

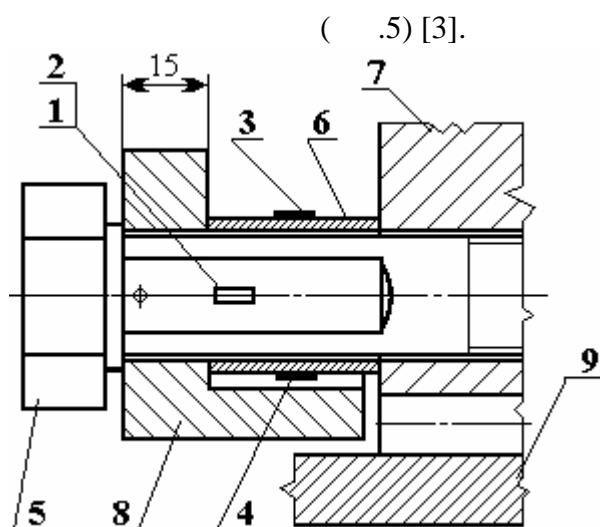
621.833

• • “ ” • • , • •  
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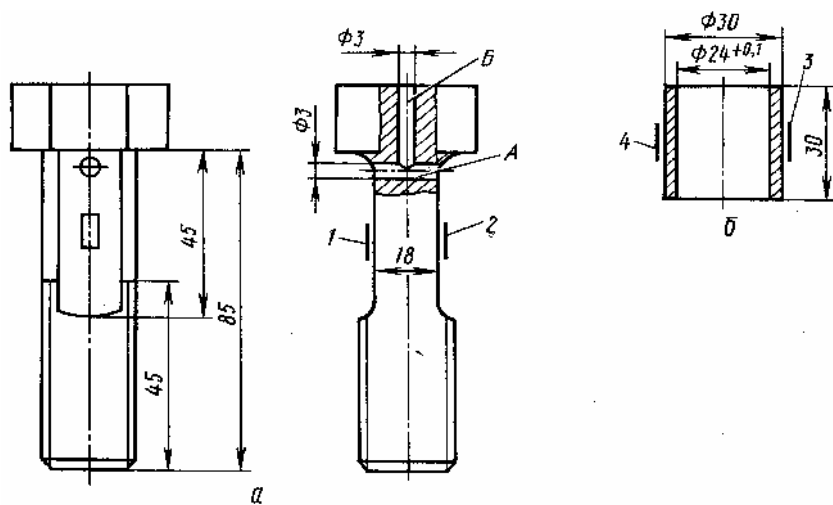
•  
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 1.  
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 ,  
 20 ... 25% ,  
 ( 60%).

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 ,  
 [1].  
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 : – ,  
 ,  
 , [2].  
 ,

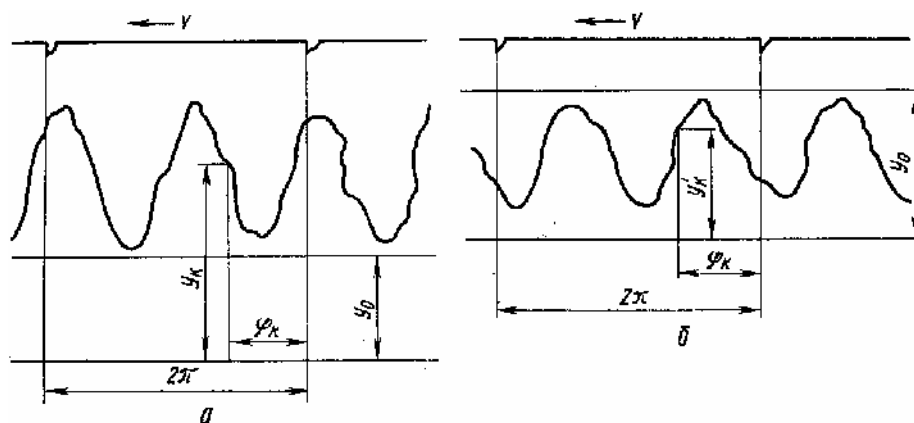
2.  
 –  
 ,  
 600  
 16  
 ,  
 $2 = \frac{600}{300}$  ,  
 ,  
 ,  
 ,  
 5  
 6 ( . 1, 2, 3, 4), – 1,



