

-
,
()

2002

1 « » , « » ,
« »

2 - -
(') 30 2001 .
-

	- -

3
4 1 2002 . -
-
20 2001 . 98
-

	.....	IV
1	.....	1
2	.....	1
3	.....	2
4	.....	2
5	.....	4
6	.....	7
7	.....	14
8	.....	17
	.....	27
	.....	29

1

1

■

« -

—

» (. ,).

« —

» (. ,).

310.1— 310.4 [4—7],

(10178 [8], 22266 [9], 965 [10], 11052 [11],
25328 [12], 969 [13], 15825 [14]).

30744 2001

.

-

11	8.2,4	-
	-	-
		(2400+200) 11/ .

(7 2003 .)

CEMENTS

Methods of testing with using
polyfraction standard sand

2002—03—01

1

EN 197-1, ()

EN 197-1. ()

2

166—89

1770—74

6139—91

6613—86

30744-2001

6709—72

24104—88

25706—83

30515—97

3

— 30515.

4

4.1

30515.

4.2

4.3

50 %.

4.4

09

6613.

(

4.5

6139.

6139

SiO₂

96 %.

4.6

4.7

6709

4.8

4.9

(20±2) °

50 %

65 % —

65 % —

4.10

(20±1) ° ,

() —

90 %.

4

4.11

)

(

1.

!

	(±)
<div>-</div> <div>-</div> <div>-</div> <div>-</div>	<div>0,01</div> <div>1</div> <div>2</div> <div>5</div> <div>1 (1)</div>

4.12

4.13

5

5.1

5.1

009 6613.
008. -
150—200 40—100 ,
10
.

24104 0,01 .
1770.

25706.

5.1.2

5.1.2.1 , 4.4,
, ,
2 -
, 2 ,

5.1.2.2 (,
,)
5.1.2.3 10 ,
5.1.2.1, ,
-
-
0,01
1 .
^

5.1.2.4 -

5.1.2.5 5.2.3. -

1 % -
1 %, -

0,1 %.

5.2

5.2.1

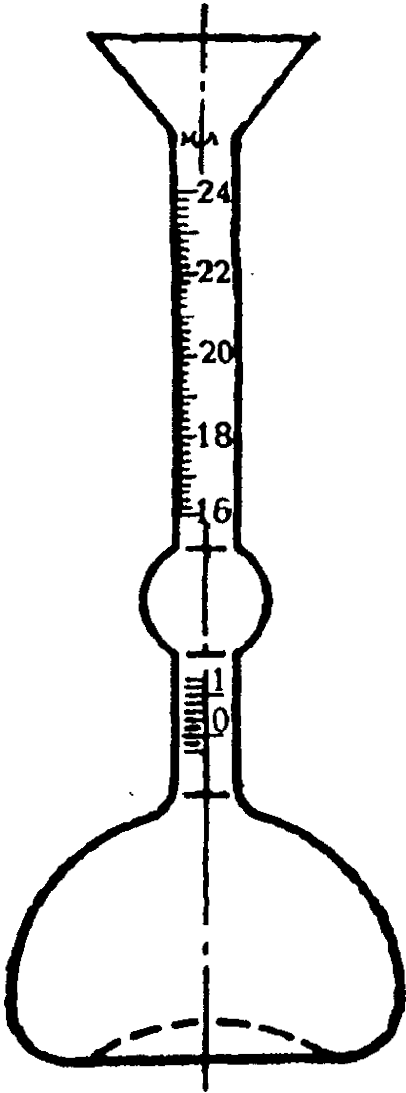
1). 24104 0,01 . -

5.2.2

5.2.2.1 -

5.2.2.2. 5.2.2.2 -

5.2.2.2 -
() 5.1.2.1, ^
65



1 —

10

10

, / 3,

$$= \sim jr >$$

(1)

—
V—

—

0,02 / 3.

0,01 / 3.

—

5.2.2.3

5.2.2.2,

—

5.1.2.1.

5.2.2.4

1

1 %

$$1 - 2/ \left(1 - 2/ \right).$$

6

6.1

—

$$),$$
$$(\quad , \quad)$$

9

1 .

