

fischer FIS GREEN

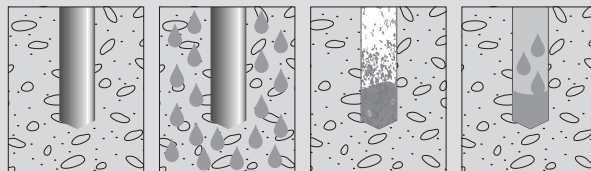


* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

fischer FIS GREEN



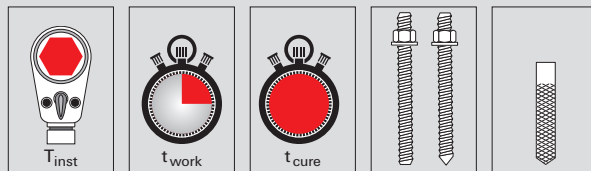
- (D)** Gebrauchsanweisung
- (GB)** Operating instructions
- (F)** Mode d'emploi
- (NL)** Montagehandleiding
- (I)** Istruzioni per l'installazione
- (E)** Instrucciones de uso
- (P)** Instruções de utilização
- (DK)** Installationsvejledning
- (S)** Installationsinstruktioner
- (N)** Installasjonsveiledning
- (FIN)** Asennusohjeet
- (CZ)** Návod k instalaci
- (SK)** Návod na používanie



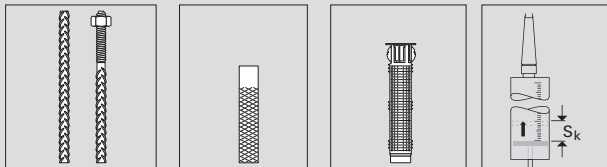
(D) Trockener Beton	Nasser Beton	Verschmutztes Bohrloch	Wassergefülltes Bohrloch
(GB) Dry concrete	Water saturated concrete	Contaminated drill hole	Waterfilled borehole
(F) Béton sec	Béton saturé d'eau	Perçage encrassé	Trou dans l rempli d'eau
(NL) Droog beton	Met water verzadigd beton	Vervuild boorgat	Met water gevuld boorgat
(I) Calcestruzzo secco	Calcestruzzo saturo d'acqua	Foro sporco	Foro pieno d'acqua nel calcestruzzo
(E) Hormigón seco	Hormigón saturado de agua	Agujero de taladrado sucio	Taladro lleno de agua en hormigón
(P) Betão seco	Betão saturado de água	Furo com sujidade	Furo cheio de água
(DK) Tør beton	Vandmættet beton	Tilsmudset borehul	Vandfyldt borehul
(S) Torrbetong	Vattenmättad betong	Smutsigt hål	Vattenfyllt hål
(N) Tørr betong	Vannmettet betong	Tilskitnet borehull	Vannfylte borehull
(FIN) Kuiva betony	Veden kylästämä betoni	Likaantunut poranreikä	Vedellä täyttynyt porareikä
(CZ) Suchý beton	Mokrý beton otvory vyvrtné do	Znečištěný vývrt	Naplněné vodou
(SK) Suchý betón	Vodou nasýtený betón	Znečistený vývrt	Vodou naplnený otvor vyvrtaný



D	Ungerissener Beton	Vollstein	Lochstein	Porenbeton
GB	Non-cracked concrete	Solid brick	Perforated brick	Aerated concrete
F	Béton non fissuré	Brique pleine	Brique alvéolée	Béton poreux
NL	Ongescheurd beton	Volle steen	Holle steen	Cellenbeton
I	Calcestruzzo non fessurato	Mattone pieno	Mattone forato	Calcestruzzo autoclavato
E	Hormigón sin grietas	Ladrillo macizo	Ladrillo perforado	Hormigón celular
P	Betão não fissurado	Pedra maciça	Pedra porosa	Betão celular
DK	Ikke-revnet beton	Massiv sten	Hulsten	Porebeton
S	Ej sprucken betong	Massiv sten	Hålsten	Lättbetong
N	Betong uten riss	Helstein	Perforert (mur)stein	Porebetong
FIN	Halkeamaton betoni	Umpitiili	Reikätiili	Solubetoni
CZ	Beton bez trhlin	Plně cihly	Děrované cihly	Pórbeton
SK	Betón bez trhlin	Plná tehla	Dierovaná tehla	Pórbetón






