

Declaration of performance

DoP-2018/05/03-CPR/10.9

1. Unique identification code of the product-type

Non-preloaded structural bolting assemblies acc. to EN 15048-1: 2007, class 10.9

2. Intended use/es:

Non-preloaded structural bolting assemblies acc. to EN 15048-1: 2007, class 10.9

3. Manufacturer:

KOELNER RAWLPLUG IP Sp. z o. o. Oddział w Łańcutie
Ul. Podzwierzyniec 41, 37-100 Łańcut, PL, www.klfs.pl

4. System/s of AVCP:

System 2+

5. Harmonised standard:

EN 15048-1: 2007

Notified body/ies:

TÜV NORD Systems GmbH & Co. KG No. 0045

6. Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification
Bolts		
Tolerances on dimensions, form and position	ISO 4014 / ISO 4017	EN 15048-1: 2007
Elongation after fracture	≥ 9 %	
Minimum tensile strength	≥ 1040 MPa	
Stress at 0,2 % non-proportional elongation	≥ 940 MPa	
Stress under proof load ¹	830 MPa	
Strength under wedge loading	≥ 1040 MPa	
Hardness	≥ 32 HRC, ≤ 39 HRC	
Impact strength	≥ 27 J at - 20°C	
Release of dangerous substances	< 0.1 %	

Durability	NPD	
Nuts		
Tolerances on dimensions, form and position	ISO 4032 / ISO 4034	EN 15048-1: 2007
Stress under proof load	Acc. to ISO 898-2: 2012 Tab. 4	
Hardness	≥ 26 HRC, ≤ 36 HRC	
Release of dangerous substances	< 0.1 %	
Durability	NPD	
Washers		
Tolerances on dimensions, form and position	ISO 7089 / ISO 7090 / ISO 7091	EN 15048-1: 2007
Hardness	≥ 100 HV	
Release of dangerous substances	< 0.1 %	
Durability	NPD	
Assemblies		
Tensile resistance of the assembly	Acc. to EN 15048-1 Tab. 7.	EN 15048-1: 2007
Durability	NPD	

¹ – for $l \geq 2,5d$ and $b \geq 2d$

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and behalf of the manufacturer by:

Piotr Belcar



At Łańcut, on 1.07.2023