—

1

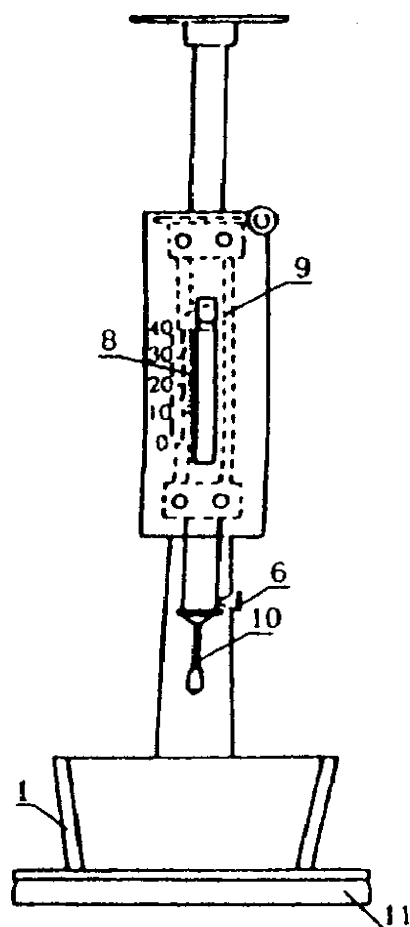
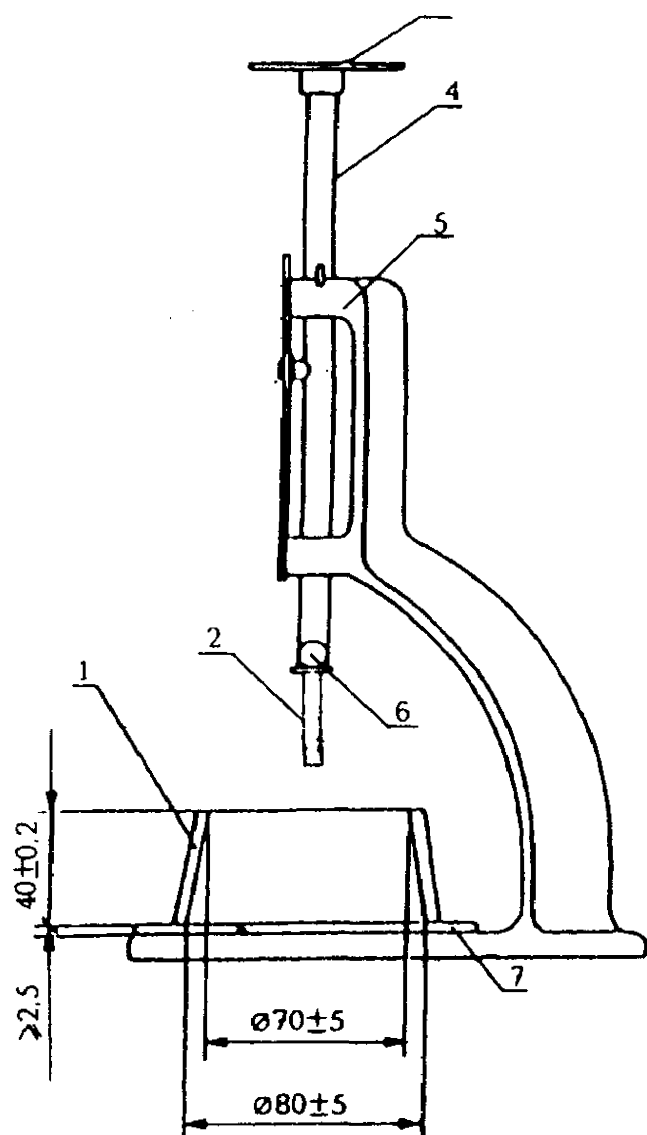
3.

—

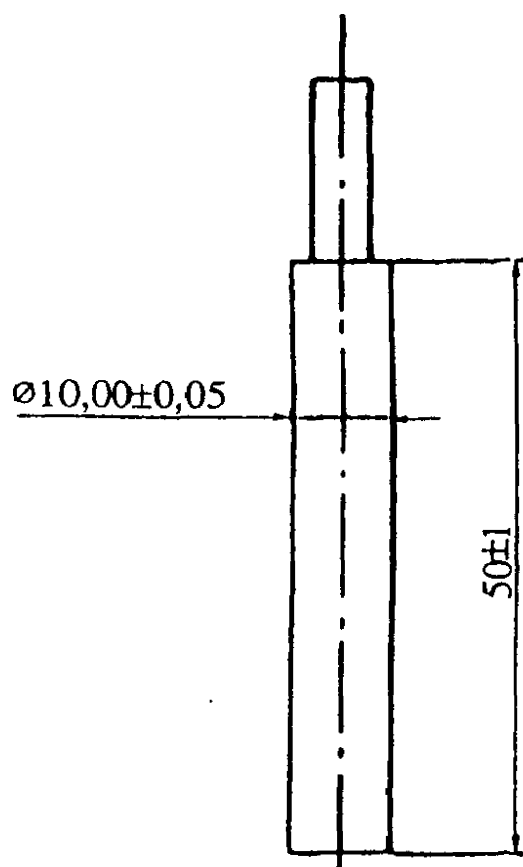
1

4 5.