D	Drehmoment	Verarbeitungszeit	Aushärtezeit	Ankerstangen FIS A + RG M	Innengewindeanker RG MI
GB	Torque	Open time	Hardening time	Anchor rods FIS A + RG M	Internal thread anchors RG MI
F	Couple	Temps de traitement	Temps de durcissement	Barres d'ancrage FIS A + RG M	Ancrage à filetage intérieur RG MI
NL	Draaimoment	Verwerkingstijd	Uithardtijd	Ankerstangen FIS A + RG M	Binnendraadanker RG MI
I	Coppia	Tempo di lavorazione	Tempo di indurimento	Barre di ancoraggio FIS A + RG M	Ancoraggio con filettatura interna RG MI
E	Par	Tiempo de tratamiento	Tiempo de endurecimiento	Barras de anclaje FIS A + RG M	Anclaje de rosca interior RG MI
P	Binário	Tempo de processamento	Tempo de endurecimento	Tirantes de ancoragem FIS A + RG M	Ancoragem de rosca interna RG MI
DK	Tilspændingsmoment	Forarbejdsningstid	Hærdetid	Gevindstænger FIS A + RG M	Anker med indvendigt gevind RG MI
S	Vridmoment	Bearbetningstid	Hårdningstid	Förankringsstänger FIS A + RG M	Ankare med innergång RG MI
N	Dreiemoment	Bearbeidelsestid	Herdetid	Ankerstenger FIS A + RG M	Innvendig gjenge-anker RG MI
FIN	Vääntömomentti	Käsittelyaika	Kovettumisaika	Harustangot FIS A + RG M	Sisäkiereankuri RG MI
CZ	Utahovací moment	Doba zpracování	Doba vytvrzení	Kotevní tyče FIS A + RG M	Svorník s vnitřním závitem RG MI
SK	Uťahovací moment	Doba spracovania	Doba vytvrdenia	Kotviace tyče FIS A + RG M	Kotva s vnútorným závitom RG MI



D	Bewehrungsstab Bewehrungsanker FRA	Innengewinde- anker FIS E	Ankerhülse Kunststoff FIS H K	Skalenteile
GB	Reinforcement rod FRA reinforcement anchor	FIS E internal thread anchor	FIS H K plastic anchor sleeve	Scale divisions
F	Tige d'armature Ancrage d'armature FRA	Ancrage à filetage intérieur FIS E	Douille d'ancrage plastique FIS H K	Marques de mesure
NL	Wapeningsstaaf Wapeningsanker FRA	Binnendraadanker FIS E	Ankerhuls kunststof FIS H K	Schaalonderdelen
I	Ferro di ripresa Ancoraggio di ripresa FRA	Ancoraggio con filetta- tura interna FIS E	Boccola di ancoraggio in plastica FIS H K	Divisioni di scala
E	Barra de refuerzo Anclaje de refuerzo FRA	Anclaje de rosca interior FIS E	Vaina de anclaje plástica FIS H K	Unidades de escala
P	Barra de armação Ancoragem de reforço FRA	Ancoragem de rosca interna FIS E	Manga de ancoragem em plástico FIS H K	Intervalos de gradação
DK	Armeringsstav Armeringsanker FRA	Anker med indvendigt gevind FIS E	Sihylse kunststof FIS H K	Skalatrín
S	Armeringsjäm Armeringsankare FRA	Ankare med inngång FIS E	Ankarhylsa plast FIS H K	Skaldelar
N	Wapeningsstaaf Wapeningsanker FRA	Innvendig gjenge anker FIS E	Ankerhylse kunststoff FIS H K	Skaladeler
FIN	Tartuntateräs Tartunta-ankkuri FRA	Sisäkierreankkuri FIS E	Muovinen ankkurihylsy FIS H K	Asteikkojaot
CZ	Výztužná tyč Kotva výztuže FRA	Svorník s vnitřním závitem FIS E	Kotevní pouzdro, plast FIS H K	Dílky na stupnici
SK	Výstužný prút Vystužovacia kotva FRA	Kotva s vnútorným závitom FIS E	Puzdro z plastu FIS H K	Diely na stupnici

