

**621.833**

• • “ ”, • • , •  
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**1.**

( 60%).

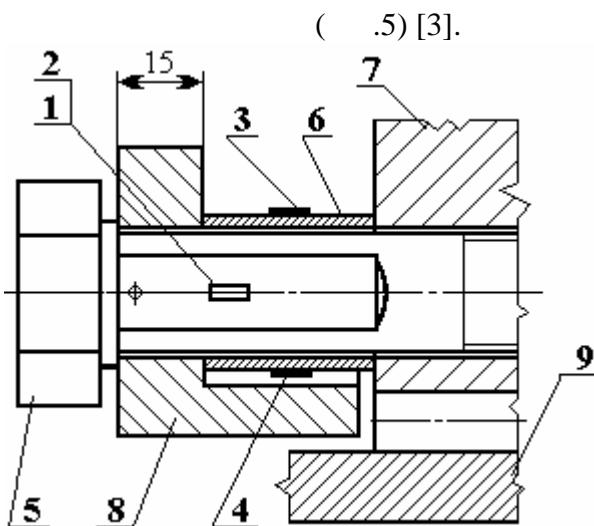
[1].

[2].

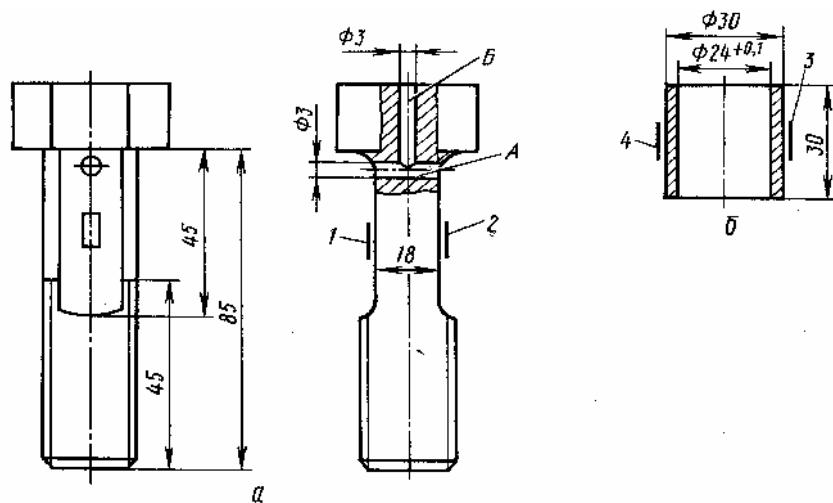
**2.**

600	—	,	— 600
16	,	,	2 = 300 ,

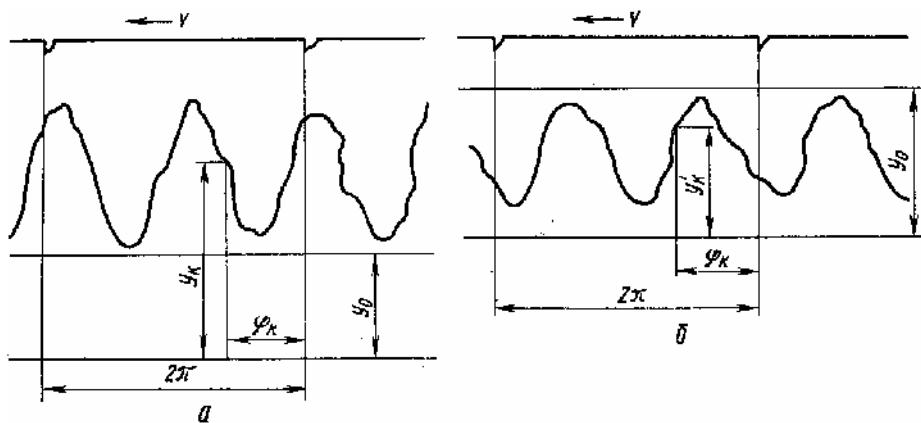
6 ( . 1, 2, 3, 4), - 5  
1,



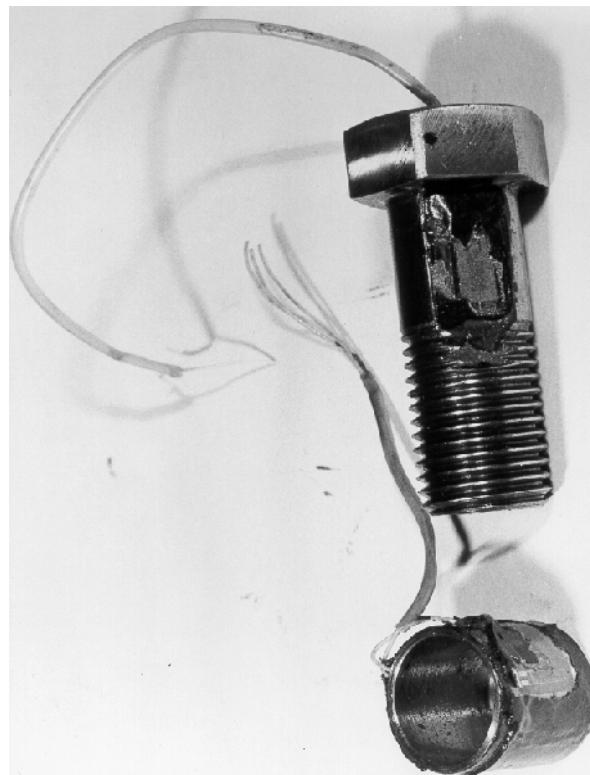
. 1.  
 : 1, 2, 3, 4 – ; 5 – ; 6 – ; 7 –  
 ; 8 – ; 9 –



