

« ( . .) . .»

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( ) \_\_\_\_\_ . .  
«\_» \_\_\_\_\_ 20\_\_ .  
«\_» \_\_\_\_\_ 20\_\_ .

« *13.02.07* »  
( ) »

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13.02.07

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- 01.
- 02.
- 03.
- 04.
- 05.
- 06.
- 07.
- 08.
- 09.
- 10.
- 11.
- 1.1.
- 1.2.
- 2.1.
- 2.2.
- 2.3.

2.4.

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2.5.

3.1.

3.2.

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13.02.07

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1.

1.1):  $M - , 2M - , 3M - , \dots$

( .1.1)

N

( , ) .

L ( .1.1)

= —

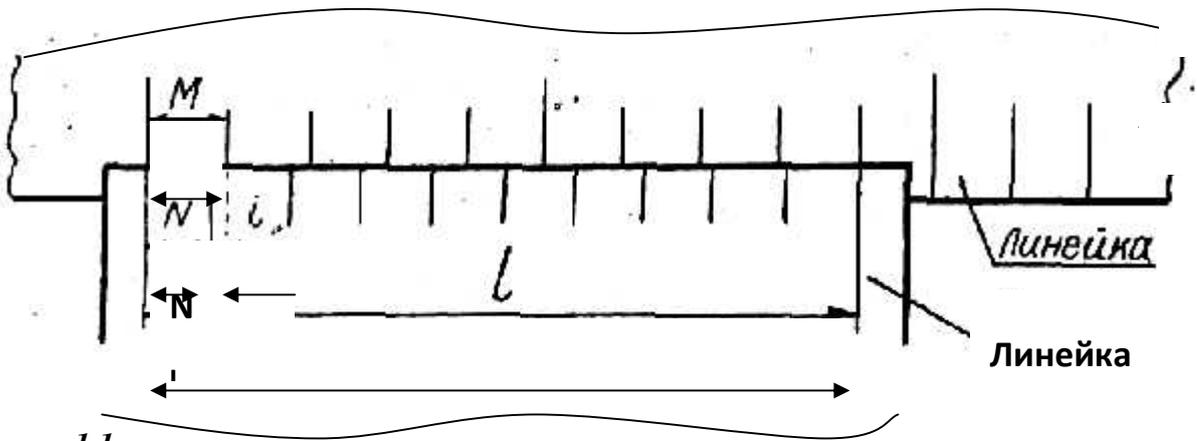
0,1 ; 0,05 ; 0,02 . .1.2,

$= \frac{1}{10} = 0,1$  (

- 1 ,

- 10). .1.2,

0,05 .



.1.1.