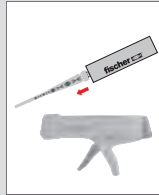
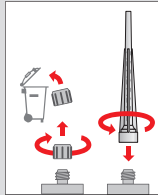
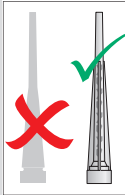
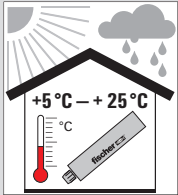


	 ETA-14/0408 ETAG 001 Option 7 for noncracked concrete		FIS A / RG M	9 / 12 / 13
	 ETA-14/0408 ETAG 001 Option 7 for noncracked concrete		RG MI	10 / 12 / 14
	 ETA-14/0408 ETAG 001 Option 7 for noncracked concrete		Rebar / FRA	11 / 12 / 13
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS A	15 / 17 / 18
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS E	16 / 17 / 19
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS HK + FIS A	20 / 21 / 23
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS HK + FIS E	22 / 23
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS H 18x130/200 K, FIS H 22x130/200 K FIS A	24 / 25
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS A	15 / 17 / 18
	 ETA-14/0471 ETAG 029 Masonry Use categories b, c and m/n		FIS E	16 / 17 / 19

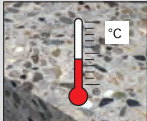


STOP 05.2015

OK?



FIS Easy Mixer /
FIS MR



FIS GREEN



FIS GREEN

> ±0 °C - +5 °C	13 min.	6 h
> +5 °C - +10 °C	9 min.	4 h
> +10 °C - +20 °C	5 min.	90 min.
> +20 °C - +30 °C	4 min.	60 min.
> +30 °C - +40 °C	2 min.	30 min.

		Art. No.	
300 ml	KPM 2	053117	FIS Easy Mixer, Art. No. 520742
300 ml	FIS DM S	511118	 FIS MR, Art. No. 96448
	FIS AM	058000	
	FIS DC S	513423	
	FIS AP	058027	





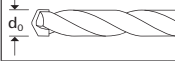
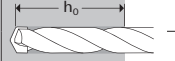

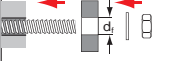
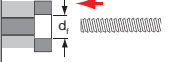



FIS A



RG M



FIS A, RG M

	M6	M8	M10	M12	M16	M20	M24	M30
 M								
		✓	✓	✓	✓	✓		
 d_o	8	10	12	14	18	24	28	35
 h_o								
$h_{o,min}$ [mm]	50	60	60	70	80	90	96	120
$h_{o,max}$ [mm]	100	160	200	240	320	400	480	600
 fischer BS	Ø 8	Ø 10	Ø 12	Ø 14	Ø 18	Ø 24	Ø 28	Ø 35
d_b [mm]	9	11	14	16	20	26	30	40
 d_f	7	9	12	14	18	22	26	33
 d_f	9	11	14	16	20	26	30	40
 $Sk (h_{o,min})$ [-]	2	2	3	4	5	11	15	27
 $Sk (h_{o,max})$ [-]	3	5	7	10	19	48	69	132
 $T_{inst,max}$ [Nm]	5	10	20	40	60	120	150	300



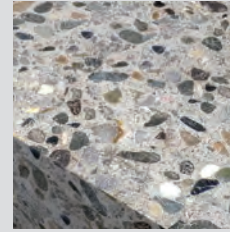
RG MI



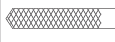

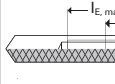
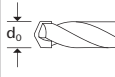
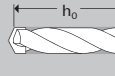
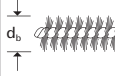
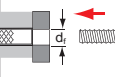
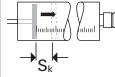
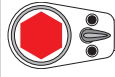
Rebar