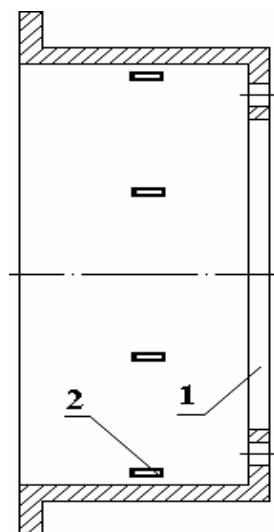
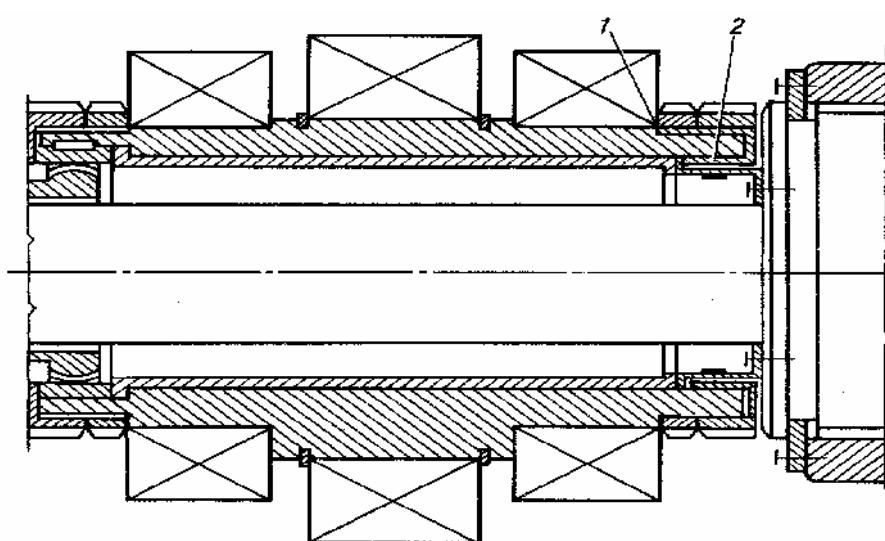
. 2. ( ) ( )



. 3. : - ; -



. 4.



. 5.

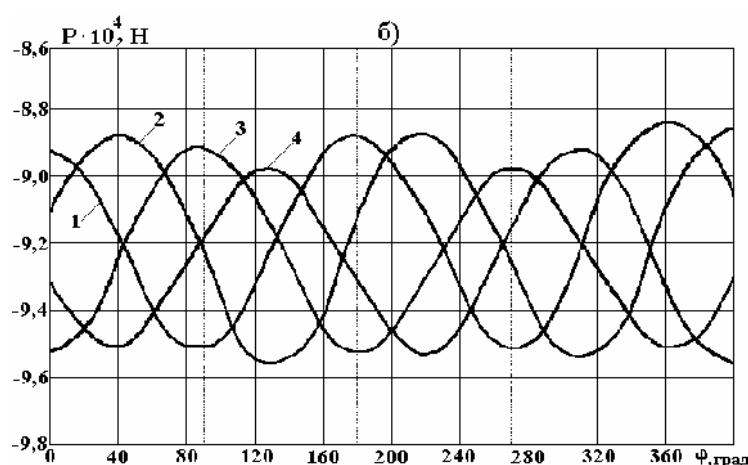
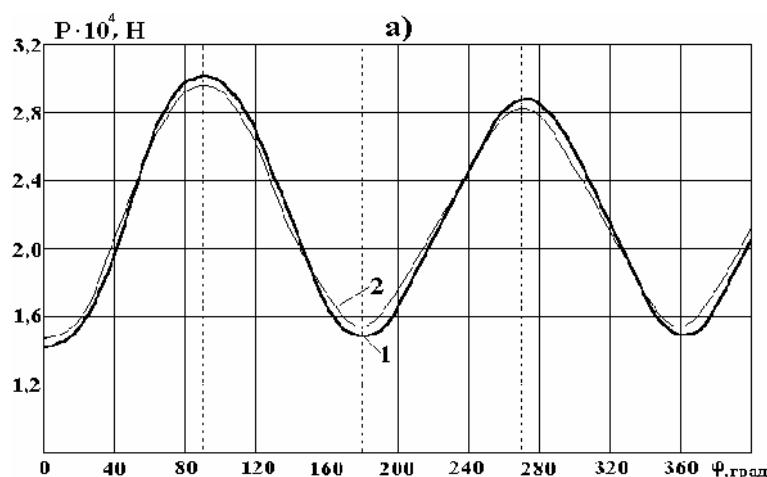
: 1 - ; 2 -

( .6),

,  $z = 500$ 

. 3, ,

3, .



