



The manufacturer **PFEIFER Seil- und Hebetchnik GmbH**
Dr.-Karl-Lenz-Strasse 66
D-87700 Memmingen

hereby declares that the following construction product with the

product designation **PFEIFER VarioSonic SLE staircase end bearing**

complies with the provisions of the following EC Directive(s), if installed in accordance with the installation instructions as set forth in the product documentation:

- *Decree (EU) No. 305/2011 of the European Parliament and Council dated 09 March 2011 regarding the determination of harmonised conditions for the marketing of construction products and the repeal of the Directive 89/106/EEC*
EC Construction Products Regulation

and that the following standards were applied during dimensioning and construction:

<i>BS EN 1990:2010-12</i>	<i>Eurocode 0: Basis of structural design</i>
<i>BS EN 1990/NA:2010-12</i> <i>BS EN 1990/NA/A1:2012-08</i>	<i>Eurocode 0: Basis of structural design</i> <i>National annex - nationally determined parameters incl. Amendment A1</i>
<i>BS EN 1992-1:2011-01</i>	<i>Eurocode 2: Design of concrete structures</i> <i>Part 1-1: Common rules for building and civil engineering structures</i>
<i>BS EN 1992-1/NA:2011-01</i>	<i>Eurocode 2: Design of concrete structures</i> <i>Part 1-1: Common rules for building and civil engineering structures</i> <i>National annex – nationally determined parameters</i>
<i>BS EN 1993-1-1:2010-12</i>	<i>Eurocode 3: Design of steel structures</i> <i>Part 1-1: Common rules for building and civil engineering structures</i>
<i>BS EN 1993-1-1/NA:2010-12</i>	<i>Eurocode 3: Design of steel structures</i> <i>Part 1-1: Common rules for building and civil engineering structures</i> <i>National annex – nationally determined parameters</i>
<i>BS EN 1993-1-8:2010-12</i>	<i>Eurocode 3: Design of steel structures</i> <i>Part 1-8: Design of joints</i>
<i>BS EN 1993-1-8/NA:2010-12</i>	<i>Eurocode 3: Design of steel structures</i> <i>Part 1-8: Design of joints</i> <i>National annex – nationally determined parameters</i>
<i>BS EN 1090-1:2012-02</i>	<i>Execution of steel structures and aluminium structures</i> <i>Part 1: Requirements for conformity assessment of structural components</i>
<i>BS EN 1090-1:2011-10</i>	<i>Execution of steel structures and aluminium structures</i> <i>Part 2: Technical requirements for the execution of steel structures</i>
<i>DIN CEN/TS 1992-4-1:2009-08</i>	<i>Design of fastenings for use in concrete</i> <i>Part 4-1: General</i>
<i>DIN 4102-1:1998-05</i>	<i>Fire behaviour of building materials and components</i> <i>Part 1: Building materials; concepts, requirements and tests</i>
<i>DIN 4102-4:1994-03</i>	<i>Fire behaviour of building materials and components</i> <i>Composition and use of classified building materials, components and special components</i>

Performance feature	Service / categorisation / classification
Geometrical tolerances	<i>BS EN 1090-2 (general) DIN 13 (metric ISO thread) DIN ISO 2768 (general)</i>
Welding suitability	<i>No performance specification (no performance determined)</i>
Fracture toughness / resistance to brittle fracture	<i>No performance specification (no performance determined)</i>
Carrying capacity	<i>Design resistance of the vertical support force: Maximum design resistance: $V_{Rd,max} = 33.3$ kN</i>
Implementation class	<i>EXC 2 pursuant to EN 1090-2</i>
Fatigue strength	<i>No performance specification (no performance determined)</i>
Deformations in the serviceability limit state	<i>No performance specification (no performance determined)</i>
Fire resistance (Classification pursuant to DIN 4102-4:1994-03)	<i>F 90 (The specifications given in the instructions for the installation and use of the PFEIFER VarioSonic staircase bearing must be observed!)</i>
Fire resistance (Classification pursuant to DIN 4102-1:1998-05)	<i>Adjustable foot: Steel component, class A1 Installation flange: Steel component, class A1 Neoprene bearing: class B2</i>
Release of cadmium and its compounds	<i>No performance specification (no performance determined)</i>
Release of radioactive radiation	<i>No performance specification (no performance determined)</i>
Durability	<i>No performance specification (no performance determined)</i>
Manufacture	<i>Acc. to drawing no. Adjustable foot: 0029285 Installation flange: 0016286</i>
System of conformity certification	<i>2+</i>

Product description / intended use:

PFEIFER VarioSonic SLE staircase bearings are used for the vertical support of straight or angled stairs on floors or landings. The supports are usually located in the corners or along the edges of precast concrete elements. A major advantage is the infinite height adjustment as well as the sound decoupling due to the unreinforced elastomer bearing adhered under the support plate. By means of the solid steel support plate the support forces are applied into the support point via an adhered elastomer bearing.

VarioSonic SLE staircase bearings are suitable for the absorption and transmission of predominantly static loads.

Certificate acc. to BS EN 1090 regarding the conformity of the factory production control:

Name and address of the notified body: **GSI – Gesellschaft für Schweißtechnik International mbH
Munich branch
Schachenmeierstraße 37
D-80636 München**

Code number of the notified body: 1182

Number of the certificate: 1182-CPD-1090-1.00108.GSIMü.2013.001

Period of validity of the certificate: 13.03.2014

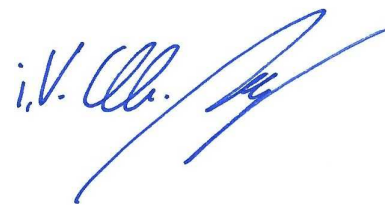
Authorised person responsible for the preparation and maintenance of the technical documentation:

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*PFEIFER Seil- und Hebeteknik GmbH
Memmingen, 30/09/2013*



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