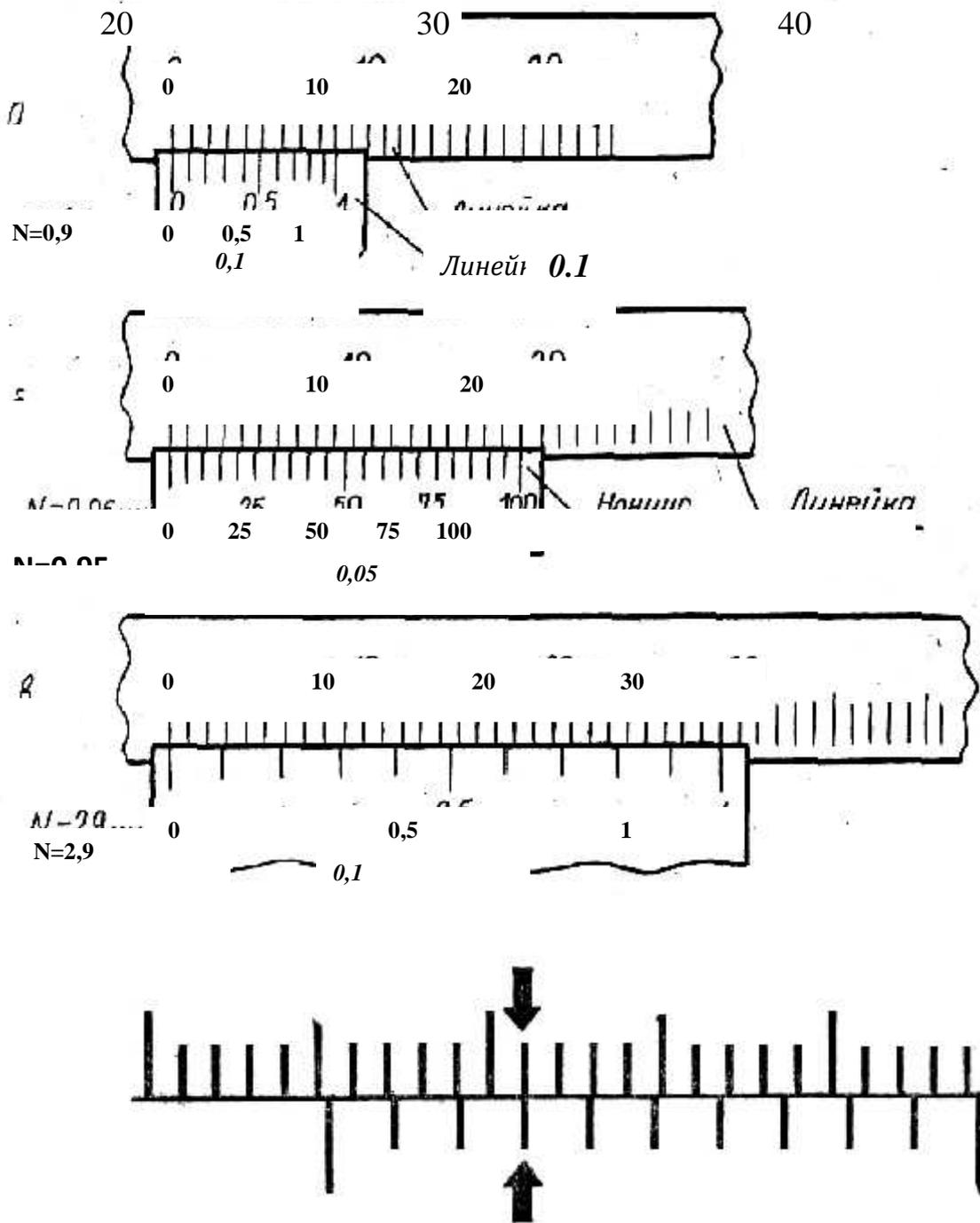


Рис.1.3. Отсчет размеров по нониусу (25,3 мм)

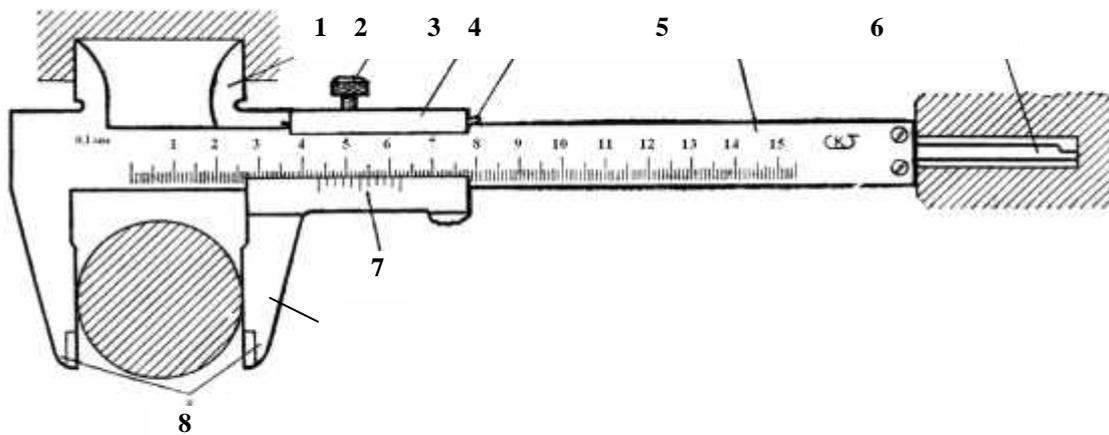
$$=25 \quad +1=26 \quad ( \quad .1.3)$$

$$25- \quad 1 \quad 0,1 \quad .1.3. \quad =25 \quad , \quad 3- \quad n=3.$$

0,1 = 25,3 . ! , , = 0,1 , = 25 + 3  
 , , , 50, 10 0,05 = 5 .1.2,

**1.2.**

, ( .1.4) ( .1.5, ).  
 8 ( ) 3 1.



