DECLARATION OF PERFORMANCE
NR. LE_090401006_03_M_W-ED(2)

LANGUAGE VERSIONS :

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DECLARATION OF PERFORMANCE

Nr. LE_090401006_03_M_W-ED(2)

This is an English translation of the original German wording.
In cases of doubt, the German version applies

1. Unique identification code of the product type: Würth Drop-in anchor W-ED
   Art.-No.: 0904010*; 0904040*; 0904030*
2. Intended use(s): Deformation-controlled expansion anchor for multiple use for non-structural applications in concrete
3. Manufactured by: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D - 74653 Künzelsau
4. System(s) of assessment and verification of constancy of performance: System 2+
5. European Assessment Document: ETAG 001 Part 6 - August 2010
   European Technical Assessment: ETA-05/0120 - 11/02/2017
   Technical Assessment Body: Deutsches Institut für Bautechnik (DIBt), Berlin
   Notified Body or Bodies: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Declared performance(s):

Essential Characteristics	Performance	Harmonised Technical Specification
Safety in case of fire (BWR 2)		ETA-05/0120 ETAG 001 Part 6 - August 2010
Reaction to fire	Class A1	
Resistance to fire	See Annex C4 to C5	
Safety in use (BWR 4)		
Characteristic values for static and quasi-static actions	See Annex C1 to C3	

The performance of the product identified above corresponds to the 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 the manufacturer by:

Frank Wolpert
Authorized Signatory, Head of Market Division

Dr. -Ing. Siegfried Beichter
Authorized Signatory, Head of Quality

Künzelsau, 01/03/2021

Deutsches Institut für Bautechnik

Member of EOTA
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Approval body for construction products and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and Laender Governments

Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment ETA-05/0120 of 14 February 2017

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	Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR and W-ED/HCR BND
Product family to which the construction product belongs	Deformation-controlled expansion anchor for multiple use for non-structural applications in concrete
Manufacturer	Adolf Würth GmbH & Co. KG Reinhold-Würth-Straße 12-17 74653 Künzelsau DEUTSCHLAND
Manufacturing plant	Würth Herstellwerk 1, Deutschland
This European Technical Assessment contains	20 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	Guideline for European technical approval of "Metal anchors for use in concrete", ETAG 001 Part 6: "Anchors for multiple use for non-structural applications", August 2010, used as European Assessment Document (EAD) according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011.

Deutsches Institut für Bautechnik
Kolonnenstraße 30 B | 10829 Berlin | GERMANY | Phone: +49 30 78730-0 | Fax: +49 30 78730-320 | Email: dibt@dibt.de | www.dibt.de

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Specific Part

1 Technical description of the product

The Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR und W-ED/HCR BND is an anchor made of zinc-plated steel, of stainless steel or high corrosion resistant steel which is placed into a drilled hole and anchored by deformation-controlled expansion.

The 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 Mechanical resistance and stability (BWR 1)

The essential characteristics regarding Mechanical resistance and stability are included under the Basic Works Requirement Safety in use.

3.2 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorages satisfy requirements for Class A1
Resistance to fire	See Annex C 4 to C 5

3.3 Safety in use (BWR 4)

Essential characteristic	Performance
Characteristic values for static and quasi- static actions	See Annex C 1 to C 3

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

In accordance with guideline for European technical approval ETAG 001, April 2013 used as European Assessment Document (EAD) according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011 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 14 February 2017 by Deutsches Institut für Bautechnik

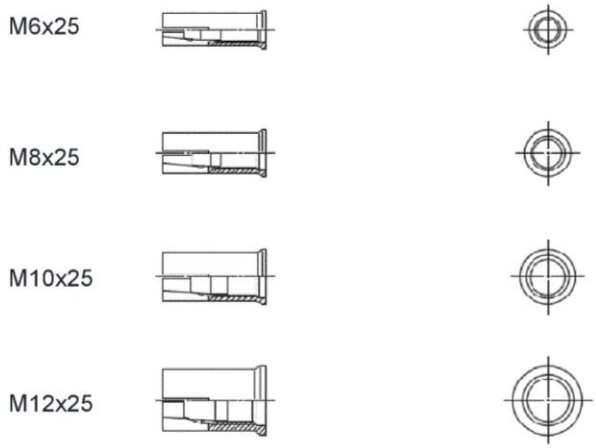
Uwe Bender
Head of Department

beglaubigt:
Baderschneider

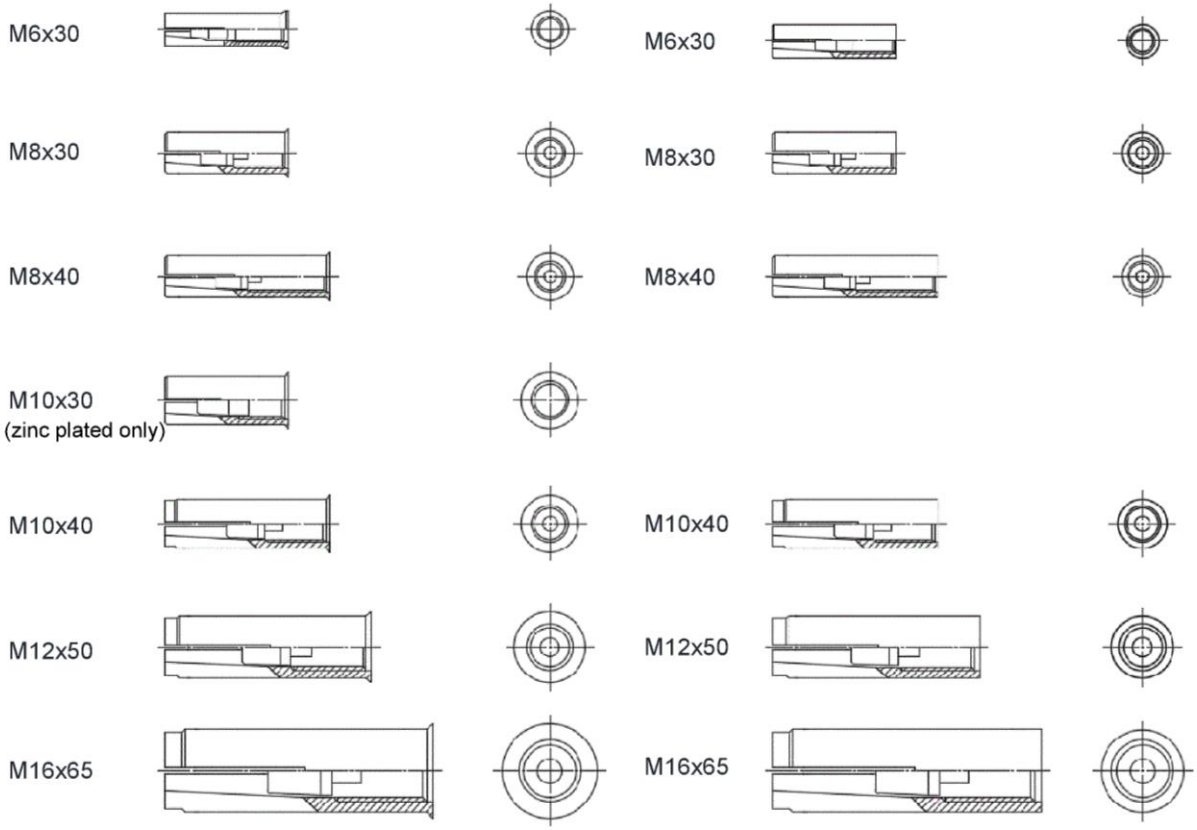
Deutsches Institut für Bautechnik DIBt

Drop-in Anchor W-ED

Anchorage depth h_{ef} = 25 mm (zinc plated)



Anchorage depth $h_{ef} \geq 30$ mm (zinc plated, A4 or HCR)



Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Product description
Anchor size

Annex A1

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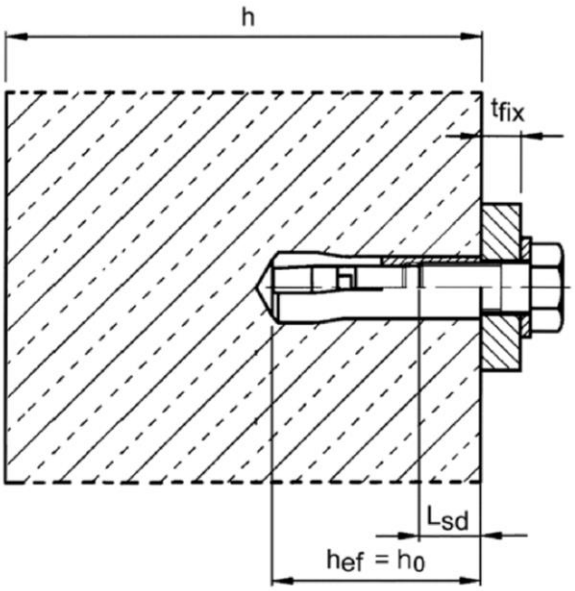
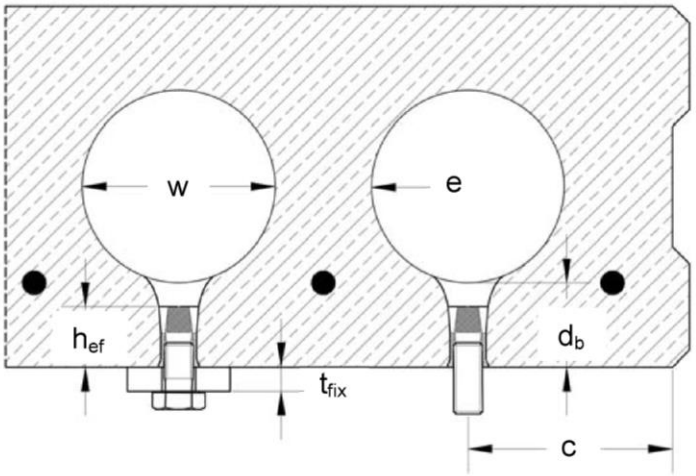
Installation situation in concrete



Installation situation in precast pre-stressed hollow core slabs for h_{ef} = 25 mm

w / e ≤ 4.2

w	core width
e	web thickness
d_b	flange thickness ≥ 35 mm (or ≥ 30mm, see Annex C3)
h_{ef}	embedment depth
t_{fix}	thickness of fixture
c	edge distance



Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Product description
Installation situation

Annex A2

Deutsches Institut für Bautechnik DIBt

Table A1: Designation and Material Drop-in Anchor W-ED

Part	Designation	Steel, zinc plated	Stainless steel A4	High corrosion resistant steel HCR
1	Anchor sleeve	Cold formed or machining steel, zinc plated, EN ISO 4042:1999	Stainless steel (e.g. 1.4401, 1.4404, 1.4571, 1.4362) EN 10088:2014, Property class 70, EN ISO 3506:2010	Stainless steel, 1.4529, 1.4565, EN 10088:2014, Property class 70, EN ISO 3506:2010
2	Cone	Cold formed or machining steel	Stainless steel (e.g. 1.4401, 1.4404, 1.4571, 1.4362) EN 10088:2014	

Requirements on the fastening screw or the threaded rod and nut according to the engineering documents:

- Minimum screw-in depth L_{sdmin} see Table B1 and B2
- The length of screw or the threaded rod shall be determined depending on the thickness of fixture t_{fix}, available thread length L_{th} (= maximum screw-in depth) and the minimum screw-in depth L_{sdmin}.
- A_5 > 8 % Ductility

Steel, zinc plated

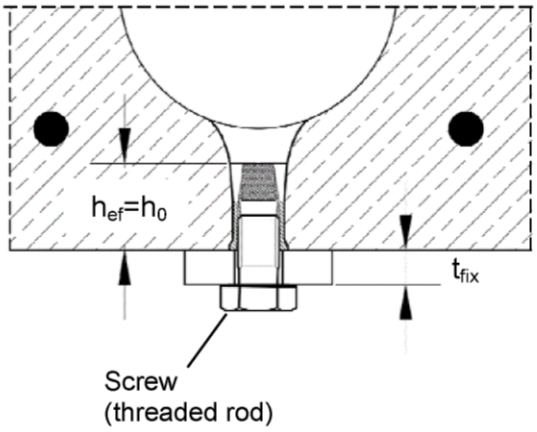
- Property class 4.6 / 4.8 / 5.6 / 5.8 or 8.8 according to EN ISO 898-1:2013 or EN ISO 898-2:2012

Stainless steel A4

- Material 1.4401; 1.4404; 1.4578; 1.4571; 1.4439; 1.4362 EN 10088:2014
- Property class 70 or 80 according to EN ISO 3506:2010

