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15.02.07 «
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- 1.
- 2.
- 3.

$$HB = \frac{P}{S} = \frac{2P}{\pi D \times (D - \sqrt{D^2 - d^2})}, \frac{KIU}{MM^2}$$

S -
 D -
 d -



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1.

2.

3.

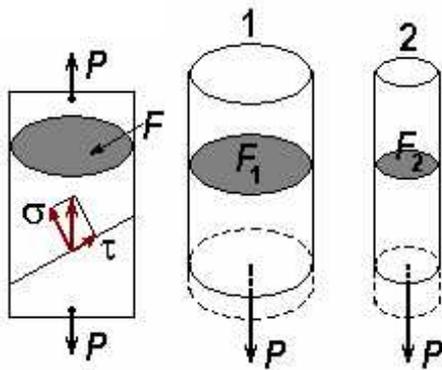
1.

2.

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4.

$$\sigma = \frac{P}{F}$$



1.

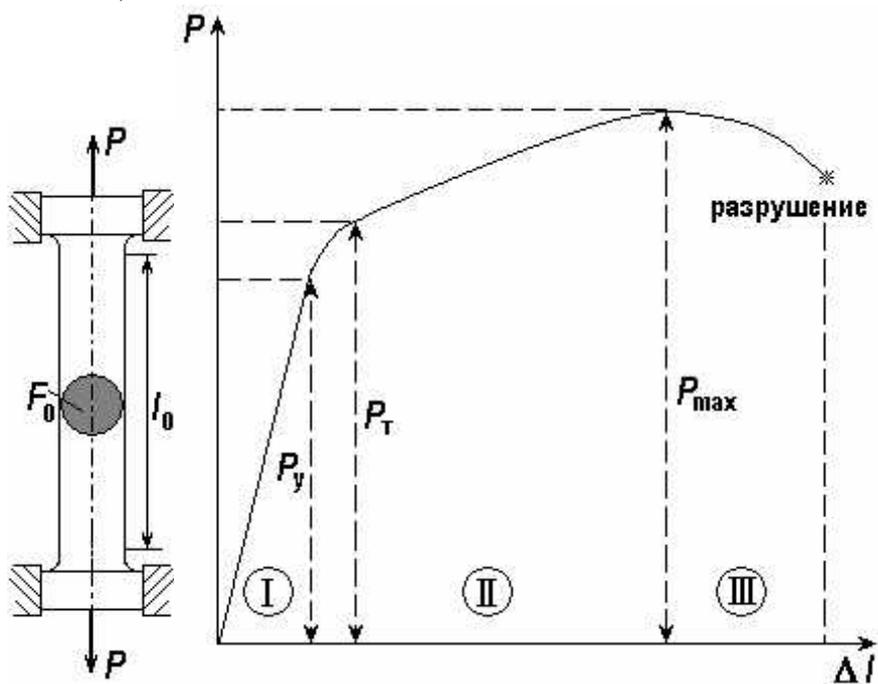
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() ;

$$\sigma_1 = \frac{P}{F_1} ; \sigma_2 = \frac{P}{F_2} ; \sigma_1 < \sigma_2 ;$$

$$F_1 > F_2$$

(.2,).



.2.

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III -

: I - , II -

1 %.

$$\sigma_y = \frac{P_y}{F_0}, [] -$$

$$\sigma_T = \frac{P_T}{F_0}, [] -$$

$$\sigma_B = \frac{P_{max}}{F_0}, [] -$$

σ_T

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$\sigma_{0,2}$,

0,2 %: $\sigma_T \approx \sigma_{0,2}$

$$\delta = \frac{l_k - l_d}{l_d} \cdot 100, [\%]$$

$$\psi = \frac{F_0 - F_k}{F_0} \cdot 100, [\%]$$

l_0 l , $^2 -$
 F_0 F ,

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(.2.2,).

: , o δ ψ ,

1. ?
2. ?
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5. ?
6. ?

1. ... ; ... : ... / ... - , 2017. - 151 .

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1.

2.

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1.

2.

