

fischer FIS RC II



ETA-22/0501, EAD-330499-01-0601,
Option 1 for cracked concrete



ETA-22/0502, EAD-330087-01-0601,
Post-installed rebar connection

ÉMISSIONS DANS L'AIR INTÉRIEUR



A+
A+ A B C

Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



fischer

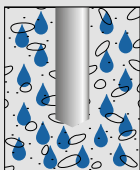
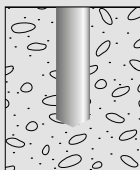
FIS RC II



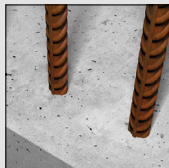
DE	Gebrauchsanweisung*	EL	Οδηγίες Εγκατάστασης
EN	Operating instructions	BG	Инструкции за инсталиране
FR	Mode d'emploi	RU	Инструкция по установке
NL	Montagehandleiding	UK	Інструкція з використання
IT	Istruzioni per l'installazione	KK	Қолдану нұсқаулығы
ES	Instrucciones de uso	ZH	使用说明书
PT	Instruções de utilização	JA	取扱説明書
DA	Installationsvejledning	KO	사용 설명서
SV	Installationsinstruktioner	HI	Panduan Penggunaan
NO	Installasjonsveiledning	AR	تعليمات الاستخدام
FI	Asennusohjeet		
IS	Notkunarleiðbeiningar		
ET	Kasutusjuhend		
LV	Lietošanas instrukcija		
LT	Naudojimo instrukcija		
PL	Instrukcja instalacji		
CS	Návod k instalaci		
SK	Návod na používanie		
HU	Szerelési útmutató		
RO	Instrucțiuni de utilizare		
SL	Navodila za namestitve		
HR	Upute za instalaciju		
SR	Uputstvo za instalaciju		
TR	Kurulum talimatları		

* Diese Montageanleitung beschreibt die Montage eines konstruktiven Bewehrungsanschlusses in Anlehnung an die Zulassung. Zur Ausführung eines zulassungskonformen Bewehrungsanschlusses benötigen Sie einen Eignungsnachweis.

Nähere Informationen finden Sie unter www.fischer.de oder unter der **Hotline 07443 12-4000** bzw. **0180 5202900**.



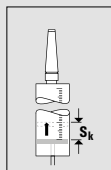
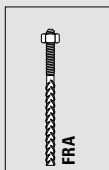
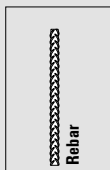
DE	Trockener Beton	Nasser Beton
EN	Dry concrete	Water saturated concrete
FR	Béton sec	Béton humide
NL	Droog beton	Met water verzadigd beton
IT	Calcestruzzo secco	Calcestruzzo saturo d'acqua
ES	Hormigón seco	Hormigón saturado de agua
PT	Betão seco	Betão saturado de água
DA	Tør beton	Vandmættet beton
SV	Torr betong	Vattenmättad betong
NO	Tørr betong	Vannmettet betong
FI	Kuiva betony	Veden kyllästämä betoni
IS	Purr steinsteypa	Blaut steinsteypa
ET	Kuivbetoon	Märgbetoon
LV	Sauss betons	Mitrš betons
LT	Sausas betonas	Drėgnas betonas
PL	Beton suchy wodą	Beton nasycony wodą
CS	Suchý beton	Mokrý beton otvory vyvrtané do
SK	Suchý betón	Vodou nasýtený betón
HU	Száraz beton	Nedves beton
RO	Beton uscat	Beton ud
SL	Suh beton	Moker beton
HR	Suhi beton	Mokri beton
SR	Suv beton	Mokar beton
TR	Kuru beton	Yaş beton
EL	Στεγνό μπετόν	Υγρό μπετόν
BG	Сух бетон	Мокър бетон
RU	Сухой бетон	Водонасыщенный бетон
UK	Сухий бетон	Водонасичений бетон
KK	Құрғақ бетон	Ылғалды бетон
ZH	干燥混凝土	湿混凝土
JA	いたベトン	湿ったベトン
KO	건조 콘크리트	습윤 콘크리트
HI	Beton kering	Beton basah
AR	خرسانة جافة	خرسانة رطبة













