

Declaration of Performance

DoP-11/0268-GS

1. Unique identification code of the product-type:

GS



The photo depicts an example of a product of the given type of goods

2. Intended use/es:

**general type
to be applied in**

Expansion anchors

option / category

Deformation-controlled expansion anchor made of galvanized steel for multiple use for applications in concrete

Loading

ETAG 001

material

subject to static or quasi-static

The subject of this approval is the anchor GS of size Ø6 made of galvanized steel. Steel in accordance with EN 10263-2 standard. Galvanized steel ($\geq 8 \mu\text{m}$).

3. Manufacturer:

Rawlplug S.A.

ul. Kwidzyńska 6, 51-416 Wrocław, PL

www.rawlplug.com

4. System/s of AVCP:

System 2+

5. European Assessment Document:

ETAG 001 Metal anchors for use in concrete., Part 6 Anchors for multiple use for non-structural applications
Utilization category:

6. European Technical Assessment:

ETA-11/0268 edition of 2018-06-28

7. Technical Assessment Body:

Instytut Techniki Budowlanej

8. Notified body/ies:

1488 on the basis of:

- initial inspection of the manufacturing plant and of factory production control
- continuing surveillance, assessment and evaluation of factory production control

issued a certificate **1488-CPR-0468/Z**

9. Declared performance/s:

Essential Characteristics:

Technical Specification	Basic requirements according to CPR		Remarks:
ETA-11/0268	[1]	Mechanical resistance and stability	Declared values on the page 2
	[4]	Operational safety	Such criteria as those significant for [1]

Characteristic resistance (design acc. to ETAG 001, Annex C, method C)

<i>Anchor GS</i>			<i>GS-06040</i> <i>GS-06065</i>
<i>All load directions</i>			
Characteristic resistance in cracked or non-cracked concrete C20/25 to C50/60	F_{Rk}	kN	3,0
Partial safety factor	γ_M^2	-	1,5
Spacing	s_{cr}	mm	200
Edge distance	c_{cr}	mm	150

Characteristic resistance under fire exposure in concrete C20/25 to C50/60
– anchor GS (design acc. to ETAG 001, Annex C, method C)

<i>Anchor GS</i>			<i>GS-06040</i> <i>GS-06065</i>			
<i>All load directions</i>						
<i>Fire resistance class</i>			<i>R30</i>	<i>R60</i>	<i>R90</i>	<i>R120</i>
Characteristic resistance	$F_{Rk,fi}^1$	[kN]	0,6	0,5	0,3	0,3
Partial safety factor	γ_M^1	-	1,0			
Spacing	$s_{cr,fi}$	[mm]	4 x h_{ef}			
Edge distance	$c_{cr,fi}$	[mm]	2 x h_{ef}			
The design method covers anchors with a fire attack from one side only. In case of fire attack from more than one side, the edge distance shall be ≥ 300 mm.						

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 on behalf of manufacturer:

Sławomir Jagła
Proxy of the Quality Management System
Wrocław, 19.09.2018.

PEŁNOMOCNIK SYSTEMU
ZARZĄDZANIA JAKOŚCIĄ

Jagła
mgr Sławomir Jagła