



ETAG 001-5

13

1020

VYHLÁSENIE O PARAMETROCH

podľa prílohy III Nariadenia (EÚ) č. 305/2011 pre výrobok

Sika AnchorFix® -2

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1. Typ výrobku: Jedinečný identifikačný kód typu výrobku:	Sika AnchorFix® -
2. Typ, číslo výrobnej dávky alebo sériové číslo, alebo akýkoľvek iný prvok umožňujúci identifikáciu stavebného výrobku, ako sa vyžaduje podľa článku 11 ods. 4:	2 (číslo šarže – vid' údaj na balení)
3. Zamýšľané použitie alebo použitia stavebného výrobku, ktoré uvádza výrobca, v súlade s uplatniteľnou harmonizovanou technickou špecifikáciou:	Chemická injektovaná kotva pre kotvenie nerezových alebo pozinkovaných oceľových tyčí do betónu bez trhlín. Veľkosti: M8, M10, M12, M16, M20 a M24 Technická špecifikácia je uvedená v ETA-13/0968
4. Meno, registrované obchodné meno alebo registrovaná ochranná známka a kontaktná adresa výrobcu, ako sa vyžaduje podľa článku 11 ods. 5:	Sika AnchorFix® Sika Services AG Tüffenwies 16 CH-8048 Zürich Švajčiarsko
5. Kontaktná adresa: V prípade potreby meno a kontaktná adresa splnomocneného zástupcu, ktorého splnomocnenie zahŕňa úlohy vymedzené v článku 12 ods. 2:	Nie je relevantné (vid' článok 4)
6. Systém alebo systémy posudzovania a overovania nemennosti parametrov stavebného výrobku, ako sa uvádzajú v prílohe V:	Systém 1
7. Notifikovaná osoba (hEN): V prípade vyhlásenia o parametroch týkajúceho sa stavebného výrobku, na ktorý sa vzťahuje harmonizovaná norma:	Nie je relevantné (vid' článok 8)

8. Notifikovaná osoba (ETA):
 V prípade vyhlásenia o parametroch týkajúceho sa stavebného výrobku, na ktorý bolo vypracované európske technické posúdenie:

Notifikovaná osoba č. 1020 vydala ETA 13/0968 na základe ETAG 001 časť 5.

Notifikovaná osoba č. 1020 vykonala počiatočnú inšpekciu výrobného závodu a systému riadenia výroby a vykonáva priebežný dohľad nad systémom riadenia výroby a posudzovanie a hodnotenie systému riadenia výroby. Notifikovaná osoba vydala certifikát o zhode systému riadenia výroby č. 1020-CPD-090-030091.

9. Deklarované parametre

Table 4: Design method TR 029
 Characteristic values of resistance to tension load

Steel failure – Characteristic resistance								
Size			M8	M10	M12	M16	M20	M24
Steel grade 4.6	$N_{Rk,s}$	[kN]	15	23	34	63	98	141
Partial safety factor	γ_{Ms}	[-]	2					
Steel grade 5.8	$N_{Rk,s}$	[kN]	18	29	42	79	123	177
Partial safety factor	γ_{Ms}	[-]	1,5					
Steel grade 8.8	$N_{Rk,s}$	[kN]	29	46	67	126	196	282
Partial safety factor	γ_{Ms}	[-]	1,5					
Steel grade 10.9	$N_{Rk,s}$	[kN]	37	58	84	157	245	353
Partial safety factor	γ_{Ms}	[-]	1,4					
Stainless steel grade A4-70	$N_{Rk,s}$	[kN]	26	41	59	110	172	247
Partial safety factor	γ_{Ms}	[-]	1,9					
Stainless steel grade A4-80	$N_{Rk,s}$	[kN]	29	46	67	126	196	282
Partial safety factor	γ_{Ms}	[-]	1,6					
Stainless steel grade 1.4529	$N_{Rk,s}$	[kN]	26	41	59	110	172	247
Partial safety factor	γ_{Ms}	[-]	1,5					