DE	Gerissener Beton	Ungerissener Beton	Bewehrungsanschluss
EN	Cracked concrete	Non-cracked concrete	Reinforcement connection
FR	Béton fissuré	Béton non fissuré	Scellement d'armatures
NL	Gescheurd beton	Ongescheurd beton	Wapeningsaansluiting
IT	Calcestruzzo fessurato	Calcestruzzo non fessurato	Ferri di ripresa
ES	Hormigón agrietado	Hormigón sin grietas	Conexión de refuerzo
PT	Betão fissurado	Betão não fissurado	Conetor de reforço
DA	Revnet beton	Ikke revnet beton	Armeringstilslutninger
SV	Sprucken betong	Ej sprucken betong	Armeringsanslutning
NO	Betong med riss	Betong uten riss	Armeringsforbindelse
FI	Haljennut betoni	Halkeamaton betoni	Vahvistusliitäntä
IS	Sprungin steypa	Óbrotin steinsteypa	Tenging við styrkingu
ET	Pragunenud betoon	Pragudeta betoon	Sarrusühendus
LV	Betons ar plaisām	Betons bez plaisām	Stiegrojuma savienojums
LT	Sutrūkinėjęs betonas	Vientisas betonas	Armatūros sujungimo elementas
PL	Beton spełkany	Beton niespełkany	Złącze zbrojarskie
CS	Beton s trhlinami	Beton bez trhlin	Připojka výztuže
SK	Betón s trhlinami	Betón bez trhlin	Styková výstuž
HU	Repedéses beton	Repedésmentes beton	Betonvasalatcsatlakozás
RO	Beton fisurat	Beton fără fisuri	Racord de armătură
SL	Razpokan beton	Nerazpokan beton	Priključek za armaturo
HR	Ispucani beton	Neispucani beton	Priključak armature
SR	Ispucao beton	Neispucao beton	Priključak armature
TR	Çatlamaş beton	Çatlamaş beton	Destek bağlantısı
EL	Μπετόν με ρωγμές	Μπετόν χωρίς ρωγμές	Σύνδεση οπλισμού
BG	Напукан бетон	Ненапукан бетон	Връзка за армировка
RU	Треснутый бетон	Целый бетон	Соединитель армирования
UK	Тріснутий бетон	Бетон у зоні стиснення	Арматурне пруття
KK	Жарыктары бар бетон	Бүтін бетон	Арматуралау қосылымы
ZH	有裂縫的混凝土	无裂縫的混凝土	钢筋连接件
JA	ひび割れがあるベトン	ひび割れのないベトン	強化コネクタ
KO	균열 콘크리트	비균열 콘크리트	보강재 연결
HI	Beton retak	Beton tidak licin	Sambungan penguat
AR	خرسانة متصدعة	خرسانة غير متصدعة	وصلة حديد مسلح



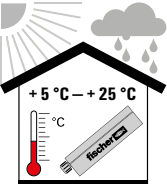
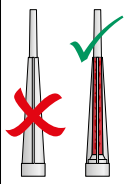
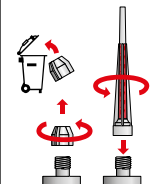