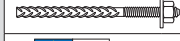


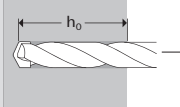

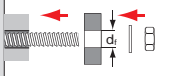
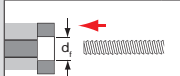
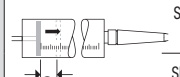


FRA

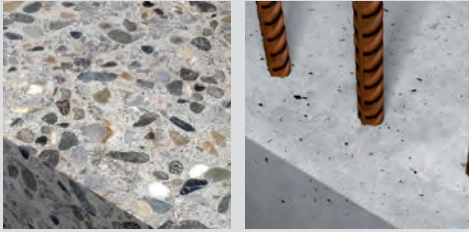
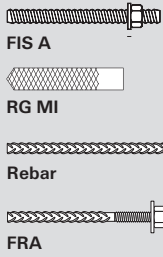


RG MI

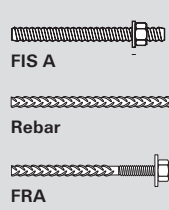
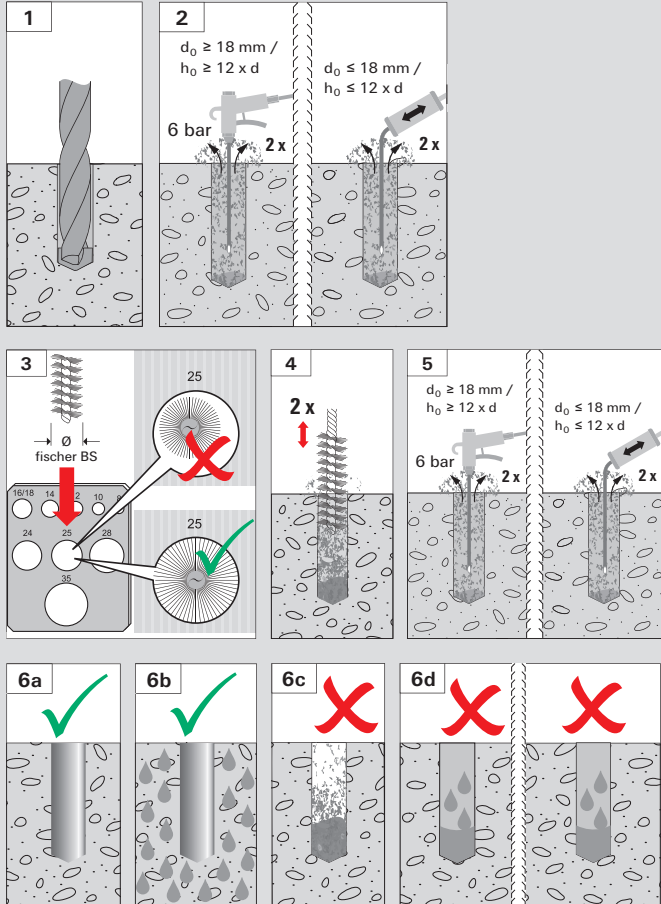
	M5	M6	M8	M10	M12	M16	M20
			✓	✓	✓	✓	
	8	8	8	10	12	16	20
$l_{E,max}$ [mm]	14	16	18	23	26	35	45
$l_{E,min}$ [mm]							
	10	12	14	18	20	24	32
d_0 [mm]							
	75	75	90	90	125	160	200
h_0 [mm]							
	Ø 10	Ø 12	Ø 14	Ø 18	Ø 20	Ø 24	Ø 35
fischer BS d_b [mm]							
	6	7	9	12	14	18	22
d_f [mm]							
	3	3	4	6	11	17	39
Sk [-]							
	-	-	10	20	40	80	120
$T_{inst,max}$ [Nm]							

