

Declaration of performance

DoP-2022/12/06 – UKCA - SB-8.8

1. Unique identification code of the product-type

Non-preloaded structural bolting assemblies acc. to EN 15048-1: 2007, class 8.8

2. Intended use/es:

Non-preloaded structural bolting assemblies acc. to EN 15048-1: 2007, class 8.8

3. Manufacturer:

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

4. System/s of AVCP:

System 2+

5. Designated standard:

EN 15048-1: 2007

Approved body/ies:

Approved factory control certification body TUV UK Limited No.0879 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued certificate of conformity of the factory production control.

6. Declared performance/s:

Essential characteristics	Performance	Designated technical specification
Bolts		
Tolerances on dimensions, form and position	ISO 4014 / ISO 4017 / ISO 4162	EN 15048-1: 2007
Elongation after fracture	$\geq 12\%$	
Minimum tensile strength	$\geq 800 / 830^1$ MPa	
Stress at 0,2 % non-proportional elongation	≥ 640 MPa	
Stress under proof load ²	580 / 600 ¹ MPa	
Strength under wedge loading	$\geq 800 / 830^1$ MPa	
Hardness	$\geq 22 / 23^1$ HRC, $\leq 32 / 34^1$ HRC	
Impact strength	≥ 27 J at $-20\text{ }^{\circ}\text{C}$	

Release of dangerous substances	< 0.1 %	
Durability	NPD	
Nuts		
Tolerances on dimensions, form and position	ISO 4032 / ISO 4034 / ISO 4161	EN 15048-1: 2007
Stress under proof load	Acc. to ISO 898-2: 2012 Tab. 4	
Hardness	≤ 30 / 36 ¹ 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 d > 16 mm

² – for l ≥ 2,5d and b ≥ 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 Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (UE Exit) Regulation 2019 and Construction Products (Amendment etc.) (EU Exit) Regulation 2020, under the sole responsibility of the manufacturer identified above and is available at www.klfs.pl

I hereby declare that the product named above has been manufactured to comply with the relevant referenced standard.

Signed for and behalf of the manufacturer by:

Piotr Belcar

At Łańcut, on 1.07.2023

