



MULTICOMPOUNDsystem Protect Plus



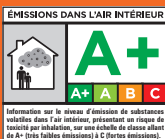
ETA-24/1248, EAD 330499-01-0601,
Option 1 for cracked concrete



ETA-24/1249, EAD 330087-00-0601,
Post-installed rebar connection

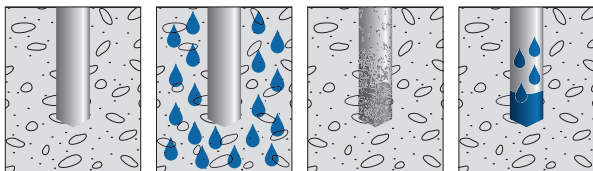


ETA-24/1250, EAD 330076-01-0604,
Masonry use categories b, c or d

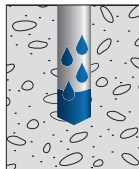
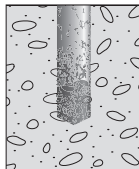




DE	Gebrauchsanweisung	SR	Uputstvo za instalaciju
EN	Operating instructions	TR	Kurulum talimatları
FR	Mode d'emploi	EL	Οδηγίες Εγκατάστασης
NL	Montagehandleiding	BG	Инструкции за инсталиране
IT	Istruzioni per l'installazione	RU	Инструкция по установке
ES	Instrucciones de uso	UK	Інструкція з використання
PT	Instruções de utilização		
DA	Installationsvejledning		
SV	Installationsinstruktioner		
NO	Installasjonsveiledning		
FI	Asennusohjeet		
ET	Kasutusjuhend		
LV	Lietošanas instrukcija		
LT	Naudojimo instrukcija		
PL	Instrukcja instalacji		
CS	Návod k instalaci		
SK	Návod na používanie		
HU	Szerelési útmutató		
RO	Instrucţiuni de utilizare		
SL	Navodila za namestitve		
HR	Upute za instalaciju		



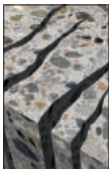
DE	Trockener Beton	Nasser Beton	Verschmutztes Bohrloch	Wassergefülltes Bohrloch
EN	Dry concrete	Water saturated concrete	Contaminated drill hole	Water filled borehole
FR	Béton sec	Béton humide	Perçage non dépoussiéré	Trou inondé
NL	Droog beton	Met water verzadigd beton	Vervuild boorgat	Met water gevuld boorgat
IT	Calcestruzzo secco	Calcestruzzo saturo d'acqua	Foro sporco	Foro pieno d'acqua nel calcestruzzo
ES	Hormigón seco	Hormigón saturado de agua	Agujero de taladrado sucio	Taladro lleno de agua en hormigón
PT	Betão seco	Betão saturado de água	Furo com sujidade	Furo cheio de água
DA	Tør beton	Vandmættet beton	Tilsmudset borehul	Vandfyldt borehul
SV	Torr betong	Vattenmättad betong	Smutsigt hål	Vattenfyllt hål
NO	Tørr betong	Vannmettet betong	Tilskitnet borehull	Vannfylte borehull
FI	Kuiva betony	Veden kyllästämä betoni	Likaantunut poranreikä	Vedellä täyttynyt porareikä
ET	Kuivbetoon	Märgbetoon	Mustunud puuriauk	Veega täidetud puuriauk
LV	Sauss betons	Mitrš betons	Piesārņots urbums	Urbums ar ūdeni
LT	Sausas betonas	Drėgnas betonas	Užteršta išgręžta skylė	Vandens pripildyta išgręžta skylė
PL	Beton suchy wodą	Beton nasycony wodą	Zabrudzony wywiercony otwór	Wywiercony otwór wypełniony
CS	Suchý beton	Mokrý beton otvory vyvrtané do	Znečištěný vývrt	Naplněné vodou
SK	Suchý betón	Vodou nasýtený betón	Znečistený vývrt	Vodou naplnený otvor vyvrtaný
HU	Száraz beton	Nedves beton	Szennyezett furat	Vízzel töltött furat
RO	Beton uscat	Beton ud	Gaură forată contaminată	Gaură forată umplută cu apă
SL	Suh beton	Moker beton	Umazana izvrtina	Z vodo napolnjena izvrtina
HR	Suhi beton	Mokri beton	Zaprljani provrt	Vodom napunjen provrt



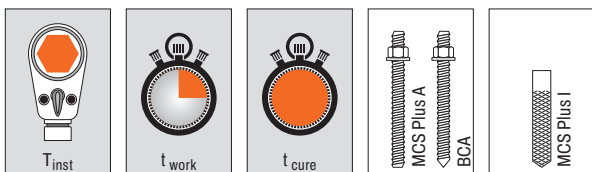
SR	Suv beton	Mokar beton	Zaprljan provrt	Provrt napunjen vodom
TR	Kuru beton	Yaş beton	Kirli delik	Su dolu delik
EL	Στεγνό μπετόν	Υγρό μπετόν	Βρώμικη τρύπα	Τρύπα γεμάτη νερό
BG	Сух бетон	Мокър бетон	Замърсен отвор	Пълен с вода отвор
RU	Сухой бетон	Водонасыщенный бетон	Загрязненное отверстие	Отверстие в бетоне, заполненное водой
UK	Сухий бетон	Водонасичений бетон	Забруднений отвір	Заповнений водою отвір