Rebar, FRA

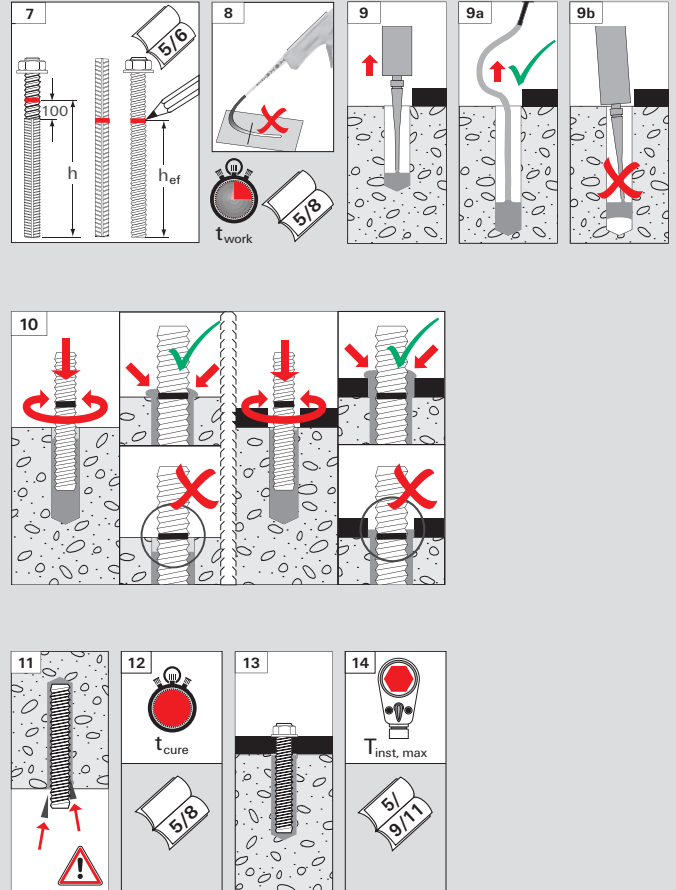
	Rebar	8	10	12	14	16	20	
	FRA	-	-	M12	-	M16	M20	
	Rebar	✓	✓	✓	✓	✓	✓	
	FRA	-	-	✓	-	✓	✓	
	d_0 [mm]	12	14	16	18	20	25	
	$h_{0,min}$ [mm]	60	60	70	75	80	90	
	FRA			170		180	190	
	$h_{0,max}$ [mm]	160	200	240	280	320	400	
	FRA			240		320	400	
	fischer BS d_b [mm]	Ø 12	Ø 14	Ø 16	Ø 18	Ø 20	Ø 25	
	d_b [mm]	14	16	20	20	25	27	
	d_f [mm]	FRA	-	-	14	-	18	22
	d_f [mm]	FRA	-	-	18	-	22	26
	Sk ($h_{0,min}$) [-]	Rebar	3	3	4	5	6	10
	FRA	-	-	10	-	14	22	
	Sk ($h_{0,max}$) [-]	Rebar	7	10	14	18	24	45
	FRA	-	-	14	-	24	45	
	$T_{inst,max}$ [Nm]	FRA	-	-	40	-	60	120