. 6. , : ) 1 2 ; ) 1 - 4

. 7 2.

160  $\text{m}^3$ , 220 [4].  
 $600 \text{~--} 600$   
 $5500 \times 7500$   
 $5500 \times 7500$

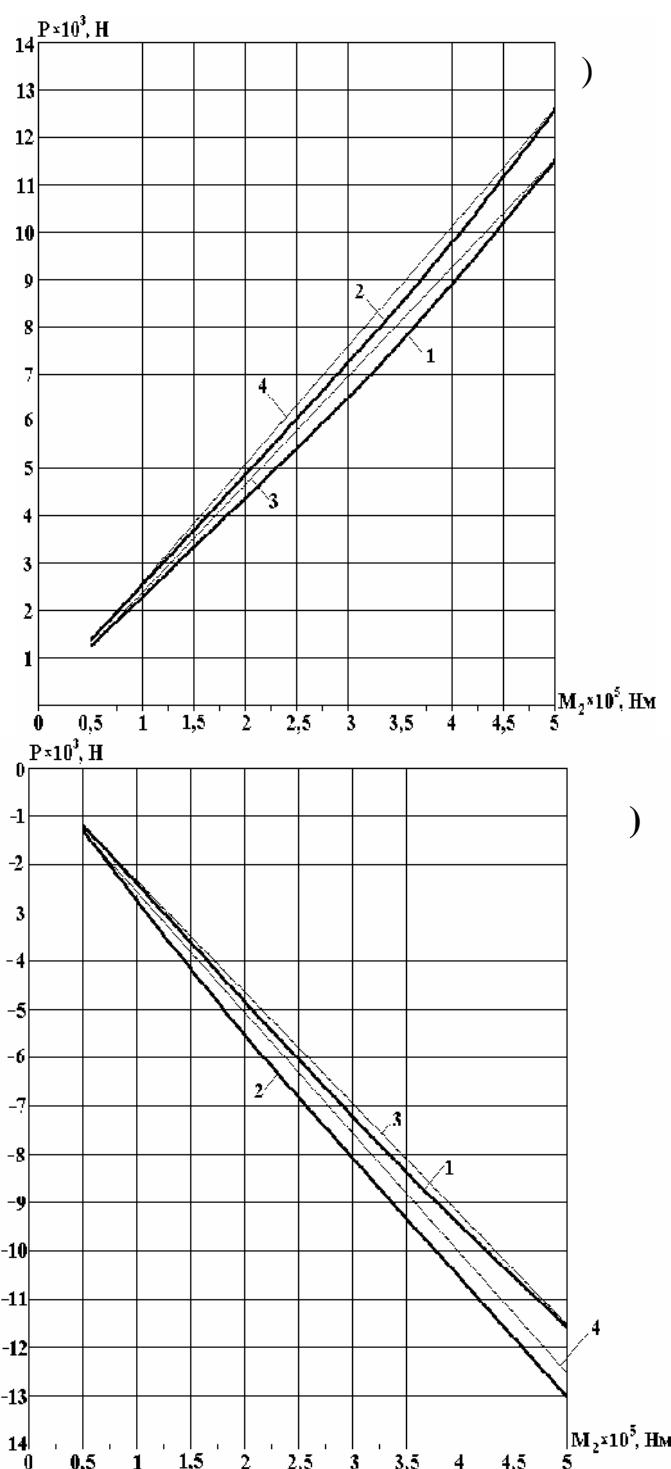
600 . ,  
 $P_2 = 5 \cdot 10^4 \div 5 \cdot 10^5 \text{~W}$ ,  
 $9 \div 10 \%$ .

8  $\div$  11%.

2, .  
 $28\%$  ,

$5500 \times 7500$  —600

6%,



. 7.  
, ) 1, 3 – 600 , 2, 4 –  
, ) 5500 × 7500; 1, 2 , 3,  
4 –

3.

,

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## V. S. CHIKOV, G. SUKOV, M. SUKOV EXPERIMENTAL RESEARCH OF AXIAL FORCES OF LARGE WAVE TRANSMISSION

**FORCES OF LARGE WAVE TRANSMISSION**  
*Results of experimental researches of axial forces of a large wave gear are presented. Measurement of axial forces was executed by a tensometry method on a flexible gear and the generator of waves simultaneously. By comparison of the given experimental researches and theoretical calculations, satisfactory convergence of results is received.*

**Keywords:** axial force, a flexible gear, the generator of waves, resistive-strain sensor.