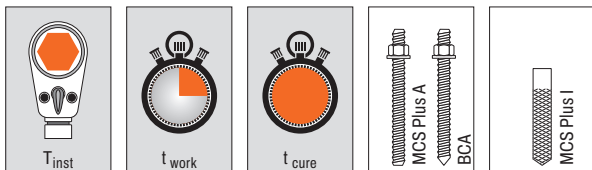
DE	Gerissener Beton	Ungerissener Beton	Bewehrungsanschluss	Vollstein	Lochstein
EN	Cracked concrete	Non-cracked concrete	Reinforcement connection	Solid brick	Perforated brick
FR	Béton fissuré	Béton non fissuré	Scellement d'armatures	Maçonneries pleines	Maçonneries creuses
NL	Gescheurd beton	Ongescheurd beton	Wapeningsaansluiting	Volle steen	Holle steen
IT	Calcestruzzo fessurato	Calcestruzzo non fessurato	Ferri di ripresa	Mattone pieno	Mattone forato
ES	Hormigón agrietado	Hormigón sin grietas	Conexión de refuerzo	Ladrillo macizo	Ladrillo perforado
PT	Betão fissurado	Betão não fissurado	Conetor de reforço	Pedra maciça	Pedra porosa
DA	Revnet beton	Ikkerevnet beton	Armerings-tilslutninger	Massiv sten	Hulsten
SV	Sprucken betong	Ej sprucken betong	Armeringsanslutning	Massiv sten	Hålstén
NO	Betong med riss	Betong uten riss	Armeringsforbindelse	Helstein	Perforert (mur) stein
FI	Haljennut betoni	Halkeamaton betoni	Vahvistusliitanta	Umpitiili	Reikätiili
ET	Pragunenud betoon	Pragudeta betoon	Sarrusühendus	Täistellis	Õõnestellis
LV	Betons ar plaisām	Betons bez plaisām	Stiegrojuma savienojums	Masīvs ķieģelis	Dobķieģelis
LT	Sutrūkinėjęs betonas	Vientisas betonas	Armaturės sujungimo elementas	Pilnavidurė plyta	Plyta su kiaurymėmis
PL	Beton spēkany	Beton niespékany	Złącze zbrojarskie	Cegła pełna	Pustak
CS	Beton s trhlinami	Beton bez trhlin	Připojka výztuže	Plné cihly	Děrované cihly
SK	Betón s trhlinami	Betón bez trhlín	Styková výstuž	Plná tehla	Dierovaná tehla
HU	Repedéses beton	Repedésmentes beton	Betonvasalat-csatlakozás	Tömör kő	Lyukaskő
RO	Beton fisurat	Beton fără fisuri	Racord de armătură	Căramidă plină	Căramidă cu găuri
SL	Razpokan beton	Nerazpokan beton	Priključek za armaturo	Polna opeka	Votla opeka
HR	Ispucani beton	Neispucani beton	Priključak armature	Puni kamen	Šupljikavi kamen



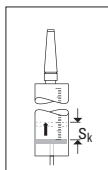
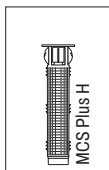
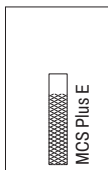
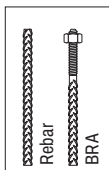
SR	Ispucao beton	Neispucao beton	Priključak armature	Puni kamen	Šupljikavi kamen
TR	Çatlamış beton	Çatlamamış beton	Destek bağlantısı	Dolu tuğla	Delikli tuğla
EL	Μπετόν με ρωγμές	Μπετόν χωρίς ρωγμές	Σύνδεση οπλισμού	Συμπαγείς πλίνθοι	Διάτρητοι πλίνθοι
BG	Напукан бетон	Ненапукан бетон	Връзка за армировка	Плътен камък	Порест камък
RU	Треснутый бетон	Целый бетон	Соединитель армирования	Полнотелый кирпич	Пустотелый кирпич
UK	Тріснутий бетон	Бетон у зоні стиснення	Арматурне пруття	Бетон щільної структури	Бетон порожнистої структури