Combined pullout and concrete cone failure in non-cracked concrete C20/25								
Size			M8	M10	M12	M16	M20	M24
Characteristic bond resistance	τ_{Rk}	[N/mm ²]	11	9,5	10	10	9	8
Partial safety factor	γ_{Mc}	[-]	1,8					
Factor for concrete C30/37			1,04					
Factor for concrete C40/50	ψ_c	[-]	1,07					
Factor for concrete C50/60			1,09					

Splitting failure								
Size			M8	M10	M12	M16	M20	M24
Edge distance	$c_{cr,sp}$	[mm]	1,5 h_{ef}					
Spacing	$s_{cr,sp}$	[mm]	3,0 h_{ef}					
Partial safety factor	γ_{Msp}	[-]	1,8					

Table 5: Design method TR 029
Characteristic values of resistance to shear load

Steel failure without lever arm							
Size		M8	M10	M12	M16	M20	M24
Steel grade 4.6	$V_{Rk,s}$ [kN]	7	12	17	31	49	71
Partial safety factor	γ_{Ms} [-]	1,67					
Steel grade 5.8	$V_{Rk,s}$ [kN]	9	15	21	39	61	88
Partial safety factor	γ_{Ms} [-]	1,25					
Steel grade 8.8	$V_{Rk,s}$ [kN]	15	23	34	63	98	141
Partial safety factor	γ_{Ms} [-]	1,25					
Steel grade 10.9	$V_{Rk,s}$ [kN]	18	29	42	79	123	177
Partial safety factor	γ_{Ms} [-]	1,5					
Stainless steel grade A4-70	$V_{Rk,s}$ [kN]	13	20	30	55	86	124
Partial safety factor	γ_{Ms} [-]	1,56					
Stainless steel grade A4-80	$V_{Rk,s}$ [kN]	15	23	34	63	98	141
Partial safety factor	γ_{Ms} [-]	1,33					
Stainless steel grade 1.4529	$V_{Rk,s}$ [kN]	13	20	30	55	86	124
Partial safety factor	γ_{Ms} [-]	1,25					

Steel failure with lever arm							
Size		M8	M10	M12	M16	M20	M24
Steel grade 4.6	$M_{Rk,s}^o$ [N.m]	15	30	52	133	260	449
Partial safety factor	γ_{Ms} [-]	1,66					
Steel grade 5.8	$M_{Rk,s}^o$ [N.m]	19	37	66	166	325	561
Partial safety factor	γ_{Ms} [-]	1,25					
Steel grade 8.8	$M_{Rk,s}^o$ [N.m]	30	60	105	266	519	898
Partial safety factor	γ_{Ms} [-]	1,25					
Steel grade 10.9	$M_{Rk,s}^o$ [N.m]	37	75	131	333	649	1123
Partial safety factor	γ_{Ms} [-]	1,50					
Stainless steel grade A4-70	$M_{Rk,s}^o$ [N.m]	26	52	92	233	454	786
Partial safety factor	γ_{Ms} [-]	1,56					
Stainless steel grade A4-80	$M_{Rk,s}^o$ [N.m]	30	60	105	266	519	898
Partial safety factor	γ_{Ms} [-]	1,33					
Stainless steel grade 1.4529	$M_{Rk,s}^o$ [N.m]	26	52	92	233	454	786
Partial safety factor	γ_{Ms} [-]	1,25					
Concrete pryout failure							
Factor k from TR 029		2					
Design of bonded anchors, Part 5.2.3.3							
Partial safety factor	γ_{Mp} [-]	1,5					

Concrete edge failure							
Size		M8	M10	M12	M16	M20	M24
See section 5.2.3.4 of Technical Report TR 029 for the Design of Bonded Anchors							
Partial safety factor	γ_{Mc} [-]	1,5					

Table 6: Displacement under tension and shear load

Anchor size			M8	M10	M12	M16	M20	M24
Tension load	F	[kN]	6,3	9,9	13,9	23,8	29,8	45,6
Displacement	δ_{N0}	[mm]	0,2	0,2	0,2	0,2	0,2	0,4
	$\delta_{N\infty}$	[mm]	0,4	0,4	0,4	0,4	0,4	0,4
Shear load	F	[kN]	5,2	8,3	12,0	22,4	35,0	50,4
Displacement	δ_{V0}	[mm]	2,0	2,0	2,0	2,0	2,0	2,0
	$\delta_{V\infty}$	[mm]	4,0	4,0	4,0	4,0	4,0	4,0

nečitateľný podpis
 Marco Poltera
 Corporate Product Engineer

nečitateľný podpis
 Paul Schelbert
 Material Group Manager Trading Products

Zürich, 09.07.2013

Informácie o ochrane životného prostredia, zdravia a bezpečnosti (REACH)

Podrobné informácie ohľadom bezpečnosti a ochrany zdravia ako aj podrobné preventívne opatrenia, ako napr. fyzikálne, toxikologické a ekologické údaje sú uvedené v karte bezpečnostných údajov materiálu.