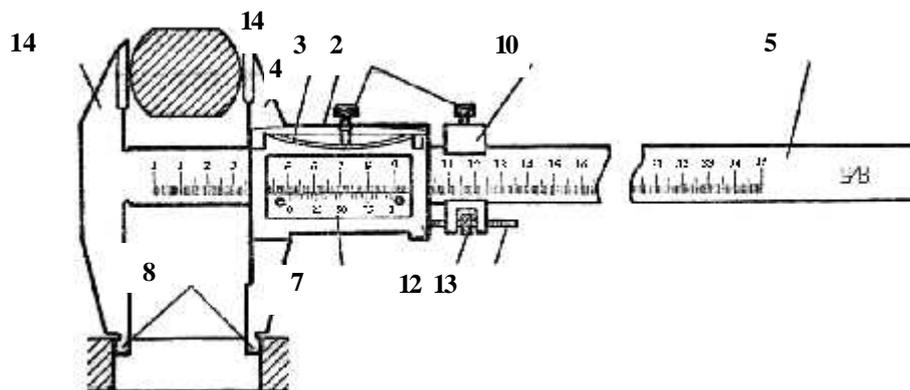
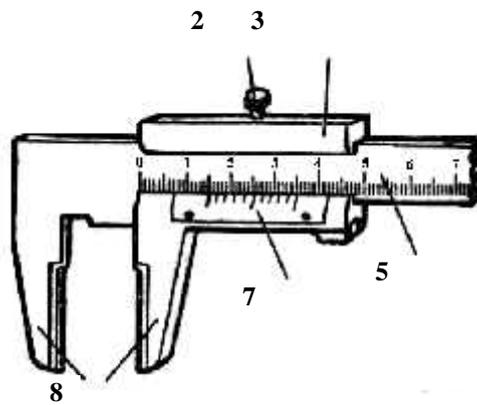
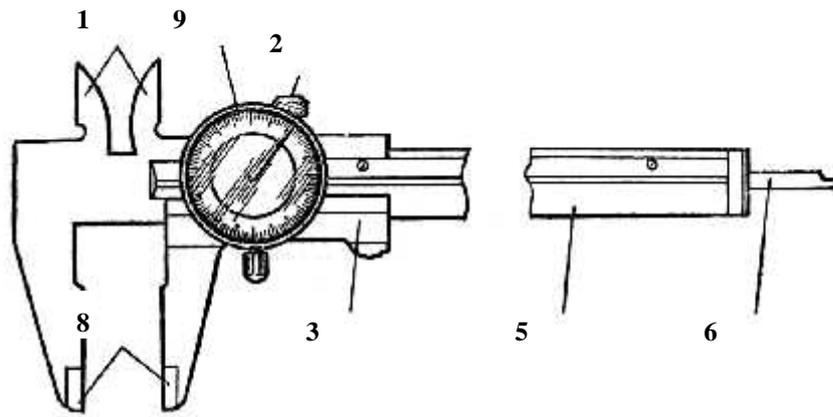
**.1.4. -1**

4, 7. 3 6  
 ( .1.5, , .1.6) 10 3 5.  
 12 13, 13, 10.  
 2 3, 12, 13  
 11 ( .1.5, )

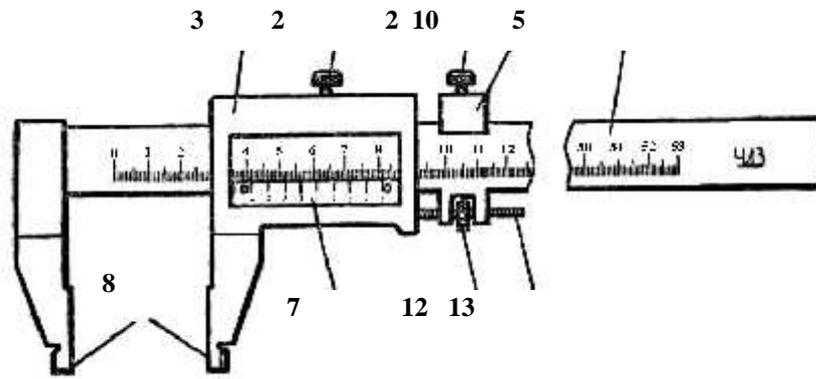
“ ” “ ” “ ”

$$X = A + a,$$

- ;

