

**INCREASING CARRYING CAPACITY OF COLUMNS IN STEEL HALL BEYOND INCREASING INFLEXIBILITY OF EXTENT****ZIELIŃSKI Tomasz***Kielce University of Technology, Kielce, Poland, EU***Abstract**

In the paper is shown the device how carrying capacity of steel columns can be increasing by enhancement inflexibility of extent. Inclusion extent to cooperation with columns increases load resistance of steel columns of the halls. The conclusion is that the carrying capacity of columns in steel halls can be increasing and how reliability of columns grows by simple construction measure. The theoretical speculation was affirmed by an example.

**Keywords:** Steel halls, carrying capacity, reliability

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