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European Technical Assessment Body
for construction products



European Technical Assessment

ETA-25/0953
of 16 December 2025

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Butler PRO Ceiling Anchor

Product family to which the construction product belongs

Anchor for fastening redundant non-structural systems in concrete

Manufacturer

nuval GmbH
Große Schneede 15
29664 Walsrode

Manufacturing plant

nuval Herstellwerk 1

This European Technical Assessment contains

9 pages including 3 annexes which form an integral part of this assessment

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of

EAD 330747-00-0601, Edition 06/2018

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Specific Part

1 Technical description of the product

The BUTLER PRO Ceiling Anchor is an anchor made of galvanized steel which is placed into a drilled hole and anchored by deformation-controlled expansion.

Product and product description is given in Annex A.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The performances given in Section 3 are only valid if the anchor is used in compliance with the specifications and conditions given in Annex B.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the anchor of at least 50 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class A1
Resistance to fire	See Annex C 1

3.2 Safety in use (BWR 4)

Essential characteristic	Performance
Characteristic resistance for all load directions and modes of failure for simplified design	See Annex C 1
Durability	See Annex B 1

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with European Assessment Document EAD No. 330747-00-0601, the applicable European legal act is: [97/161/EC].

The system to be applied is: 2+

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 16 December 2025 by Deutsches Institut für Bautechnik

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Head of Section

beglaubigt:
Baderschneider

Product installation conditions, product marking and product dimensions

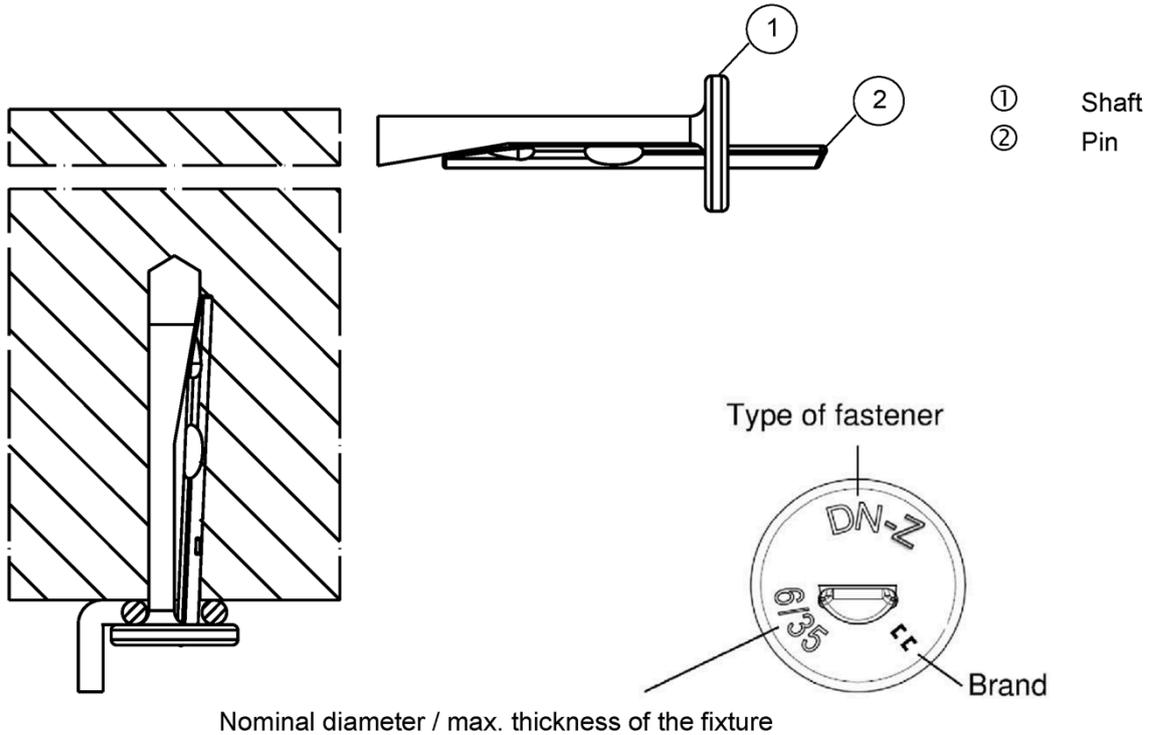
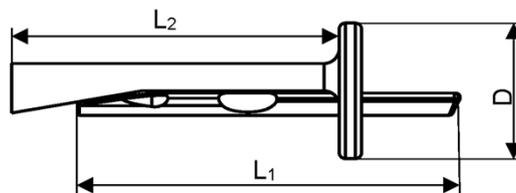