FIS A, RG MI, Rebar, FRA



FIS A, Rebar, FRA





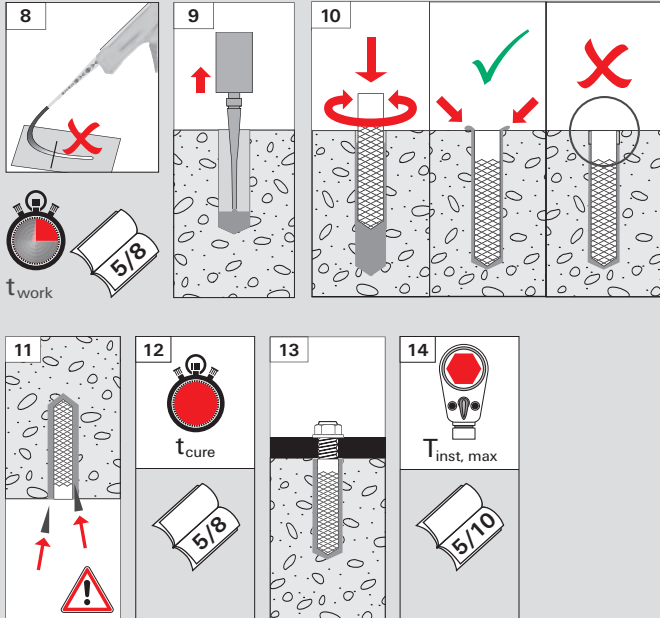
RG MI





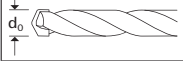
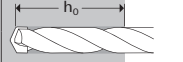

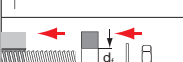
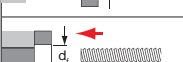
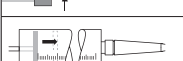




FIS A



RG MI



FIS A

	FIS A	M6	M8	M10	M12	M16
	FIS A					
			✓	✓	✓	✓
	d_0 [mm]	8	10	12	14	18
	$h_{0,min}$ [mm]	50	50	50	50	50
	$h_{0,max}$ [mm]	80	200	200	200	200
	fischer BS d_b [mm]	Ø 8	Ø 10	Ø 12	Ø 14	Ø 18
	d_f [mm]	7	9	12	14	18
	d_f [mm]	9	11	14	16	20
	$Sk (h_{0,min})$ [-]	2	2	2	3	3
	$Sk (h_{0,max})$ [-]	3	6	7	9	12
	$T_{inst,min}$ [Nm]	0	0	0	0	0
	$T_{inst,max}$ [Nm]					
						
		www.fischer.de → ETA-14/0471				
						



FIS E



FIS E

	FIS E	M6	M8	M10	M12
		✓	✓	✓	✓
	$l_{E,min}$	16	8	10	12
	$l_{E,max}$	60	60	60	60
	d_0 [mm]	14	14	18	18
	h_0 [mm]	90	90	90	90
	fischer BS	Ø 16	Ø 16	Ø 18	Ø 18
	d_b [mm]	16	16	20	20
	d_f [mm]	7	9	12	14
	Sk [-]	4	4	5	5
	$T_{inst,min}$ [Nm]	0	0	0	0
	$T_{inst,max}$ [Nm]		www.fischer.de → ETA-14/0471		



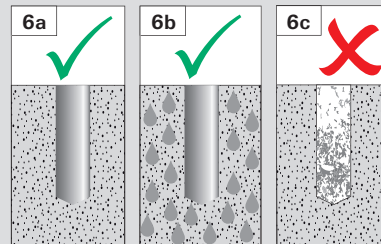
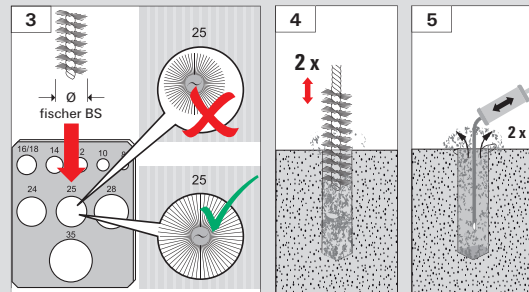
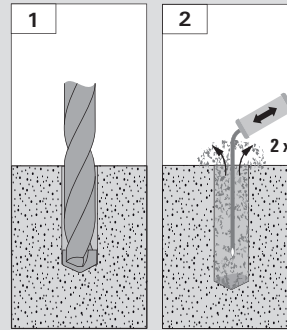
FIS A