High corrosion resistant steel (HCR)

- Material 1.4529; 1.4565, according to EN 10088:2014
- Property class 70 or 80 according to EN ISO 3506:2010



Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Annex A3

Product description
Material and requirements on the fastening screw or the threaded rod and nut

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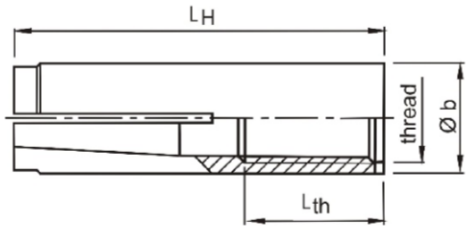
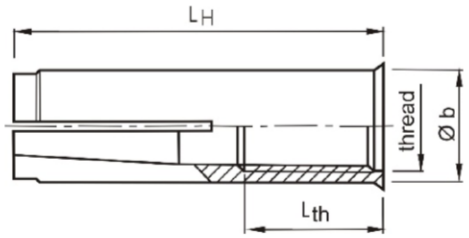
Anchor sleeve

Anchor version without shoulder



Anchor version with shoulder – Type BND

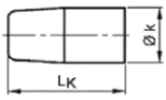


Marking: see Table A2

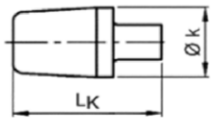
e.g.: ◇ E M8x40

◇	Identifying mark of manufacturing plant
E	Anchor identity (version without shoulder)
ES	Anchor identity (version with shoulder)
M8	Size of thread
40	Anchorage depth
A4	additional marking of stainless steel A4
HCR	additional marking of high corrosion resistant steel

Cone



Size M6x25 to M12x25, M6x30 and M10x30



Remaining sizes

Table A2: Dimensions and marking

	Anchor sleeve				Cone		Marking		
Anchor size	thread	Ø b	L_H	L_{th}	Ø k	L_K	version E	version ES	alternatively
M6x25	M6	8	25	12	4.6	9	-	◇ ES M6x25	-
M6x30	M6	8	30	13	5.0	13	◇ E M6x30	◇ ES M6x30	◇ E M6
M8x25	M8	10	25	12	6.3	9	-	◇ ES M8x25	-
M8x30	M8	10	30	13	6.5	12	◇ E M8x30	◇ ES M8x30	◇ E M8
M8x40	M8	10	40	20	6.5	12	◇ E M8x40	◇ ES M8x40	◇ E M8x40
M10x25	M10	12	25	12	8.2	9	-	◇ ES M10x25	-
M10x30	M10	12	30	12	8.2	12	-	◇ ES M10x30	◇ E M10x30
M10x40	M10	12	40	15	8.2	16	◇ E M10x40	◇ ES M10x40	◇ E M10
M12x25	M12	15	25	12	9.7	10.7	-	◇ ES M12x25	-
M12x50	M12	15	50	18	10.3	20	◇ E M12x50	◇ ES M12x50	◇ E M12
M16x65	M16	19.7	65	23	13.8	29	◇ E M16x65	◇ ES M16x65	◇ E M16

Dimensions in mm

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Product description
Dimensions and marking

Annex A4

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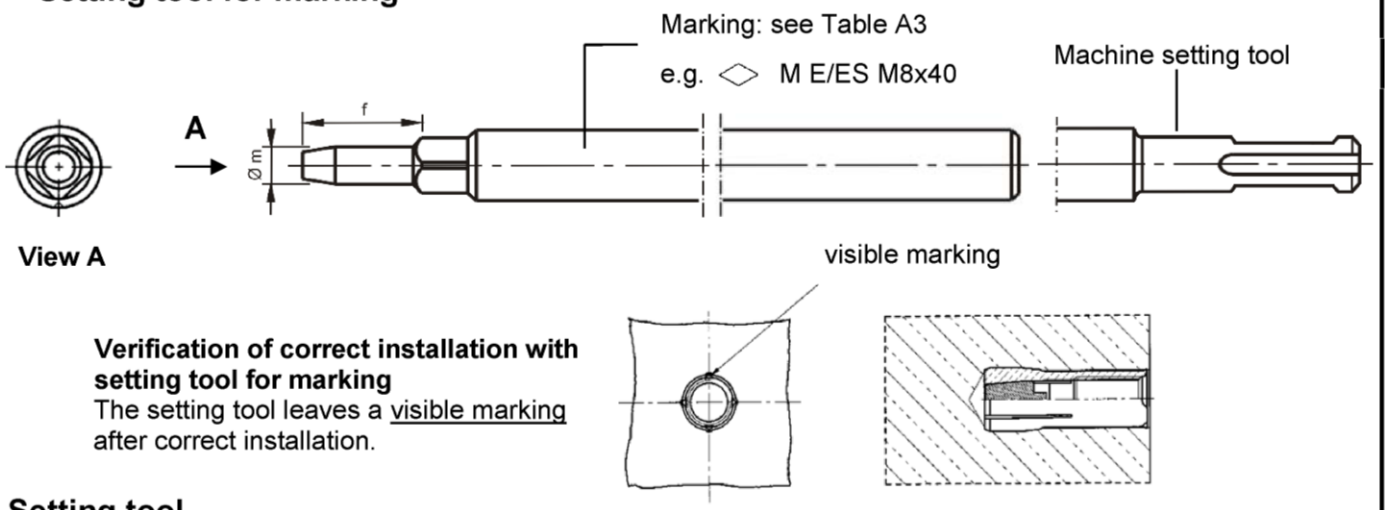
Setting tool for marking



Verification of correct installation with setting tool for marking
The setting tool leaves a visible marking after correct installation.

Setting tool

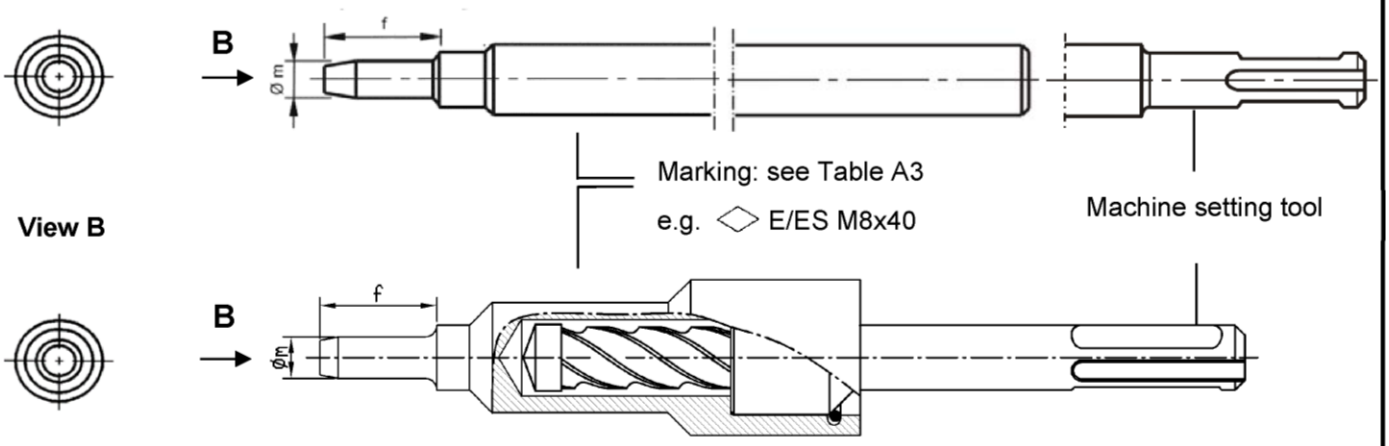


Table A3: Dimensions and marking of setting tools

Anchor size	Ø m	f	Setting tool for marking		Setting tool	
			Marking	alternatively	**Marking**	alternatively
M6x25	4.9	17	◇ M ES M6x25	-	◇ ES M6x25	-
M6x30	4.9	17	◇ M E/ES M6x30	◇ M E M6	◇ E/ES M6x30	◇ E M6
M8x25	6.4	17	◇ M ES M8x25	-	◇ ES M8x25	-
M8x30	6.4	18	◇ M E/ES M8x30	◇ M E M8	◇ E/ES M8x30	◇ E M8
M8x40	6.4	28	◇ M E/ES M8x40	◇ M E M8x40	◇ E/ES M8x40	◇ E M8x40
M10x25	8.0	18	◇ M ES M10x25	-	◇ ES M10x25	-
M10x30	8.0	18	◇ M ES M10x30	◇ M E M10x30	◇ ES M10x30	◇ E M10x30
M10x40	8.0	24	◇ M E/ES M10x40	◇ M E M10	◇ E/ES M10x40	◇ E M10
M12x25	10.0	15.5	◇ M ES M12x25	-	◇ ES M12x25	-
M12x50	10.0	30	◇ M E/ES M12x50	◇ M E M12	◇ E/ES M12x50	◇ E M12
M16x65	13.5	36	◇ M E/ES M16x65	◇ M E M16	◇ E/ES M16x65	◇ E M16

Dimensions in mm

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Product description
Setting tools, dimensions and marking

Annex A5

Deutsches Institut für Bautechnik DIBt

Specifications of intended use

Drop-in Anchor							
Anchorage depth h_{ef} ≥ 30 mm	**M6x30**	**M8x30**	**M8x40**	**M10x30**	**M10x40**	**M12x50**	**M16x65**
Steel, zinc plated				✓			
Stainless steel A4 and high corrosion resistant steel HCR		✓		-		✓	
Static and quasi-static loads				✓			
Fire exposure				✓			
Cracked and uncracked concrete				✓			
Solid concrete **C20/25 to C50/60**				✓			

Anchorage depth h_{ef} = 25 mm	**M6x25**	**M8x25**	**M10x25**	**M12x25**
Steel, zinc plated		✓		
Stainless steel A4 and high corrosion resistant steel HCR		-		
Static and quasi-static loads		✓		
Fire exposure (solid concrete, C20/25 to C50/60)		✓		
Cracked and uncracked concrete		✓		
Solid concrete **C12/15 to C50/60**		✓		
Precast pre-stressed hollow core slabs (C30/37 to C50/60)		✓		

Base materials:

- reinforced or unreinforced normal weight concrete according to EN 206-1:2000

Use conditions:

- Structures subject to dry internal conditions
  (zinc plated steel, stainless steel or high corrosion resistant steel).
- Structures subject to external atmospheric exposure (including industrial and marine environment) or exposure to permanently damp internal condition, if no particular aggressive conditions exist
  (stainless steel or high corrosion resistant steel).
- Structures subject to external atmospheric exposure and to permanently damp internal condition, if other particular aggressive conditions
  (high corrosion resistant steel).

  Note: Particular aggressive conditions are e.g. permanent, alternating immersion in seawater or the splash zone of seawater, chloride atmosphere of indoor pools or atmosphere with extreme chemical pollution (e.g. in desulphurization plants or road tunnels where de-icing materials are used.)

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Intended use
Specifications

Annex B1

Deutsches Institut für Bautechnik DIBt

Specifications of intended use

Design:

- Anchorages are designed under the responsibility of an engineer experienced in anchorages and concrete work.
- Verifiable calculation notes and drawings are 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.).
- The strength class and the length of the fastening screw or threaded rod shall be defined by the designing engineer
- Anchorages under static or quasi-static actions for multiple use for non-structural applications are designed in accordance with:
  - ETAG 001, Annex C, design method B, Edition August 2010 or
  - CEN/TS 1992-4:2009, design method B
- Anchorages under static or quasi-static actions for precast pre-stressed hollow core slabs:
  - ETAG 001, Annex C, design method C, Edition August 2010.
  - CEN/TS 1992-4:2009, design method C
- Anchorages under fire exposure are designed in accordance with:
  - ETAG 001, Annex C, design method B, Edition August 2010 and EOTA Technical Report TR 020, Edition May 2004 or
  - CEN/TS 1992-4:2009, Annex D
  - It must be ensured that local spalling of the concrete cover does not occur.

Installation:

- Anchor installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site,
- Anchor installation in accordance with the manufacturer's specifications and drawings and using the appropriate tools,
- Drill hole by hammer drilling only (use of vacuum drill bits is admissible),
- Positioning of the drill holes without damaging the reinforcement.

