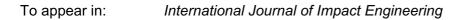
Accepted Manuscript

The Mechanisms for Strengthening under Dynamic Loading for Low Carbon and Microalloyed Steel

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PII:S0734-743X(17)30539-0DOI:10.1016/j.ijimpeng.2017.12.015Reference:IE 3045



Received date:22 June 2017Revised date:21 November 2017Accepted date:14 December 2017

Please cite this article as: Remigiusz Bloniarz, Janusz Majta, Carl Trujillo, Ellen Cerreta, Krzysztof Muszka, The Mechanisms for Strengthening under Dynamic Loading for Low Carbon and Microalloyed Steel, *International Journal of Impact Engineering* (2017), doi: 10.1016/j.ijimpeng.2017.12.015

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Highlights

- Examination of the mechanical response of 4 steel grades with Taylor impact experiments.
- Identification of effects of microstructure on dynamic behavior of studied steels.
- Inhomogeneity of mechanical state of Taylor specimen studied through hardness maps.
- Discussion of mechanisms of different strengthening modes under dynamic loading.
- Source of flow curves of the studied materials for a wide range of strain rates.

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