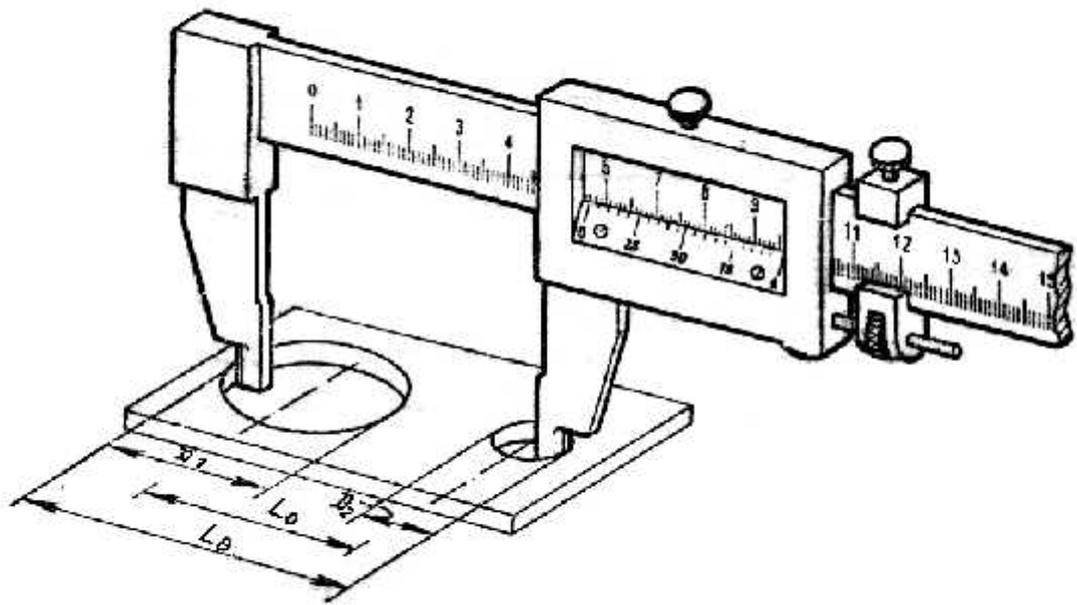


.15.



.1.6.

-111



.1.7.

( .1.5, , ). ( .1.6)

9, -1 ( .1.5, ) ,

-1 ( .1.5, ) ,

8 -1 ( .1.5, ) ,

8 -1 ( .1.5, ) ,

( .1.7)

$$L_0 = L_a - \frac{D_1 + D_2}{2}$$

100; 125; 150; 200; 300; 400; 500; 600; 800; 1000 .  
1000 4000 .

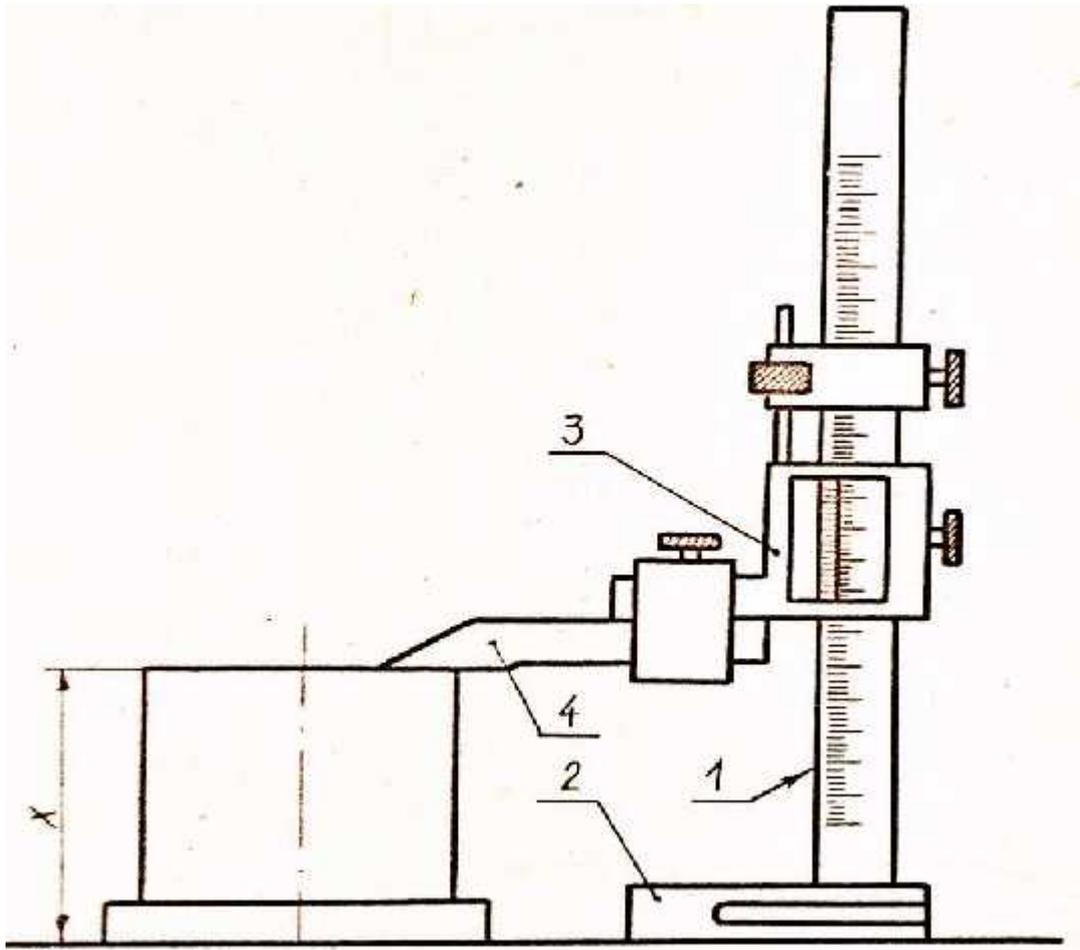
1.2.1.