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND	Annex B2
Intended use Specifications	

Deutsches Institut für Bautechnik DIBt

Table B1: Installation parameters for $h_{ef} \geq 30$ mm

Anchor size			**M6x30**	**M8x30**	**M8x40**	**M10x30**	**M10x40**	**M12x50**	**M16x65**
Depth of drill hole	h_0 =	[mm]	30	30	40	30	40	50	65
Drill hole diameter	d_0 =	[mm]	8	10	10	12	12	15	20
Cutting diameter of drill bit	$d_{cut} \leq$	[mm]	8.45	10.45	10.45	12.5	12.5	15.5	20.55
Max. recommended installation torque	$T_{inst} \leq$	[Nm]	4	8	8	15	15	35	60
Diameter of clearance hole in the fixture	$d_f \leq$	[mm]	7	9	9	12	12	14	18
Available thread length	L_{th}	[mm]	13	13	20	12	15	18	23
Minimum screw-in depth	L_{sdmin}	[mm]	7	9	9	10	11	13	18
Spacing	s_{cr}	[mm]	130	180	210	230	170	170	400
Edge distance	c_{cr}	[mm]	65	90	105	115	85	85	200
Steel, zinc plated									
Minimum thickness of member	h_{min}	[mm]	100	100	100	120	120	130	160
Minimum spacing	s_{min}	[mm]	55	60	80	100	100	120	150
Minimum distance	c_{min}	[mm]	95	95	95	115	135	165	200
Stainless steel A4, HCR									
Minimum thickness of member	h_{min}	[mm]	100	100	100	-	130	140	160
Minimum spacing	s_{min}	[mm]	50	60	80	-	100	120	150
Minimum distance	c_{min}	[mm]	80	95	95	-	135	165	200

Table B2: Installation parameters for h_{ef} = 25 mm

Anchor size			**M6x25**	**M8x25**	**M10x25**	**M12x25**
Depth of drill hole	h_0 =	[mm]	25	25	25	25
Drill hole diameter	d_0 =	[mm]	8	10	12	15
Cutting diameter of drill bit	$d_{cut} \leq$	[mm]	8.45	10.45	12.5	15.5
Max. recommended installation torque	$T_{inst} \leq$	[Nm]	4	8	15	35
Diameter of clearance hole in the fixture	$d_f \leq$	[mm]	7	9	12	14
Available thread length	L_{th}	[mm]	12	12	12	12
Minimum screw-in depth	L_{sdmin}	[mm]	6	8	10	12
Installation in solid concrete slabs C12/15 to C50/60						
Spacing	s_{cr}	[mm]	75	75	75	75
Edge distance	c_{cr}	[mm]	38	38	38	38
Minimum thickness of member	$h_{min,1}$	[mm]	**80**			
Minimum spacing	s_{min}	[mm]	30	70	70	100
Minimum edge distance	c_{min}	[mm]	60	100	100	130
Standard thickness of member	$h_{min,2}$	[mm]	**100**			
Minimum spacing	s_{min}	[mm]	30	50	60	100
Minimum edge distance	c_{min}	[mm]	60	100	100	110
Installation in precast pre-stressed hollow core slabs C30/37 to C50/60						
Spacing	$s_{cr} = s_{min}$	[mm]	200			
Edge distance	$c_{cr} = c_{min}$	[mm]	150			

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Intended use
Installation parameters

Annex B3

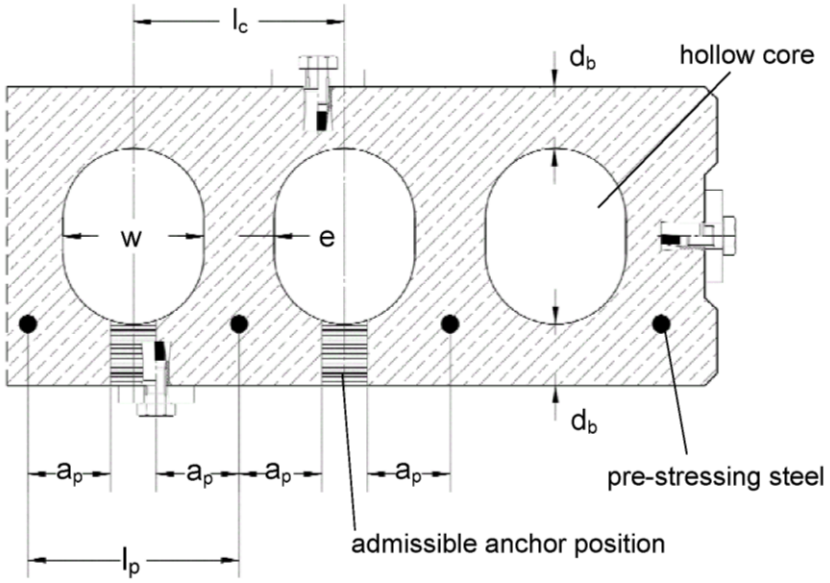
Deutsches Institut für Bautechnik DIBt

Admissible anchor positions in precast pre-stressed hollow core slabs (w / e ≤ 4.2)

core distance:
$l_c \geq 100$ mm

pre-stressing steel distance:
$l_p \geq 100$ mm

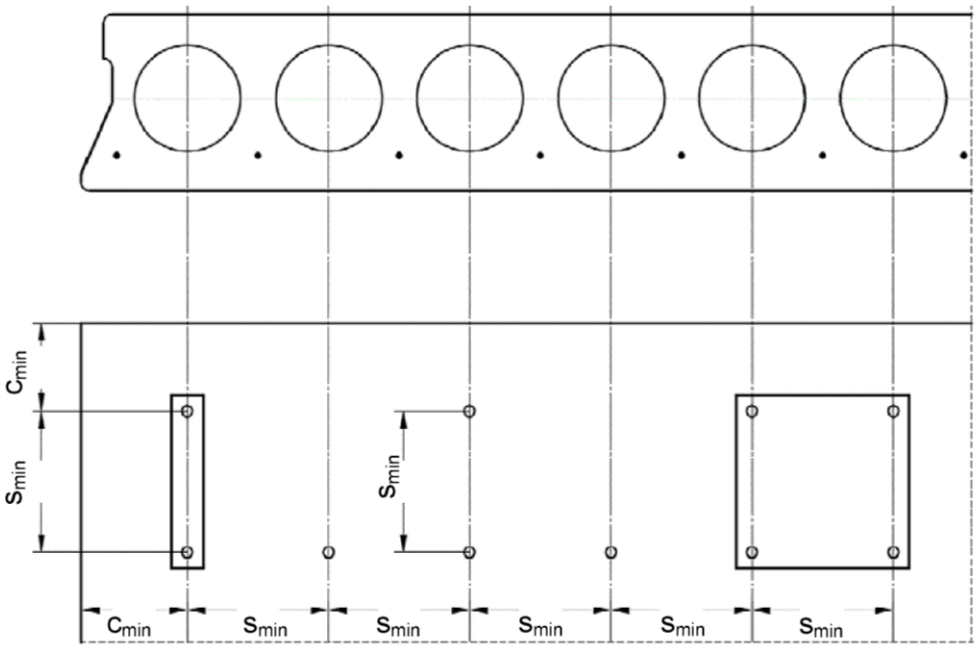
distance between anchor position and pre-stressing steel:
$a_p \geq 50$ mm



Minimum spacing and edge distance of anchors and distance between anchor groups in precast pre-stressed hollow core slabs

Minimum edge distance
$c_{min} \geq 150$ mm

Minimum anchor spacing
$s_{min} \geq 200$ mm



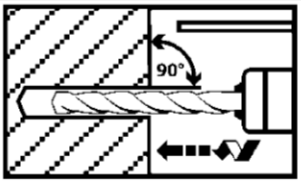
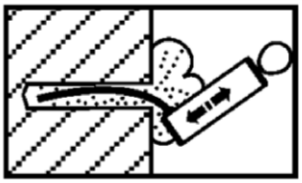
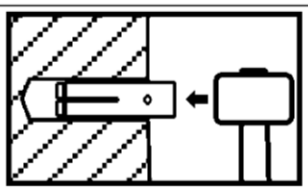
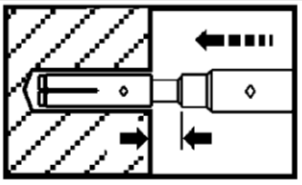
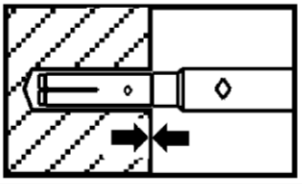
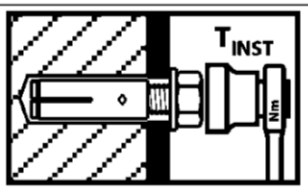
Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Intended use
Installation in precast pre-stressed hollow core slabs

Annex B4

Deutsches Institut für Bautechnik DIBt

Installation instructions for solid concrete slabs

1		Drill hole perpendicular to concrete surface. When using vacuum drill bit proceed with step 3.
2		Blow out dust. Alternatively vacuum-clean down to the bottom of the hole.
3		Drive in anchor.
4		Drive in cone by using setting tool.
5		Shoulder of setting tool must fit on anchor rim.
6		Apply installation torque T_{inst} by using calibrated torque wrench.

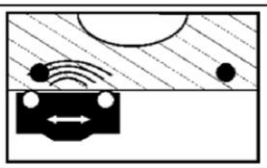
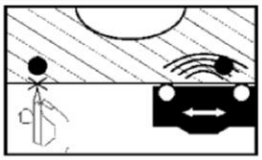
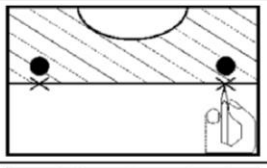
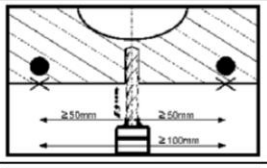
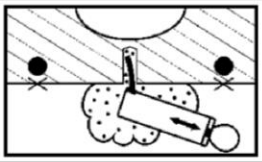
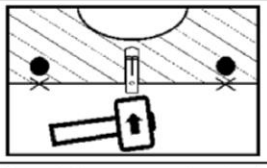
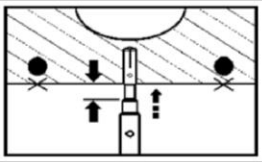
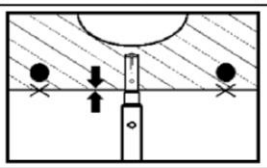
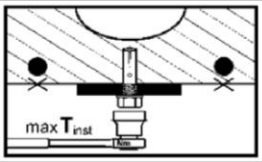
Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Intended use
Installation instructions for solid concrete slabs

Annex B5

Deutsches Institut für Bautechnik DIBt

Installation instructions for precast pre-stressed hollow core slabs

1		Search for the position of the reinforcement.
2		Mark the position of the reinforcement and search for the other position of the reinforcement
3		Mark the positions of reinforcement.
4		Drill hole while maintaining the required distances. When using vacuum drill bit proceed with step 6.
5		Blow out dust. Alternatively vacuum clean down to the bottom of the hole.
6		Drive in anchor.
7		Drive in cone by using setting tool.
8		Shoulder of setting tool must fit on anchor rim.
9		Apply installation torque T_{inst} by using calibrated torque wrench.

