

N 15227

AAR S-580.

EST Eisenbahn-Systemtechnik GmbH

Alstom, Dellner, Voith Turbo Scharfenberg, Siemens.

Bombardier Transportation,

SCRRRA Metrolink

Desiro

RUS (“ ”) 1,

1520

1520

1. EN 12663. Railway applications – Structural requirements of railway vehicle bodies. – Brussel : European committee for standardization, 2000. – 18 p.
2. EN 15227. Railway applications – Crashworthiness requirements for railway vehicle bodies. – Brussel : European committee for standardization, 2008. – 37 p.
3. Technical specification for interoperability relating to the rolling stock subsystem of the trans-European high-speed rail system () []. – : <http://eurlex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2002:245:0402:0506:EN:PDF>
4. Locomotive Crashworthiness Requirements : AAR S-580 Standard. – Association of American Railroads. – 2008. – 44 .
5. The EST crash buffer (EST) []. – : <http://www.crashbuffer.com/index.htm>.
6. Tyrell D. Overview of a Crash Energy Management Specification for Passenger Rail Equipment / D. Tyrell, E. Martinez, K. Jacobsen, D. Parent, K. Severson, M. Priante, A. B. Perlman // American Society of Mechanical Engineers. – 2006. – RC2006-94044. – . 38 – 48.
7. // . – 2008. – 9. – . 48 – 55.
8. Bruggemann A. 422 / A. Bruggemann // . – 2010. – 5. – . 37 – 49.
9. Bombardier Commuter and Regional Trains (Bombardier) []. – : <http://www.bombardier.com/en/transportation/products-services/rail-vehicles/commuter-and-regional-trains.html>.
10. : V “ ” “ , 28 2007 . []. – : <http://www.businessdialog.ru/files/rtu-2007/sannikov.pdf>.
11. Robinson M. Transport of de-light: the design and prototyping of a lightweight crashworthy rail vehicle driver's cab / M. Robinson, J. Carruthers, O'Neill C., Ingleton S., Grasso M. // Procedia - Social and Behavioral Sciences 48. – 2012 – P. 672 – 681.
12. Talent 2 Bombardier // – 2009. – 12. – . 39 – 43.
13. Le Francilien Plate-forme de produits Spacium (Francilien Spacium) []. – : <https://transfer.bombardier.com/download/get/CBFXRL9F83lzyY4izbCo1M9IMKYy9VdFq1eRCWta2es7amFPo>.
14. Dellner – Train connection systems couplers (Dellner –) []. – : http://www.dellner.se/Train_connection_systems_couplers.html.
15. Jarboe G. General Vehicle Design Technologies / G. Jarboe // Presentations from the APTA Rail Conference June 6-9, 2010 in Vancouver, British Columbia. – Vancouver : APTA. – 2010. – 21 p.
16. []. – : http://resource.voith.com/vt/publications/downloads/1994_r_g1712_rus_2013-03.pdf.
17. “Desiro rus” – // . – 2012. – 4. – . 35 – 38.

18. "Desiro rus" – /
 // - . - 2012. - 10. - . 20 - 24.
19. Velaro / //
 . - 2009. - 1. - . 36 - 50.
20. Velaro RUS / //
 . // . - 2009. - 1. - . 37 - 49.
21. / . . // - .
 - 2012. - 10. - . 28 - 33.
22. / . . // - .
 - 2012. - 11. - . 54 - 58.
23. / . . // - .
 - 2012. - 12. - . 16 - 19.
24. IC engineering digital engineering solution (IC) [-
]. - : <http://www.icej.co.jp/en/digital/>.