1. .
2. .
3. .
4. 3- .
5. .

1.3.

( .1.8) , 6, .  
1 , 4 .  
5, .  
2, -11 ( . .1.5, )<sup>3</sup> .  
4  
( .3.2). , 200, 300, 500,  
800 1000 . .2.1.

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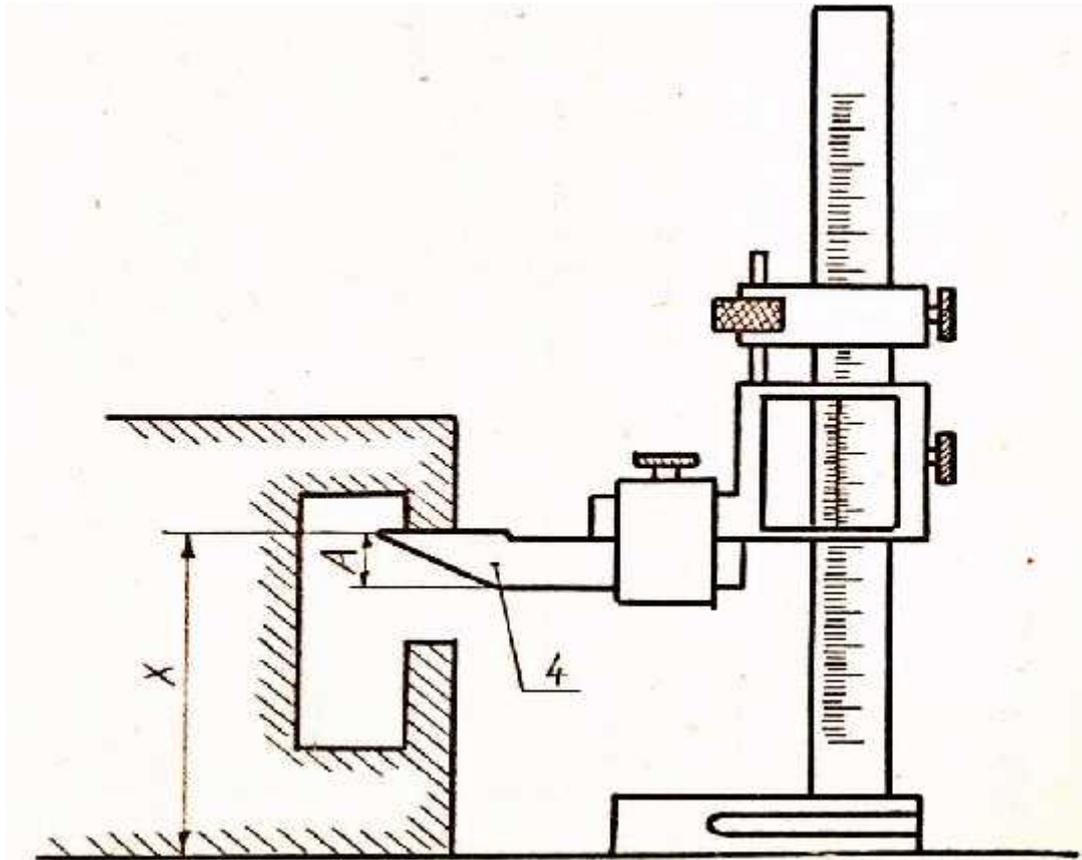


( -1 ).

