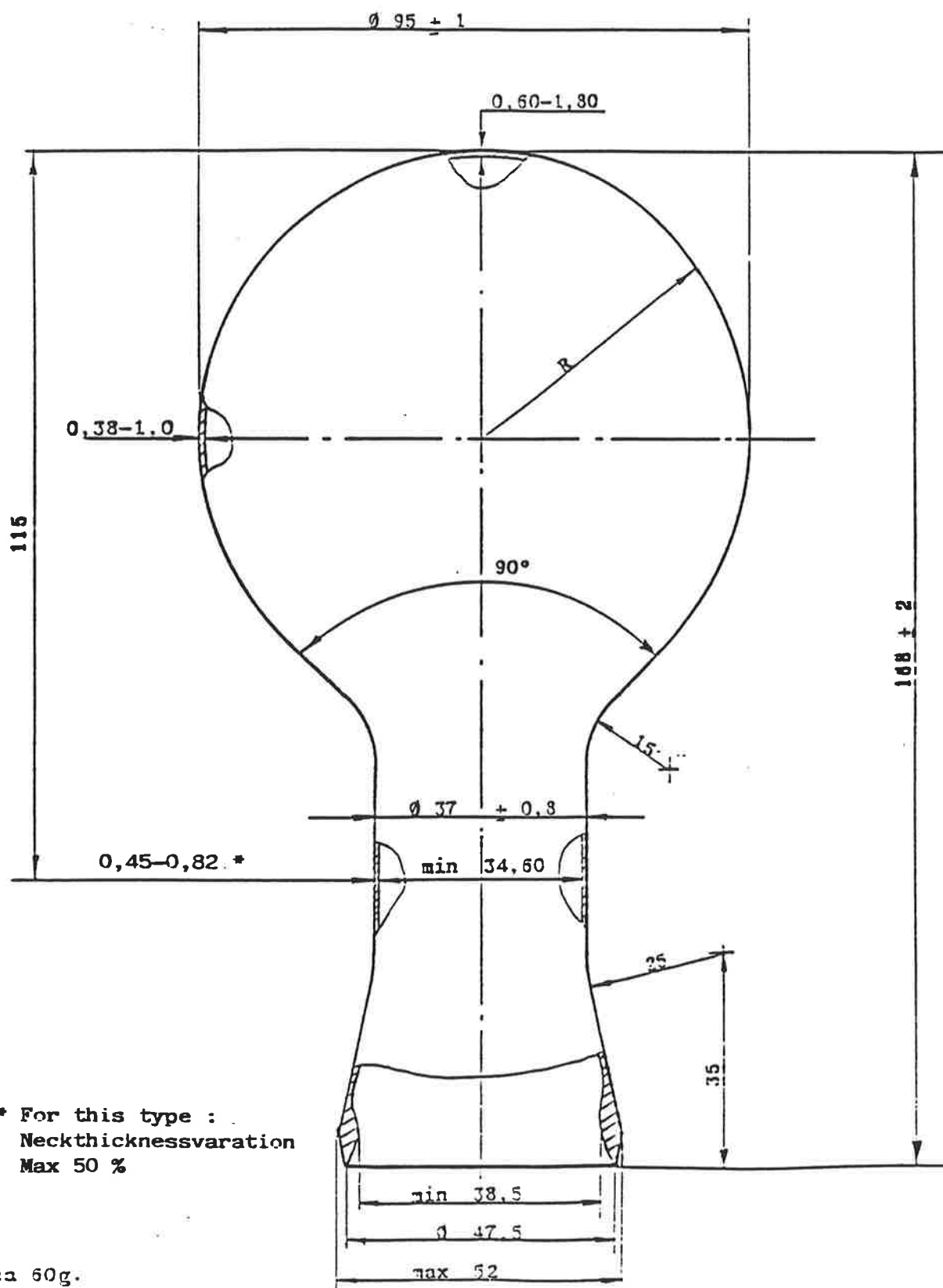
4304 044 7C601

Datum :

01.04.1994 ~~01.01.1991~~ ~~36.02.1986~~

ORDERING CODENUMBER

Clear
3300



G80 - 33 X 140

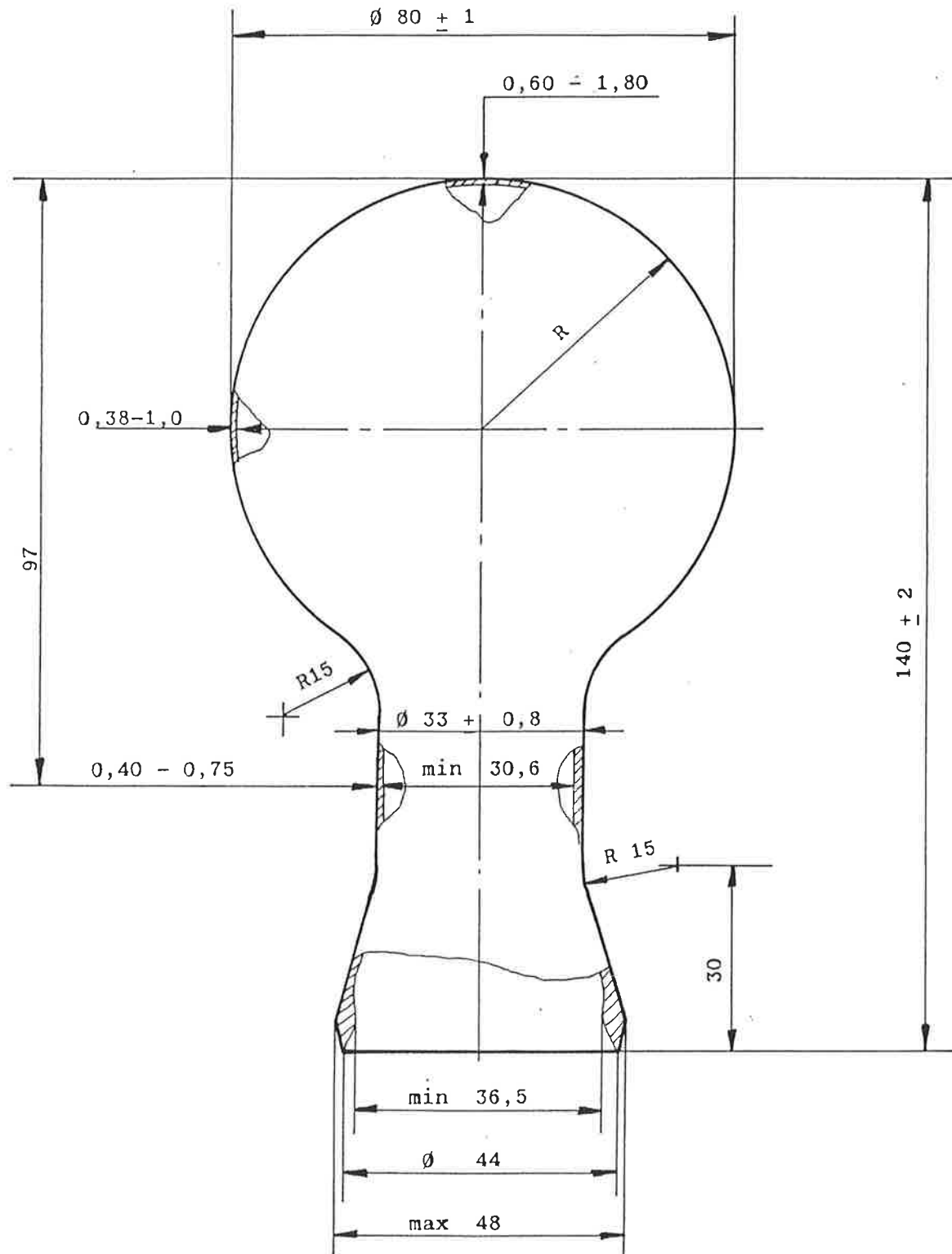
4304 044 40601

Datum :

01.01.1991 16-12-1985

ORDERING CODENUMBER

Clear
3330



ca. 43g.

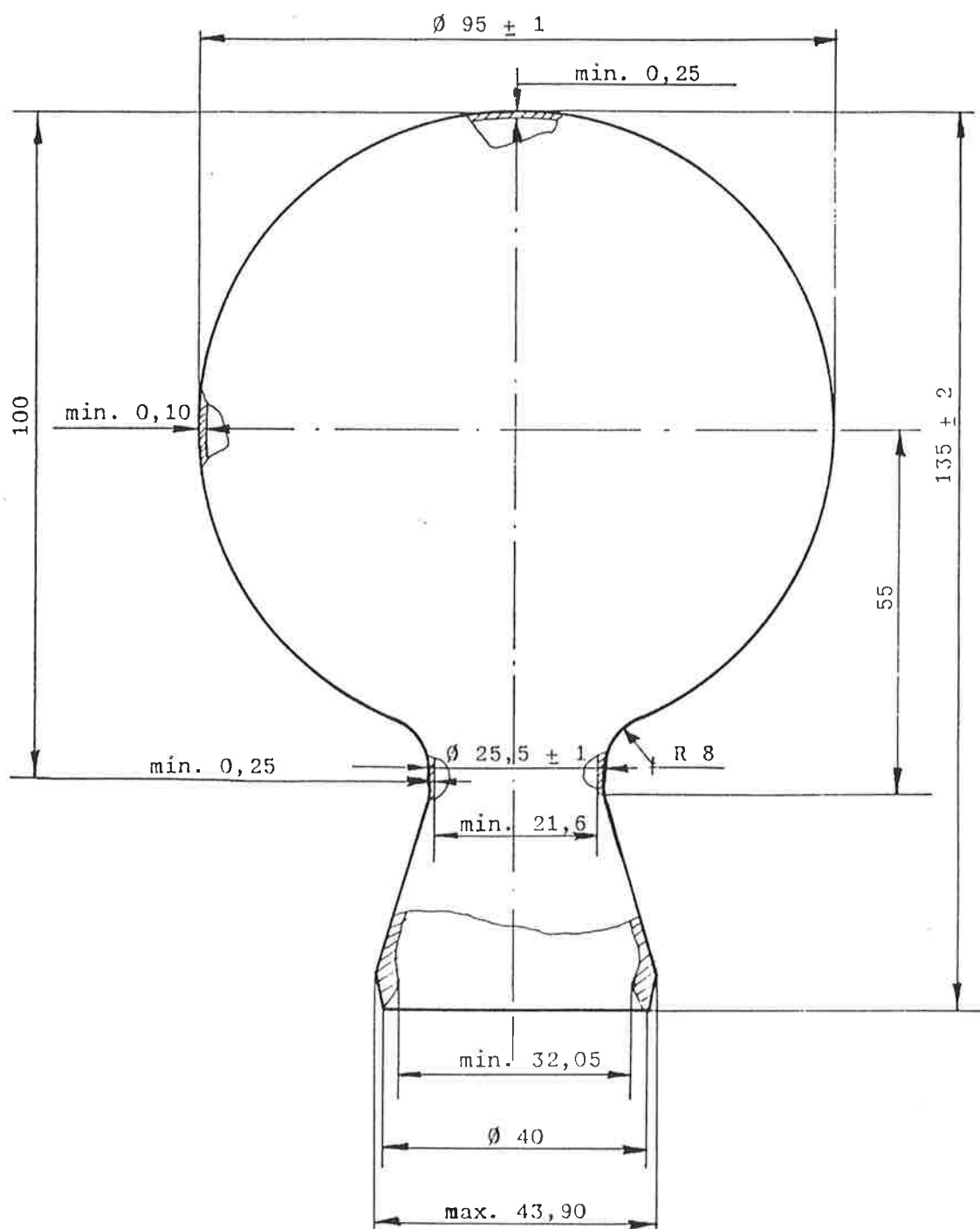
EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.**GX95 — 25 X 135**

