



Kinematic parameters of rolling and experimental results allow us to determine the process parameters of rolling for getting optimal roughness and physical and mechanical properties of the surface (Table 1).

Table 1. Technological parameters of rolling of cylinder liners

Parameters	Value
Roughness before treatment, microns	0,63
Rotational speed of rolling, rpm	500
Radial feed, mm	0,12
Feed of rolling on turnover, mm/r	0,1
The magnitude of interference, mm	0,1
Speed of rolling, m/mm	144

#### **4. Conclusion**

In the static indentation of the ball in the deformable surface remains the imprint that in the process of rolling passes in the trace of the deformed portion of the ball. The collection of such traces and forms the final roughness of the machined surface.

#### **5. Literature**

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