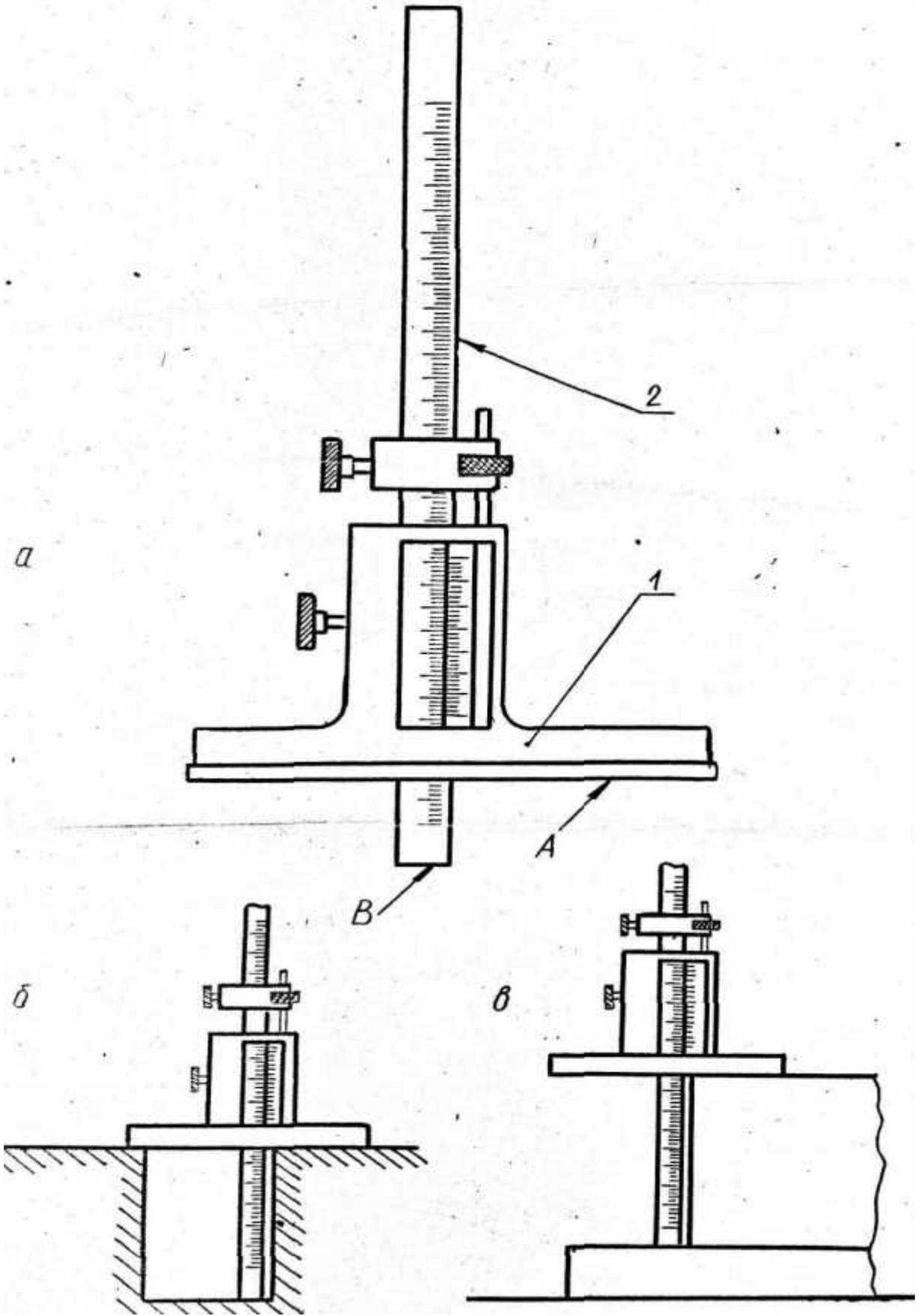
( .4.1)

1.

.3.1.



.3.2.



.4.1.

« » ( .4.1, ).

2.

« ».

100 500 .

. .2.1.

1.

( 1 )

( .5.1)  
 ( , ).

».

.5.2  $S_x$  - ,  $\Delta S_x$  - ,  $\Delta S_x$  - ,  $u S_x$  -

$S_x$   $h_x$

$S_x$   $h_x$

$S_x$   $h_x$

20 :

$S_x=1,387m$

$h_x=0,7476m$ , m -

( .5.1)

4 12. 12,

10. 13

8

0,02

4 ( ,)

14

1.

14

2

0,02

4

3.

