

## Interoperability of the trans-European Rail System

### EC Declaration of Conformity

It is hereby declared that the rail fastening system

#### **PANDROL FASTCLIP FE1400 and FE1500 Series for Concrete Sleepers**

is an interoperability constituent that is in compliance with Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union.

The procedure used to declare conformity has been in accordance with Module CA of the Commission Decision (2010/713/EU) of 9 November 2010 on modules for the procedures for assessment of conformity, suitability for use and EC verification to be used in the technical specifications for interoperability adopted under Directive (EU) 2016/797 of the European Parliament and of the Council.

It has been examined and tested in accordance with the requirements of article 5.3.2 of the Commission Regulation EU 1299/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the "infrastructure" subsystem of the trans-European conventional rail system.

The fastening system properties fulfil the conditions listed in article 5.3.2 of EU 1299/2014. The variants of this rail fastening system that conform to the TSI together with supportive information are described in Pandrol Ltd. file ref. TSI/FE. This Declaration of Conformity applies to the fastening system described in that file, as supplied by Pandrol Ltd. group companies, and manufactured by Pandrol Ltd. group companies or their approved sub-contractors

The FASTCLIP FE1400 and FE1500 series can be used with EN13674-1 and EN13674-4 rail profiles, with rail seat inclinations up to 1 in 20, with rubber and plastic rail pads and monobloc (pre or post tensioned) and reinforced bi-block concrete sleepers.

The maximum design axle load for FASTCLIP FE1400 series = 260kN and FE1500 series = 350kN

The relevant European testing standards applicable to FASTCLIP FE1400 and FE1500 series are EN13481-2 'Railway applications – Track – Performance requirements for fastening systems. Part 2: Fastening systems for concrete sleepers' and EN13146 parts 1 to 10 'Railway applications – Track – Test methods for fastening systems'.

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