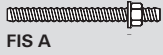


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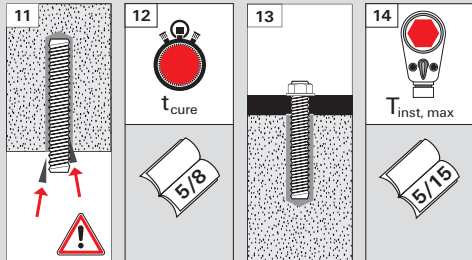
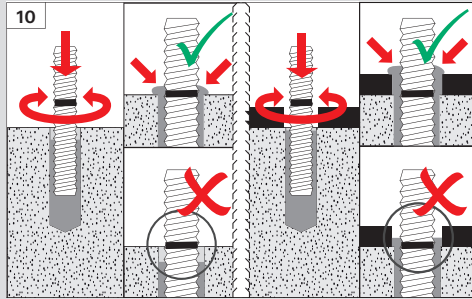
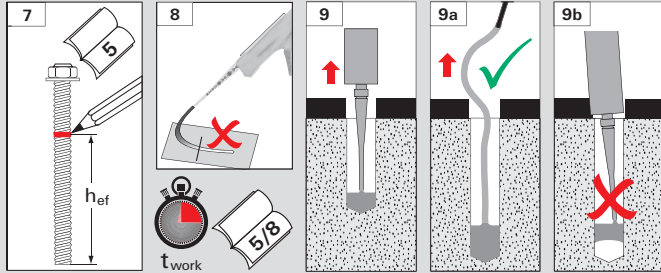


FIS A, FIS E

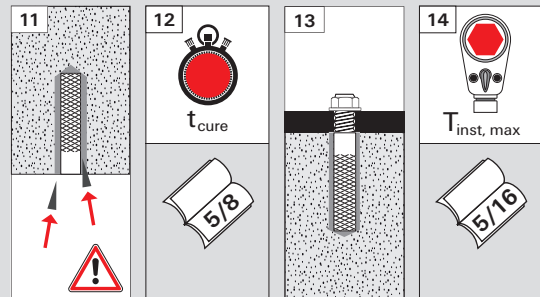
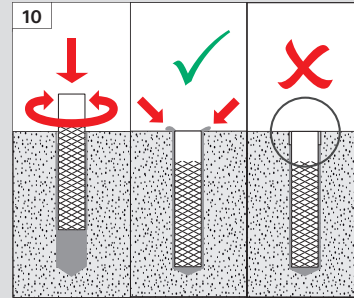
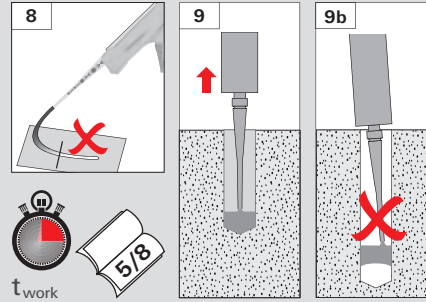




