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**Explosive loading liner-type devices for generation of loading pulses having short durations** ANDREY MALYSHEV, VIKTOR SKOKOV, DMITRIY KRYUCHKOV, DMITRIY ZOTOV, RFNC-VNIIEF — To investigate the phenomena of short-time softening in metals under effect of planar shock waves having amplitudes of 35 and 16 GPa when loading duration is less than 1 ms, two series of explosive loading devices are developed. In these devices, impactors are accelerated in the regime of sliding detonation. Loading devices with thicknesses of copper impactors of 1.0, 0.5, and 0.2 mm are presented in each series. The characteristic size of the investigated samples can be up to 90 mm in diameter. The paper includes the basic characteristics of the devices and results of their verifications.

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