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## ON THE LOAD CAPACITY OF SCREW ROLLING MECHANISMS

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### Abstract

*The article is devoted to the problem of the ratio of mass to the unit of the load created or transmitted for mechanical motion transducers. We give an overview of screw rolling mechanisms, which excel other rotary-to-translational converters in load capacity. Findings of the research show that the most promising are roll-screw mechanisms, and also that the planetary roller-screw mechanism with a single nut and the planetary roller screw mechanism with a long nut have the greatest load capacity, reliability and durability.*

### Keywords

*Screw rolling mechanisms, load capacity*

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