4304 044 00501

Datum :

01.01.1991 ~~01.12.1980~~ORDERING CODENUMBERClear
3310

ca. 35 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

GX80 — 20X118

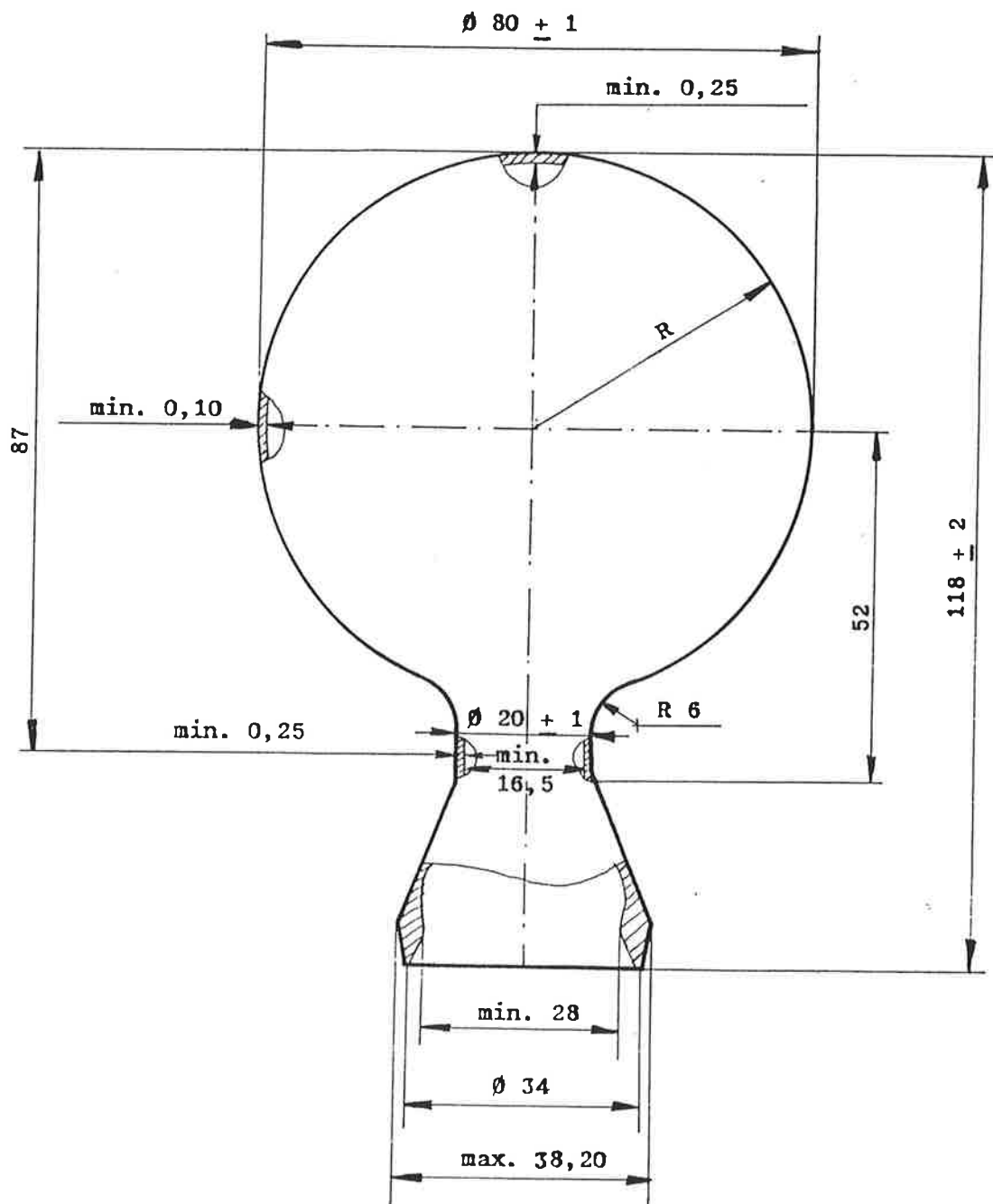
4304 043 40001

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear
3320



ca. 26 g.

GX66 — 15 X 100

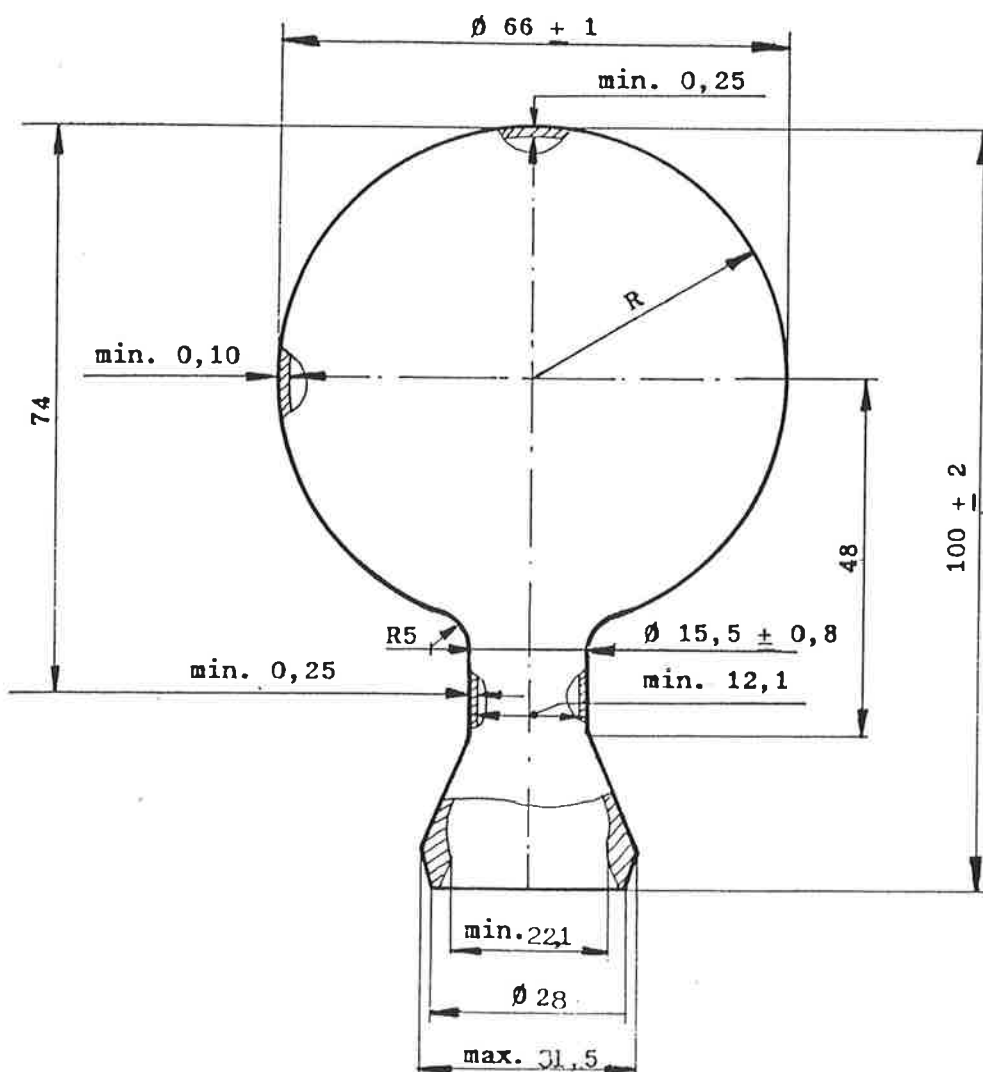
4304 042 80501

Datum :

01.01.1991 25.01.1989

ORDERING CODENUMBER

Clear
1320



ca. 15 g.

EMGO

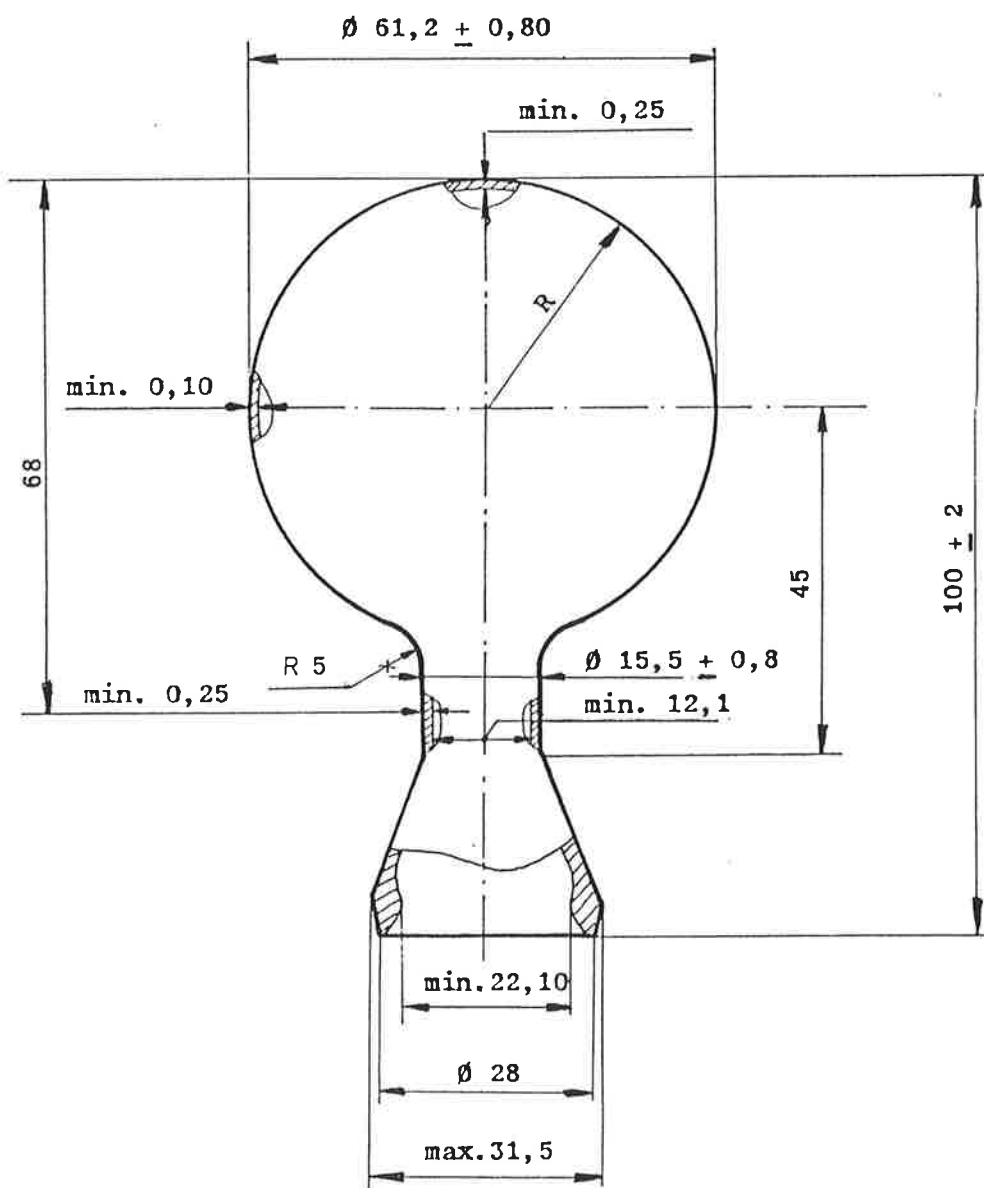
Naamloze Vennootschap

**Fabricage
Voorschriften.****GX62 — 15X100**

4304 042 80401

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBERClear
1330

ca. 14 g.