Právne oznámenia

Informácie, a najmä odporúčania, vzťahujúce sa na aplikáciu a konečné využitie Sika produktov sa podávajú v dobrej viere vyplývajúcej zo súčasných poznatkov a skúseností s výrobkami pri správnom skladovaní, manipulácii a aplikácii za normálnych podmienok v súlade s doporučeniami Sika.

V praxi rozdiely v materiáloch, substrátoch a v skutočných podmienkach na stavbe sú také, že nemôže byť poskytnutá žiadna záruka, čo sa týka predajnosti alebo vhodnosti a použiteľnosti pre určitý účel, ani žiadny záväzok vyplývajúci z akéhokoľvek právneho vzťahu. Nemôže byť vyvozený žiadny záväzok ani z tejto informácie, ani zo žiadnych písomných odporúčaní alebo poskytnutých rád. Spracovávateľ produktu musí overiť vhodnosť produktu pre plánované použitie a účel. Sika si vyhradzuje právo na zmenu vlastností jej produktov.

Vlastnícke práva tretích strán musia byť dodržané. Všetky objednávky sa akceptujú podliehajú našim platným všeobecným a obchodným podmienkam. Užívatelia by sa mali vždy odvolávať na posledné vydanie miestnych produktových listov pre konkrétny výrobok.



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DECLARATION OF PERFORMANCE Sika AnchorFix®-2

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1. Product Type:

Unique identification code of the product-type: **Sika AnchorFix®-**

2. Type batch or serial number or any other element allowing identification of the construction product as required under Article 11(4): **2**
(batch nr. See cartridge)

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Bonded anchor made of galvanised steel or stainless steel for use in non cracked concrete**

Sizes: M8, M10, M12, M16, M20 and M24

Technical specification in reference: ETA-13/0968

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): **Sika AnchorFix®**
Sika Services AG
Tueffenwies 16
CH-8048 Zuerich
Switzerland

5. Contact Address: Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): **Not relevant (see 4)**

6. AVCP: System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **System 1**

7. Notified body: In case of the declaration of performance concerning a construction product covered by a harmonised standard: **Not relevant (see 8)**

Declaration of Performance



Declaration of Performance

8. Notified body:

In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Approval body 1020 issued an ETA 13/0968 on the basis of ETAG 001 Part 5.

Notified factory production control certification body No. 1020 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, system 1, and issued the certificate of conformity of the factory production control (FPC) 1020-CPD-090-030091.



9. Declared performance

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Factor k from TR 029			2					
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Partial safety factor	γ_{Mp}	[-]	1,5					

Concrete edge failure			M8	M10	M12	M16	M20	M24
Size								
See section 5.2.3.4 of Technical Report TR 029 for the Design of Bonded Anchors								
Partial safety factor	γ_{Mc}	[-]	1,5					

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Displacement	δ_{N0}	[mm]	0,2	0,2	0,2	0,2	0,2	0,4
	$\delta_{N\infty}$	[mm]	0,4	0,4	0,4	0,4	0,4	0,4
Shear load	F	[kN]	5,2	8,3	12,0	22,4	35,0	50,4
Displacement	δ_{V0}	[mm]	2,0	2,0	2,0	2,0	2,0	2,0
	$\delta_{V\infty}$	[mm]	4,0	4,0	4,0	4,0	4,0	4,0

10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Marco Poltera
Corporate Product Engineer



Paul Schelbert
Material Group Manager Trading Products

Zuerich, 09 July 2013

Ecology, Health and Safety Information (REACH)

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

Legal note:

This information is given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



For Further Information:
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