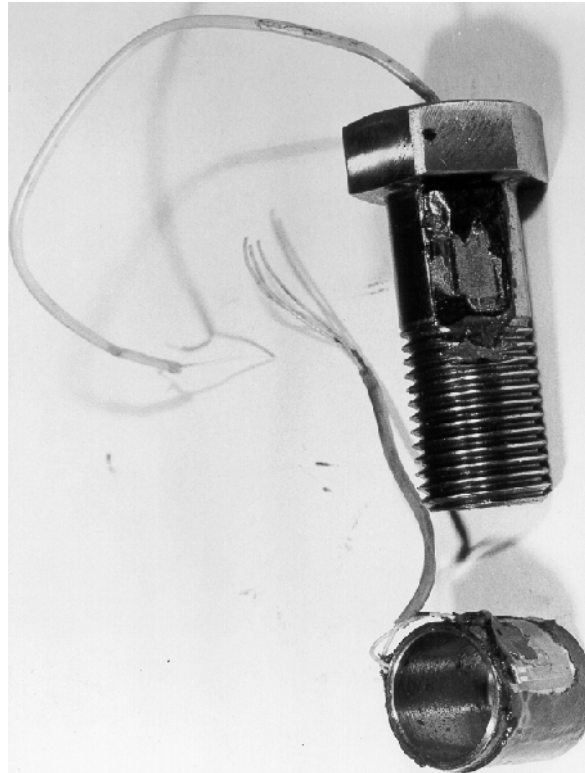
. 1.  
: 1, 2, 3, 4 – ; 5 – ; 6 – ; 7 –  
; 8 – ; 9 –



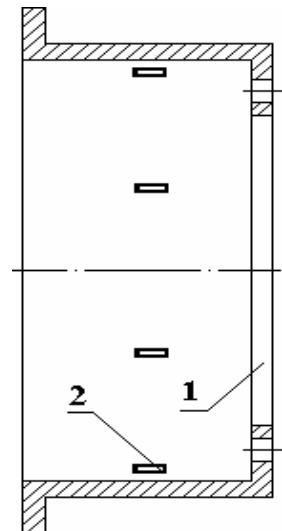
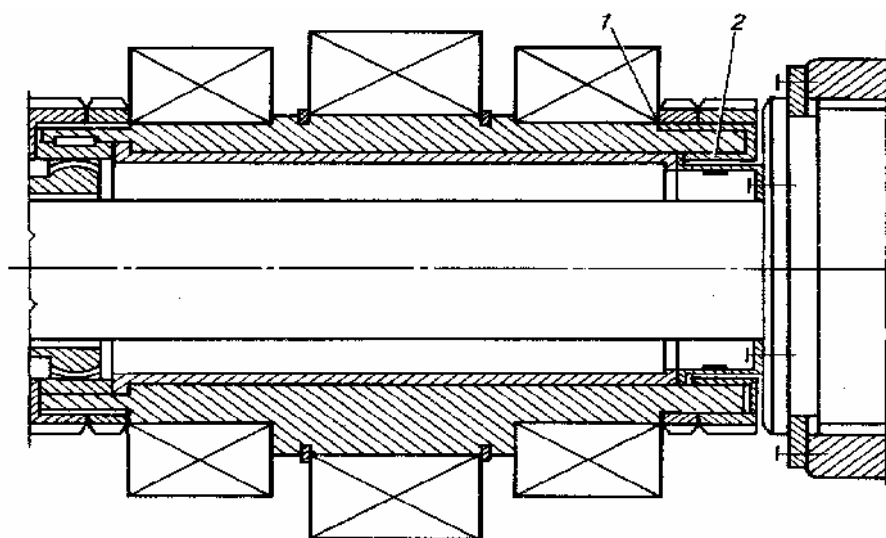
. 2. ( ) ( )



. 3. : - ; -



. 4.