EMGO

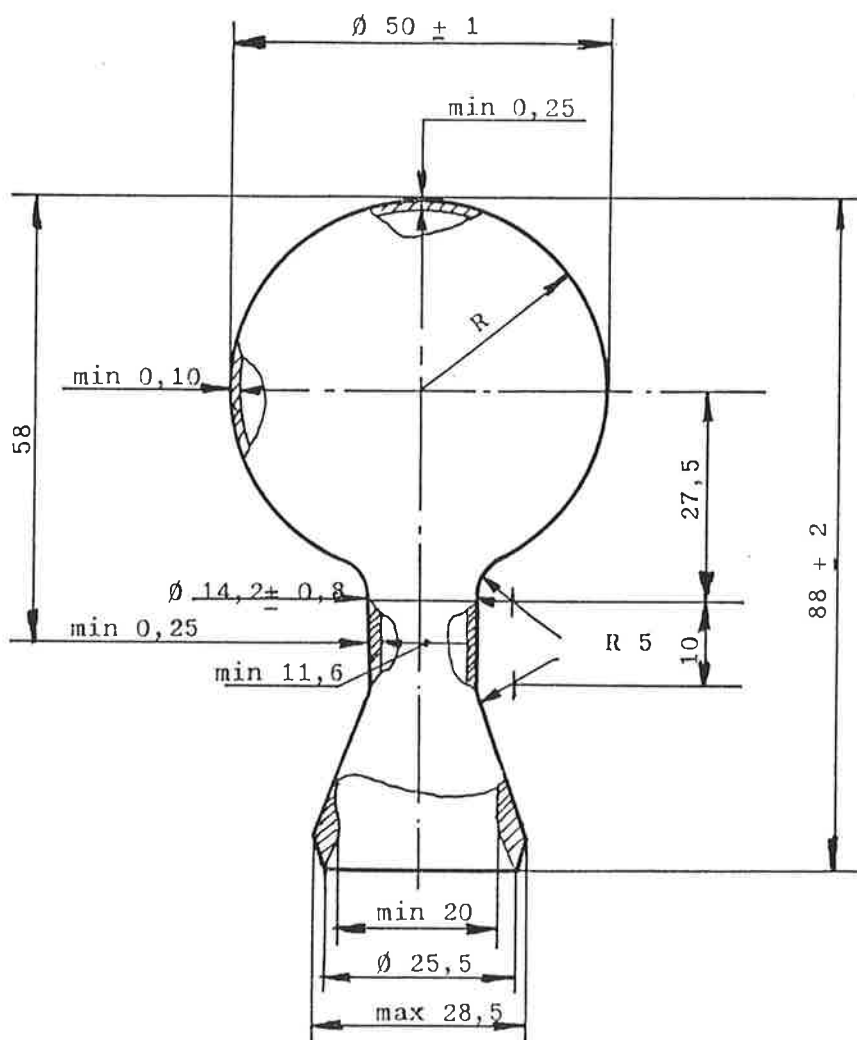
Naamloze Vennootschap

**Fabricage
Voorschriften.****GX50 — 14 X 88**

4304 042 50601

Datum :

01.01.1991 19.10.1982-

ORDERING CODENUMBERClear
1340

ca. 12 g.

P45 - 24 X 100

4304 043 20101

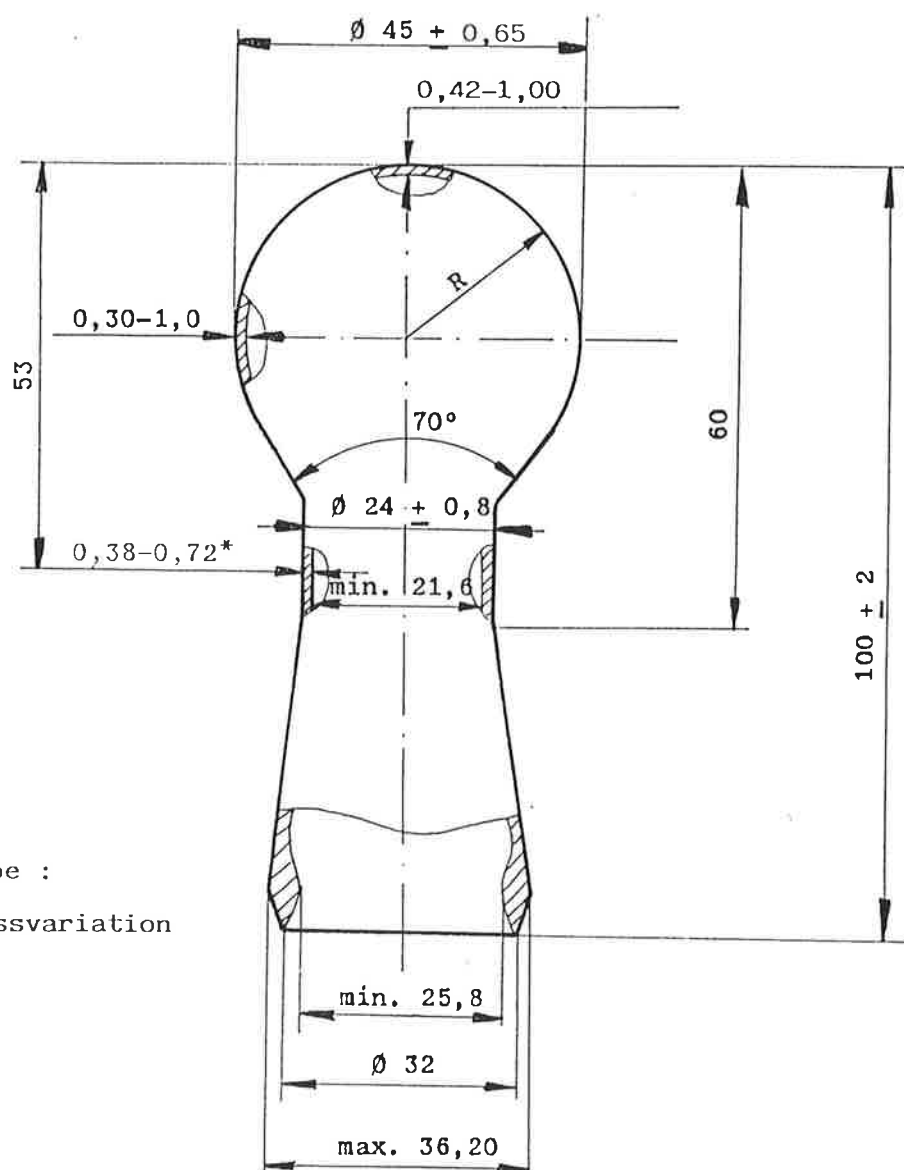
Datum :

01.01.1991 -07.03.1990

ORDERING CODENUMBER

Clear Frosted

1400 1405



* For this type :

Neckthicknessvariation
max. 55%

ca. 18 g.

P25D — 14 X 66

4304 042 10301

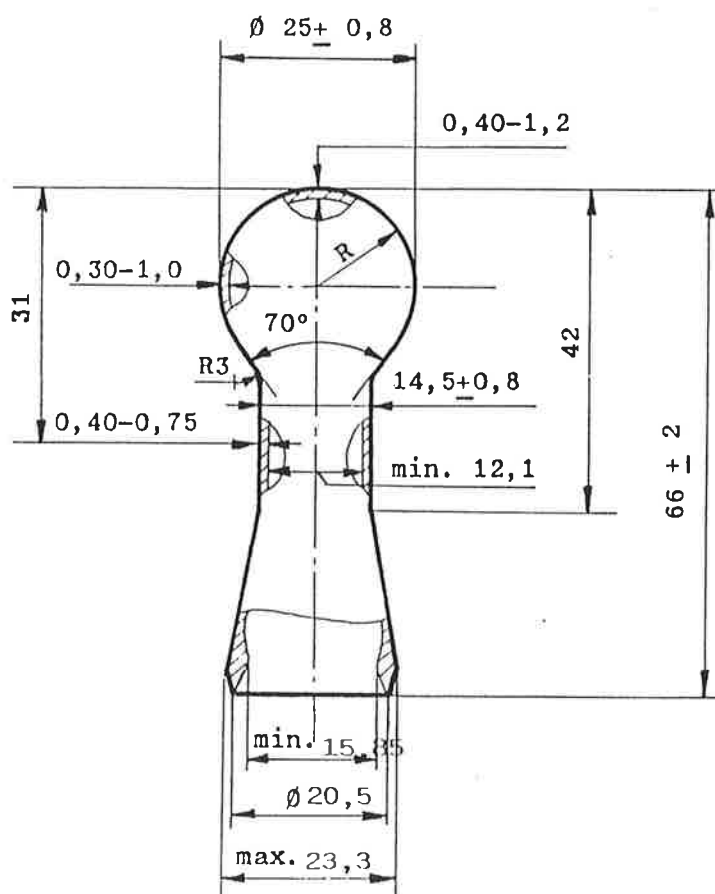
Datum :

01.01.1991 07-08-1990

ORDERING CODENUMBER

Clear

1440



ca. 8 g.

