



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 Foundation Anchor PGS/H2/H4**
in the sizes **PGS 16/H2/H2-B, PGS 20/H2/H2-B/H4, PGS 24/H2/H2-B/H4,**
PGS 30/H2/H2-B /H4, PGS 36/H2/H2-B /H4, PGS 42/H2/H2-B/H4,
PGS 48/H2/H2-B/H4, PGS 56/H2/H2-B/H4

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/EWG**
EU Construction Product Regulation

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

DIN EN 1990:2010-12	Eurocode 0: Basis of structural design
DIN EN 1990/NA:2010-12 DIN EN 1990/NA/A1:2012-08	Eurocode 0: Basis of structural design National Annex - National festgelegte Parameter incl. Änderung A1
DIN EN 1992-1:2011-01	Eurocode 2: Design of concrete structures Part 1-1: General rules and rules for buildings
DIN EN 1992-1/NA:2011-01	Eurocode 2: Design of concrete structures Part 1-1: General rules and rules for buildings National Annex - National festgelegte Parameter
DIN EN 1993-1-1:2010-12	Eurocode 3: Design of steel structures Part 1-1: General rules and rules for buildings
DIN EN 1993-1-1/NA:2010-12	Eurocode 3: Design of steel structures Part 1-1: General rules and rules for buildings National Annex - National festgelegte Parameter
DIN EN 1993-1-8:2010-12	Eurocode 3: Design of steel structures Part 1-8: Design of joints
DIN EN 1993-1-8/NA:2010-12	Eurocode 3: Design of steel structures Part 1-8: Design of joints National Annex - National festgelegte Parameter
DIN EN 1090-1:2012-02	Execution of steel structures and aluminium structures Part 1: Requirements for conformity assessment of structural components
DIN EN 1090-1:2011-10	Execution of steel structures and aluminium structures Part 2: Technical requirements for steel structures

Features	Performance / Classification
Geometrical tolerances	EN 1090-2 (general) ISO 2768
Weldability	Steel S355J0/2/R+N according to EN 10025-2/04 Reinforcing steel bar B500B according to DIN 488 and DIN EN 10080
Fracture toughness / Brittle fracture resistance	27 Joule at -10°C
Load bearing capacity	Design resistance centric tension/compression force: PGS 16/H2/H2-B: $N_{Rd} = \pm 68 \text{ kN}$ PGS 20/H2/H2-B/H4: $N_{Rd} = \pm 97 \text{ kN}$ PGS 24/H2/H2-B/H4: $N_{Rd} = \pm 139 \text{ kN}$ PGS 30/H2/H2-B/H4: $N_{Rd} = \pm 299 \text{ kN}$ PGS 36/H2/H2-B/H4: $N_{Rd} = \pm 436 \text{ kN}$ PGS 42/H2/H2-B/H4: $N_{Rd} = \pm 570 \text{ kN}$ PGS 48/H2/H2-B/H4: $N_{Rd} = \pm 778 \text{ kN}$ PGS 56/H2/H2-B/H4: $N_{Rd} = \pm 910 \text{ kN}$
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. Sockets: 0030919-XX PGS/H2: 0045710-XX PGS/H2-B: 0031947-XX PGS/H4: 0045714-XX Label PGS/H2: 0071777-XX Label PGS/H4: 0071778-XX
System of Declaration of Conformity	2+

Product description / Intended use:

PFEIFER Foundation Anchor PGS/H2/H4PGS/H2 steel components installed in foundations, floor slabs or similar elements made of reinforced concrete. Their purpose is to anchor tensile and compressive forces due to stresses resulting from predominantly static loads.

The Foundation Anchors are mainly used for anchoring of columns and wall panels in combination with PFEIFER Column Shoes and PFEIFER Wall Shoes. They are fixed to the formwork as built-in components in the precast plants or on the construction site (if necessary with the aid of templates).

The selection of suitable foundation anchors, the verification of anchoring capacity, the required additional reinforcement and the dimensioning of steel reinforced concrete elements are to be determined by the responsible planner according to common regulations.

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

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-EN1090-2015.0045.002

Responsible representative for creation and management technical documentation:

Mr. Dipl.-Ing. Christoph Neef

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PFEIFER Seil- und Hebeteknik GmbH
Memmingen, 19.04.2018

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