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Intended use
Installation instructions for precast pre-stressed hollow core slabs

Annex B6

Deutsches Institut für Bautechnik DIBt

Table C1: Characteristic resistance for $h_{ef} \geq 30$ mm in solid concrete slabs

Anchor size			M6x30	M8x30	M8x40	M10x30	M10x40	M12x50	M16x65
Load in any direction									
Characteristic resistance in concrete **C20/25 to C50/60**	F^0_{Rk}	[kN]	3	5	6	6	6	6	16
Partial safety factor	γ_M	[-]	1.8	2.16		2.1	2.16	1.8	1.8
Shear load with lever arm, Steel zinc plated									
Characteristic resistance **(Steel 4.6)**	$M^0_{Rk,s}$ 1)	[Nm]	6,1	15	15	30	30	52	133
Partial safety factor	γ_{Ms}	[-]	1.67						
Characteristic resistance **(Steel 4.8)**	$M^0_{Rk,s}$ 1)	[Nm]	6,1	15	15	30	30	52	133
Partial safety factor	γ_{Ms}	[-]	1.25						
Characteristic resistance **(Steel 5.6)**	$M^0_{Rk,s}$ 1)	[Nm]	7,6	19	19	37	37	65	166
Partial safety factor	γ_{Ms}	[-]	1.67						
Characteristic resistance **(Steel 5.8)**	$M^0_{Rk,s}$ 1)	[Nm]	7,6	19	19	37	37	65	166
Partial safety factor	γ_{Ms}	[-]	1.25						
Characteristic resistance **(Steel 8.8)**	$M^0_{Rk,s}$ 1)	[Nm]	12	30	30	59	60	105	266
Partial safety factor	γ_{Ms}	[-]	1.25						
Shear load with lever arm, Stainless steel A4 / HCR									
Characteristic resistance **(Property class 70)**	$M^0_{Rk,s}$ 1)	[Nm]	11	26	26	-	52	92	233
Partial safety factor	γ_{Ms}	[-]	1.56						
Characteristic resistance **(Property class 80)**	$M^0_{Rk,s}$ 1)	[Nm]	12	30	30	-	60	105	266
Partial safety factor	γ_{Ms}	[-]	1.33						

1) Characteristic bending moment $M^0_{Rk,s}$ for equation (5.5) in ETAG 001, Annex C or for equation (14) in CEN/TS 1992-4-4

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Performance
Characteristic resistance for $h_{ef} \geq 30$ mm in **solid concrete**

Annex C1

Deutsches Institut für Bautechnik DIBt

Table C2: Characteristic resistance for h_{ef} = **25 mm** in **solid concrete slabs**

Anchor size			**M6x25**	**M8x25**	**M10x25**	**M12x25**
Load in any direction						
Characteristic resistance in concrete **C12/15 and C16/20**	F^0_{Rk}	[kN]	2.5	2.5	3.5	3.5
Characteristic resistance in concrete **C20/25 to C50/60**	F^0_{Rk}	[kN]	3.5	4.0	4.5	4.5
Partial safety factor	γ_M	[-]	1.5			
Shear load with lever arm						
Characteristic resistance **(Steel 4.6)**	$M^0_{Rk,s}$ [1)]	[Nm]	6.1	15	30	52
Partial safety factor	γ_{Ms}	[-]	1.67			
Characteristic resistance **(Steel 4.8)**	$M^0_{Rk,s}$ [1)]	[Nm]	6.1	15	30	52
Partial safety factor	γ_{Ms}	[-]	1.25			
Characteristic resistance **(Steel 5.6)**	$M^0_{Rk,s}$ [1)]	[Nm]	7.6	19	37	65
Partial safety factor	γ_{Ms}	[-]	1.67			
Characteristic resistance **(Steel 5.8)**	$M^0_{Rk,s}$ [1)]	[Nm]	7.6	19	37	65
Partial safety factor	γ_{Ms}	[-]	1.25			
Characteristic resistance **(Steel 8.8)**	$M^0_{Rk,s}$ [1)]	[Nm]	12	30	60	105
Partial safety factor	γ_{Ms}	[-]	1.25			

[1)] Characteristic bending moment $M^0_{Rk,s}$ for equation (5.5) in ETAG 001, Annex C or for equation (14) in CEN/TS 1992-4-4

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Performance
Characteristic resistance for h_{ef} = **25 mm** in **solid concrete**

Annex C2

Deutsches Institut für Bautechnik DIBt

Table C3: Characteristic resistance for h_{ef} = **25 mm** in **precast pre-stressed hollow core slabs**

Anchor size			**M6x25**	**M8x25**	**M10x25**	**M12x25**
Load in any direction						
Flange thickness	d_b	[mm]	≥ 35 (30)[1]			
Characteristic resistance in precast pre-stressed hollow core slabs **C30/37 to C50/60**	F_{Rk}	[kN]	3.5	4.0	4.5	4.5
Partial safety factor	γ_M	[-]	1.5			
Shear load with lever arm						
Characteristic resistance **(Steel 4.6)**	$M^0_{Rk,s}$ [2]	[Nm]	6.1	15	30	52
Partial safety factor	γ_{Ms}	[-]	1.67			
Characteristic resistance **(Steel 4.8)**	$M^0_{Rk,s}$ [2]	[Nm]	6.1	15	30	52
Partial safety factor	γ_{Ms}	[-]	1.25			
Characteristic resistance **(Steel 5.6)**	$M^0_{Rk,s}$ [2]	[Nm]	7.6	19	37	65
Partial safety factor	γ_{Ms}	[-]	1.67			
Characteristic resistance **(Steel 5.8)**	$M^0_{Rk,s}$ [2]	[Nm]	7.6	19	37	65
Partial safety factor	γ_{Ms}	[-]	1.25			
Characteristic resistance **(Steel 8.8)**	$M^0_{Rk,s}$ [2]	[Nm]	12	30	60	105
Partial safety factor	γ_{Ms}	[-]	1.25			

[1] The anchor may be set in a flange thickness of 30 mm with identical characteristic loads, if the borehole cuts no hollow core.

[2] Characteristic bending moment $M^0_{Rk,s}$ for equation (5.5) in ETAG 001, Annex C or for equation (14) in CEN/TS 1992-4-4

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Performance
Characteristic resistance for h_{ef} = **25 mm** in **precast pre-stressed hollow core slabs**

Annex C3

Deutsches Institut für Bautechnik DIBt

Table C4: Characteristic values under **fire exposure** in **solid concrete slabs** C20/25 to C50/60 for $h_{ef} \geq 30$ mm

Anchor size					**M6x30**	**M8x30**	**M8x40**	**M10x30**	**M10x40**	**M12x50**	**M16x65**
Fire resistance class		**Load in any direction**									
Steel 4.6	R 30	Characteristic resistance	$F_{Rk,fi}$	[kN]	0.4	0.6	0.6	0.9	0.9	1.5	3.1
	R 60			[kN]	0.35	0.6	0.6	0.8	0.8	1.3	2.4
	R 90			[kN]	0.30	0.6	0.6	0.6	0.6	1.1	2.0
	R 120			[kN]	0.25	0.5	0.5	0.5	0.5	0.8	1.6
Steel 4.8	R 30	Characteristic resistance	$F_{Rk,fi}$	[kN]	0.4	0.9	1.1	0.9	1.5	1.5	4.0
	R 60			[kN]	0.35	0.9	0.9	0.9	1.5	1.5	4.0
	R 90			[kN]	0.3	0.6	0.6	0.9	1.1	1.5	3.0
	R 120			[kN]	0.3	0.5	0.5	0.7	0.9	1.2	2.4
Steel ≥ 5.6	R 30	Characteristic resistance	$F_{Rk,fi}$	[kN]	0.8	0.9	1.5	0.9	1.5	1.5	4.0
	R 60			[kN]	0.8	0.9	1.5	0.9	1.5	1.5	4.0
	R 90			[kN]	0.4	0.9	0.9	0.9	1.5	1.5	3.7
	R 120			[kN]	0.3	0.5	0.5	0.7	1.0	1.2	2.4
A4 / HCR	R 30	Characteristic resistance	$F_{Rk,fi}$	[kN]	0.8	0.9	1.5	-	1.5	1.5	4.0
	R 60			[kN]	0.8	0.9	1.5	-	1.5	1.5	4.0
	R 90			[kN]	0.4	0.9	0.9	-	1.5	1.5	3.7
	R 120			[kN]	0.3	0.5	0.5	-	1.0	1.2	2.4
		Partial safety factor $\gamma_{M,fi}$		[-]	1.0						
Steel zinc plated											
R 30 – R 120		Spacing	$s_{cr,fi}$	[mm]	130	180	210	170	170	200	400
		Edge distance	$c_{cr,fi}$	[mm]	65	90	105	85	85	100	200
		If the fire attack is from more than one side, the edge distance shall be ≥ 300 mm.									
Stainless steel A4, HCR											
R 30 – R 120		Spacing	$s_{cr,fi}$	[mm]	130	180	210	-	170	200	400
		Edge distance	$c_{cr,fi}$	[mm]	65	90	105	-	85	100	200
		If the fire attack is from more than one side, the edge distance shall be ≥ 300 mm.									

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Performance
Characteristic values under **fire exposure** for $h_{ef} \geq 30$ mm

Annex C4

Deutsches Institut für Bautechnik DIBt

Table C5: Characteristic values under **fire exposure** in **solid concrete slabs** C20/25 to C50/60 for h_{ef} **= 25 mm**

Anchor size				**M6x25**	**M8x25**	**M10x25**	**M12x25**
Fire resistance class		**Load in any direction**					
Steel ≥ 4.6	R 30	Characteristic resistance $F_{Rk,fi}$	[kN]	0.4	0.6	0.6	0.6
	R 60		[kN]	0.35	0.6	0.6	0.6
	R 90		[kN]	0.30	0.6	0.6	0.6
	R 120		[kN]	0.25	0.5	0.5	0.5
		Partial safety factor $\gamma_{M,fi}$	[-]	1.0			
R 30 – R 120		Spacing $s_{cr,fi}$	[mm]	100	100	100	100
		Edge distance $c_{cr,fi}$	[mm]	50	50	50	50
		If the fire attack is from more than one side, the edge distance shall be ≥ 300 mm.					

Würth Drop-in anchor W-ED/S, W-ED/S BND, W-ED/A4, W-ED/A4 BND, W-ED/HCR, W-ED/HCR BND

Performance
Characteristic values under **fire exposure** for h_{ef} **= 25 mm**

Annex C5

ДЕКЛАРАЦИЯ ЗА ЕКСПЛОАТАЦИОННИ ПОКАЗАТЕЛИ

№LE_090401006_03_M_W-ED(2)

Настоящият текст е превод от немски на български.
В случай на съмнение важи оригиналът на немски

1. Уникален идентификационен код на типа на продукта: Würth Einschlagdübel W-ED (Würth ударен дюбел W-ED)
   Арт. № 0904010*; 0904040*; 0904030*
2. Предвидена употреба/употреби: Дюбел с разтваряне с контролиран ход за използване като многократно закрепване на неносещи системи в бетон
3. Производител: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Система (и) за оценка и проверка на постоянството на експлоатационните показатели: Система 2+
5. Европейски документ за оценяване: ETAG 001 Част 6 – август 2010
   Европейска техническа оценка: ETA-05/0120 - 14.2.2017 г.
   Орган за техническа оценка: Deutsches Institut für Bautechnik (DIBt), Berlin
   Нотифициран(и) орган(и): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Деклариран(и) експлоатационен(и) показател(и):

Основни характеристики	**Експлоатационни показатели**	**Хармонизирана техническа спецификация**
Противопожарна защита (BWR 2)		ETA-05/ 0120 ETAG 001 Част 6 – август 2010
Реакция на огън	Клас A1	
Огнеустойчивост	Вижте приложение C4 до C5	
Безопасност при използване (BWR 4)		
Характерни стойности за статични и квазистатични въздействия	Вижте приложение C1 до C3	

Експлоатационните показатели на продукта, посочен по-горе, са в съответствие с декларираните експлоатационни показатели. Отговорност за издаването на декларацията за експлоатационни показатели носи изцяло производителят в съответствие с Регламент на (ЕС) № 305/2011.

Подписана за производителя и от името на производителя от:

Франк Волперт
(Прокурист - мениджър Пазар)

Д-р. инж. Зигфрид Байхтер
(Прокурист мениджър Качество)

Кюнцелзау, 01.3.2021 г.

PROHLÁŠENÍ O VLASTNOSTECH

Č. LE_090401006_03_M_W-ED(2)

Jedná se o verzi přeloženou z němčiny.
V případě pochybností platí německý originál

1. Jednoznačný identifikační kód typu výrobku: Narážecí hmoždinka Würth W-ED
   Č. výr. 0904010*; 0904040*; 0904030*
2. Zamýšlené/zamýšlená použití: Rozpěrná hmoždinka s kontrolovaným rozpíráním pro použití ke kombinovanému upevnění nenosných systémů do betonu
3. Výrobce: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Systém(y) pro hodnocení a kontrolu stálosti vlastností: Systém 2+
5. Evropský dokument pro posuzování: ETAG 001, část 6 – srpen 2010
   Evropské technické schválení: ETA-05/0120 – 14. 02. 2017
   Pracoviště pro technické posuzování: Deutsches Institut für Bautechnik, Berlin (DIBt, Německý institut pro stavební techniku v Berlíně)
   Oznámený subjekt/oznámené subjekty: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Deklarovaná vlastnost/deklarované vlastnosti:

Podstatné charakteristické vlastnosti	**Vlastnost**	**Harmonizovaná technická specifikace**
Požární ochrana (BWR 2)		ETA-05/0120 ETAG 001, část 6 – srpen 2010
Reakce na oheň	Třída A1	
Požární odolnost	Viz přílohu C4 až C5	
Bezpečnost při použití (BWR 4)		
Charakteristické hodnoty pro statické a kvazistatické účinky	Viz přílohu C1 až C3	

Vlastnosti výše uvedeného výrobku jsou ve shodě se souborem deklarovaných vlastností. Za vyhotovení prohlášení o vlastnostech v souladu s nařízením (EU) č. 305/2011 je odpovědný výhradně výše uvedený výrobce.