PC45 - 24 X 100

4304 043 20801

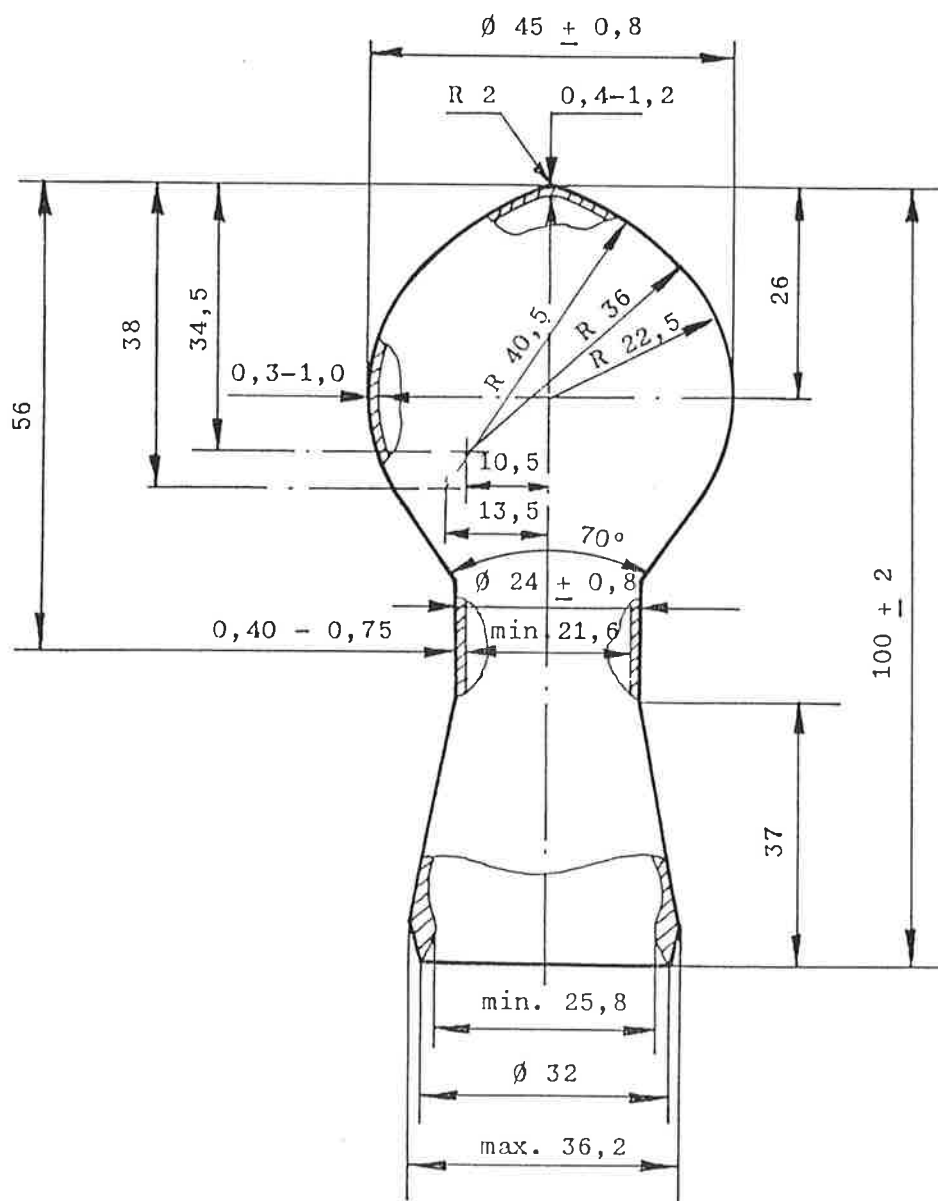
Datum :

01.01.1991 -25.01.1979

ORDERING CODENUMBER

Clear

1410



ca. 18 g.

R95 - 35 X 155

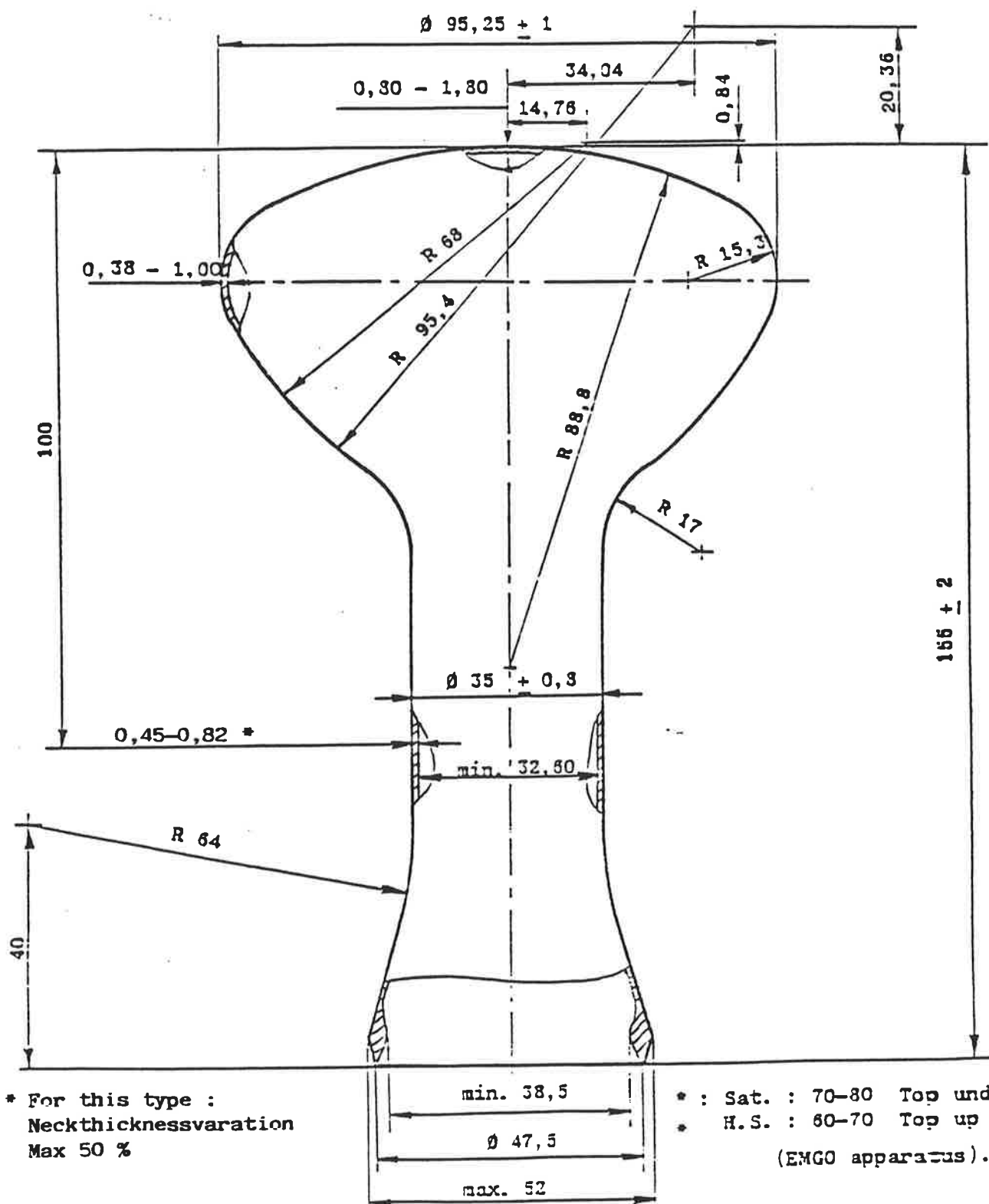
4304 044 70101

Datum :

01.04.1994 01.01.1991-01.08.1977

ORDERING CODENUMBER

Clear	*Satinated	*Highsat
3500	3508	3509



R90 - 35 X 142

4304 044 70501

Datum :