(300±1)

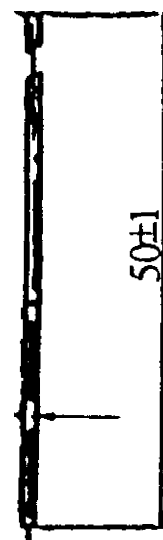


1 — ; 2 — ; 3 — ; 4 —
 ; 5 — ; 6 — ; 7 —
 9 — ; 10 — ; 11 —
 2 —

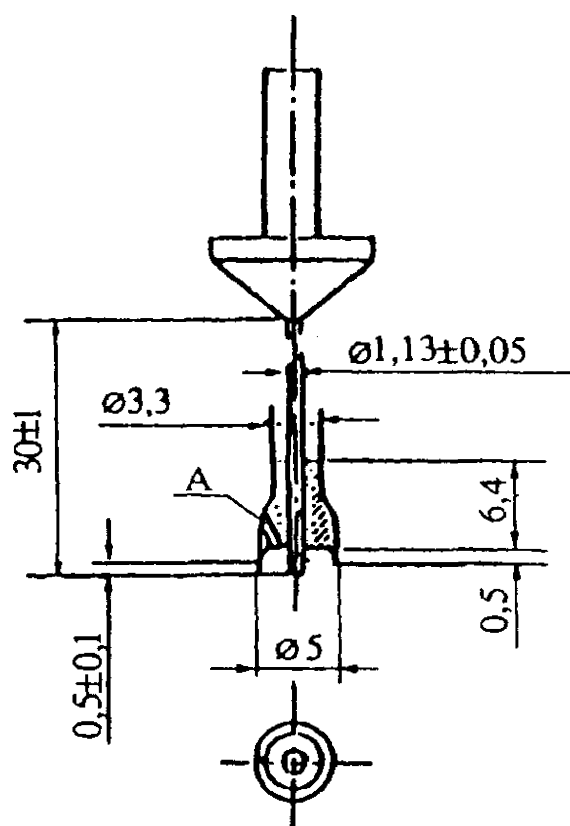


3 —

#

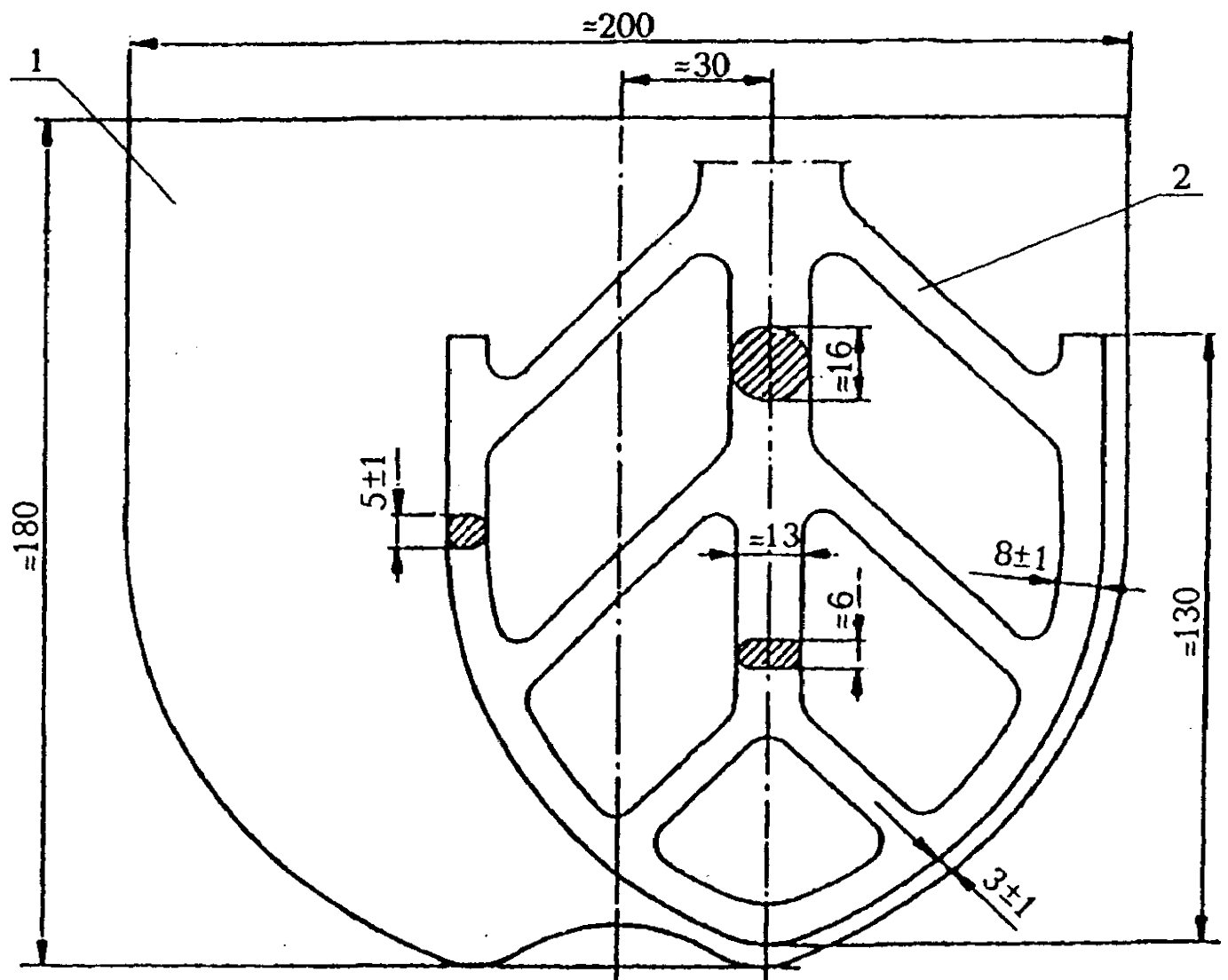
 $01,13 \pm 0,05$ 

4 —



5 —

*



1 — чаша; 2 — лопасть

Рисунок 6

2.

2,5
($40 \pm 0,2$)

(6).

5

，
(3,0±1,0) .

，
2.

2

	140±5 285± 10	62±5 125± 10

24104

1 .

1770

1 .

6.2**6.2.1**

)

(-

6.2.1.1

， -

， -

， . -

. -

6.2.1.2**4.4.****6.2.1.3**

， ()

， -

，

	5—10	500	-
		90	-
15			-
			-
	90		-
	3		-
6.2.1.4			-
			-
			-
			-
			-
	1—2		-
6.2.1.3			-
	4	30	-
			-
6.2.1.5			-
		(6±1)	-
6.2.1.6			-
	6.2.1.5,		-
6.2.1.7			-
			-
		0,25 %.	-

6*2.2

6.2.2.1

6.2.1.1

6.2.2.2

6.2.1.3.

6.2.1.4.

6.2.2.3

1—2

30

10

10

65 %,

6.2.2.4

(4±1)

5

6.2.3

6.2.3.1

6.23.2

6.2.2,

,

,

6.2.2.3

30

6.23.3

0,5

15

7

7.1

6.1.

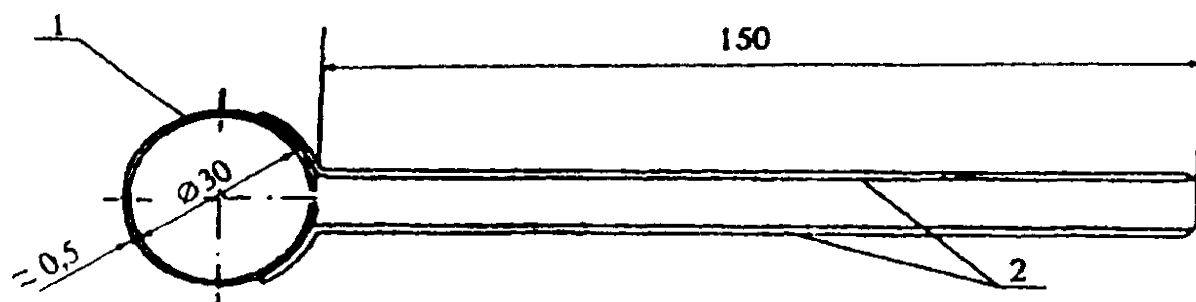
(7).

7.

