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# Experimental study of friction planetary gears

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*This article presents the results of experimental study of friction gear to determine the gear elastic sliding and performance efficiency under contact pressures exceeding the permissible ones. The tests were carried out on a test bench specially designed and manufactured at the Department of Machine parts of Bauman Moscow State Technical University, with a lubricant and without it. The findings of the research show the optimal modes of friction planetary gear.*

**Keywords:** *self-aligning gear, friction gear.*

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