DE	Verarbeitungszeit	Aushärtezeit
EN	Open time	Hardening time
FR	Temps de manipulation	Temps de durcissement
NL	Verwerkingstijd	Uithardtijd
IT	Tempo di avorazione	Tempo di indurimento
ES	Tiempo de ratamiento	Tiempo de endurecimiento
PT	Tempo de rocessamento	Tempo de endurecimento
DA	Forarbejdsningstid	Hærdetid
SV	Bearbetningstid	Hårdningstid
NO	Bearbeidelsestid	Herdetid
FI	Käsittelyaika	Kovettumisaika
IS	Vinnslutími	Pornunartími
ET	Töötlemisaeg	Kõvastumisaeg
LV	Apstrādājamības laiks	Sacietēšanas laiks
LT	Darbo su medžiaga laikas	Kietėjimo laikas
PL	Czas żelowania	Czas wiązania
CS	Doba zpracování	Doba vytvrzení
SK	Doba spracovania	Doba vytvrdenutia
HU	Feldolgozási idő	Kikeményedési idő
RO	Timp de punere în operă	Timp de întărire
SL	Čas obdelave	Čas strjevanja
HR	Vrijeme obrade	Vrijeme stvrdnjavanja
SR	Vreme obrade	Vreme tvrdnjavanja
TR	Kullanma süresi	Sertleşme süresi
EL	Χρόνος επεξεργασίας	Χρόνος σκλήρυνσης
BG	Време за обработка	Време за втвърдяване
RU	Время обработки	Время отверждения
UK	Час обробки	Час затвердіння
KK	Өңделу уақыты	Қатаю уақыты
ZH	加工时间	硬化时间
JA	加工時間	凝固時間
KO	작업 시간	경화 시간
HI	Waktu pemrosesan	Waktu pengerasan
AR	وقت التصنيع	وقت التصلب






DE	Bewehrungsstab	Bewehrungsanker	Skalenteile
EN	Reinforcement rod	Reinforcement anchor	Scale divisions
FR	Barres d'armatures	Ancrage d'armature	Graduations
NL	Wapeningsstaaf	Wapeningsanker	Schaalonderdelen
IT	Ferro di ripresa	Ancoraggio di ripresa	Divisioni di scala
ES	Barra de refuerzo	Anclaje de refuerzo	Unidades de escala
PT	Barra de armação	Ancoragem de reforço	Intervalos de gradação
DA	Armeringsstav	Armeringsanker	Skalatrín
SV	Armeringsjärn	Armeringsankare	Skaldelar
NO	Wapeningsstaaf	Wapeningsanker	Skaladeler
FI	Tartuntateräs	Tartuntaankkuri	Asteikkojaot
IS	Styrktarfein	Styrktarfesting	Mælikvarði
ET	Sarrusvarras	Sarrusankur	Skaala jaotused
LV	Enkura stiegrājuma	Stienis	Skalas iedaļas
LT	Armatūrinis strypas	Armatūrinis inkaras	Skalės padalos
PL	Pręt zbrojarski	Kotwa zbrojarska	Podziałki skali
CS	Výztužná tyč	Kotva výztuže	Dílky na stupnici
SK	Výstužný prút	Vystužovacia kotva	Diely na stupnici
HU	Betonvas rúd	Horgonyzó vas	Skálarészértékek
RO	Tijă de armătură	Ancoră de armătură	Diviziuni scală
SL	Armaturna palica	Sidro armature	Razdelki na skali
HR	Armaturna šipka	Armaturno sidro	Dijelovi skale
SR	Armaturna šipka	Armaturna kotva	Delovi skale
TR	Takviye çubuğu	Takviye demiri	Kadran bölümleri
EL	Ράβδος οπλισμού	Αγκύριο οπλισμού	Διαβαθμίσεις κλίμακας
BG	Армировъчен прът	Армировъчен анкерен болт	Части на скалата
RU	Арматурный стержень	Арматурный анкер	Деление шкалы
UK	Арматурний стрижень	Арматурний анкер	Поділки шкали
KK	Арматуралық өзек	арматуралық анкері	Шөкіл бөліктері
ZH	钢筋	钢筋锚杆	刻度
JA	鉄筋	強化アンカー	目盛り分割
KO	보강 로드	보강 앵커	스케일의 눈금폭
HI	Batang penguat	Jangkar penguat	Bagian skala
AR	قضيب حديد مسلح	تثبيت حديد مسلح	أجزاء المقياس

	 CE ETA-22/0502, EAD-330087-01-0601, Post-installed rebar connection	 	Rebar / FRA	 9 / 10 / 11
	 CE ETA-22/0501, EAD-330499-01-0601, Option 1 for cracked concrete	 	Rebar / FRA	 9 / 10 / 11

