

Declaration of performance no 320/321/PH/02-2022



1. Unique identifying code of the product:

PFEIFER Rebar Coupler System PH

2. Intended use:

Mechanical, screwable system for connecting reinforcing steel bars in reinforced concrete components and for connecting to steel components. Suitable to transfer static or quasi-static tensile and compressive loads as well as fatigue loads.

(ETA-20/0259, Annex B1)

Product types/sizes:	<i>Female Bar</i>	<i>PH-MU</i>	<i>8, 10, 12, 14, 16, 20, 25, 28, 32, 40</i>
	<i>Male Bar</i>	<i>PH-A</i>	<i>12, 14, 16, 20, 25, 28, 32</i>
	<i>Transition Female Bar</i>	<i>PH-MUR</i>	<i>12, 14, 16, 20, 25, 28, 32, 40</i>
	<i>Connection Bolt</i>	<i>PH-K</i>	<i>8, 10, 12, 14, 16, 20, 25, 28, 32, 40</i>
	<i>Connection Sleeve</i>	<i>PH-KM</i>	<i>12, 14, 16, 20, 25, 28, 32</i>
	<i>Right-Left Bolt</i>	<i>PH-RL</i>	<i>8, 10, 12, 14, 16, 20, 25, 28, 32, 40</i>
	<i>Transition Bolt</i>	<i>PH-RB</i>	<i>12/10, 14/12, 16/14, 20/16, 25/20, 28/25, 32/28, 40/32, 16/12, ,28/20, 32/25</i>
	<i>Transition Coupler</i>	<i>PH-RM</i>	<i>12/10, 14/12, 16/14, 20/16, 25/20, 28/25, 32/28, 40/32, 16/12, ,28/20, 32/25</i>
	<i>Position Coupler</i>	<i>PH-PA</i>	<i>12 / 14 / 16 / 20 / 25 / 28 / 32 / 40</i>
	<i>Welding Coupler</i>	<i>PH-AH</i>	<i>12 / 14 / 16 / 20 / 25 / 28 / 32 / 40</i>

Material properties: *Steel*

Definition of loading: *Static and quasi-static loading, high cycle fatigue*

3. Manufacturer:

*PFEIFER Seil- und Hebetchnik GmbH
Dr.-Karl-Lenz-Straße 66
D-87700 Memmingen, Germany*

4. Representative:

5. System of assessment and verification of constancy of performance:

System 1+

6. European Assessment Document:

EAD 160129-00-0301

European Technical Assessment:

ETA-20/0259, 13. Mai 2020

Technical Assessment Body:

Deutsches Institut für Bautechnik (DIBt), Berlin

Notified Body:

Production plant 1: Technische Universität München (TUM), Kennnummer 1211

7. Performance:

Essential Characteristic	Performance of product
<p>Connection PH-MU + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C1, Table C1+C2</p>
<p>Connection PH-MU + PH-K + PH-MU Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C2, Table C3+C4</p>
<p>Connection PH-MU + PH-K + PH-MU Resistance to low cycle loading (seismic action)</p>	<p>NPD</p>
<p>Connection PH-A + PH-KM + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C3, Table C5+C6</p>
<p>Connection PH-MU + PH-RL + PH-MU LH Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C4, Table C7+C8</p>
<p>Connection PH-MU + PH-RB + PH-MU Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C5, Table C9+C10</p>
<p>Connection PH-A + PH-RM + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C6, Table C11+C12</p>
<p>Connection PH-MUR + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C7, Table C13+C14</p>
<p>Connection PH-MU + PH-PA + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading, fatigue strength</p>	<p>ETA-20/0259 Annex C8, Table C15+C16</p>
<p>Connection PH-AH + PH-A Length of the connection, resistance under static or quasi-static loading, elongation (connection failure), slip under initial loading</p>	<p>ETA-20/0259 Annex C9, Table C17+C18</p>
<p>Reaction to fire</p>	<p>All product types/sizes: <i>Class A1</i></p>

8. General and/or specific technical documentation:

<https://www.pfeifer.info>

The performance of the product corresponds to the declared performance. The manufacturer exclusively is responsible for this declaration of performance in accordance with Regulation (EU) No 305/2011.

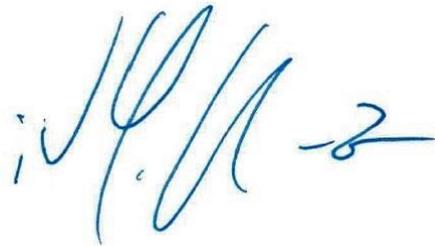
Signed for and in the name of the manufacturer:

Christoph Neef
Technik Division LIFTING

Georg Hanz
Product Unit Building Systems

Memmingen, February 28th, 2022

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Handwritten signature of Christoph Neef in blue ink, including the initials 'i.V. Ch.' and a stylized signature.Handwritten signature of Georg Hanz in blue ink, including the initials 'i.V. H.' and a stylized signature.