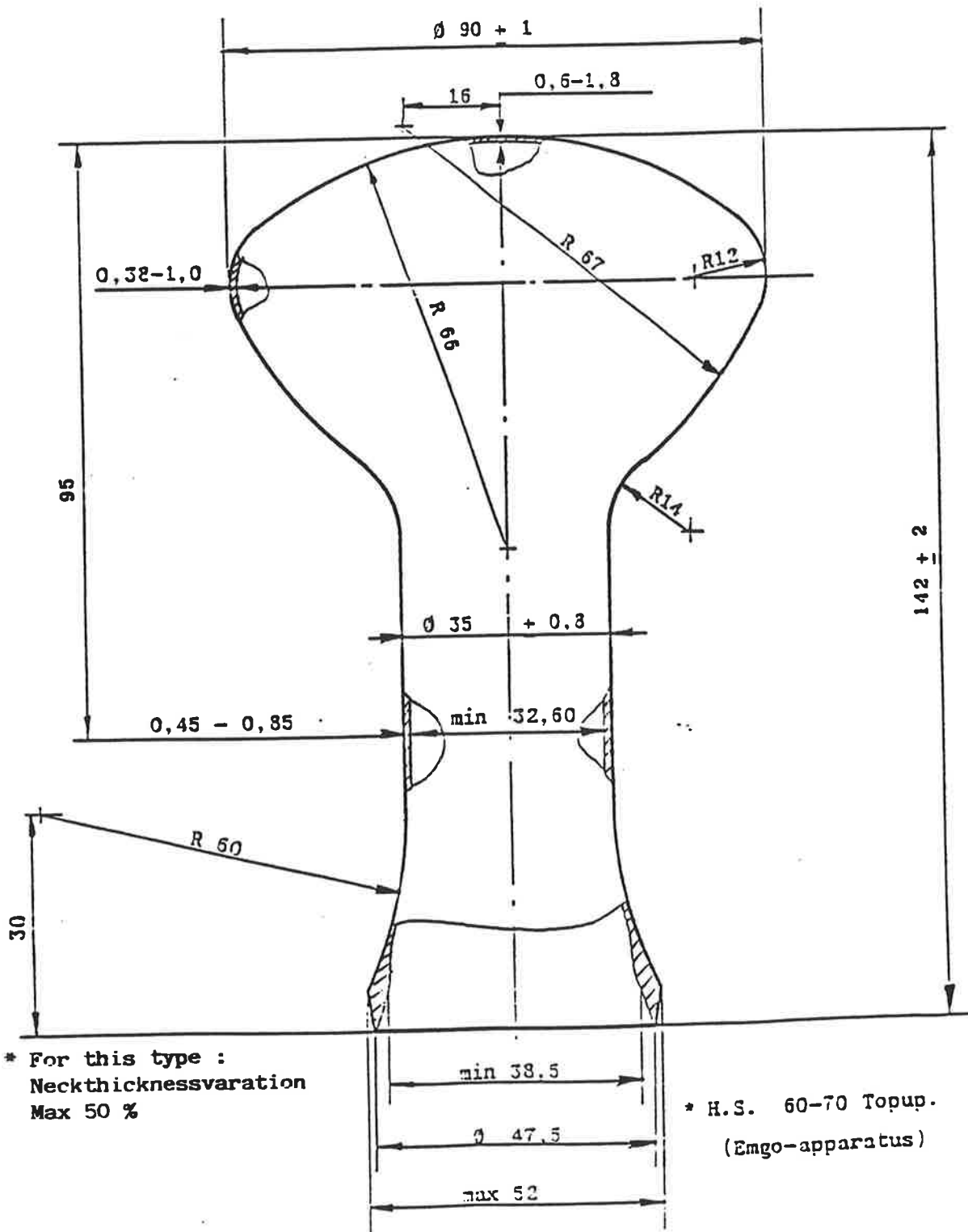
01.04.1994 01.01.1991 - 27.07.1982

ORDERING CODENUMBER

Clear *Highsat

3520

3529



R85 — 35 X 145

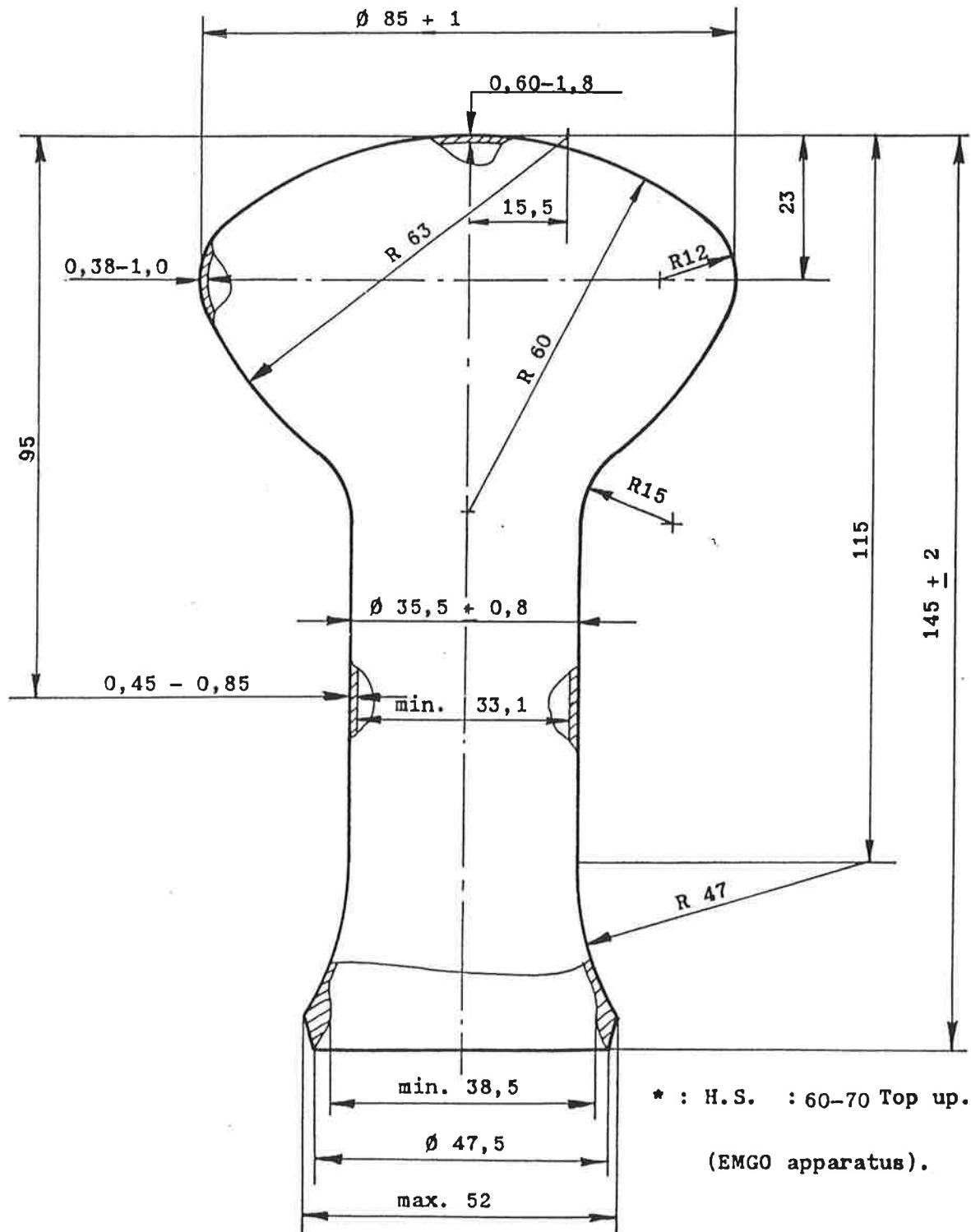
4304 044 70301

Datum :

01.01.1991 -01.12.1978

ORDERING CODENUMBER

Clear	*Highsat
3510	3519



* : H.S. : 60-70 Top up.

(EMGO apparatus).

ca. 50 g.

R50 - 23X97

4304 043 21001

Datum :

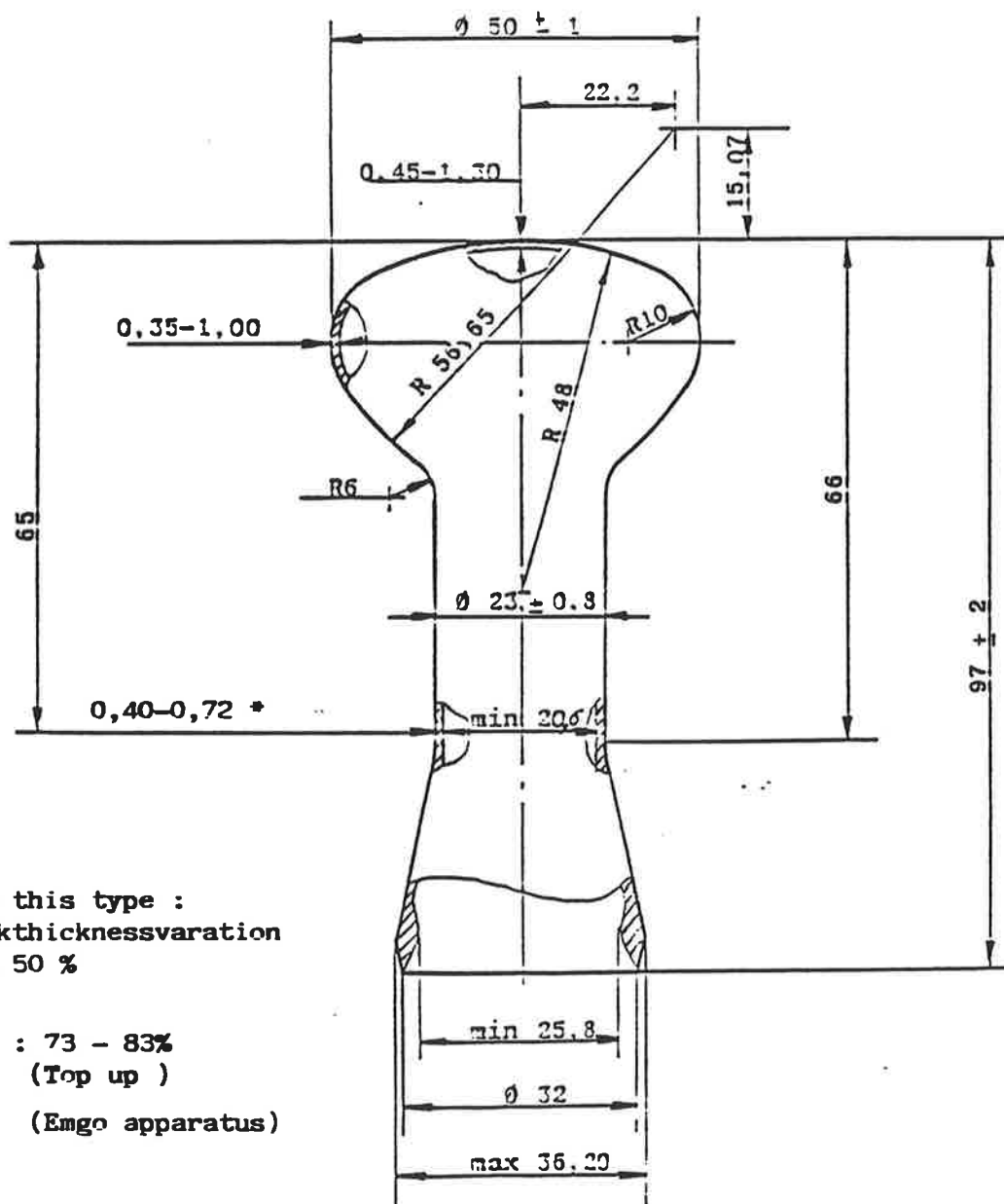
01.04.1994 ~~01.01.1991 - 09.06.1988~~

ORDERING CODENUMBER

Clear *Highsat

1510

1519



ca. 197.

S34 - 24X100

4304 042 81101

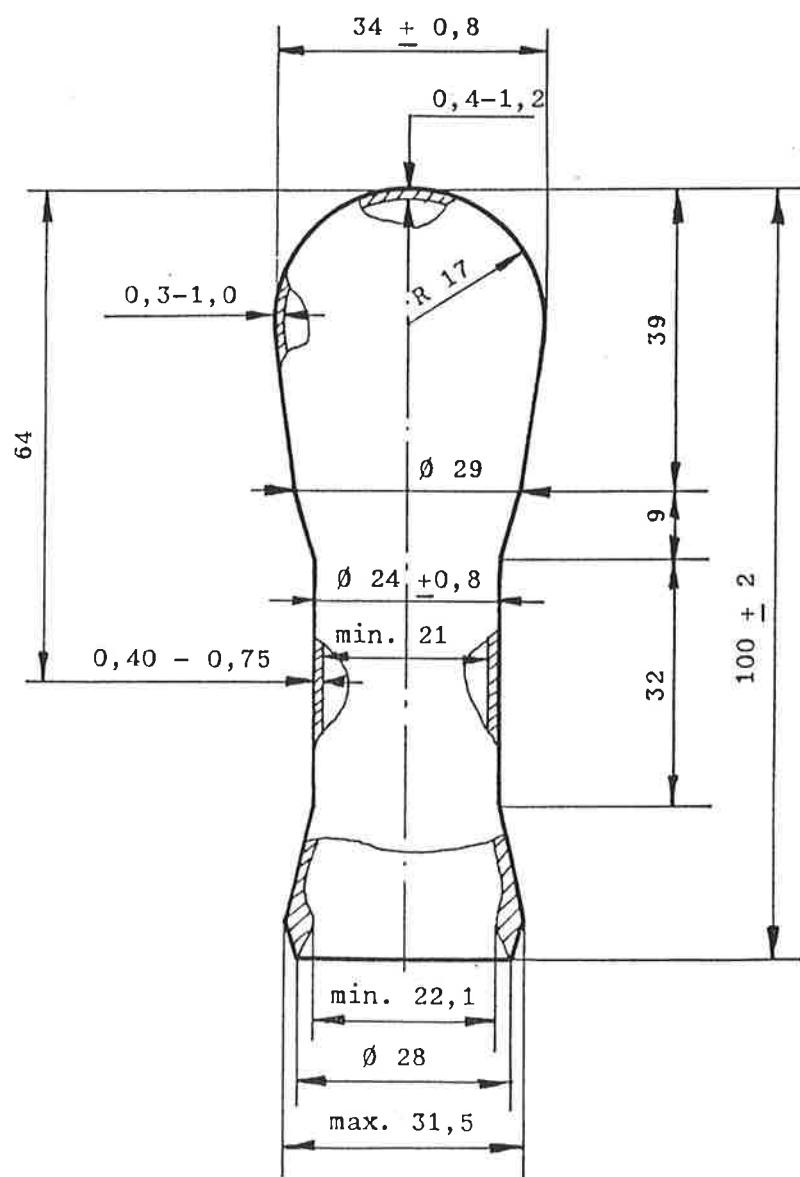
Datum :

01.01.1991 - ~~10.07.1978~~

ORDERING CODENUMBER

Clear

1600



ca. 16 g.

S28 - 22 X 73

4304 042 80201

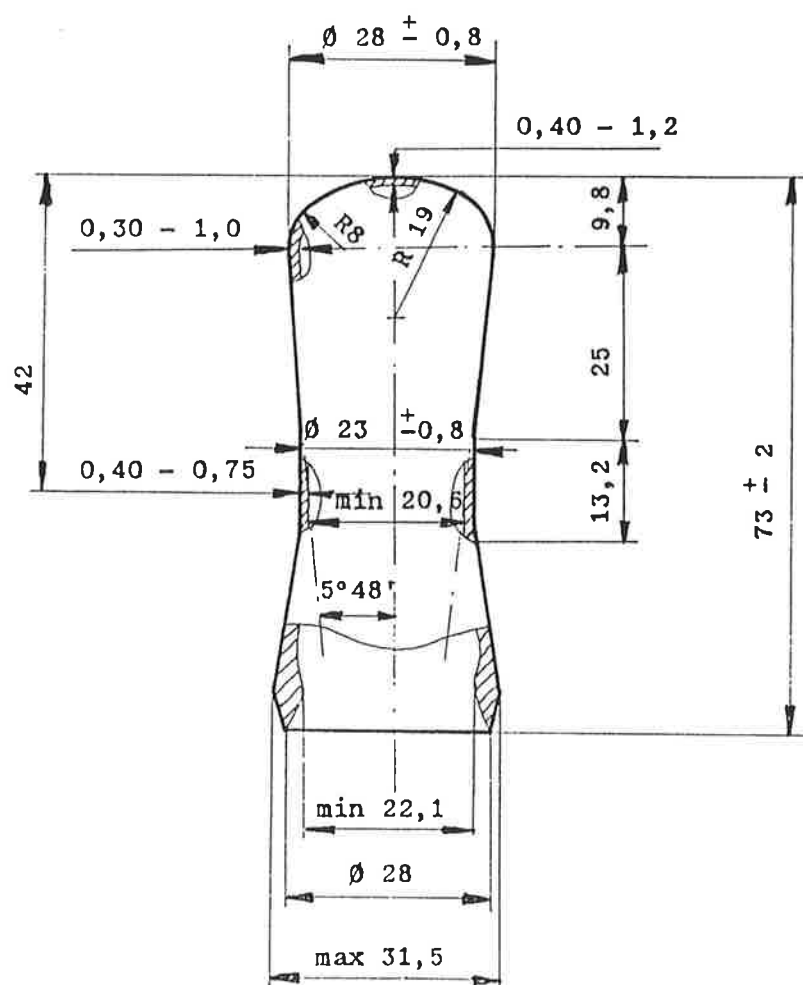
Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear Frosted

1610 1615



ca. 12 g.