Table A1.1: Materials

Part	Description	Material
1	Shaft	Steel, galvanised $\geq 5\mu\text{m}$ according to EN ISO 4042:2022
2	Pin	Steel, galvanised $\geq 5\mu\text{m}$ according to EN ISO 4042:2022

Table A1.2: Dimensions

			BUTLER PRO Ceiling Anchor	
			6/5	6/35
Length of the	pin	L_1	43	73
	shaft	L_2	37,5	67,5
Diameter of the head		$D \geq$	13	



(Figures not to scale)

BUTLER PRO Ceiling Anchor

Intended use

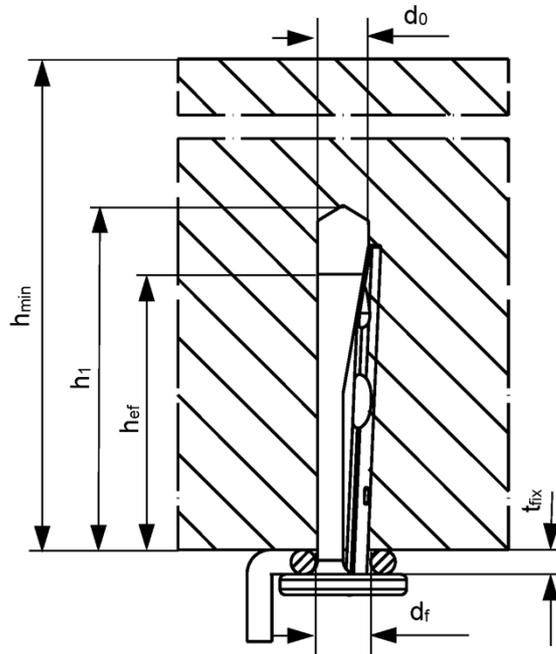
Product installation conditions, product marking and product dimensions

Annex A 1

Specifications of intended use	
Anchorage subject to:	
Size	BUTLER PRO Ceiling Anchor 6
Static and quasi-static loads	✓
Only for redundant non-structural systems according to EN 1992-4:2018	
Fire exposure	
<p>Base materials:</p> <ul style="list-style-type: none"> • Compacted reinforced and unreinforced normal weight concrete without fibres according to EN 206:2013+A2:2021. • Strength classes C12/15 to C50/60 according to EN 206:2013+A2:2021. • Cracked and non-cracked concrete. <p>Use conditions (Environmental conditions):</p> <ul style="list-style-type: none"> • Anchorage subject to dry internal conditions. <p>Design:</p> <ul style="list-style-type: none"> • Anchorages are designed under the responsibility of an engineer experienced in anchorages and concrete work. • Verifiable calculation notes and drawings have to be prepared taking account of the loads to be anchored. The position of the anchor is indicated on the design drawings (e.g. position of the anchor relative to reinforcement or to supports, etc.). • Anchorages under static and quasi-static loading are designed in accordance with EN 1992-4:2018, Design Method C or Technical Report CEN/TR 17079. • In case of requirements to resistance to fire local spalling of the concrete cover must be avoided. <p>Installation:</p> <ul style="list-style-type: none"> • Anchor installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site. • Use of the fastener only as supplied by the manufacturer without exchanging the components of the fastener. • Anchor installation in accordance with the manufacturer's specifications and drawings and using the appropriate tools. • Check of concrete being well compacted, e.g. without significant voids. • Positioning of the drill holes without damaging the reinforcement. • In case of aborted hole: new drilling at a minimum distance away of twice the depth of aborted hole or smaller distance if the aborted hole is filled with high strength mortar and if under shear or oblique tension load it is not on the direction of the load application. 	
BUTLER PRO Ceiling Anchor	
Intended use	Annex B 1
Specifications	

Table B2.1: Installation parameters

Size		BUTLER PRO Ceiling Anchor	
		6/5	6/35
Thickness of the fixture	$t_{fix} \leq$	5	35
Nominal drill hole diameter	d_0	6	
Diameter of clearance hole in the fixture	$d_f \leq$	7	
Maximum drill bit diameter	$d_{cut,max}$	6,40	
Effective embedment depth	h_{ef}	32	
Depth of drill hole to deepest point	with hole cleaning	37	
	without hole cleaning	42	
Minimum thickness of concrete member	h_{min}	80	



