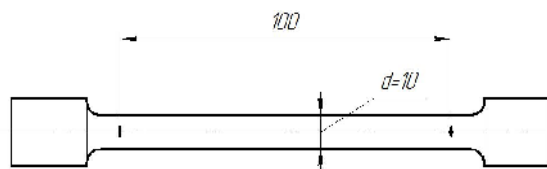


1. : ,

2. :



3. :

$d_0 = 10$	$d = 6,5$
$l_0 = 100$	$l = 116$
$F_0 = 78,5$ ²	$F = 33,17$ ²
$\delta = \frac{l - l_0}{l_0} \cdot 100\% = 16\%$	

4. :

$$P_T = 25,5 ; \quad \sigma_T = \frac{P_T}{F_0} = \frac{25,5 \cdot 10^3}{78,5} = 324,84 ;$$

$$P = 36 ; \quad \sigma = \frac{P}{F_0} = \frac{36 \cdot 10^3}{78,5} = 458,6 ;$$

$$P = 30 ; \quad \sigma = \frac{P}{F_0} = \frac{30 \cdot 10^3}{78,5} = 382,16 ;$$

$$\sigma = \frac{P}{F} = \frac{30 \cdot 10^3}{33,17} = 904,43 ; \quad \frac{\sigma}{\sigma_T} = \frac{d_0^2}{d^2} = \frac{10^2}{6,5^2} = 2,37 .$$

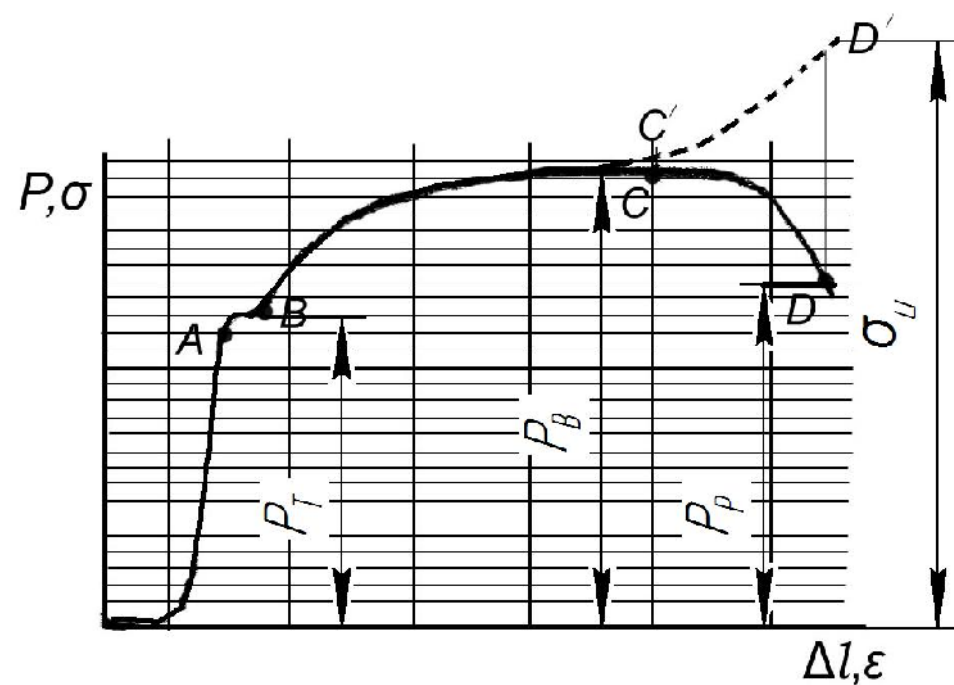
5. :

$P_T,$	$P,$	$P,$	$\sigma,$	$\sigma,$	$\sigma,$	$\sigma,$	σ / σ_T
25,5	36	30	324,84	458,6	382,16	904,43	2,37

6. (.13):

.6

7. :



8. :

- : ;

- : ;

- ; $\delta = 16\%$;

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$F_0.$

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