13 14

9 7

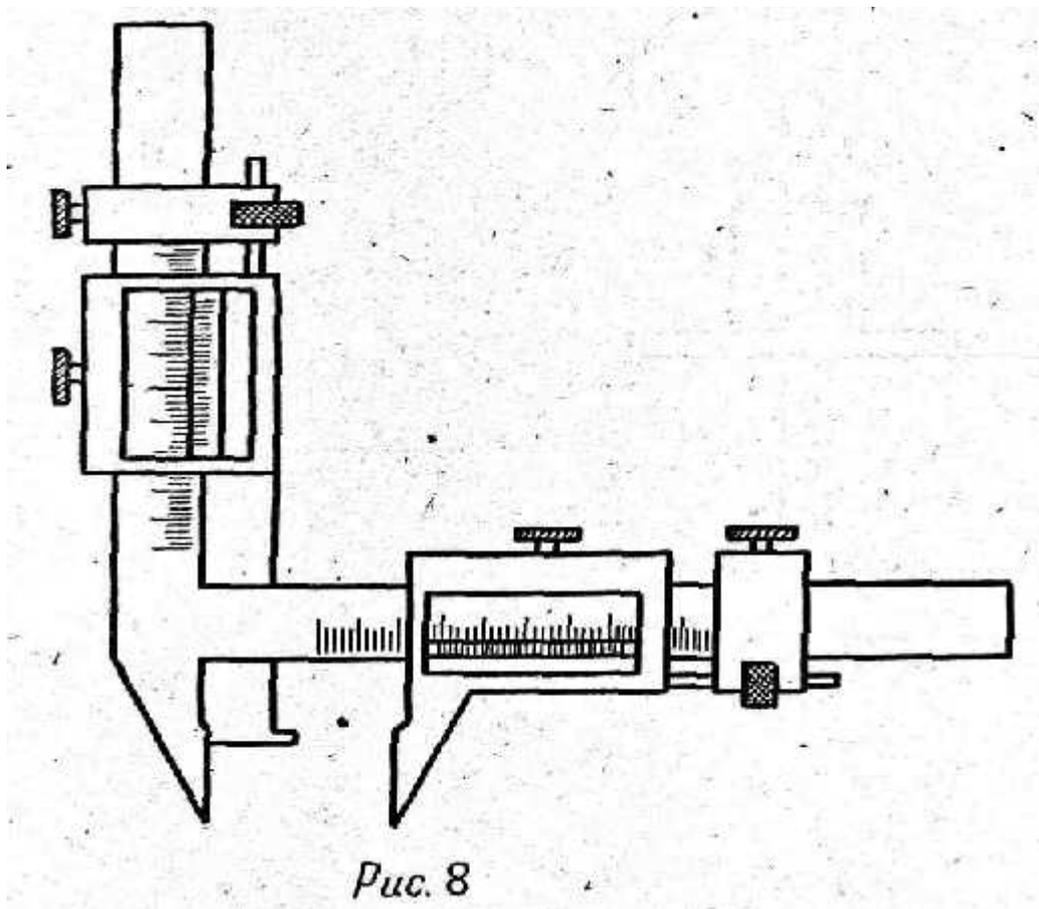
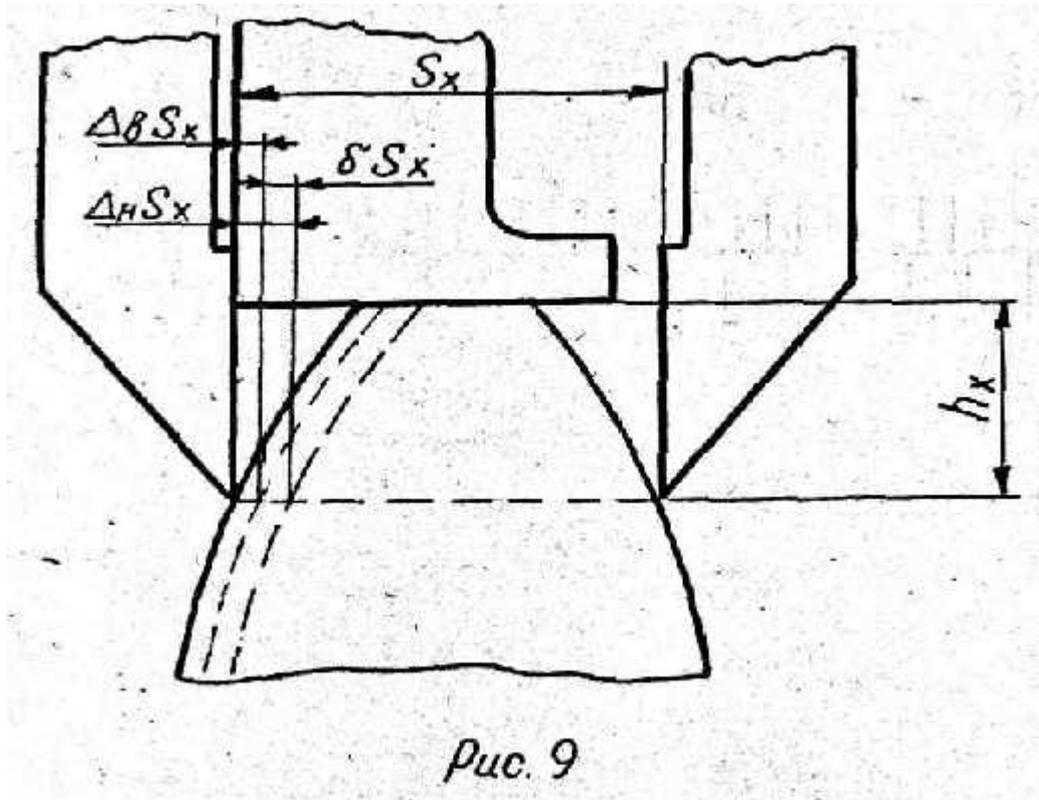


Рис. 8

.5.1.