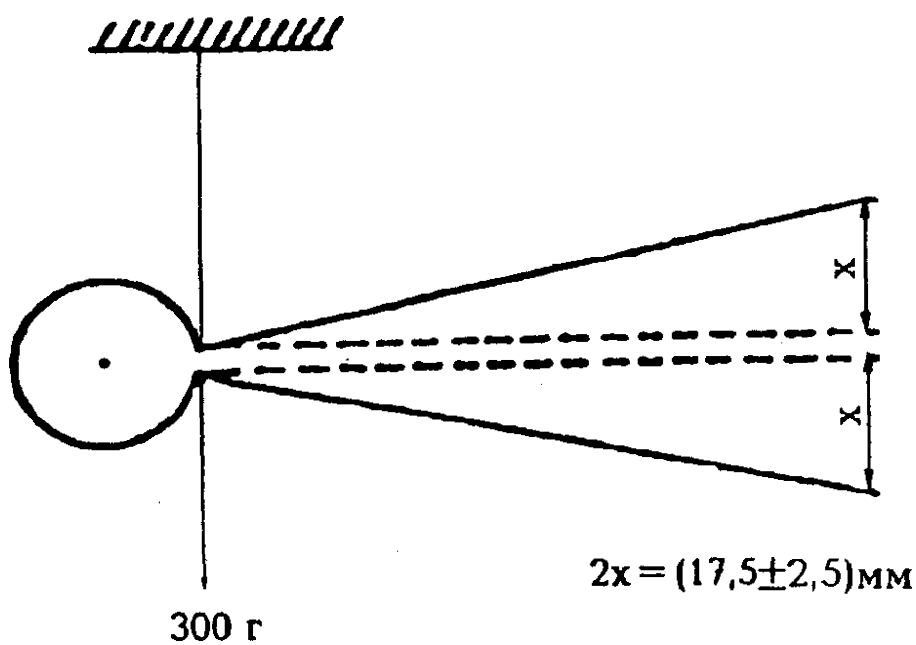
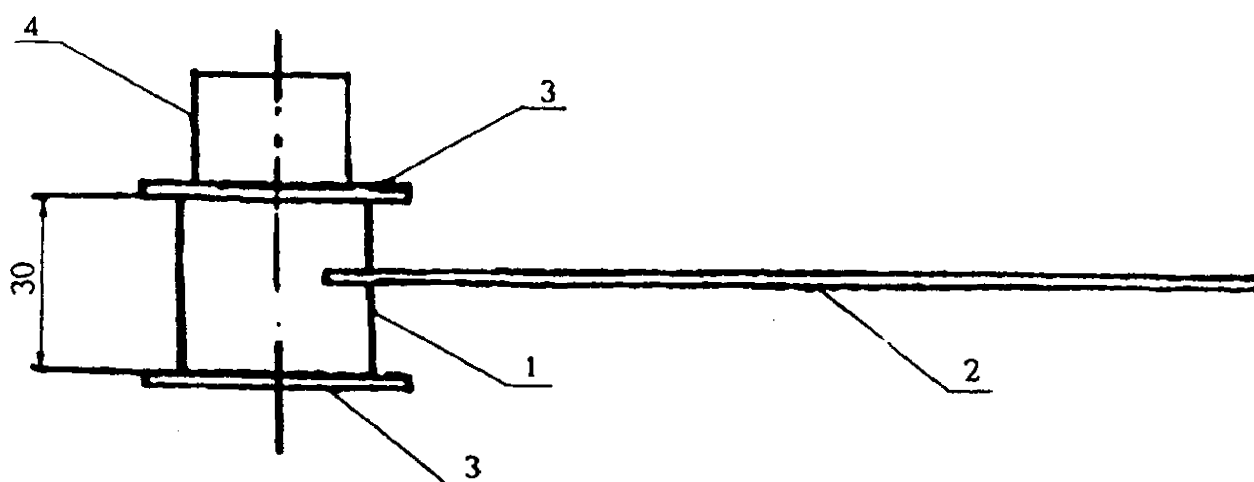
300

7,
(17,5±2,5)

#



6



— (); —
 (); —
 / — ; 2 — ; 3 — ; 4 — *

7

75 .

()

166.

4 0.

7.2

7.2.1

7.2.2 6.2.1.

7.2.3 7.2.2,

(24±0,5)

(24±0,5)

(20±1) °

7.2.4 7.2.3

0,5 (

),

(30±5)

(180±5)

4—6

()

7.3

7.3.1

7.3.2

7.3.1.

0,5 .

8

8.1

6.1,

40x40x160

(8).