Podepsal za výrobce a jeho jménem:

Frank Wolpert
(zmocněnec – ředitel oddělení trhu)

Dr.-Ing. Siegfried Beichter
(zmocněnec – ředitel oddělení jakosti)

Künzelsau, 01. 03. 2021

YDEEVNEDEKLARATION

Nr. LE_090401006_03_M_W-ED(2)

Denne version er oversat fra tysk.
I tvivlstilfælde gælder den tyske original

1. Produkttypens entydige identifikationskode: Würth rawlplug W-DN til at slå ind
   Art.-nr. 0904010*; 0904040*; 0904030*
2. Anvendelsesformål: Vejkontrolleret spredende dyvel til brug som flerdobbelt fastgørelse af ikke bærende systemer i beton
3. Producent: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. System(er) til bedømmelse og kontrol af ydelsesbestandigheden: System 2+
5. Europæisk vurderingsdokument: ETAG 001, del 6 – august 2010
   Europæisk teknisk bedømmelse: ETA-05/0120 – 14.02.2017
   Teknisk evalueringsmyndighed: Deutsches Institut für Bautechnik (DIBt), Berlin
   Notificeret myndighed/notificerede myndigheder: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Deklareret ydeevne/deklarerede ydeevner:

Væsentlige egenskaber	**Ydelse**	**Harmoniseret teknisk specifikation**
Brandsikkerhed (BWR 2)		ETA-05/0120 ETAG 001, del 6 – august 2010
Brandreaktion	Klasse A1	
Brandmodstand	Se appendiks C4 til C5	
Sikkerhed ved brugen (BWR 4)		
Karakteristiske værdier til statiske og kvasistatiske påvirkninger	Se appendiks C1 til C3	

Det ovenstående produkts ydeevne svarer til den deklarerede ydeevne/de deklarerede ydeevner. For udstedelsen af ydeevnedeklarationen i henhold til forordning (EU) nr. 305/2011 er udelukkende ovenstående producent ansvarlig.

Underskrevet for og på vegne af producenten af:

Frank Wolpert
(Prokurist – Leder af markedsafdelingen)

Dr.-ing. Siegfried Beichter
(Prokurist – Leder af kvalitetsafdelingen)

Künzelsau, den 01.03.2021

LEISTUNGSERKLÄRUNG

Nr. LE_090401006_03_M_W-ED(2)

1. Eindeutiger Kenncode des Produkttyps: Würth Einschlagdübel W-ED
   Art.-Nr. 0904010*; 0904040*; 0904030*
2. Verwendungszweck(e): Wegkontrolliert spreizender Dübel für die Verwenndung als Mehrfachbefestigung von nichttragenden Systemen in Beton
3. Hersteller: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit: System 2+
5. Europäisches Bewertungsdokument: ETAG 001, Teil 6 – August 2010
   Europäische Technische Bewertung: ETA-05/0120 – 14.02.2017
   Technische Bewertungsstelle: Deutsches Institut für Bautechnik (DIBt), Berlin
   Notifizierte Stelle(n): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Erklärte Leistung(en):

Wesentliche Merkmale	**Leistung**	**Harmonisierte technische Spezifikation**
Brandschutz (BWR 2)		ETA-05/0120 ETAG 001, Teil 6 – August 2010
Brandverhalten	Klasse A1	
Feuerwiderstand	Siehe Anhang C4 bis C5	
Sicherheit bei der Nutzung (BWR 4)		
Charakteristische Werte für statische und quasistatische Einwirkungen	Siehe Anhang C1 bis C3	

Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich.

Unterzeichnet für den Hersteller und im Namen des Herstellers von:

Frank Wolpert
(Prokurist – Leiter Bereich Markt)

Dr. -Ing. Siegfried Beichter
(Prokurist - Leiter Qualität)

Künzelsau, den 01.03.2021

DECLARACIÓN DE PRESTACIONES

N.° LE_090401006_03_M_W-ED(2)

Esta versión está traducida del alemán.
En caso de duda es aplicable el original alemán

1. Código de identificación única del producto tipo: Taco de impacto Würth W-ED
   N.° de art. 0904010*; 0904040*; 0904030*
2. Uso(s) previsto(s): Taco de expansión controlado por el recorrido para la fijación múltiple de sistemas no portantes de hormigón
3. Fabricante: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sistema(s) de evaluación y verificación de la constancia de las prestaciones: Sistema 2+
5. Documento de evaluación europeo: ETAG 001, Parte 6 – agosto 2010
   Evaluación Técnica Europea: ETA-05/0120 – del 14/02/2017
   Organismo de Evaluación Técnica: Deutsches Institut für Bautechnik (Instituto Alemán de Tecnología de la Construcción), Berlín
   Organismo(s) notificado(s): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Prestaciones declaradas:

Características esenciales	**Prestación**	**Especificaciones técnicas armonizadas**
Protección contra incendios (BWR 2)		ETA-05/0120 ETAG 001, Parte 6 – agosto 2010
Reacción al fuego	Clase A1	
Resistencia al fuego	Véanse los anexos del C4 al C5	
Seguridad durante el uso (BWR 4)		
Valores característicos para efectos estáticos y casi estáticos	Véanse los anexos del C1 al C3	

Las prestaciones del producto identificado anteriormente son conformes con el conjunto de prestaciones declaradas. La presente declaración de prestaciones se emite de conformidad con el Reglamento (UE) n.° 305/2011, bajo la sola responsabilidad del fabricante arriba identificado.

Firmado por y en nombre del fabricante por:

Frank Wolpert
(Apoderado – Director del área comercial)

Dr. –Ing. Siegfried Beichter
(Apoderado – Director de calidad)

Künzelsau, el 01/03/2021

TOIMIVUSDEKLARATSIOON

Nr LE_090401006_03_M_W-ED(2)

Tegemist on saksa keelest tõlgitud versiooniga.
Kahtluste korral kehtib saksakeelne originaaltekst

1. Tootetüübi kordumatu identifitseerimiskood: Würthi lööktüübel W-ED
   Art.-nr 0904010*; 0904040*; 0904030*
2. Ettenähtud kasutusotstarve või -otstarbed: Kontrollitult laienev tüübel kasutamiseks betoonis mittekandvate süsteemide mitmekordse kinnitusena
3. Tootja: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Toimivuse püsivuse hindamise ja kontrolli süsteem(id): Süsteem 2+
5. Euroopa hindamisdokument: ETAG 001, 6. osa – august 2010
   Euroopa tehniline hinnang: ETA-05/0120 – 14.02.2017
   Tehnilise hindamise asutus: Deutsches Institut für Bautechnik (DIBt), Berliin
   Teavitatud asutus(ed): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Deklareeritud toimivus(ed):

Põhiomadused	**Toimivus**	**Ühtlustatud tehniline kirjeldus**
Tulekaitse (BWR 2)		ETA-05/0120 ETAG 001, 6. osa – august 2010
Tuletundlikkus	Klass A1	
Tuletakistus	Vt lisa C4 kuni C5	
Ohutus kasutamisel (BWR 4)		
Iseloomulikud väärtused staatiliste ja poolstaatiliste mõjude jaoks	Vt lisa C1 kuni C3	

Eespool nimetatud toodete toimivus vastab deklareeritud toimivusele / deklareeritud toimivustele. Vastavusdeklaratsiooni koostamise eest kooskõlas määrusega (EL) nr 305/2011 vastutab ainuisikuliselt eespool nimetatud tootja.

Tootja poolt ja nimel allkirjastanud:

Frank Wolpert
(prokurist – turu valdkonna juht)

Dr. ins. Siegfried Beichter
(prokurist-kvaliteedijuht)

Künzelsau, 01.03.2021

SUORITUSTASOILMOITUS

Nro LE_090401006_03_M_W-ED(2)

Tämä on käännös saksankielisestä.
Epäilyksissä pätee saksankielinen alkuperäisilmoitus.

1. Tuotetyypin yksilöllinen tunniste: Würth lyöntiankkuri W-ED
   Tuote-nro 0904010*; 0904040*; 0904030*
2. Aiottu käyttötarkoitus (aiotut käyttötarkoitukset): Vääntymistarkistettu kiila-ankkuri käytettäväksi monitoimiankkurina ei-kantaviin betonirakenteisiin
3. Valmistaja: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau, Saksa
4. Suoritustason arvioinnin ja tarkistamisen järjestelmä(t): Järjestelmä 2+
5. Eurooppalainen arviointidokumentti: ETAG 001, osa 6– elokuu 2010
   Eurooppalainen tekninen arviointi: ETA-05/0120 – 14.2.2017
   Teknisestä arvioinnista vastaava laitos: Deutsches Institut für Bautechnik (DIBt; Saksan rakennustekninen instituutti), Berliini
   Ilmoitettu laitos / ilmoitetut laitokset: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW; teräsrakenneteollisuuden ja materiaalimekaniikan instituutti), Darmstadt
6. Ilmoitettu suoritustaso/ilmoitetut suoritustasot:

Perusominaisuudet	**Suoritustaso**	**Yhdenmukaistetut tekniset eritelmät**
Palosuoja (BWR 2)		ETA-05/0120 ETAG 001, osa 6 – elokuu 2010
Palokäyttäytyminen	Luokka A1	
Palonkestävyys	Katso liitteet C4 - C5	
Käyttöturvallisuus (BWR 4)		
Ominaisarvot staattisille- ja kvasistaattisille vaikutuksille	Katso liitteet C1 - C3	

Edellä yksilöidyn tuotteen suoritustaso on ilmoitettujen suoritustasojen joukon mukainen. Tämä suoritustasoilmoitus on asetuksen (EU) N:o 305/2011 mukaisesti annettu edellä ilmoitetun valmistajan yksinomaisella vastuulla.

Valmistajan puolesta allekirjoittanut:

Frank Wolpert
(Prokuristi - markkinapäällikkö)

TkT Siegfried Beichter
(Prokuristi - laadunjohtaja)

Künzelsau, 01.03.2021

DÉCLARATION DE PERFORMANCES

N° LE_090401006_03_M_W-ED(2)

Il s'agit ici de la version traduite à partir de l'allemand.
En cas de doute, la version allemande fait foi

1. Code d'identification unique du produit type : Cheville d'impact de béton Würth W-ED
   N° de réf. 0904010*; 0904040*; 0904030*
2. Usage(s) prévu(s) : Cheville à expansion contrôlée en course, à utiliser comme fixation multiple de systèmes non porteurs dans le béton
3. Fabricant : Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 – 17
   D – 74653 Künzelsau
4. Système(s) d'évaluation et de vérification de la constance des performances : Système 2+
5. Document d'évaluation européen : ETAG 001, partie 6 – août 2010
   Évaluation technique européenne : ETA-05/0120 – 14/02/2017
   Organisme d'évaluation technique : Deutsches Institut für Bautechnik (DIBt), Berlin
   Organisme(s) notifié(s) : 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Performance(s) déclarée(s) :

Caractéristiques essentielles	**Performance**	**Spécification technique harmonisée**
Protection incendie (BWR 2)		ETA-05/0120 ETAG 001, partie 6 – août 2010
Réaction au feu	Classe A1	
Résistance au feu	Voir les annexes C4 à C5	
Sécurité d'utilisation (BWR 4)		
Valeurs caractéristiques pour la résistance statique et quasi-statique Influences	Voir les annexes C1 à C3	

La performance du produit susmentionné correspond à la performance / aux performances déclarée(s). Conformément au règlement (UE) N°305/2011, la présente déclaration des performances est établie sous la seule responsabilité du fabricant mentionné ci-dessus.

Signée pour le fabricant et en son nom par :

Frank Wolpert
(Fondé de pouvoir – Directeur domaine Marché)

Dr. –Ing. Siegfried Beichter
(Fondé de pouvoir – Directeur Qualité)

Künzelsau, le 01/03/2021

DEARBHÚ FEIDHMÍOCHTA

Uimh. LE_090401006_03_M_W-ED(2)

Is é seo an leagan a aistríodh ón nGearmáinis.
Má tá aon amhras ort tá feidhm ag an bunleagan Gearmáinise

1. Cód aitheantais uathúil an chineáil táirge: Dual dingeach Würth W-ED
   Uimh.Earra: 0904010*; 0904040*; 0904030*
2. Úsáid(í) b(h)eartaithe: Dual leathnaithe le húsáid mar cheangal iolrach ar chórais nach bhfuil ualach orthu i gcoincréit
3. Déantúsóir: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Córa(i)s chun seasmhacht feidhmíochta a mheas agus a scrúdú: Córas 2+
5. Doiciméad Measúnaithe Eorpach: ETAG 001, Cuid 6 – Lúnasa 2010
   Measúnú Teicniúil Eorpach: ETA-05/0120 - 14/02/2017
   Ionad Measúnaithe Teicniúil: Deutsches Institut für Bautechnik, DIBt (Ionad Teicníocht Tógála na Gearmáine), Beirlín
   Iona(i)d dá dtugtar fógra: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Institiúid um Fhoirgníocht Chruach agus Meicníocht Ábhair (IFSW), Darmstadt
6. Feidhmíocht(aí) d(h)earbhaithe:

Príomhthréithe	**Feidhmíocht**	**Sonraíocht theicniúil chomhchuibhithe**
Cosaint dóiteáin (BWR 2)		ETA-05/0120 ETAG 001, cuid 6 - Lúnasa 2010
Iompar i gcás dóiteáin	Aicme A1	
Friotaíocht i gcoinne tine	Féach iarscríbhinn C4 go C5	
Sábháilteacht in úsáid (BWR 4)		
Luachanna saintréitheacha le haghaidh éifeachtaí statacha agus cuasastatacha	Féach Iarscríbhinn C1 go C3	

Tá feidhmíocht an táirge thuas ag teacht leis an bhfeidhmíocht dhearbhaithe/na feidhmíochtaí dearbhaithe. Is ar an déantúsóir thuasluaite amháin atá an fhreagracht Dearbhú Feidhmíochta a dhéanamh de réir Rialacháin (AE) Uimh. 305/2011.