(Figure not to scale)

BUTLER PRO Ceiling Anchor

Intended use
Installation parameters

Annex B 2

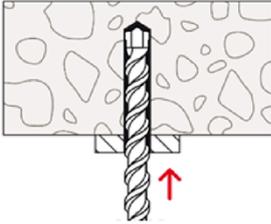
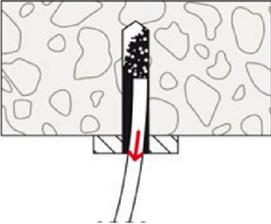
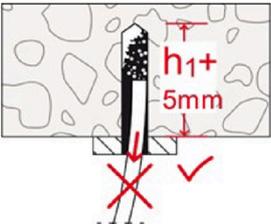
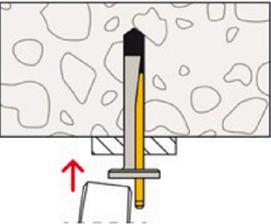
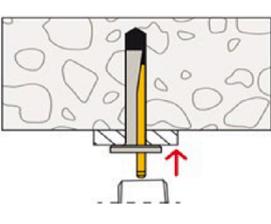
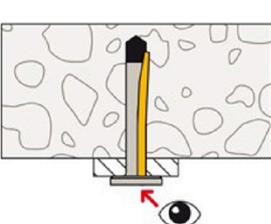
Installation instructions	
	1. Drill the hole: hammer or hollow drilling only.
	2. Clean the drill hole (only relates to hammer drilling).
	3. Cleaning of the drill hole not necessary, if the drill hole is 5 mm deeper (only relates to hammer drilling).
	4. Set the fastener: Anchor installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site.
	5. Set the pin, until flush to the surface: Positioning of the drill holes without damaging the reinforcement.
	6. Installed fastener: In case of aborted hole: New drilling at a minimum distance twice the depth of aborted hole away of or smaller distance if the aborted hole is filled with high strength mortar and if under shear or oblique tension load it is not in the direction of the load application.
<i>(Figures not to scale)</i>	
BUTLER PRO Ceiling Anchor	Annex B 3
Intended use Installation instructions	

Table C1.1: Characteristic resistance for design method C

Size		BUTLER PRO Ceiling Anchor 6	
For all load directions and for all failures modes			
Effective embedment depth	h_{ef} [mm]		32
Characteristic resistance in cracked and non- cracked concrete	C12/15	F_{RK} [kN]	1,5
	C20/25 to C50/60		2,0
Characteristic	edge distance	$c_{cr,N} = c_{min}$	[mm]
	spacing	$s_{cr,N} = s_{min}$	
Partial safety factor	$\gamma_M^{(2)}$	[-]	1,5
Shear load with lever arm			
Characteristic bending resistance	$M_{RK,s}^0$ [Nm]		4,4
Partial safety factor for steel failure	$\gamma_{Ms}^{(1)}$	[-]	1,25

¹⁾ In absence of other national regulations.

²⁾ The installation safety factor $\gamma_2 = \gamma_{inst} = 1,0$ is included.

Table C1.2: Characteristic resistance under fire exposure for all effective embedment depths

Size		BUTLER PRO Ceiling Anchor 6	
For all load directions			
R30	Characteristic resistance	$F_{RK,fi30}$	1,00
R60		$F_{RK,fi60}$	0,50
R90		$F_{RK,fi90}$ [kN]	0,34
R120		$F_{RK,fi120}$	0,26
R180		$F_{RK,fi180}$	0,17
Spacing and edge distance			
R30 – R180		$s_{cr,fi}$	200
		$c_{cr,fi}$	150
Shear load with lever arm			
R30	Characteristic bending resistance	$M_{RK,s,fi30}^0$	0,67
R60		$M_{RK,s,fi60}^0$	0,33
R90		$M_{RK,s,fi90}^0$ [Nm]	0,22
R120		$M_{RK,s,fi120}^0$	0,16
R180		$M_{RK,s,fi180}^0$	0,11

For fire exposure from one side c_{min} and s_{min} see Table C1.1.

For fire exposure from more than one side $c_{min} \geq 300$ mm.

BUTLER PRO Ceiling Anchor	Annex C 1
Performances Characteristic resistance and characteristic resistance under fire exposure	