

. . . , . . .

, 15, 49005, ; e-mail: dep7@ukr.net

2016 . EN 15227:2015 (EN 15227:2008), ( )

EN 15227, EN 15227

EN 15227

3, 110 / 15 ( )

( )

3,

EN 15227.

( EN 15227 ),

110 / “ “ ” 50 . 20,

( )

3,

:

,

;

;

;

;

1. EN 15227:2015 (EN 15227:2008+A1:2010, IDT). URL: [http://document.ua/zaliznichnii-transport\\_-vimogi-do-udarostiikosti-reikovih-tr-std32262.html](http://document.ua/zaliznichnii-transport_-vimogi-do-udarostiikosti-reikovih-tr-std32262.html) (Last accessed: 28.01.2019).
2. EN 15227. Railway applications – Crashworthiness requirements for railway vehicle bodies. Brussels, 2008. 37 p.
3. . . . . 2015. 1. . 84–96.
4. . . . . 2018. 2. . 90–103.
5. . . . . O. . . . . 2018. 3. . 98–111.
6. *Sobolevska M., Telychko I.* assive safety of high-speed passenger trains at accident collisions on 1520 mm gauge railways. Transport problems. 2017. V. 12. Issue 1. 51–62.

7. . . . . 1520 . . . . . 2017. 1. . 72–82.
8. *Krieg R. D., Key S. W.* Implementation of a time independent plasticity theory into structural computer programs. Vol. 20 of *Constitutive equations in viscoplasticity: computational and engineering aspects*. New York: ASME, 1976. . 125–137.
9. . . . . : , 1982. 224 .
10. *Cowper G. R., Symonds P. S.* *Strain Hardening and Strain Rate Effects in the Impact Loading of Cantilever Beams*. Providence: Brown University, 1958. P. 46.
11. . . . . : , 1976. 464 .

08.02.2019,  
01.03.2019