Sínithe ar son agus thar ceann an déantúsóra ag:

Frank Wolpert
(Oifigeach Údaraithe - Ceann na Roinne Margaidh)

Dr. –Ing. Siegfried Beichter
(Oifigeach Údaraithe - Stiúrthóir Cáilíochta)

Künzelsau, 01/03/ 2021

ΔΗΛΩΣΗ ΕΠΙΔΟΣΕΩΝ

Αρ. LE_090401006_03_M_W-ED(2)

Πρόκειται για την έκδοση μεταφρασμένη από τα γερμανικά.
Σε περίπτωση αμφιβολιών, ισχύει το γερμανικό πρωτότυπο

1. Μοναδικός κωδικός αναγνώρισης του τύπου του προϊόντος: Καρφωτό αγκύριο Würth W-ED
   Αρ. είδ. 0904010*; 0904040*; 0904030*
2. Σκοπός (-οί) χρήσης: Εκτονούμενο αγκύριο ελεγχόμενης διαδρομής για χρήση ως πολλαπλή στερέωση μη φερόντων συστημάτων σε σκυρόδεμα
3. Κατασκευαστής: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Σύστημα (-τα) για την αξιολόγηση και τον έλεγχο της διατήρησης της επίδοσης: Σύστημα 2+
5. Ευρωπαϊκό έντυπο αξιολόγησης: ETAG 001, μέρος 6 – Αύγουστος 2010
   Ευρωπαϊκή τεχνική αξιολόγηση: ETA-05/0120 – 14.02.2017
   Οργανισμός τεχνικής αξιολόγησης: Deutsches Institut für Bautechnik (DIBt), Βερολίνο
   Κοινοποιημένος οργανισμός (-οί): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Δηλωμένη επίδοση (-εις):

Σημαντικά χαρακτηριστικά	**Επίδοση**	**Εναρμονισμένες τεχνικές προδιαγραφές**
Πυροπροστασία (BWR 2)		ETA-05/0120 ETAG 001, μέρος 6 – Αύγουστος 2010
Συμπεριφορά σε πυρκαγιά	Κατηγορία A1	
Αντοχή σε πυρκαγιά	Βλέπε παράρτημα C4 έως C5	
Ασφάλεια κατά τη χρήση (BWR 4)		
Χαρακτηριστικές τιμές για στατικές και οιονεί στατικές επιδράσεις	Βλέπε παράρτημα C1 έως C3	

Η επίδοση του προαναφερόμενου προϊόντος αντιστοιχεί στη δηλωμένη επίδοση/στις δηλωμένες επιδόσεις. Για τη σύνταξη της δήλωσης επιδόσεων σε συμμόρφωση με τον κανονισμό (ΕΕ) αρ. 305/2011 ο μόνος υπεύθυνος είναι ο προαναφερόμενος κατασκευαστής.

Υπογράφεται για τον κατασκευαστή και εν ονόματι του κατασκευαστή από:

Frank Wolpert
(Γενικός εμπορικός πληρεξούσιος – Διευθυντής τμήματος αγοράς)

Dr. –Ing. Siegfried Beichter
(Γενικός εμπορικός πληρεξούσιος - Διευθυντής ποιότητας)

Künzelsau, την 01.03.2021

IZJAVA O SVOJSTVIMA

Br. LE_090401006_03_M_W-ED(2)

Ova je verzija teksta prevedena s njemačkog.
U slučaju dvojbe original na njemačkom ima prednost

1. Jedinstvena identifikacijska oznaka tipa proizvoda: Würth udarni zatik W-ED
   Br. art.: 0904010*; 0904040*; 0904030*
2. Namjena(e): Razuporni zatik kontroliran putem za upotrebu kao višestruko pričvršćenje nenosivih sustava u beton
3. Proizvođač: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sustav/i za ocjenjivanje i provjeru postojanosti svojstava: Sustav 2+
5. Europski dokument za ocjenjivanje: ETAG 001 , dio 6. – kolovoz 2010.
   Europska tehnička ocjena: ETA-05/0120 – 14.2.2017.
   Tijelo za tehničku ocjenu: Njemački institut građevinarstva (DIBt), Berlin
   Prijavljeno/a tijelo/a: 2873, Institut za čelične konstrukcije i mehaniku materijala (IFSW), Darmstadt
6. Navedeno svojstvo/a:

Bitna obilježja	**Svojstvo**	**Usklađene tehničke specifikacije**
Zaštita od požara (BWR 2)		ETA-05/0120 ETAG 001, dio 6 – kolovoz 2010.
Ponašanje u slučaju požara	Klasa A1	
Otpornost na požar	Vidi priloge C4 do C5	
Sigurnost prilikom upotrebe (BWR 4)		
Karakteristične vrijednosti za statička i kvazistatička djelovanja	Vidi priloge C1 do C3	

Svojstvo gore navedenog proizvoda odgovara navedenom svojstvu / navedenim svojstvima. Za izradu Izjave o svojstvima prema Odredbi (EU) br. 305/2011 isključivo je odgovoran gore navedeni proizvođač.

Potpisano za i u ime proizvođača od strane:

Frank Wolpert
(Prokurist – voditelj odjela za tržište)

Dr. – Ing. Siegfried Beichter
(Prokurist – voditelj za kvalitetu)

Künzelsau, 1. 3. 2021.

TELJESÍTMÉNYNYILATKOZAT

LE_090401006_03_M_W-ED(2) sz.

Ez a német nyelvről lefordított változat.
Kétség esetén a német nyelvű eredeti az érvényes.

1. A terméktípus egyedi azonosító kódja: Würth W-ED beütődübel
   Cikksz.: 0904010*; 0904040*; 0904030*
2. Felhasználási cél(ok): Útszabályozottan terpesztő dübel többszörös rögzítésként való felhasználáshoz nem teherhordó rendszerekhez betonban
3. Gyártó: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. A teljesítményállandóság értékelésére és ellenőrzésére szolgáló rendszer(ek): 2+ rendszer
5. Európai értékelési dokumentum: ETAG 001, 6. rész – 2010. augusztus
   Európai Műszaki Értékelés: ETA-05/0120 – 2017.02.14.
   Műszaki értékelő szervezet: Deutsches Institut für Bautechnik (DIBt), Berlin
   Bejelentett szerv(ek): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Nyilatkozatban szereplő teljesítmény(ek):

Lényeges jellemzők	**Teljesítmény**	**Harmonizált műszaki specifikáció**
Tűzvédelem (BWR 2)		ETA-05/0120 ETAG 001, 6. rész – 2010. augusztus
Tűzzel szembeni viselkedés	A1 osztály	
Tűzállóság	Lásd a C4 – C5 mellékleteket	
Biztonság a használat során (BWR 4)		
Jellemző értékek statikus és kvázi-statikus hatások esetén	Lásd a C1 – C3 mellékleteket	

A fent megnevezett termék teljesítménye megfelel a teljesítménynyilatkozatban rögzített teljesítménynek/teljesítményeknek. A 305/2011 sz. EU rendelet előírásai alapján készült teljesítménynyilatkozat összeállítása kizárólag a fent nevezett gyártó felelőssége.

A gyártó képviseletében és nevében aláírta:

Frank Wolpert
(cégvezető – piac szakterület vezetője)

Dr. –Ing. Siegfried Beichter
(cégvezető – minőségügyi vezető)

Künzelsau, 2021.03.01.

DICHIARAZIONE DI PRESTAZIONE

N. LE_090401006_03_M_W-ED(2)

La presente è la versione tradotta dal tedesco.
In caso di incertezze si considera valido l'originale in tedesco

1. Codice di identificazione unico del prodotto-tipo: Würth Einschlagdübel W-ED (Tassello a percussione Würth W-ED)
   Art. n. 0904010*; 0904040*; 0904030*
2. Utilizzo/i previsto/i: Tassello ad espansione a percorso controllato per l'utilizzo come fissaggio multiplo di sistemi non portanti nel calcestruzzo
3. Azienda produttrice: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sistema/i di valutazione e verifica della prestazione: Sistema 2+
5. Documento per la Valutazione Europea: ETAG 001, Parte 6 – agosto 2010
   Valutazione tecnica europea: ETA-05/0120 – 14.02.2017
   Organismo di valutazione tecnica: Deutsches Institut für Bautechnik (DIBt), Berlino
   Organismo/i notificato/i: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Prestazione/i dichiarata/e:

Caratteristiche essenziali	**Prestazione**	**Norma tecnica armonizzata**
Sicurezza in caso di incendio (BWR 2)		ETA-05/0120 ETAG 001, Parte 6 – agosto 2010
Reazione al fuoco	Classe A1	
Resistenza al fuoco	Si vedano Allegati da C4 a C5	
Sicurezza e accessibilità nell'uso (BWR 4)		
Valori caratteristici dei carichi statici e quasi statici	Si vedano Allegati da C1 a C3	

La prestazione del prodotto di cui sopra è conforme alla prestazione dichiarata/alle prestazioni dichiarate. Si rilascia la presente dichiarazione di prestazione ai sensi del Regolamento (UE) N. 305/2011 sotto la responsabilità esclusiva del suddetto fabbricante.

Firmato a nome e per conto del fabbricante da:

Frank Wolpert
(Procuratore – Responsabile Settore Mercato)

Dr. –Ing. Siegfried Beichter
(Procuratore - Responsabile Qualità)

Künzelsau, 01.03.2021

EKSPLOATACINIŲ SAVYBIŲ DEKLARACIJA

Nr. LE_090401006_03_M_W-ED(2)

Tai yra vertimas iš vokiečių kalbos.
Kilus abejonių, vadovautis originalu vokiečių kalba.

1. Produkto tipo unikalus atpažinimo kodas: „Würth" fiksavimo kaištis W-ED
   Prekės Nr. 0904010*; 0904040*; 0904030*
2. Naudojimo paskirtis (-ys): Kontroliuojamos apkrovos plėtimo kaištis, skirtas daugkartiniam nelaikančiųjų sistemų tvirtinimui betone
3. Gamintojas: „Adolf Würth GmbH & Co. KG"
   Reinhold-Würth-Str. 12–17
   D – 74653 Kiuncelsau
4. Eksploatacinių savybių atsparumo įvertinimo ir patikrinimo sistema (-os): 2+ sistema
5. Europos įvertinimo dokumentas: ETAG 001, 6 dalis – 2010 m. rugpjūtis
   Europos techninis įvertinimas: ETA-05/0120, atliktas 2017.02.14
   Techninio vertinimo įstaiga: „Deutsches Institut für Bautechnik (DIBt)", Berlynas
   Notifikuotoji (-osios) įstaiga (-os): 2873, „Institut für Stahlbau und Werkstoffmechanik" (IFSW), Darmštatas
6. Deklaruojama (-os) eksploatacinė (-s) savybė (-s):

Pagrindinės charakteristikos	**Eksploatacinės savybės**	**Darnusis techninis standartas**
Priešgaisrinė apsauga (BWR 2)		ETA-05/0120 ETAG 001, 6 dalis – 2010 m. rugpjūtis
Degumas	A1 klasė	
Atsparumas ugniai	Žr. priedą nuo C4 iki C5	
Saugumas naudojimo metu (BWR 4)		
Būdingos statinės ir kvazistatinės apkrovos vertės	Žr. priedą nuo C1 iki C3	

Turimos produkto eksploatacinės savybės atitinka deklaruotas eksploatacines savybes. Už eksploatacinių savybių deklaracijos, atitinkančios potvarkį (ES) Nr. 305/2011, sudarymą atsako tik nurodytas gamintojas.