.5.2.

$S_x$  3 10  
 $h_x$  3 10  
 12 2 4 8 1 12

5.2.

5.2.1.

5.2.2.

5.2.3.

4 12.

5.2.4.

5.2.5.

6.

6.1.

6.2.

6.3.

6.4.

6.5.

6.6.

6.7.

6.8.

6.9.

6.10.

6.11.

( )

6.12.

6.13.

6.14.

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0,01

1 – ;

2 – ;

3 – ;

4 – ;

5 – 1 ;

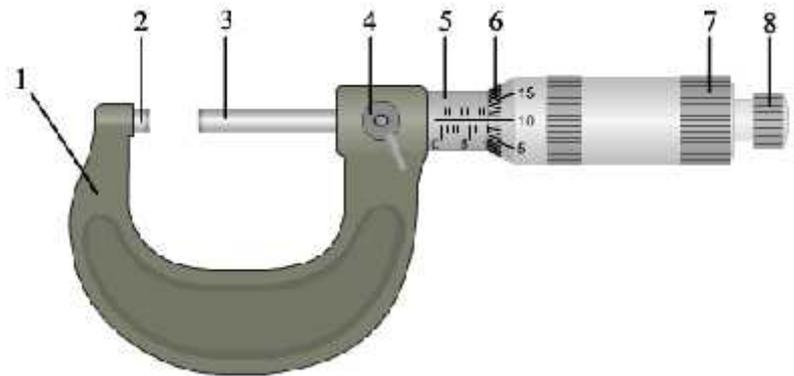
6 – , 1 ;

7 – 0,01 ;

8 – ;

7 – ;

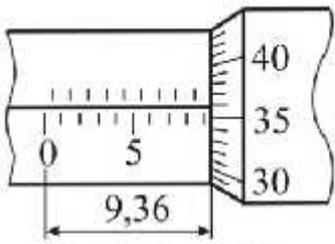
8 – .



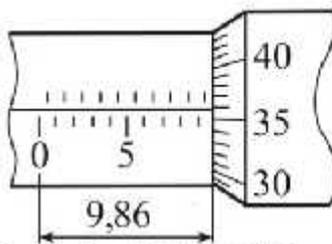
0,5

50

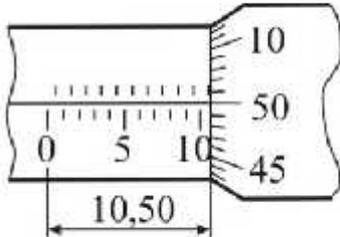
«0».



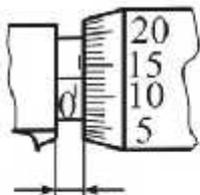
$$9 + 0,36 = 9,36 \text{ mm}$$



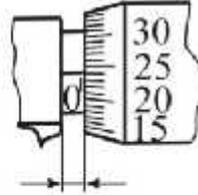
$$9 + 0,5 + 0,36 = 9,86 \text{ mm}$$



$$10 + 0,50 = 10,50 \text{ mm}$$



$$0,5 + 0,13 = 0,63 \text{ mm}$$



$$0,24 \text{ mm}$$

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- ( 2);  
 - « »  
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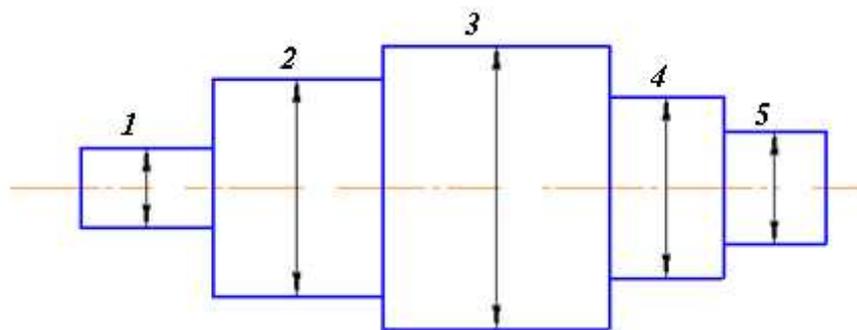
3



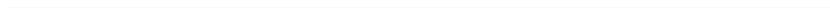
4



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4.

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- 2.
- 3.

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- ?

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1. \_\_\_\_\_ :

2. \_\_\_\_\_ :

3. \_\_\_\_\_ :

4. \_\_\_\_\_ :

5. \_\_\_\_\_ :

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