

## عنوان مقاله:

A COMPARATIVE STUDY OF MONOTONIC TESTS FOR VARIOUS STEEL WHEELS OF RAIL VEHICLE

## محل انتشار:

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## خلاصه مقاله:

The authors of this paper report output results of a test programme conducted on two sets of tensile test specimens made from grade B3N and R7T pearlitic steel wheels. The tested steel wheels are the main materials currently used in Iranian Railways for rail vehicles. The mechanical properties were measured in the wheel circumferential direction using round bar tensile specimens at low strain rate. The experimental results almost fulfilled the target values set by test regulations of International Union of Railways (UIC). The obtained data were compared then with similar results from toughness and tensile testing of B2N and R7 pearlitic steel specimens, conducted recently by the authors of this paper.

## کلمات کلیدی:

B3N Tyred Wheel, R7T Monobloc Wheel, Monotonic Tests

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