

621.883

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, 35 % 80 % [1].

[2].

, 50–60 %  
,

[3] ( . . 1)

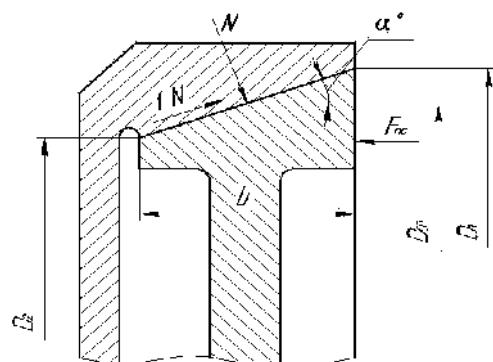
$$= D^2_{cp} b[p] \frac{f_0}{2}, \quad (1)$$

$$\begin{aligned}
 D &= \frac{2b}{D^2 f_0[p]}; \\
 b &= \sqrt{\frac{2}{2 - \psi f_0[p]}}, \\
 [ ] &= 2\sqrt{\frac{2}{2 - \psi f_0[p]}}, \\
 f_0 &= \frac{(D_1 + D_2)}{2}; \\
 \Psi &= \frac{2b}{D} = 0,3 \dots 0,5;
 \end{aligned} \tag{2}$$

$$D = 2\sqrt{\frac{2}{2 - \psi f_0[p]}}, \tag{3}$$

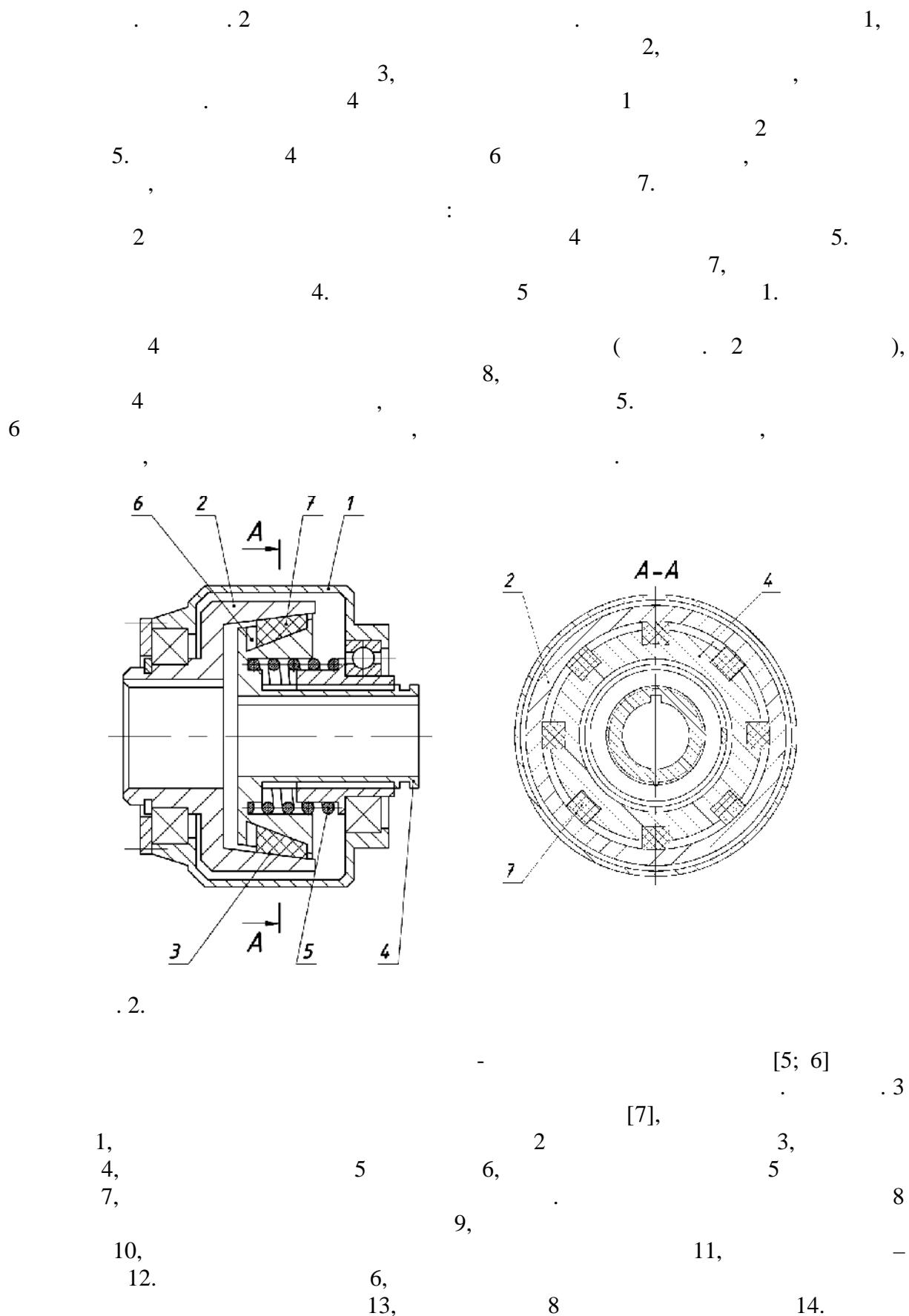
$$\begin{aligned}
 \Psi &= \frac{2b}{D} = 0,3 \dots 0,5; \\
 D &= \frac{(D_1 + D_2)}{2}; \\
 \end{aligned} \tag{4}$$