S25 - 22 X 70

4304 042 50201

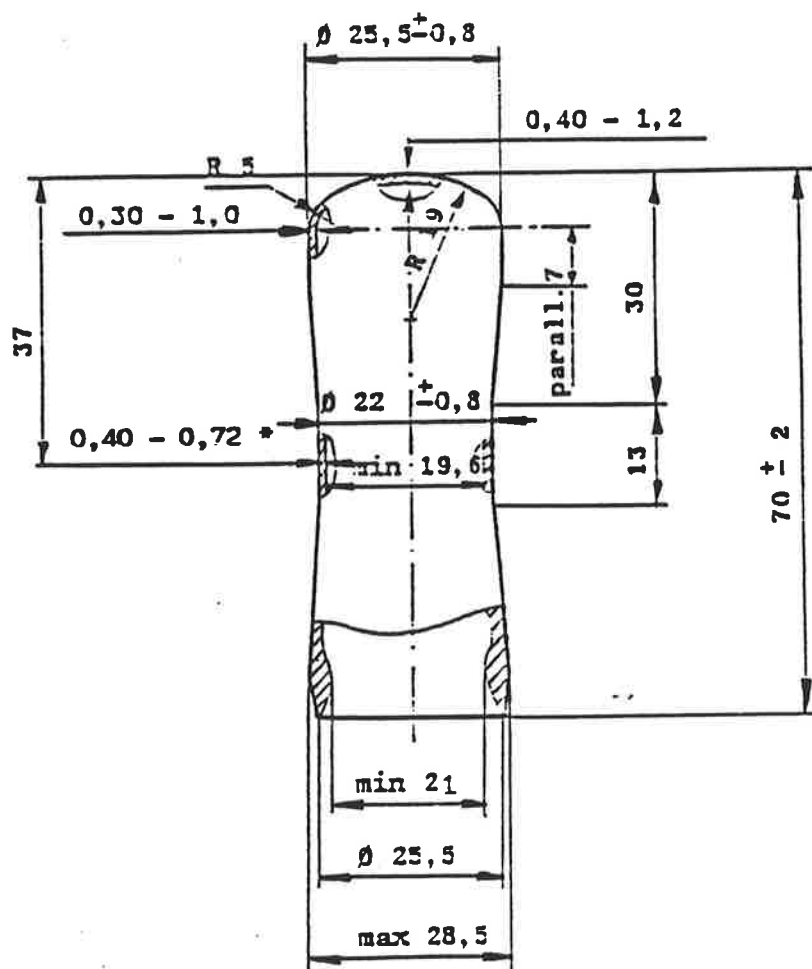
Datum :

01.04.1994 ~~01.01.1991~~ ~~01.06.1978~~

ORDERING CODENUMBER

Clear Frosted

1620 1625



* For this type :
Neckthicknessvaration
Max 50 %

ca. 11 g.

S22A - 19 X 67

4304 042 30301

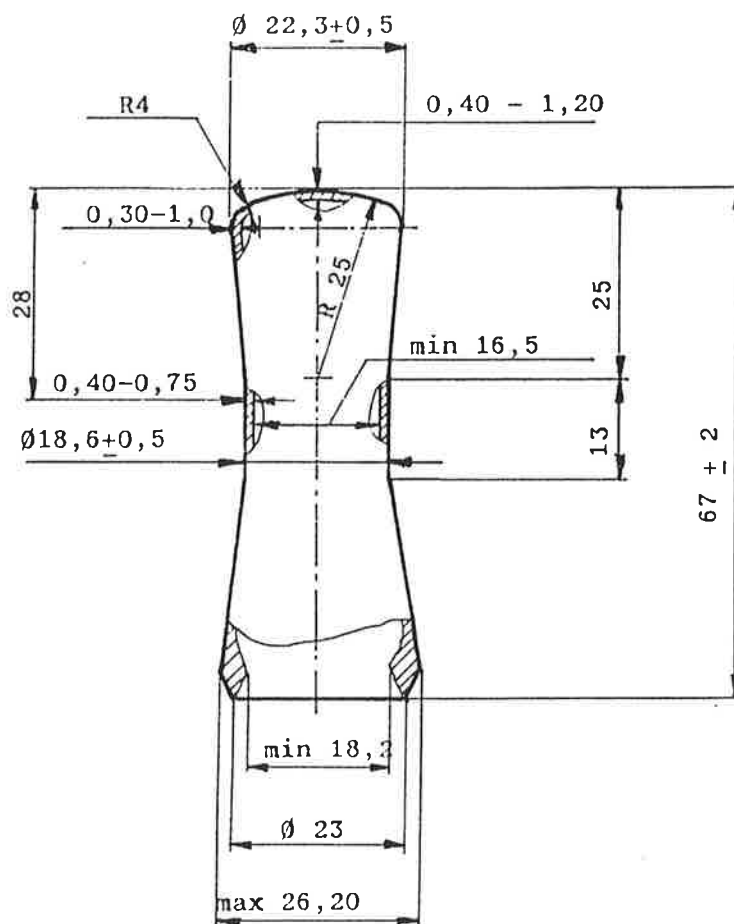
Datum :

01.01.1991 -07.01.1986

ORDERING CODENUMBER

Clear

1650



ca 8g.

T60-33X126

4304 044 00901

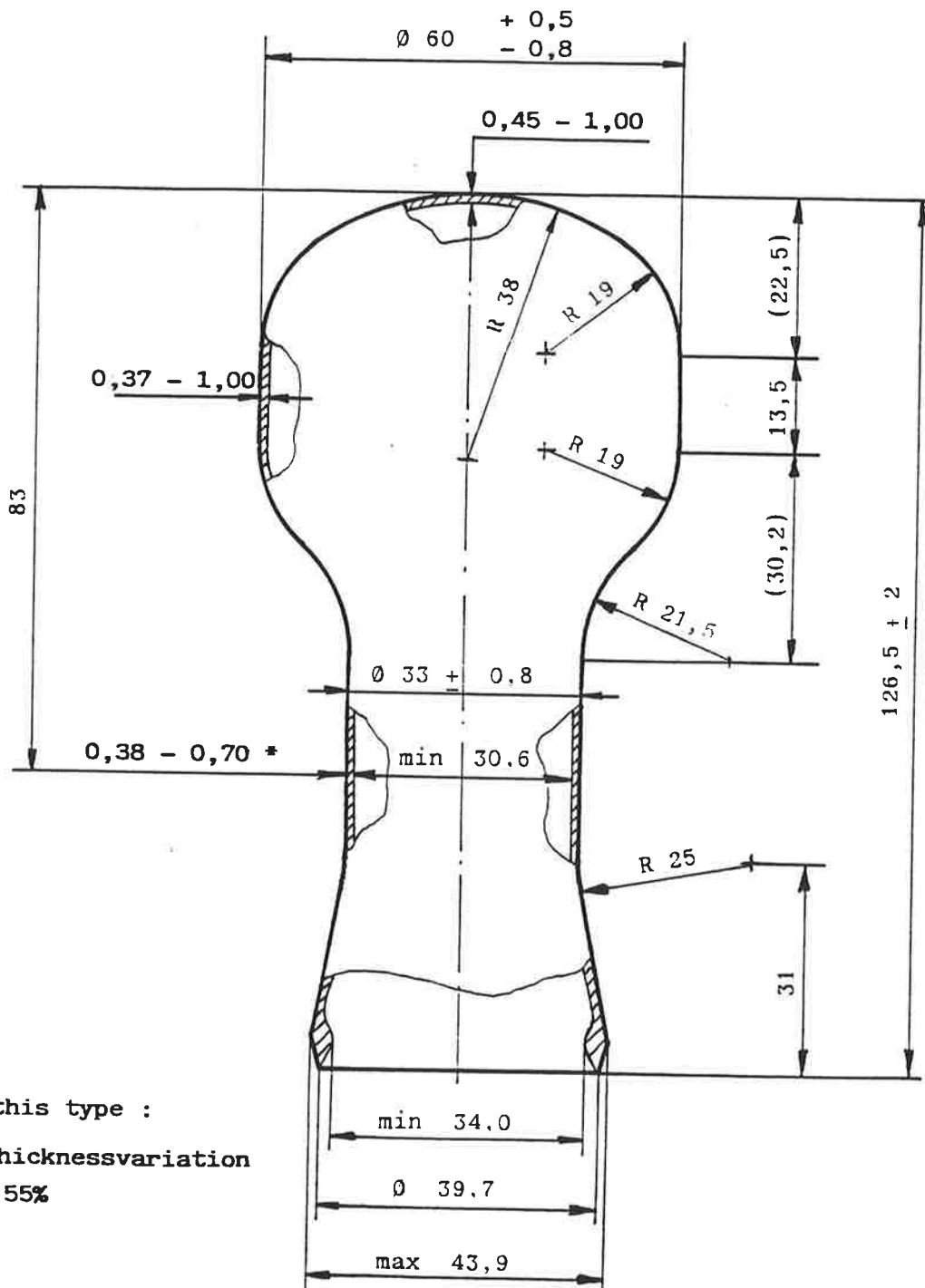
Datum :

01.01.1991 -07.03.1990

ORDERING CODENUMBER

Clear

1740



* For this type :