Pasirašo gamintojas ir atstovas gamintojo vardu:

Frank Wolpert
(Įgaliotasis rinkos vadovas)

Dr. inž. Siegfried Beichter
(Įgaliotasis kokybės vadovas)

Kiuncelsau, 2021-03-01

EKSPLUATĀCIJAS ĪPAŠĪBU DEKLARĀCIJA

Nr. LE_090401006_03_M_W-ED(2)

Šī ir no vācu valodas tulkota dokumenta versija.
Šaubu gadījumā spēkā ir oriģināls vācu valodā

1. Unikālais izstrādājuma tipa identifikācijas numurs: Würth iedzenamais dībelis W-ED
   Preces Nr. 0904010*; 0904040*; 0904030*
2. Lietojuma mērķis(-i): Virzību kontrolējošs izplešanās dībelis izmantošanai vairākkārtīgai nenesošu sistēmu nostiprināšanai betonā
3. Ražotājs: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau (Kincelzava, Vācija)
4. Ekspluatācijas īpašību noturības novērtējuma un pārbaudes sistēma(-as): Sistēma 2+
5. Eiropas novērtējuma dokuments: ETAG 001, 6. daļa - 2010. g. augusts
   Eiropas Tehniskais novērtējums: ETA-05/0120 – 14.02.2017.
   Tehniskā novērtējuma iestāde: Deutsches Institut für Bautechnik (DIBt), Berlin (Berlīne)
   Paziņotā(-ās) iestāde(-es): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Darmštate)
6. Deklarētā(-ās) ekspluatācijas īpašība(-as):

Būtiskie raksturlielumi	**Ekspluatācijas īpašības**	**Saskaņotā tehniskā specifikācija**
Ugunsdrošība *(BWR 2)*		ETA-05/0120 ETAG 001, 6. daļa – 2010. g. augusts
Degšanas īpašības	A1 klase	
Ugunsizturība	skatīt C4 līdz C5 pielikumu	
Drošība lietošanas laikā (BWR 4)		
Raksturīgie parametri statiskai un kvazistatiskai iedarbībai	skatīt C1 līdz C3 pielikumu	

Šā produkta ekspluatācijas īpašības atbilst deklarētajai(-ām) ekspluatācijas īpašībai(-ām). Par ekspluatācijas īpašību deklarācijas sagatavošanu saskaņā ar Regulu (ES) Nr. 305/2011 ir atbildīgs tikai iepriekš minētais ražotājs.

Ražotāja un ražotāja pārstāvja paraksts:

Frank Wolpert (Franks Volperts)

(Prokūrists – Tirgus nodaļas vadītājs)

Dr. –Ing. Siegfried Beichter (Dr. ing. Zigfrīds Beihters)

(*Prokurist – Leiter Qualität* (prokūrists – kvalitātes sistēmas vadītājs))

Künzelsau (Kincelzava), 01.03.2021.

DIKJARAZZJONI TA' PRESTAZZJONI

Nru LE_090401006_03_M_W-ED(2)

Din hija l-verżjoni tradotta mill-Ġermaniż.
F'każ ta' dubju jgħodd id-dokument oriġinali bil-lingwa Ġermaniża

1. Kodiċi uniku ta' identifikazzjoni tat-tip tal-prodott: Würth Ankra b'Feles W-ED
   Nru tal-oġġett 0904010*; 0904040*; 0904030*
2. Użu/i intenzjonat/i: Kavilja li tespandi b'deformazzjoni kkontrollata għall-użu bħala ankra għat-tqabbid multiplu f'sistemi tal-konkrit li ma jġorrux piż.
3. Manifattur: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sistema jew sistemi ta' valutazzjoni u verifika tal-kostanza ta' prestazzjoni: Sistema 2+
5. Dokument Ewropew ta' valutazzjoni: ETAG 001 Parti 6 – Awwissu 2010
   Valutazzjoni Teknika Ewropea: ETA-05/0120 – 14/02/2017
   Korp tal-valutazzjoni teknika: Deutsches Institut für Bautechnik (DIBt), Berlin
   Korp/i nnotifikat/i: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt, Germany
6. Prestazzjoni/jiet ddikjarata/i:

Karatteristiċi essenzjali	**Prestazzjoni**	**Speċifikazzjoni teknika armonizzata**
Protezzjoni kontra n-nar (BWR 2)		ETA-05/0120 ETAG 001 Parti 6 – Awwissu 2010
Reazzjoni għan-nar	Klassi A1	
Reżistenza kontra n-nar	Ara l-Annessi C4 sa C5	
Sigurtà fl-użu (BWR 4)		
Valuri karatteristiċi għal stress tensili u transversali	Ara l-Annessi C1 sa C3	

Il-prestazzjoni tal-prodott identifikat hawn fuq hija konformi mal-prestazzjonijiet iddikjarati. Din id-dikjarazzjoni ta' prestazzjoni hi maħruġa skont ir-Regolament (UE) Nru 305/2011 taħt ir-responsabbiltà unika tal-manifattur identifikat hawn fuq.

Iffirmat għal u f'isem il-manifattur minn:

Frank Wolpert
(Rapp. Awtorizzat - Kap, Qasam tal-Suq)

Dr. –Ing. Siegfried Beichter
(Rapp. Awtorizzat - Kap, Ġestjoni tal-Kwalità)

Künzelsau, 01/03/2021

PRESTATIEVERKLARING

Nr. LE_090401006_03_M_W-ED(2)

Dit is een uit het Duits vertaalde versie.
In twijfelgevallen geldt het Duitse origineel.

1. Eenduidige identificatiecode van het producttype: Würth slaganker W-ED
   Art.nr. 0904010*; 0904040*; 0904030*
2. Gebruiksdoel(en): Spreidend anker met wegcontrole voor gebruik als meervoudige bevestiging van niet-dragende systemen in beton
3. Fabrikant: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Systeem/systemen voor beoordeling en verificatie van de prestatiebestendigheid: Systeem 2+
5. Europees beoordelingsdocument: ETAG 001, deel 6 – augustus 2010
   Europese technische beoordeling: ETA-05/0120 – 14/02/2017
   Technische beoordelingsinstantie: Deutsches Institut für Bautechnik (DIBt), Berlijn
   Aangemelde instantie(s): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Vastgestelde prestatie(s):

Belangrijkste eigenschappen	**Prestatie**	**Geharmoniseerde technische specificatie**
Brandveiligheid (BWR 2)		ETA-05/0120 ETAG 001, deel 6 – augustus 2010
Brandgedrag	Klasse A1	
Brandweerstand	Zie bijlage C4 t/m C5	
Gebruiksveiligheid (BWR 4)		
Karakteristieke waarden voor statische en quasi-statische inwerkingen	Zie bijlage C1 t/m C3	

De prestatie van het bovenvermelde product voldoet aan de vastgestelde prestatie(s). Voor het opstellen van de prestatieverklaring overeenkomstig verordening (EU) nr. 305/2011 is uitsluitend de bovengenoemde fabrikant verantwoordelijk.

Ondertekend voor de fabrikant en in naam van de fabrikant door:

Frank Wolpert
(Procuratiehouder - Hoofd Marketing)

dr.-ing. Siegfried Beichter
(Procuratiehouder - Hoofd Kwaliteit)

Künzelsau, 01/03/2021

YTELSESERKLÆRING

Nr. LE_090401006_03_M_W-ED(2)

Dette er en versjon som er oversatt fra tysk.
Skulle det oppstå tvil, gjelder den tyske originalen

1. Entydig kode for produkttypen: Würth innslagsplugg W-ED
   Art.-nr. 0904010*; 0904040*; 0904030*
2. Bruksområde: Veikontrollert ekspanderende plugg for bruk som multifestemiddel av ikke-bærende systemer i betong
3. Produsent: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. System(er) til vurdering og kontroll av ytelsesbestandigheten: System 2+
5. Europeisk vurderingsdokument: ETAG 001, del 6 – august 2010
   Europeisk teknisk godkjenning: ETA-05/0120 – 14.02.2017
   Teknisk godkjenningsorgan: Deutsches Institut für Bautechnik, Berlin
   Teknisk(e) kontrollorgan(er): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt, Tyskland
6. Erklært(e) ytelse(r):

Vesentlige egenskaper	**Ytelse**	**Harmonisert teknisk spesifikasjon**
Brannvern (BWR 2)		ETA-05/0120 ETAG 001, del 6 – august 2010
Egenskaper ved brann	Klasse A1	
Brannmotstand	Se vedlegg C4 til C5	
Sikkerhet ved bruk (BWR 4)		
Karakteristiske verdier for statiske og nesten-statisk belastning	Se vedlegg C1 til C3	

Ytelsen til dette produktet tilsvarer den erklærte ytelsen / de erklærte ytelsene. Produsenten som er nevnt over, er eneansvarlig for at det lages en ytelseserklæring i henhold til forordningen (EU) nr. 305/2011.

Undertegnet for produsenten og på vegne av produsenten:

Frank Wolpert
(prokurist – leder området marked)

Dr. ing. Siegfried Beichter
(prokurist – leder kvalitet)

Künzelsau, den 01.03.2021

DEKLARACJA WŁAŚCIWOŚCI UŻYTKOWYCH

Nr LE_090401006_03_M_W-ED(2)

Ten dokument jest wersją przełożoną z języka niemieckiego.
W razie wątpliwości obowiązuje wersja niemiecka.

1. Niepowtarzalny kod identyfikacyjny typu produktu: Würth kołek wbijany W-ED
   Nr artykułu 0904010*; 0904040*; 0904030*
2. Przeznaczenie: kołek rozporowy o kontrolowanej drodze do zastosowania w roli wielokrotnych mocowań nienośnych systemów w betonie
3. Producent: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. System (systemy) oceny i weryfikacji stałości właściwości użytkowych: System 2+
5. Europejski dokument oceny: ETAG 001, część 6 – sierpień 2010 r.
   Europejska Ocena Techniczna: ETA-05/0120 – 2017-02-14
   Placówka sporządzająca ocenę techniczną: Deutsches Institut für Bautechnik (DIBt), Berlin
   Jednostka/-i notyfikowana/-e: 2873, Institut für Stahlbau und Werkstoffmechanik (Instytut konstrukcji stalowych i mechaniki tworzyw), Darmstadt
6. Deklarowane właściwości użytkowe:

Istotne cechy	**Właściwości użytkowe**	**Zharmonizowana specyfikacja techniczna**
Ochrona przeciwpożarowa (BWR 2)		ETA-05/0120 ETAG 001, część 6 – sierpień 2010
Klasyfikacja ogniowa	Klasa A1	
Odporność ogniowa	Patrz załącznik C4 do C5	
Bezpieczeństwo przy użyciu (BWR 4)		
Wartości charakterystyczne dla oddziaływań statycznych i quasi statycznych	Patrz załącznik C1 do C3	

Właściwości użytkowe powyższego produktu pokrywają się z deklarowanymi właściwościami użytkowymi. Za sporządzenie deklaracji właściwości użytkowych zgodnie z rozporządzeniem (UE) nr 305/2011 odpowiedzialny jest wyłącznie wyżej wymieniony producent.

Podpisano za producenta i w jego imieniu:

Frank Wolpert
(Prokurent – Kierownik działu ds. rynku)

Dr inż. Siegfried Beichter
(Prokurent - Kierownik działu jakości)

Künzelsau, dnia 01.03.2021 r.

DECLARAÇÃO DE DESEMPENHO

N.º LE_090401006_03_M_W-ED(2)

Versão traduzida da versão alemã.
Em caso de dúvida, é válido o original em alemão

1. Código de identificação inequívoco do tipo de produto: Bucha de impacto W-ED Würth
   N.° art. 0904010*; 0904040; 0904030*
2. Fim/fins de utilização: Bucha de expansão, de deformação controlada, para utilização como fixação múltipla de sistemas não portantes em betão
3. Fabricante: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sistema(s) para avaliação e verificação da constância do desempenho: Sistema 2+
5. Documento de Avaliação Europeu: ETAG 001, parte 6 – Agosto de 2010
   Avaliação Técnica Europeia: ETA-05/0120 – 14.02.2017
   Organismo de Avaliação Técnica: Deutsches Institut für Bautechnik (DIBt), Berlim
   Organismo(s) notificado(s): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Desempenho(s) declarado(s):

Características essenciais	**Desempenho**	**Especificação técnica harmonizada**
Proteção contra incêndio (BWR 2)		ETA-05/0120 ETAG 001, parte 6 – Agosto de 2010
Reação ao fogo	Classe A1	
Resistência ao fogo	Ver anexo C4 a C5	
Segurança de utilização (BWR 4)		
Valores característicos para cargas estáticas e quase estáticas	Ver anexo C1 a C3	

O desempenho do produto corresponde ao(s) desempenho(s) declarado(s). O fabricante acima mencionado é o único responsável pela elaboração da declaração de desempenho, em conformidade com o Regulamento (UE) n.° 305/2011.