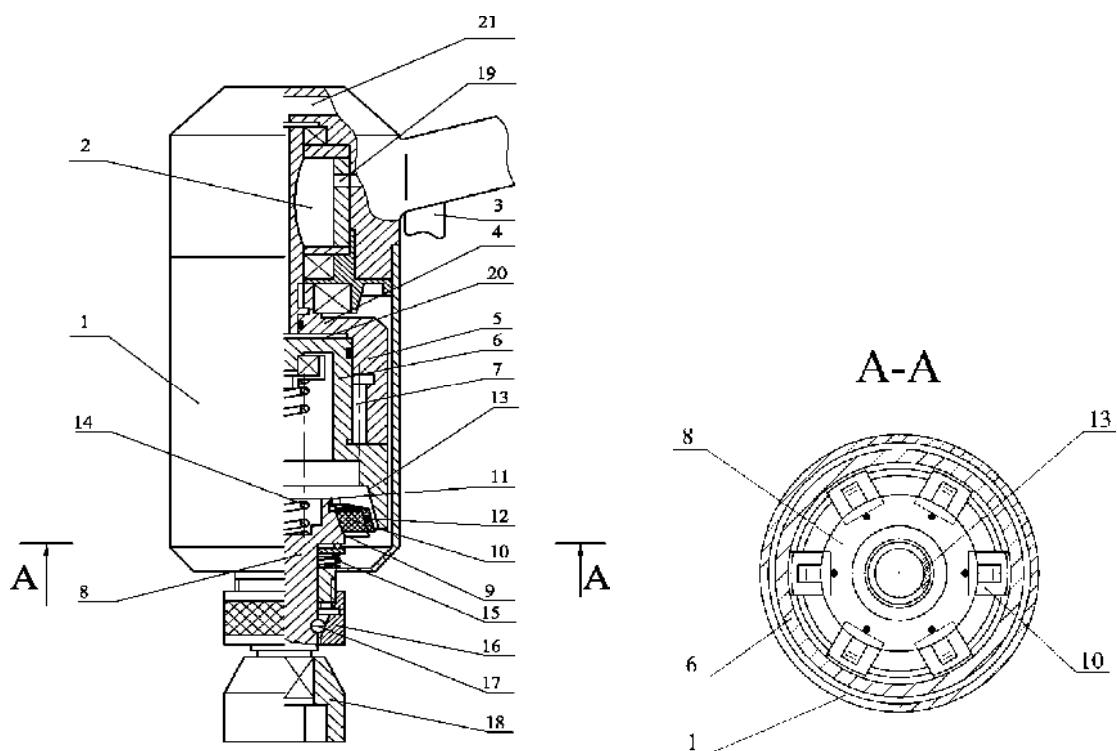
$$\begin{aligned}
 F &= 2 \frac{\sin \alpha}{D f_0}, \\
 \alpha &\geq \varphi, (\varphi = 0).
 \end{aligned} \tag{5}$$



. 1.

,  
, [4],





. 3.

3, . . . , 14, 10, . . . , 16, 16, 2, 20, 20, 6, . . . , 13, 9, 11, 12, 8, . . . , 18, 16, 17, 18.

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S.S. Krasovsky, S.A. Babenko

# S. KRASOVSKY, S.M. DABER IMPULSE-FRICTION SCREWDRIVERS

**IMPULSE-FRICTION SCREWDRIVERS**  
The question of creation of a new construction of a screwdriver which can be used for the high productive calibrated tightening of the threaded connections has been considered in the article. The analysys of the energy-power parametres of the impulse-friction screwdriver, which generates a torque-control moment, transmitted on the tightened threaded junction with the help of friction has been made.

**Keywords:** screwdriver, threaded connection, moment, muff, impulse.