

## 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](http://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 2018-09-19

#### 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	<b>3,0</b>
Partial safety factor	$\gamma_M^2$	-	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	$\gamma_M^1$	-	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 $\geq 300$ 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