 **STOP** 11/2024 **OK?**    


   

FIS MR Plus (≤ 410 ml)
FIS JMR (825 ml)

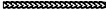
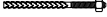
	t_{work}  FIS RC II	t_{cure}  FIS RC II
- 10 °C - ± 0 °C	20 min. ³⁾	12 h
> ± 0 °C - + 5 °C	13 min. ³⁾	3 h
> ± 5 °C - + 10 °C	9 min. ³⁾	90 min.
> + 10 °C - + 20 °C	5 min.	60 min.
> + 20 °C - + 30 °C	4 min.	45 min.
> + 30 °C - + 40 °C	2 min. ⁴⁾	35 min.

³⁾  < 10 °C  ≥ 15 °C
⁴⁾  > 30 °C  ≤ 20 °C






  = $t_{cure} \times 2$

		Art. No.	
360 ml	FIS DM S	511118	FIS MR Plus Art. No. 545853
	FIS AM	058000	
	FIS DB S Pro	558955 (EU) 564960 (UK)	
825 ml	FIS AM S-XL	563241	FIS JMR Art. No. 567522
	FIS DB SL Pro	562004 (EU) 564961 (UK)	

Dispensers and cartridge sizes corresponding to maximum embedment depth $l_{v,max}$ resp. $l_{e,ges,max}$

Reinforcing bars (Rebar)  \varnothing [mm]	Rebar anchor FRA  thread	Manual dispenser	Accu and pneumatic dispenser (small)	Accu and pneumatic dispenser (large)
		Cartridge size < 500 ml $l_{v,max} / l_{e,ges,max}$ [mm]		Cartridge size > 500 ml $l_{v,max} / l_{e,ges,max}$ [mm]
8	-	1000	1000	1800
10	-		1200	
12	FRA M12		1500	
14	-		1300	
16	FRA M16	700	1000	2000
18, 20, 22, 24	FRA M20		700	
25	FRA M24		700	
28	-	700	700	$T_i > 0^\circ\text{C} = 1500$ $T_i \leq 0^\circ\text{C} = 2000$
30, 32	-	700	700	

Installation tools for drilling and cleaning the bore hole and injection of the mortar

Reinforcing bars (Rebar)  \varnothing [mm]	Rebar anchor FRA  thread	Drilling and cleaning				Injection	
		Nominal drill bit \varnothing  d_D [mm]	\varnothing of cutting edge d_{cut} [mm]	\varnothing of steel brush  d_b [mm]	\varnothing of cleaning nozzle [mm]	\varnothing of extension tube [mm]	Injection adapter  [colour]
8	-	10	$\leq 10,50$	11	-	9	-
		12	$\leq 12,50$	12,5			nature
10	-	12	$\leq 12,50$	12,5	11		blue
		14	$\leq 14,50$	15			red
12	FRA M12	14	$\leq 14,50$	15	15	yellow	
		16	$\leq 16,50$	17		green	
14	-	18	$\leq 18,50$	19	19	black	
16	FRA M16	20	$\leq 20,55$	21,5		9 or 15	grey
18	FRA M20	25	$\leq 25,55$	26,5	28		brown
20							30
22	-	30	$\leq 30,55$	32	28		red
24	-					35	$\leq 35,70$
25	FRA M24	35	$\leq 35,70$	37	28	red	
28	-					40	$\leq 40,70$
30	-	40	$\leq 40,70$	42	38		
32	-						




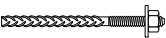





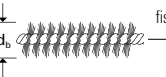
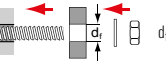
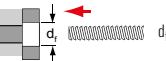
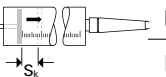