FIS A



FIS E

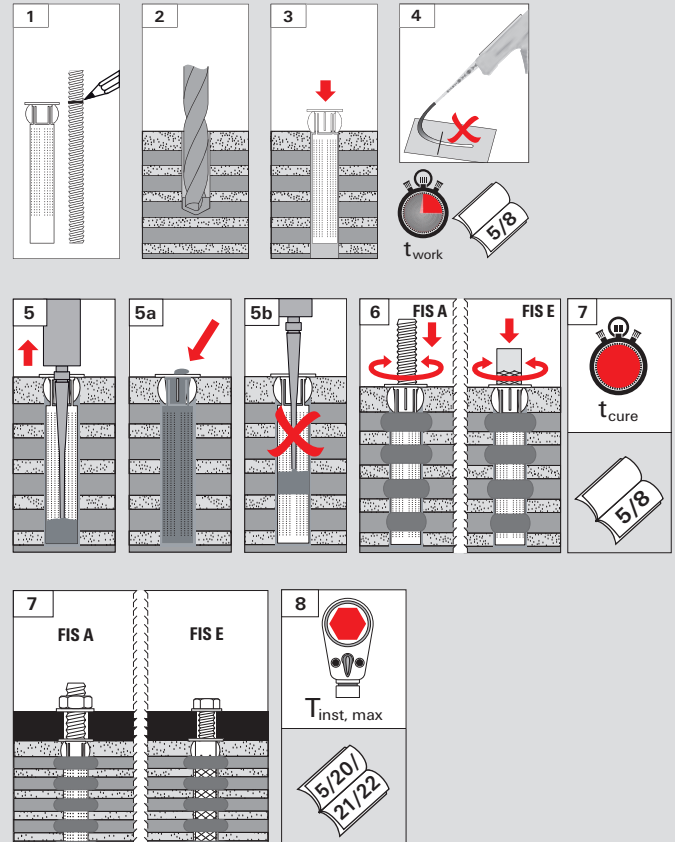


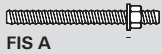


FIS E

	FIS E	M6	M8	M10	M12
	FIS E	M6	M8	M10	M12
	FIS HK	16 x 85	16 x 85	20 x 85	20 x 85
		✓	✓	✓	✓
	$l_{E,min}$	6	8	10	12
	$l_{E,max}$	60	60	60	60
	d_0 [mm]	16	16	20	20
	h_0 [mm]	90	90	90	90
	fischer BS	Ø 16	Ø 16	Ø 20	Ø 20
	d_b [mm]	18	18	24	24
	t_{int} [mm]	0	0	0	0
	d_f [mm]	7	9	12	14
	Sk [-]	12	12	15	15
	$T_{inst,min}$ [Nm]	0	0	0	0
	$T_{inst,max}$ [Nm]		www.fischer.de → ETA-14/0471		

FIS A, FIS E, FIS HK





FIS A



FIS H 18 x 130/200 K,
FIS H 22 x 130/200 K



FIS A



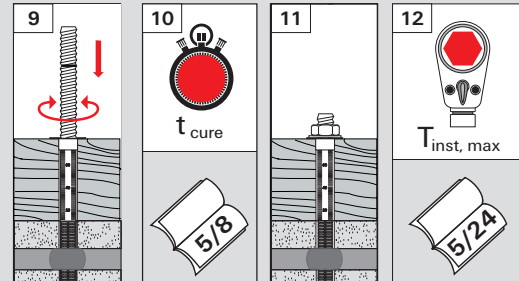
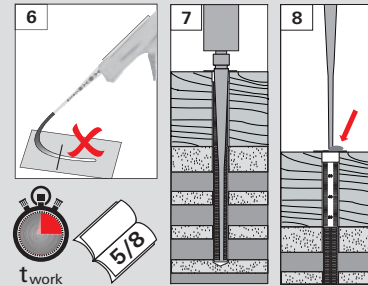
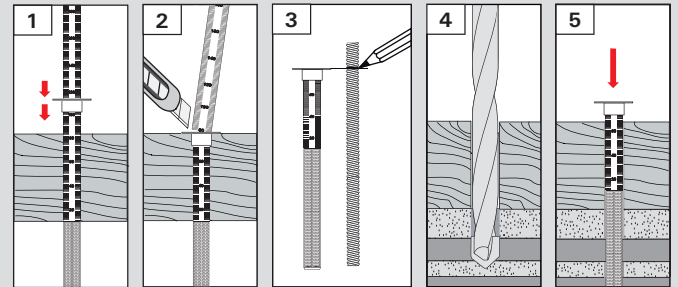
FIS H 18 x 130/200 K,
FIS H 22 x 130/200 K



FIS A, FIS H 18 x 130/200 K, FIS H 22 x 130/200 K

	FIS A	M10	M12	M16
	FIS HK	18 x 130/200	18 x 130/200	22 x 130/200
		✓	✓	✓
d_o [mm]		18	18	22
[mm]		0	0	0
t_{fix} [mm]		200	200	200
h_o [mm]		$t_{fix} + 135$	$t_{fix} + 135$	$t_{fix} + 135$
fischer BS		Ø 18	Ø 18	Ø 20
d_b [mm]		20	20	25
d_f [mm]		20	20	24
Sk (h_o, min) [-]		15	15	25
Sk (h_o, max) [-]		35	35	45
$T_{inst, min}$ [Nm]		0	0	0
$T_{inst, max}$ [Nm]		www.fischer.de → ETA-14/0471		

FIS A, FIS H 18 x 130/200 K, FIS H 22 x 130/200 K



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