Neckthicknessvariation
max. 55%

T29 - 29 X 110

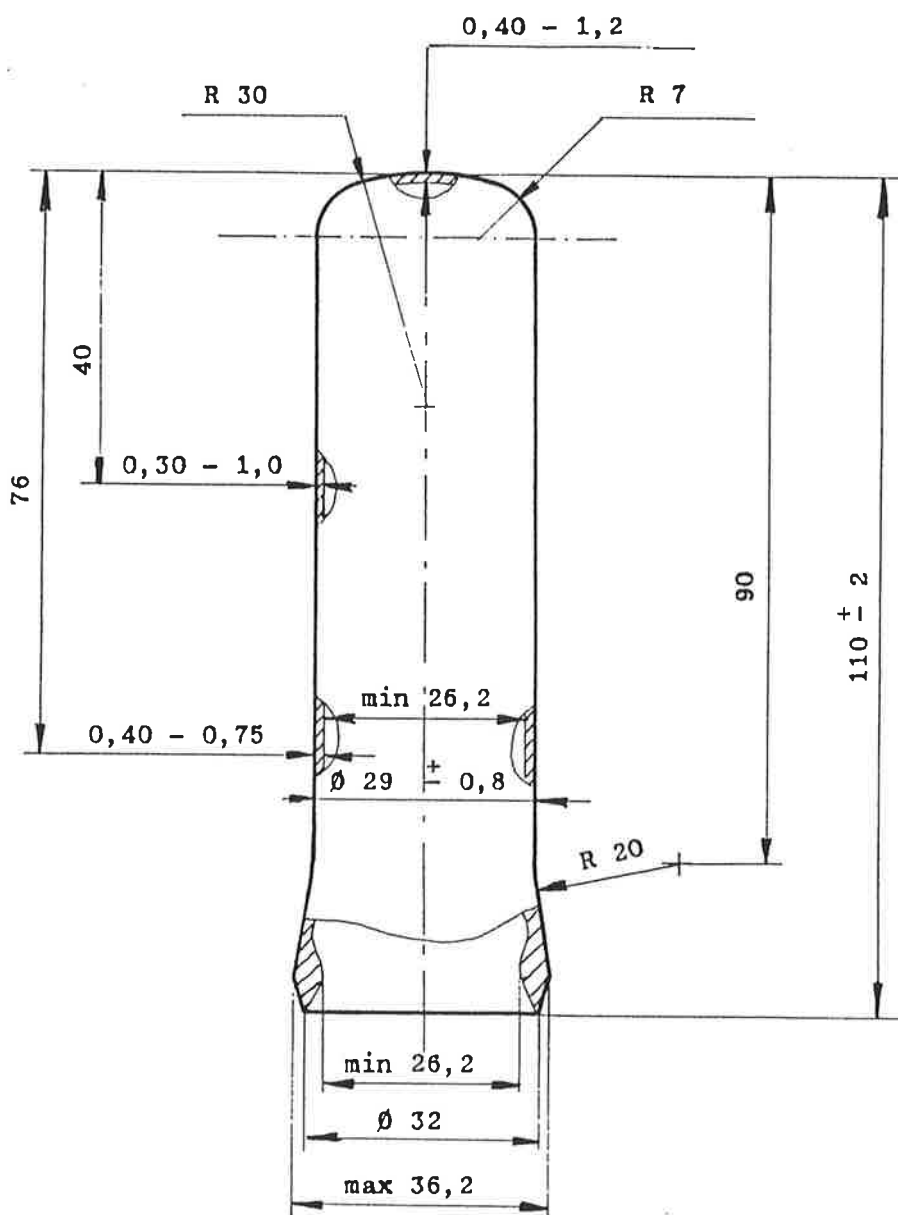
4304 043 20401

Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear	Frosted
1700	1705



ca. 20 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

T25A-25X70

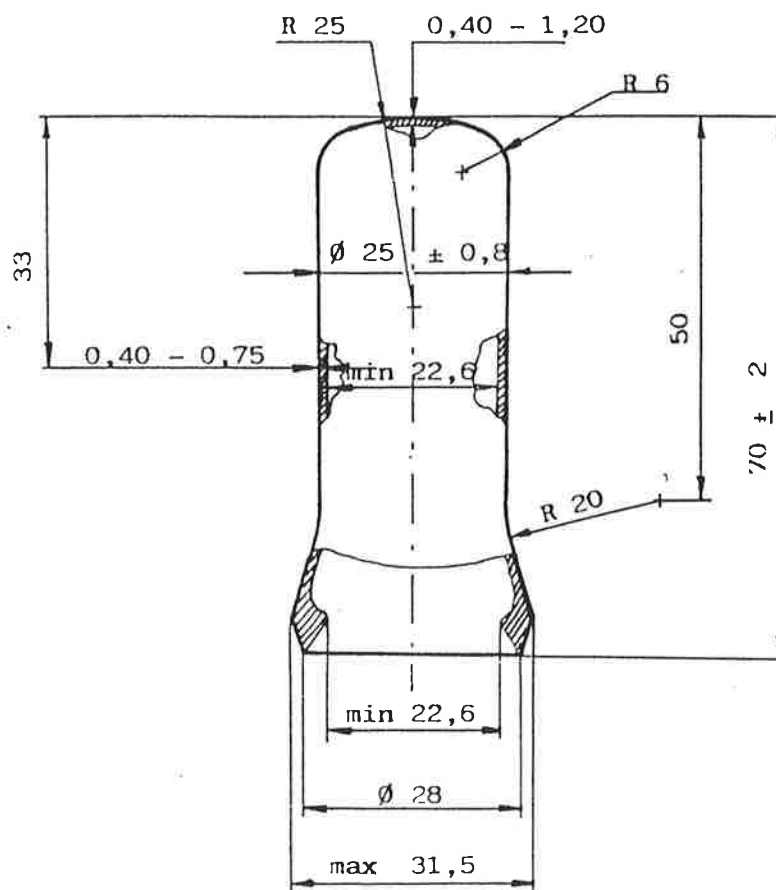
4304 042 81301

Datum :

01.01.91 -01.12-1987

ORDERING CODENUMBER

Clear	Frosted
1760	1765



ca. 10,5 g

T25B - 25X100

4304 042 81501

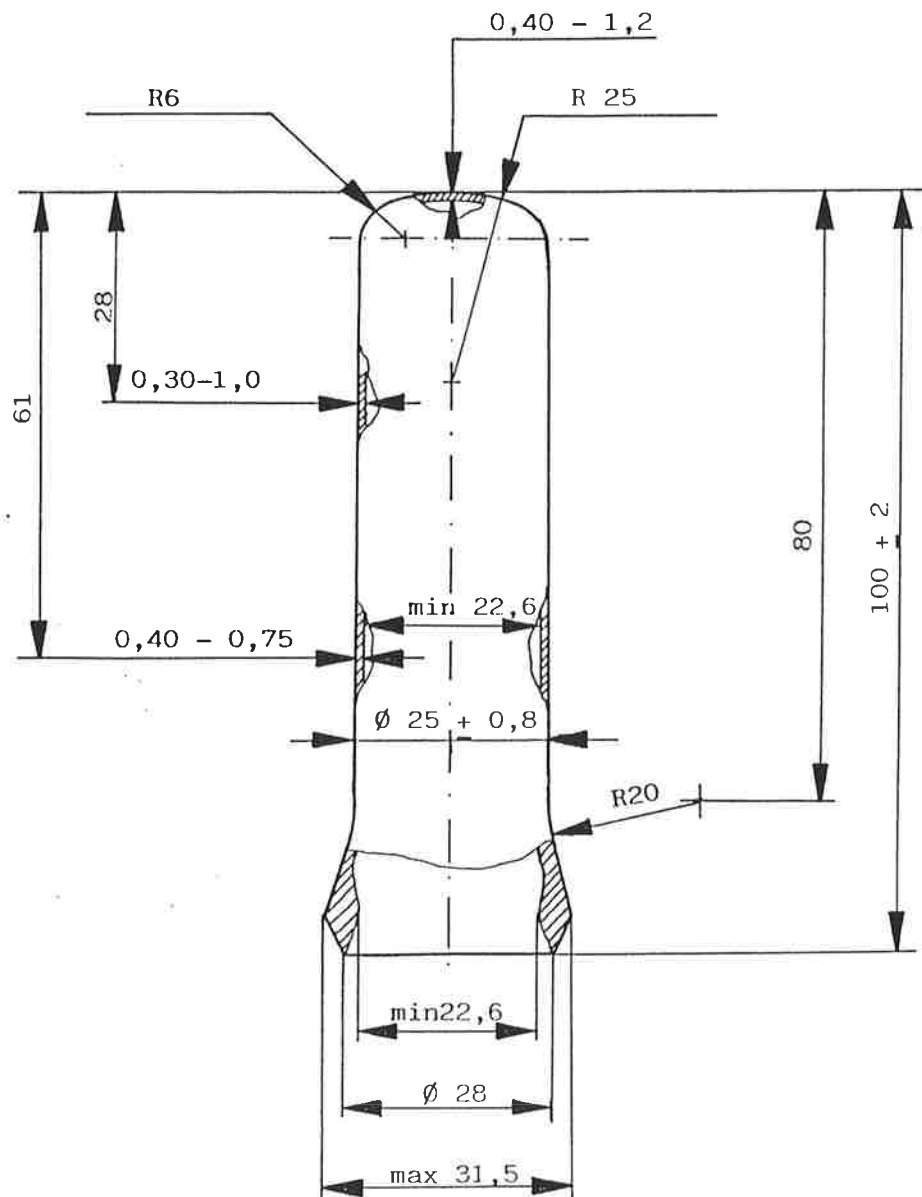
Datum :

01.01.1991 -01.12.1987-

ORDERING CODENUMBER

Clear Frosted

1770 1775



ca 16 g.

EMGO

Naamloze Vennootschap

Fabricage
Voorschriften.

T22 - 22X85

4304 042 80801

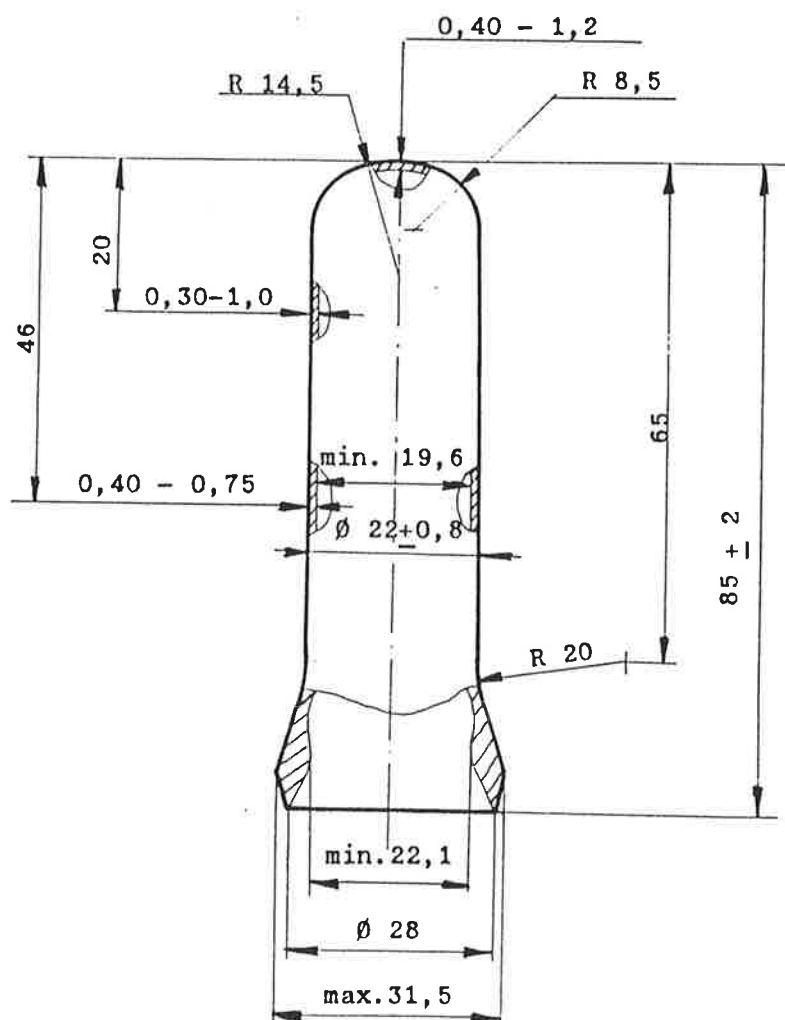
Datum :

01.01.1991 01.08.1977

ORDERING CODENUMBER

Clear Frosted

1720 1725



ca. 13 g.