Assinado pelo fabricante e em nome do fabricante de:

Frank Wolpert
(Procurador – Diretor do segmento do mercado)

Dr. Eng.° Siegfried Beichter
(Procurador - Diretor de qualidade)

Künzelsau, a 01.03.2021

DECLARAȚIE DE PERFORMANȚĂ

Nr. LE_090401006_03_M_W-ED(2)

Prezenta versiune este o traducere din limba germană.
În caz de dubiu, se aplică originalul în limba germană

1. Cod unic de identificare al tipului de produs: Diblu W-ED Würth
   Nr. art. 0904010*; 0904040*; 0904030*
2. Scopul sau scopurile de utilizare: Diblu de expansiune cu traseu controlat, pentru utilizare ca fixare multiplă a sistemelor neportante în beton
3. Producător: Adolf Würth GmbH & Co. KG
   Reinhold- Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Sistem(e) pentru evaluarea și verificarea constanței performanței: Sistem 2+
5. Document european de evaluare: ETAG 001, Partea 6 – August 2010
   Evaluare tehnică europeană: ETA-05/0120 – 14.02.2017
   Organism de evaluare tehnică: Deutsches Institut für Bautechnik (DIBt), Berlin (Institutul german pentru tehnica construcțiilor)
   Organism(e) notificat(e): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Institutul pentru construcții metalice și mecanica materialelor)
6. Performanța(e) declarată(e):

Caracteristici esențiale	**Performanță**	**Specificație tehnică armonizată**
Protecție contra incendiilor (BWR 2)		ETA-05/0120 ETAG 001, Partea 6 – August 2010
Comportament la incendiu	Clasa A1	
Rezistență la foc	A se vedea anexa C4 până la C5	
Siguranță în utilizare (BWR 4)		
Valori caracteristice pentru încărcări statice și cvazistatice	A se vedea anexa C1 până la C3	

Performanța produsului prezentat este în conformitate cu performanța declarată / performanțele declarate. Pentru realizarea declarației de performanță în conformitate cu Ordonanța (UE) nr. 305/2011, singurul responsabil este producătorul menționat mai sus.

Semnată pentru și în numele producătorului, de către:

Frank Wolpert
(Reprezentant legal – director departament marketing)

Dr. –Ing. Siegfried Beichter
(Reprezentant legal - director calitate)

Künzelsau, 01.03.2021

ДЕКЛАРАЦИЯ ХАРАКТЕРИСТИК

№ LE_090401006_03_M_W-ED(2)

Здесь речь идет о переведенной с немецкого языка версии.
В случае сомнений руководствоваться немецким оригиналом

1. Однозначная маркировка типа продукта: Забивной дюбель Würth W-ED
   Арт.№ 0904010*; 0904040*; 0904030*
2. Цель(и) применения: Дюбель с контролем перемещения для многократного закрепления ненесущих систем в бетоне
3. Изготовитель: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Система(ы) для оценки и проверки стабильности характеристик: Система 2+
5. Европейский оценочный документ: ETAG 001, Часть 6 – август 2010
   Европейская техническая оценка: ETA-05/0120 – 14.02.2017
   Орган технической оценки Уполномоченный(е) орган(ы): Германский институт строительных технологий (DIBt), Берлин 2873, Институт строительных конструкций и механики материалов (IFSW), Дармштадт
6. Заявленная(-ые) характеристика(-и):

Важные признаки	**Характеристика**	**Гармонизированная техническая спецификация**
Противопожарная защита (BWR 2)		ETA-05/0120 ETAG 001, Часть 6 – август 2010
Огнестойкость	Класс A1	
Огнестойкость	См. Приложения с C4 по C5	
Безопасность в использовании (BWR 4)		
Типичные значения при статических и квазистатических нагрузках	См. Приложения с C1 по C3	

Характеристика вышеприведенного продукта соответствует заявленной(-ым) характеристике/характеристикам. За составление декларации характеристик в соответствии с предписанием (EU) № 305/2011 отвечает исключительно вышеупомянутый изготовитель.

Подписано за изготовителя и от имени изготовителя:

Франк Вольперт
(Прокурист – Нач. отд. маркетинга)

Д-р-инж. Зигфрид Байхтер
(Прокурист - Нач. ОТК)

Кюнцельзау, 01.03.2021

VYHLÁSENIE O VÝKONNOSTI

Č. LE_090401006_03_M_W-ED(2)

Jedná sa tu o preloženú nemeckú verziu.
V prípade pochybností platí nemecký originál

1. Jednoznačný identifikačný kód typu: Zarážacia hmoždinka Würth W-ED
   Výr. č.: 0904010*; 0904040*; 0904030*
2. Účel(y) použitia: Rozpínacia hmoždinka kontrolujúca ťah na viacnásobné použitie nenosných systémov v betóne
3. Výrobca: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Systém (systémy) na posudzovanie a overovanie odolnosti parametrov: Systém 2+
5. Európsky vyhodnocovací dokument: ETAG 001 Časť 6 – august 2010
   Európske technické vyhodnotenie: ETA-05/0120 – 14.02.2017
   Pracovisko pre technické vyhodnotenie: Deutsches Institut für Bautechnik (Nemecký inštitút pre stavebnú techniku) (DIBt), Berlín
   Notifikovaný orgán(y): 2873, Ústav pre oceľové konštrukcie a mechaniku materiálov (IFSW), Darmstadt
6. Vlastnosť(i) uvedené vo vyhlásení:

Podstatné znaky	**Vlastnosť**	**Harmonizovaná technická špecifikácia**
Protipožiarna ochrana (BWR 2)		ETA-05/0120 ETAG 001, Časť 6 – august 2010
Reakcia látky pri požiari	Trieda A1	
Požiarna odolnosť	Pozri dodatok C4 až C5	
Bezpečnosť pri používaní (BWR 4)		
Charakteristické hodnoty pre statické a kvázistatické účinky	Pozri dodatok C1 až C3	

Vlastnosť vyššie uvedeného produktu zodpovedá vyhlásenej vlastnosti / vyhláseným vlastnostiam. Na vyhotovenie vyhlásenia o parametroch v súlade s nariadením (EÚ) č. 305/2011 je zodpovedný sám vyššie uvedený výrobca.

Podpísané pre výrobcu a v mene výrobcu:

Frank Wolpert
(Prokurista - vedúci oblasti trhu)

Dr. –Ing. Siegfried Beichter
(Prokurista - vedúci kvality)

Künzelsau, dňa 01.03.2021

IZJAVA O LASTNOSTIH

Št. LE_090401006_03_M_W-ED(2)

To besedilo je prevod iz nemščine.
Ob dvomu velja nemški izvirnik

1. Enotna identifikacijska oznaka tipa izdelka: Pritrdilni zatič Würth W-ED
   Št. art. 0904010*; 0904040*; 0904030*
2. Nameni uporabe: Vložki z nadzorovano potjo razširjanja za uporabo za večkratne pritrditve nenosilnih sistemov v betonu
3. Proizvajalec: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau, Nemčija
4. Sistemi za vrednotenje in preverjanje trajnosti lastnosti: Sistem 2+
5. Evropski ocenjevalni dokument: ETAG 001, del 6 – avgust 2010
   Evropsko tehnično vrednotenje: ETA-05/0120 – 14.02.2017
   Organ, ki je opravil tehnično vrednotenje: Deutsches Institut für Bautechnik (DIBt), Berlin
   Obveščeni organ: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Navedene lastnosti:

Bistvene značilnosti	**Lastnost**	**Harmonizirana tehnična specifikacija**
Protipožarna zaščita (BWR 2)		ETA-05/0120 ETAG 001, del 6 – avgust 2010
Požarne lastnosti	Razred A1	
Požarna odpornost	Glejte Priloge od C4 do C5	
Varnost pri uporabi (BWR 4)		
Značilne vrednosti za statične in skoraj statične obremenitve	Glejte Priloge od C1 do C3	

Lastnosti tega izdelka ustrezajo navedenim lastnostim. Za pripravo izjave o lastnostih po uredbi (EU) št. 305/2011 je odgovoren izključno zgoraj navedeni proizvajalec.

Podpis za proizvajalca in v njegovem imenu:

Frank Wolpert
(prokurist – vodja oddelka za trženje)

Dr. –Ing. Siegfried Beichter
(prokurist – vodja za kakovost)

Künzelsau, 1. 3. 2021

PRESTANDADEKLARATION

Nr. LE_090401006_03_M_W-ED(2)

Denna version är översatt från tyska.
I tveksamma fall gäller originalet på tyska.

1. Produkttypens unika identifikationskod: Würth slagplugg W-ED
   Art.-nr. 0904010*; 0904040*; 0904030*
2. Användningsändamål: Vägkontrollerad expansionsplugg för användning som multibefästning av ej bärande system i betong
3. Tillverkare: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. System för bedömning och kontroll av prestandabeständighet: System 2+
5. Europeiskt bedömningsdokument: ETAG 001, del 6 – augusti 2010
   Europeisk teknisk bedömning: ETA-05/0120 – 2017-02-14
   Tekniskt bedömningsorgan: Deutsches Institut für Bautechnik (DIBt), Berlin
   Notificerade organ: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Deklarerad prestanda:

Väsentliga egenskaper	**Prestanda**	**Harmoniserad teknisk specifikation**
Brandskydd (BWR 2)		ETA-05/0120 ETAG 001, del 6 – augusti 2010
Branduppförande	Klass A1	
Brandmotstånd	Se Bilaga C4 till C5	
Säkerhet vid användning (BWR 4)		
Karakteristiska värden för statisk och kvasistatisk påverkan	Se Bilaga C1 till C3	

Ovanstående produkts prestanda överensstämmer med den prestanda som anges. Denna prestandadeklaration utfärdas i överensstämmelse med förordning (EU) nr. 305/2011 på eget ansvar av ovanstående tillverkare.

Undertecknad för tillverkaren och på tillverkarens vägnar av:

Frank Wolpert
(Prokurist – Chef Område marknad)

Dr.-ing. Siegfried Beichter
(Prokurist - Chef Kvalitet)

Künzelsau, 2021-03-01

PERFORMANS BEYANI

No. LE_090401006_03_M_W-ED(2)

Bu metin, Almanca dilinden yapılmış bir çeviridir.
Şüpheli durumlarda Almanca orijinal metin geçerli olacaktır

1. Ürün tipinin açık kodu: Würth Çakma dübel W-ED
   Ürün No. 0904010*; 0904040*; 0904030*
2. Kullanma amacı (amaçları): Betonda taşıyıcı olmayan sistemlerin çoklu sabitleyicisi olarak kullanmak için deformasyonu kontrol edilmiş çelik dübel
3. Üretici: Adolf Würth GmbH & Co. KG
   Reinhold-Würth-Str. 12 - 17
   D – 74653 Künzelsau
4. Performansın sürdürülebilirliğinin değerlendirilmesi ve kontrolü için sistem(ler): Sistem 2+
5. Avrupa Değerlendirme Belgesi: ETAG 001, Bölüm 6 – Ağustos 2010
   Avrupa Teknik Değerlendirmesi: ETA-05/0120 – 14.02.2017
   Teknik Değerlendirme Kuruluşu: Deutsches Institut für Bautechnik (DIBt), Berlin
   Akredite kuruluş(lar): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Beyan edilen performans(lar):

Önemli özellikler	**Performans**	**Uyumlandırılmış teknik nitelik**
Yangından koruma (BWR 2)		ETA-05/0120 ETAG 001, Bölüm 6 – August 2010
Yangındaki tutum	Sınıf A1	
Yangına dayanıklılık	Bkz. Ek C4 ila C5	
Kullanmada güvenlik (BWR 4)		
Statik ve sözde statik için karakteristik değerler Etkiler	Bkz. Ek C1 ila C3	

Mevcut ürünün performansı, beyan edilen performansa/beyan edilen performanslara uygundur. Performans beyanının 305/2011 numaralı yönetmelikle (AB) uyumlu olarak oluşturulmasından üretici tek başına sorumludur.

Üretici için ve üretici adına imzalayan:

Frank Wolpert
(İmza yetkili pazarlar bölümü yöneticisi)

Dr. Müh. Siegfried Beichter
(İmzaya Yetkili Kalite Yöneticisi)

Künzelsau, 01.03.2021