Rebar



FRA



Rebar, FRA

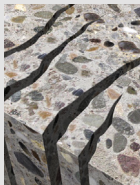
 Rebar	8	10	12	14	16	18/20	25	28	32
 FRA	-	-	M12	-	M16	M20	M24	-	-
  CE ETA-22/0502, EAD-330087-01-0601, Post-installed rebar connection	✓	✓	✓	✓	✓	✓	✓	✓	✓
  CE ETA-22/0501, EAD-330499-01-0601, Option 1 for cracked concrete	✓	✓	✓	✓	✓	✓	✓	✓	-
 d_o [mm]	10/12	12/14	14/16	18	20	25	30	35	40
 fischer BS / BSB d_b [mm]	Ø 12	Ø 14	Ø 16	Ø 18	Ø 20	Ø 25	Ø 35	Ø 35	Ø 40
 d_f [mm]	FRA	-	14	-	18	22	26	-	-
 d_f [mm]	FRA	-	18	-	22	26	32	-	-
 [ml] / 100 mm	6/8	6/10	6/10	14	14	28/22	26/55	42	54
 [Sk] / 100 mm	3/4	3/5	3/5	7	7	14/11	13/28	21	27
 max. T_{inst} [Nm]	FRA	-	40	-	60	120	150	-	-



Rebar



FRA



ETA-22/0501, EAD-330499-01-0601, Option 1 for cracked concrete

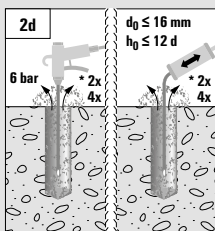
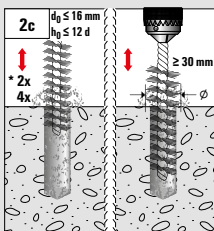
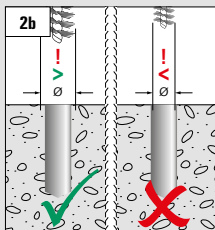
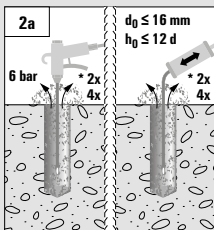
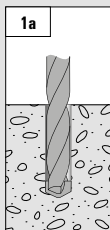


ETA-22/0501, EAD-330499-01-0601, Option 1 for non-cracked concrete



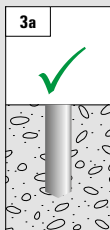
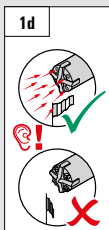
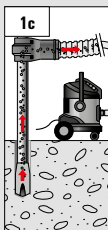
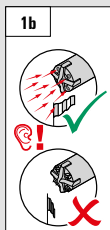
ETA-22/0502, EAD-330087-01-0601, Post-installed rebar connection

Rebar, FRA



* 2x
ETA-22/0502,
EAD-330087-01-0601

* 4x
ETA-22/0501,
EAD-330499-01-0601





Rebar



FRA



ETA-22/0501, EAD-330499-01-0601, Option 1 for cracked concrete

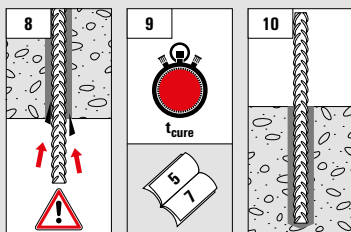
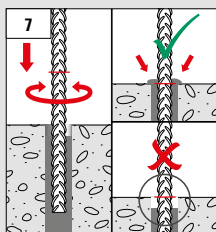
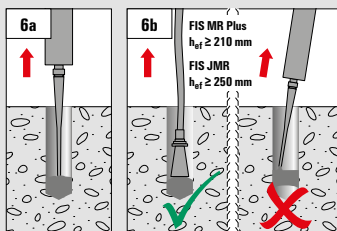
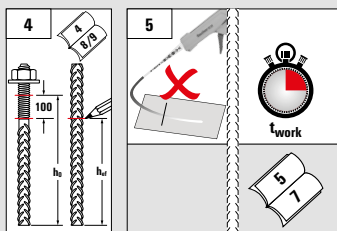


ETA-22/0501, EAD-330499-01-0601, Option 1 for non-cracked concrete



ETA-22/0502, EAD-330087-01-0601, Post-installed rebar connection

Rebar, FRA



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