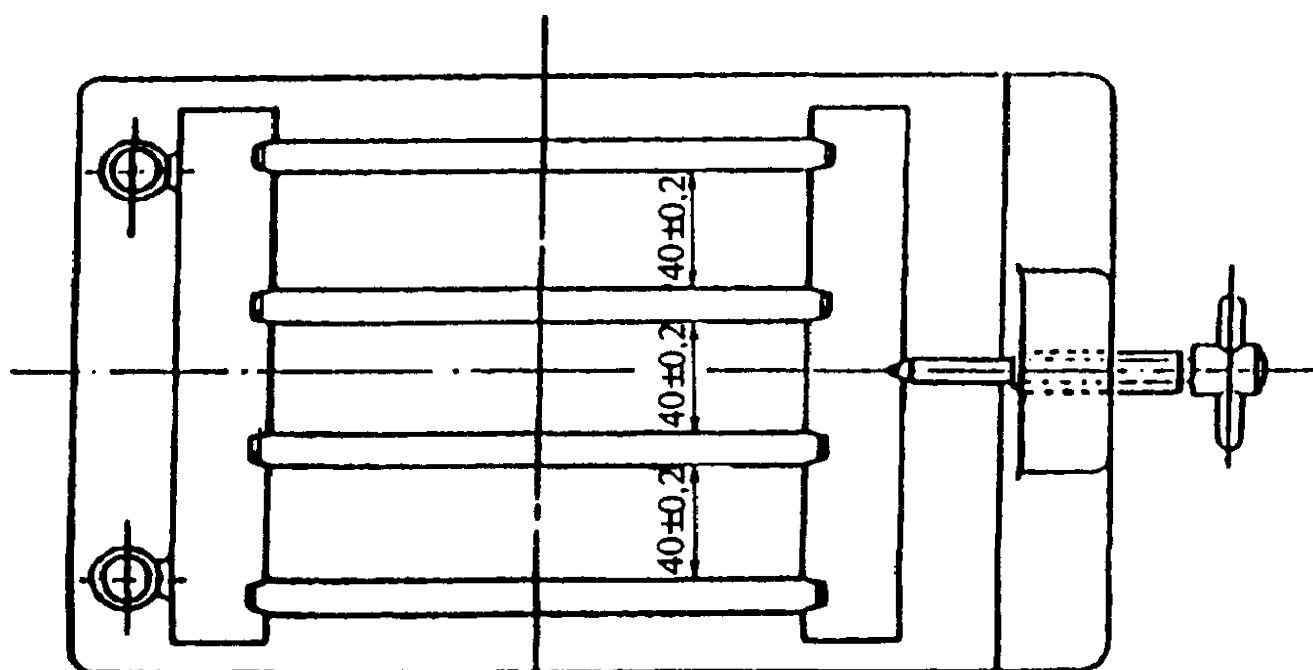
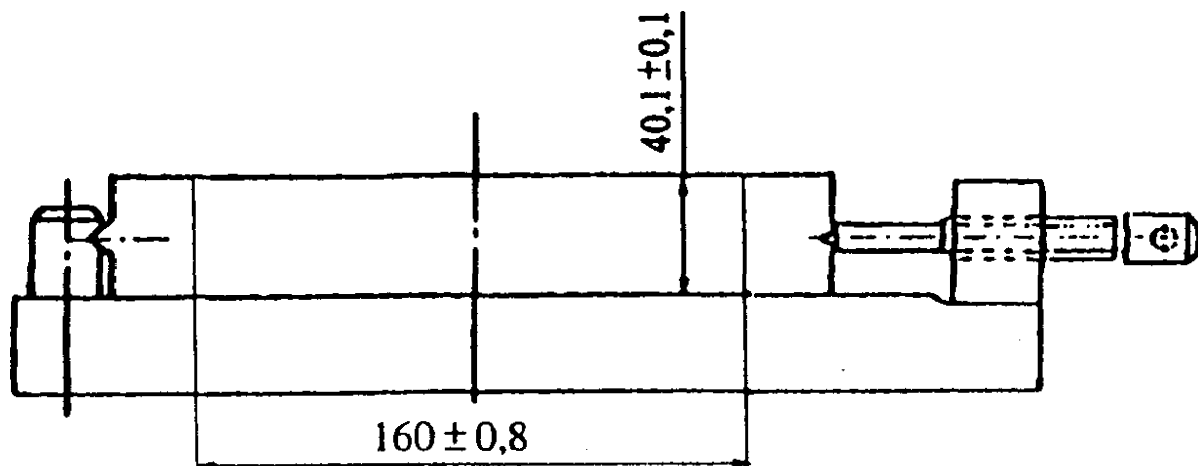
20—40

210x185 ,

6

