



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

hereby declares that the following construction product with the

product designation **PFEIFER-Stützenfuß PCC**
in the sizes **PCC 16, PCC 20, PCC 24, PCC 30-1, PCC 30-2, PCC 36**

complies with the provisions of the following Community Directive(s), if it has been installed in accordance with the installation instructions included in the product documentation.

- *Regulation (EU) No. 305/2011 of the European Parliament and the Council of 09 March 2011, laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EEG*
EU Construction Product Regulation

and that the following standards for the design and the construction were applied:

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| <i>DIN EN 1990:2010-12</i> | <i>Eurocode 0: Basis of structural design</i> |
| <i>DIN EN 1990/NA:2010-12</i> <i>DIN EN 1990/NA/A1:2012-08</i> | <i>Eurocode 0: Basis of structural design</i> <i>National Annex - National festgelegte Parameter incl. Änderung A1</i> |
| <i>DIN EN 1992-1:2011-01</i> | <i>Eurocode 2: Design of concrete structures</i> <i>Part 1-1: General rules and rules for buildings</i> |
| <i>DIN EN 1992-1/NA:2011-01</i> | <i>Eurocode 2: Design of concrete structures</i> <i>Part 1-1: General rules and rules for buildings</i> <i>National Annex - National festgelegte Parameter</i> |
| <i>DIN EN 1993-1-1:2010-12</i> | <i>Eurocode 3: Design of steel structures</i> <i>Part 1-1: General rules and rules for buildings</i> |
| <i>DIN EN 1993-1-1/NA:2010-12</i> | <i>Eurocode 3: Design of steel structures</i> <i>Part 1-1: General rules and rules for buildings</i> <i>National Annex - National festgelegte Parameter</i> |
| <i>DIN EN 1993-1-8:2010-12</i> | <i>Eurocode 3: Design of steel structures</i> <i>Part 1-8: Design of joints</i> |
| <i>DIN 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 - National festgelegte Parameter</i> |
| <i>DIN 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>DIN EN 1090-1:2011-10</i> | <i>Execution of steel structures and aluminium structures</i> <i>Part 2: Technical requirements for steel structures</i> |

| Features | Performance / Classification |
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| Geometrical tolerances | EN 1090-2 ISO 2768 EN ISO 9013 |
| Weldability | PCC 16 – PCC 30-1: Steel S355J2+N according to EN 10025-2 PCC 30-2 – PCC 36: Steel S460 according to EN 10025-3 |
| Fracture toughness / Brittle fracture resistance | 27 Joule at -10°C |
| Load bearing capacity | Design resistance centric pull/push force: PCC 16: $N_{Rd} = \pm 68 \text{ kN}$ PCC 20: $N_{Rd} = \pm 97 \text{ kN}$ PCC 24: $N_{Rd} = \pm 139 \text{ kN}$ PCC 30-1: $N_{Rd} = \pm 220 \text{ kN}$ PCC 30-2: $N_{Rd} = \pm 299 \text{ kN}$ PCC 36: $N_{Rd} = \pm 436 \text{ kN}$ |
| Execution class | EXC2 according to EN 1090-2 |
| Fatigue strength | No Performance Determined |
| Deformation for the serviceability limit state | No Performance Determined |
| Fire resistance | No Performance Determined |
| Fire behavior | Steel component, material classified as Class A1 |
| Release of cadmio and its compounds | No Performance Determined |
| Release of radioactive radiation | No Performance Determined |
| Durability | No Performance Determined |
| Manufacturing | According to drawings No. PCC 16: 0069960-XX PCC 20: 0069967-XX PCC 24: 0075817-XX PCC 30-1: 0075824-XX PCC 30-2: 0075953-XX PCC 36: 0075956-XX Side plate: 0068968-XX Base plate: 0069962-XX BSt bent: 0069971-XX Label: 0077974-XX |
| System of Declaration of Conformity | 2+ |

Product description / Intended use:

PFEIFER-Column Shoes are generally used in conjunction with PFEIFER-Foundation Anchors PGS to anchor reinforced concrete precast columns by means of screws. The Column Shoes are either installed into the corners or on the long sides of the columns or alternatively, also in circular precast columns, while the foundation anchors are anchored in previously prepared foundations, base plates or column heads. The connection, consisting of Column Shoe and Fundament Anchor, allows the formation of hinged as well as rigid connections. Even when the columns are designed to form a hinged connection, the tensile and compressive forces can be absorbed by each Column Shoes during the assembly state. During the construction, the mounting supports can be saved.

Certificate according to DIN EN 1090 regarding the conformity of factory production controls:

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|---|---|
| Name and address of notified body: | DVS ZERT GmbH Aachener Straße 172 D-40223 Düsseldorf |
| Identification number of notified body: | 2451 |
| Number of certificate: | 2451-CPR-EN1090-2015.0045.001 |

Responsible representative for creation and management technical documentation:

Mr. Dipl.-Ing. Christoph Neef
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PFEIFER Seil- und Hebetchnik GmbH
Memmingen, 15.03.2016



Dipl.-Ing. Matthias Kintscher
General Manager Lifting and Connecting Division



Dipl.-Ing. Christoph Neef
Head of Technical and Development Department