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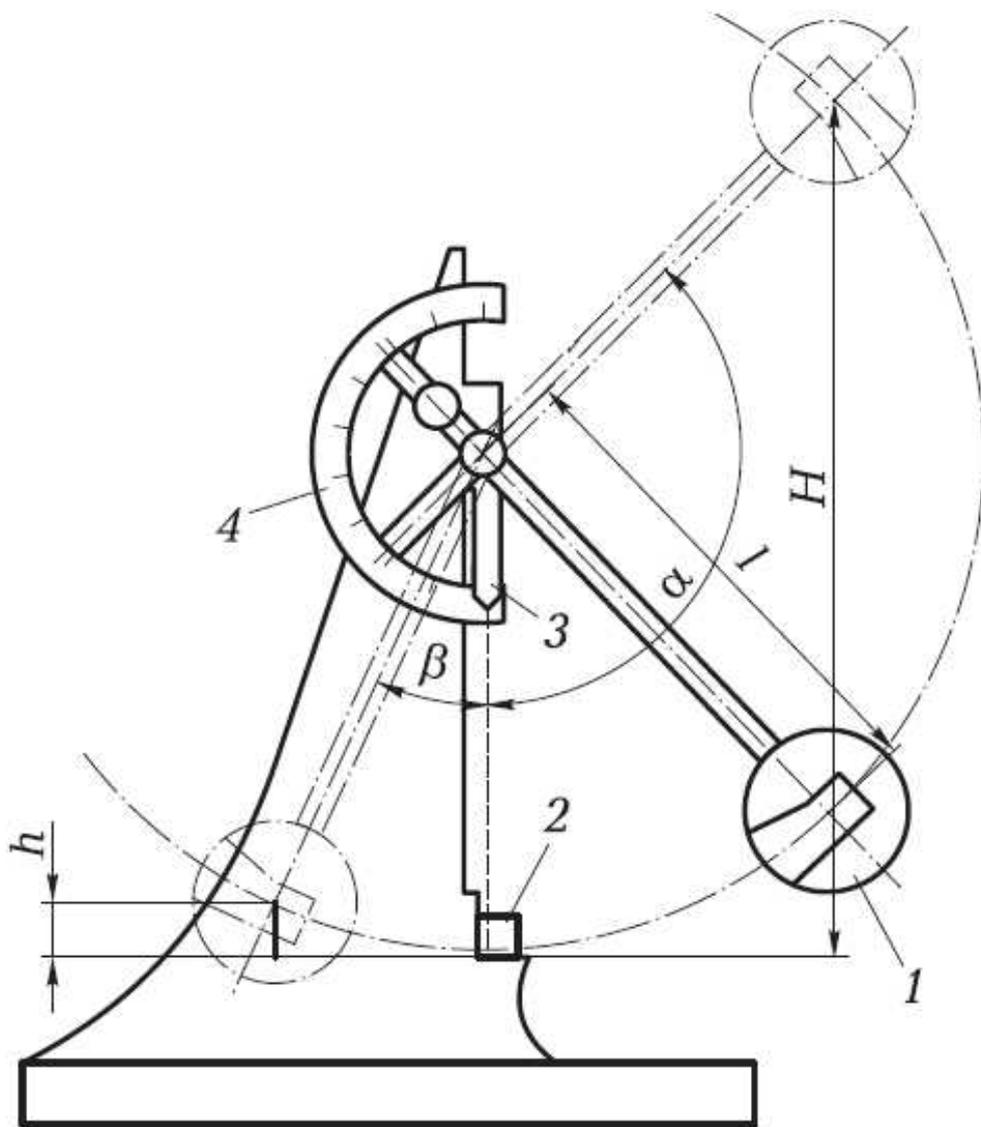
(. 1).

$$KC = \frac{A_D}{F}, [/ 2]$$

A -

F -

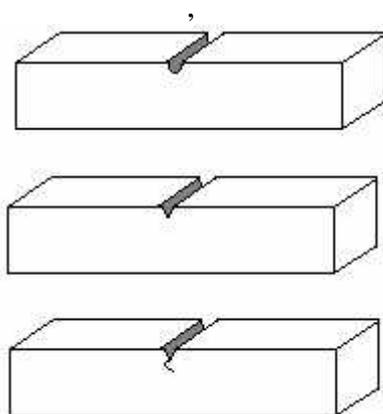




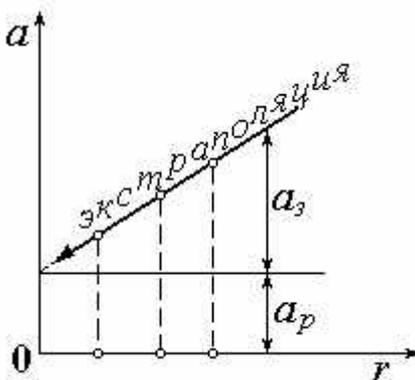
1 — ; 2 — ; 3 — ; 4 — ; l — ; H — ; h —

(. 2).

$K_{CU} > K_{CV} > K_{CT}$, . . .



. 2 .



. 3 .

a . r , a , a .
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1. ? ?
 2. .
 3. .
 4. ?
 5. ?
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1. . . : / . . , . . , . .
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2. . . [] / . . . -
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3. . . [] / . . , . . - :
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