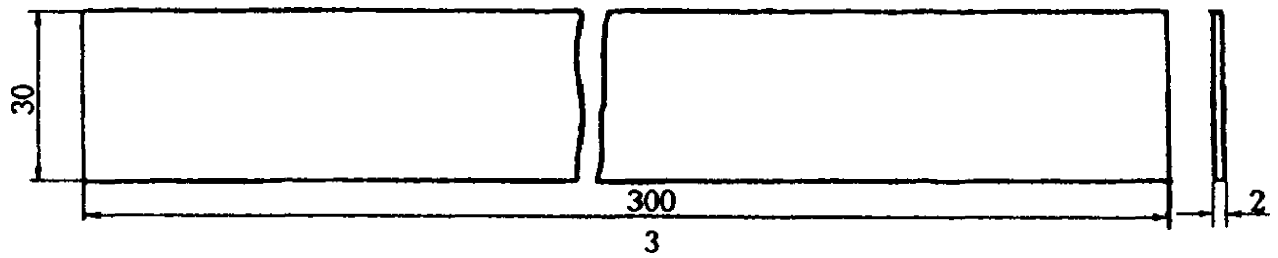
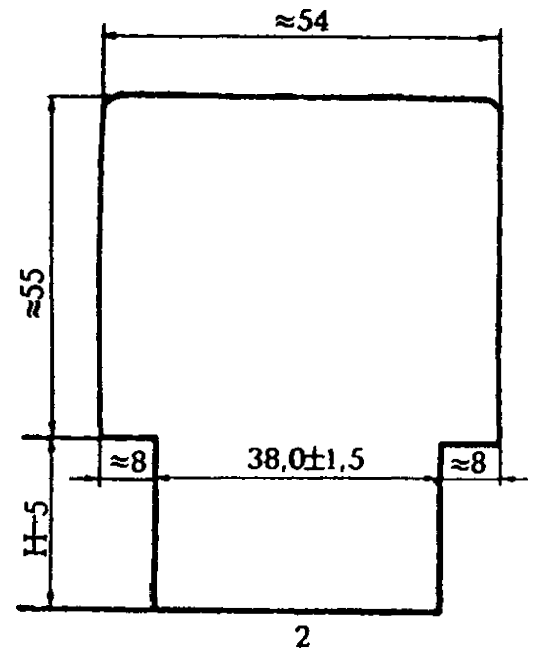
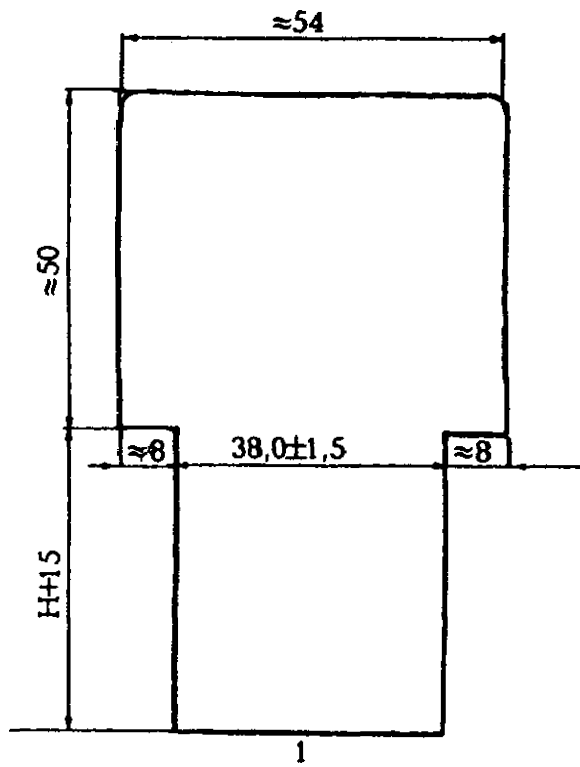
(9).