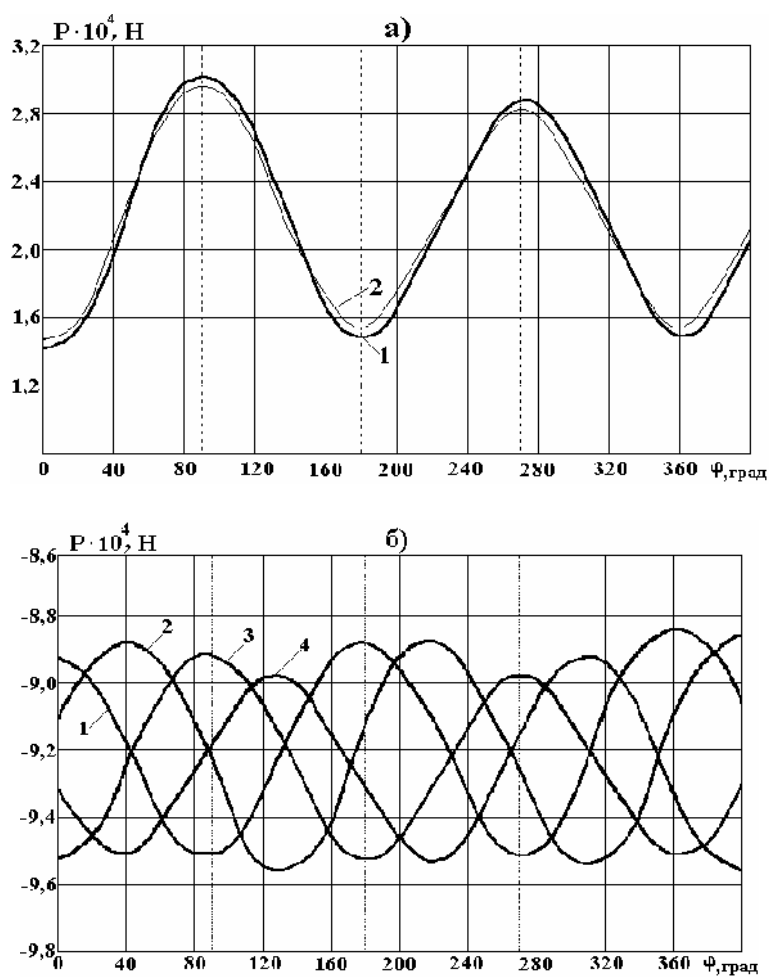


. 5.  
: 1 – ; 2 –

( .6),

,  
,  
 $z = 500$  .  
. 3, ,

3, .



. 6.

$2 = 5 \cdot 10^5$  , : ) 1 2 , ; )  
1 - 4

. 7

2.

- 600

600

 $5500 \times 7500$ 160 <sup>3</sup>,

220 [4].

 $5500 \times 7500$ 

600 .

 $2 = 5 \cdot 10^4 \div 5 \cdot 10^5$  ,

9 ÷ 10 %.

8 ÷ 11%.

28%

,

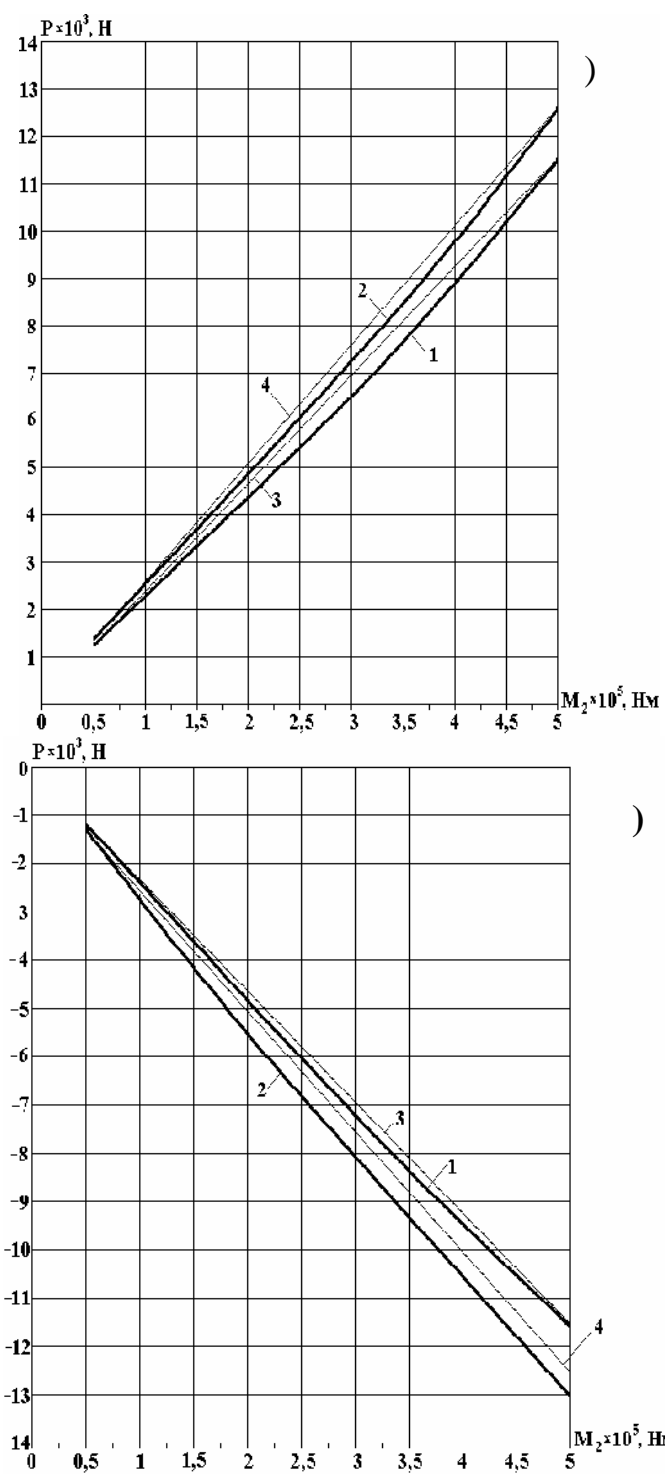
2,

.

 $5500 \times 7500$ 

-600

6%,



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

1. // 35. – . – 1989. – 50 .
2. , 1991. – 166 .
3. , 1981. – 583 .
4. / , 1979. – 343 .
- 8.

01.06.2012 .

**V. Strelnikov, G. Sukov, M. Sukov**  
**EXPERIMENTAL RESEARCH OF AXIAL**  
**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.