T22A-22 X 70

4304 042 51301

Datum :

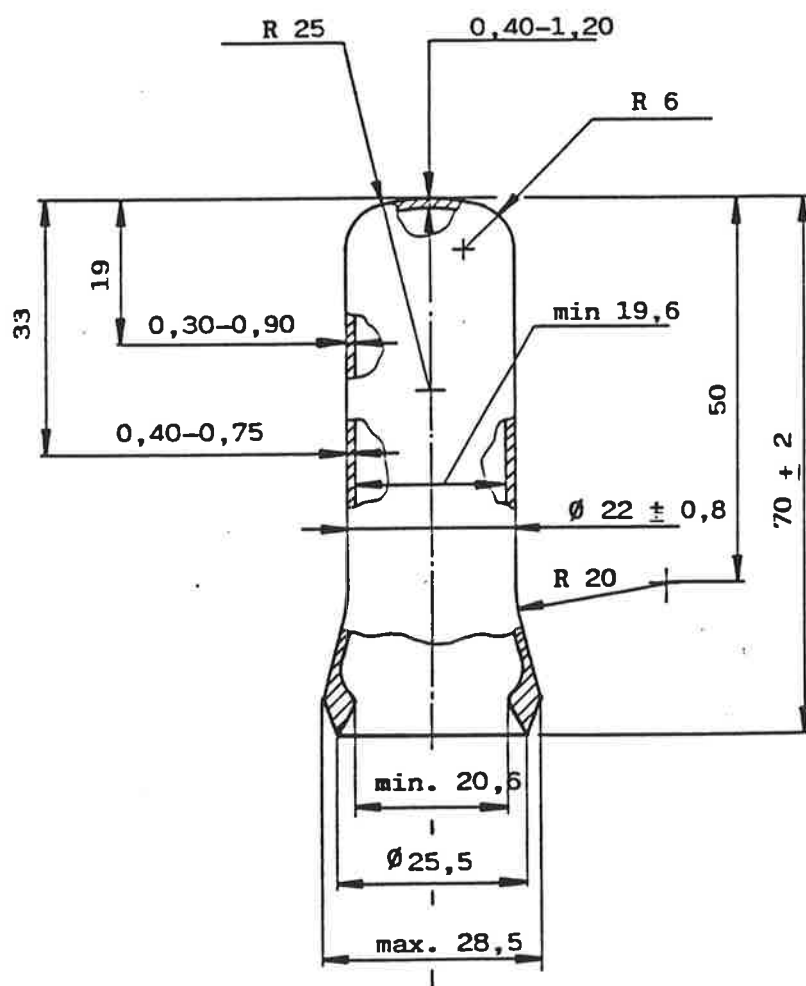
27.02.199201-01-1991

ORDERING CODENUMMER

Clear Frosted

1750

1755

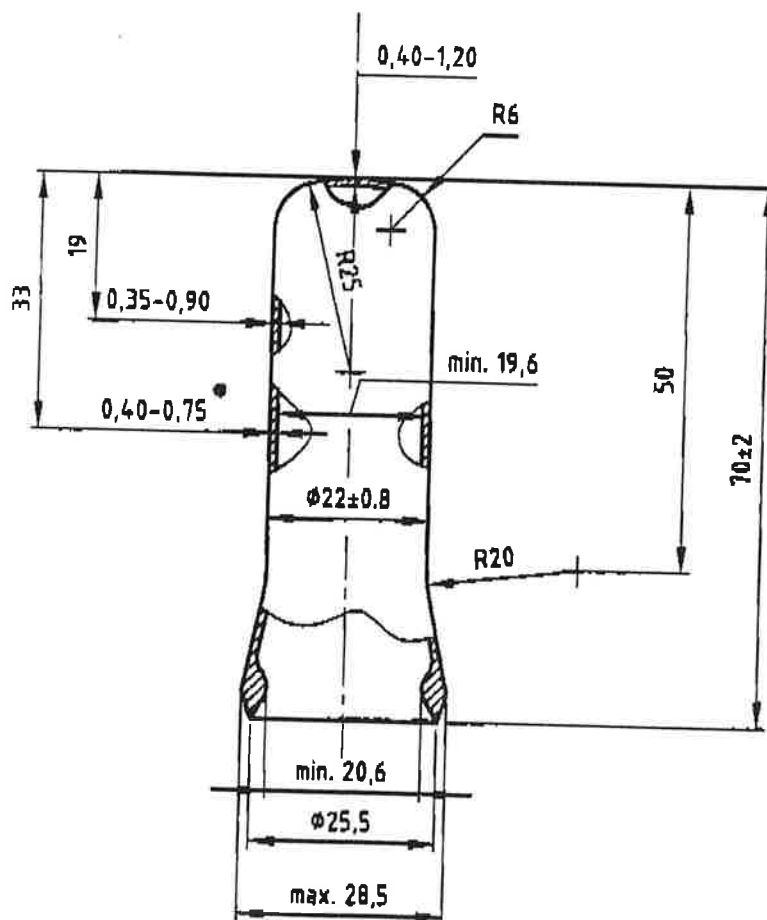


T22A – 22 x 70

Drawing nr.

4304 042 51301

Ordering codenumber	Clear	Frosted
	500-062-1	510-062-1



- For this type :
Neck thickness variation
max. 50%

ca. 10 g

Modification

02-jan-'98	Drawing revised

T17 - 17 X 63

4304 042 10201

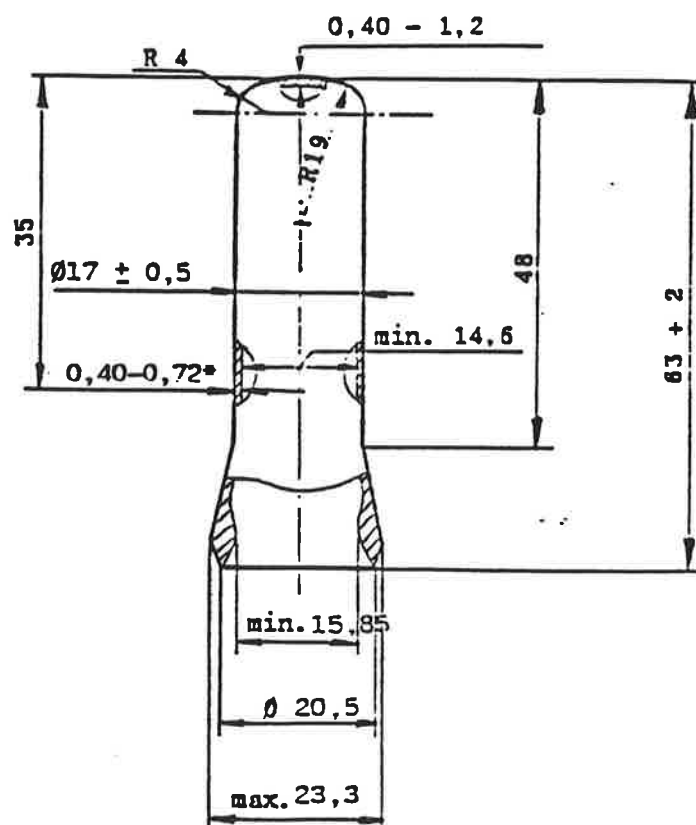
Datum :

01.04.1994 01.01.1991 -07-08-1990

ORDERING CODENUMBER

Clear

1730



* For this type :
Neckthicknessvaration
Max 50 %

ca. 7 g.

TP45-24X100

4304 043 21201

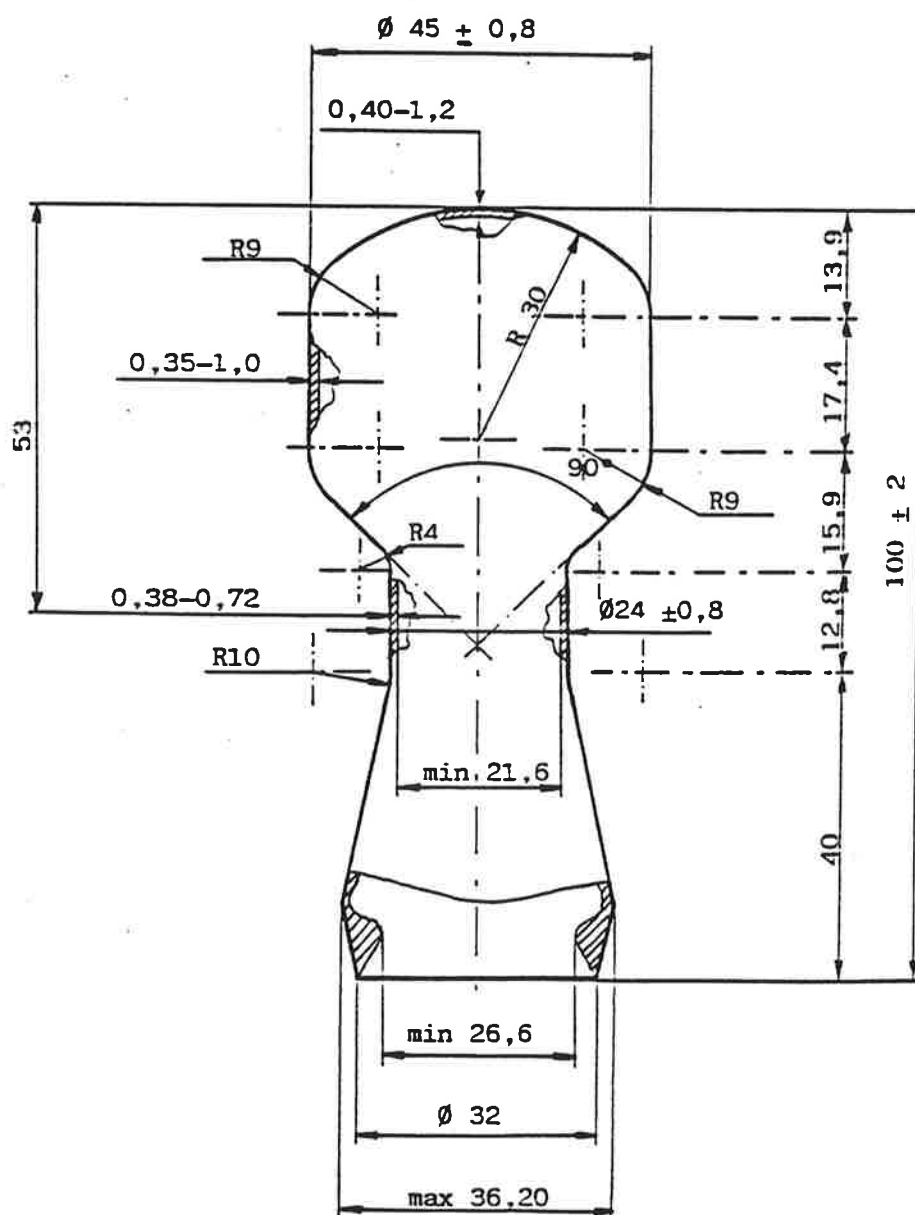
Datum :

01.01.1991 -28.12.1987

ORDERING CODENUMBER

Clear

1780



ca 18g