(15±0,3)



8—

(20±0,5) .
 60
 60
 10 ,
 (50± 10) / . (10)



1— ; 2— ; 3—

9—

4/5

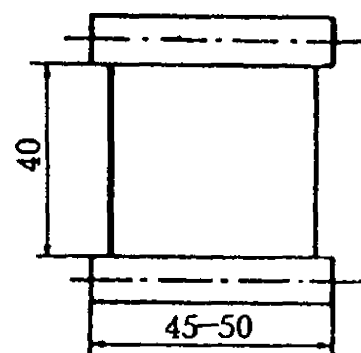
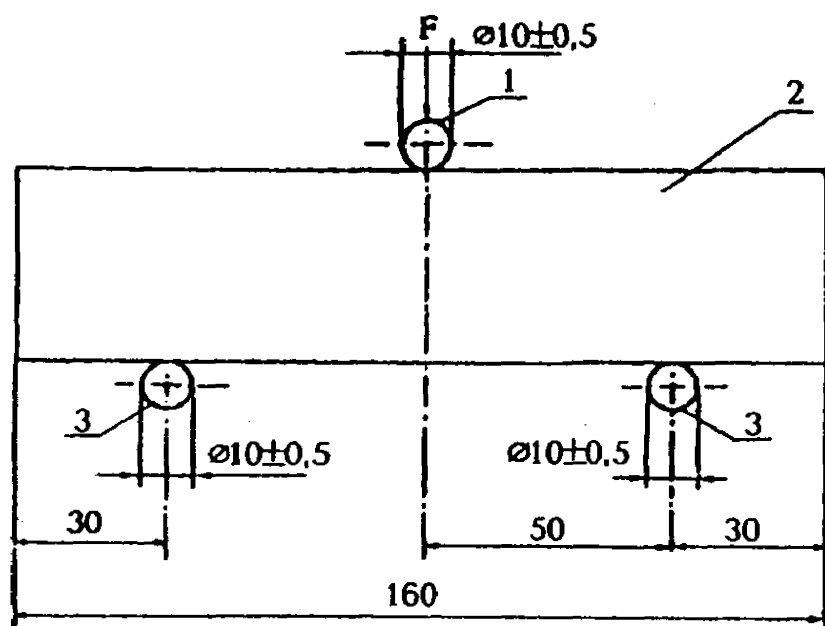
+1 % -

56—61 HRC₃

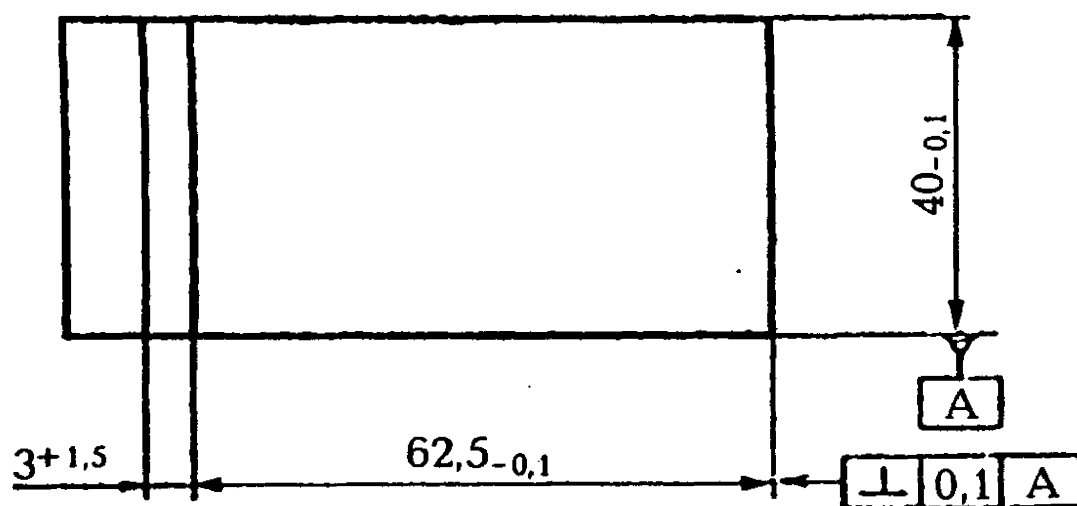
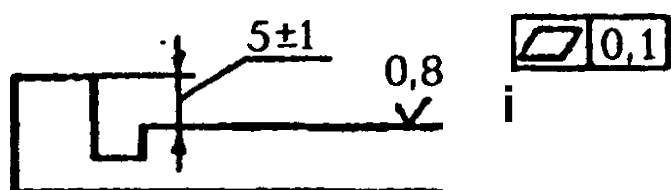
10.

500 , -

± 1 % 4/5 -



1— ; 2— ; 3—
10—



11—

*

.
 ,
 ±0,5
 :
 (40±0,1)
 10
 (40±0,1)
 60 HRC₃,
 11.
 ()
 4.10.
 24104
 1770
 2
 1
 8.2
 8.2.1
 4.4.
 (—),
 1:3
 0,50.
 450
 1350
 225
 3.

		-
		, (±1)
	»	30
		30
		30
(	—	90
)		(15)
		60

8.2.2

8.2.2.1

8.2.2.2

8.2.1

300

60

60

8.2.2.3

,
 ,
 .
 ,
 ().

8.2.2.4

()

8.2.2.5

(24±1)
 .
 ,
 20
 (24±1)
 ,
 (48±2)

8.2.2.6

,
 2
 (20±1) °
 14

8.2.2.7

.
 4.

*

	(±)
1; 2	15
3	45
7	2
28	8

8.2.3

$(50 \pm 10) \text{ } ^\circ \text{C} / \text{s}$.

8.2.4

10

40x40

8.2.3

8.2.5

8.2.5.1

$F_{\text{—}}$, ;
 $b_{\text{—}}$ - , ;
 $l_{\text{—}}$, .
 -

0,1 .
 8.2.5.2 /? , ,
 -

=| . (3)

$F_{\text{—}}$, ;
 $S_{\text{—}}$, 2.
 -
 - .
 0,1 .
 10 %
 ,

10 % -
 , -

8.3

8.3.1

8.3.2

(,

, .).

30744-2001

8.3.3

-

,

-

,

,

-

.

28

,

6 %

20

,

.

8.3.4

28

15 %

-

.

()

-

.1.

,

.

.1

()	()	
		,
		-
-		-
		,
-		,
		,
	-	-

. 1

()	()	
		,
	-	,
		,

()

- [1] EN 196-6 .
(Methods of testing cement — Determination of fineness)
- [2] EN 196-3 .
(Methods of testing cement — Determination of setting time and soundness)
- [3] EN 196-1 . -
(Methods of testing cement — Determination of strength)
- [4] 310.1—76 . . -
- [5] 310.2—76 . -
- [6] 310.3—76 .
- [7] 310.4—81 . -
- [8] 10178—85 . -
- [9] 22266—94 . -
- [10] 965—89 . -
- [11] 11052—74 -
- [12] 25328—82 . -
- [13] 969—91 -
- [14] 15825—80 . -

30744-2001

691.54:620.1(083.74)

91.100.10

19

5709

:

,

,

-

30744-2001

. . . .

. .

. .

. .

.

. 19. 12. 2001.

. . . 1,8.

300

60 84¹/₁₆.

. JSfe 2386

—

()

127238,

,

,

46,

. 2.

/ (095) 482-42-65 —

∴ (095) 482-42-94 —

(095) 482-41-12 —

(095) 482-42-97 —

.

;

;

.

50.6.61

!

7

2000 .

-5630/1

.

,

-

,

,

-

,

—

-

<

,

.

)

-

,

.

-

,

-

«

-

» (), «

,

-

»,

,

«

,

-

»,

-

«

» ().