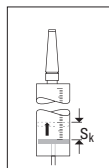
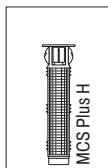
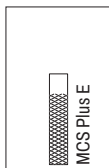
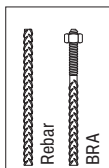
DE	Drehmoment	Verarbeitungszeit	Aushärtezeit	Ankerstangen	Innengewinde- anker
EN	Required torque	Open time	Hardening time	Anchor rods	Internal thread anchors
FR	Couple	Temps de manipulation	Temps de durcissement	Tiges filetées	Douilles taraudées
NL	Draaimoment	Verwerkingstijd	Uithardtijd	Ankerstangen	Binnendraadanker
IT	Coppia	Tempo di lavorazione	Tempo di indurimento	Barre di ancoraggio	Ancoraggio con filettatura interna
ES	Par	Tiempo de tratamiento	Tiempo de endurecimiento	Barras de anclaje	Anclaje de rosca interior
PT	Binário	Tempo de processamento	Tempo de endurecimento	Tirantes de ancoragem	Ancoragem de rosca interna
DA	Tilspændings- moment	Forarbejdsningstid	Hærdetid	Gevindstænger	Anker med indvendigt gevind
SV	Vridmoment	Bearbetningstid	Härdningstid	Förankringsstän- ger	Ankare med innergånga
NO	Dreiemoment	Bearbeidelsestid	Herdetid	Ankerstenger	Innvendig gjengeanker
FI	Vääntömomentti	Käsittelyaika	Kovettumisaika	Harustangot	Sisäkiekerrankuri
ET	Pöördemoment	Töötlemissaeg	Kõvastumisaeg	Ankurvarded	Sisekeermege ankur
LV	Griezes moments	Apstrādājamības laiks	Sacietēšanas laiks	Enkura stienis	Iekšējās vītnes enkurs
LT	Sukimo momentas	Darbo su medžiaga laikas	Kietėjimo laikas	Inkariniai strypai	Strypas su vidiniu sriegiu
PL	Moment dokręcenia	Czas żelowania	Czas wiązania	Kotwy	Kotwy z gwintem wewnętrznym
CS	Utahovací moment	Doba zpracování	Doba vytvrzení	Kotevní tyče	Svorník s vnitřním závitem
SK	Uťahovací moment	Doba spracovania	Doba vytvrdnutia	Kotviace tyče	Kotva s vnútorným závitom
HU	Forgatónyomaték	Feldolgozási idő	Kikeményedési idő	Horgonyrudak	Belsőmenetes horgony
RO	Cuplu	Timp de punere în operă	Timp de întărire	Bare de ancorare	Ancoră cu filet interior
SL	Navor	Čas obdelave	Čas strjevanja	Sidra	Sidro z notranjim navojem
HR	Okretni moment	Vrijeme obrade	Vrijeme stvrđnjavanja	Sidrene šipke	Sidro s unutrašnjim navojem



SR	Obrtni moment	Vreme obrade	Vreme otvrdnjavanja	Šipke za ankerovanje	Kotva s unutrašnjim navojem
TR	Tork	Kullanma süresi	Sertleşme süresi	Dübel çubukları	İçten dişli dübel
EL	Ροπή σύσφιξης	Χρόνος επεξεργασίας	Χρόνος σκλήρυνσης	Ντίζες αγκύρωσης	Αγκύρια εσωτερικού σπειρώματος
BG	Въртящ момент	Време за обработка	Време за втвърдяване	Анкерни пръти	Анкерен болт с вътрешна резба
RU	Крутящий момент	Время обработки	Время отверждения	Анкерные болты	Анкеры с внутренней резьбой
UK	Крутний момент	Час обробки	Час затвердіння	Анкерні шпильки	Анкер із внутрішнім різьбленням

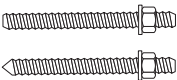
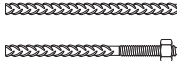
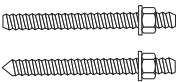
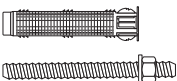
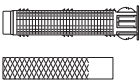


DE	Bewehrungsstab Bewehrungsanker	Innengewinde- anker	Ankerhülse Kunststoff	Skalenteile
EN	Reinforcement rod Reinforcement anchor	Internal thread anchor	Plastic anchor sleeve	Scale divisions
FR	Barres d'armatures Ancrage d'armature	Douilles taraudées	Tamis d'injection	Graduations
NL	Wapeningsstaaf Wapeningsanker	Binnendraadanker	Ankerhuls kunststof	Schaalonderdelen
IT	Ferro di ripresa Ancoraggio di ripresa	Ancoraggio con filettatura interna	Boccola di ancoraggio in plastica	Divisioni di scala
ES	Barra de refuerzo Anclaje de refuerzo	Anclaje de rosca interior	Vaina de anclaje plástica	Unidades de escala
PT	Barra de armação Ancoragem de reforço	Ancoragem de rosca interna	Manga de ancoragem em plástico	Intervalos de gradação
DA	Armeringsstav Armeringsanker	Anker med indvendigt gevind	Sihylse kunststof	Skalatrín
SV	Armeringsjärn Armeringsankare	Ankare med innergånga	Ankarhylsa plast	Skaldelar
NO	Wapeningsstaaf Wapeningsanker	Innvendig gjenge anker	Ankerhylse kunststoff	Skaladeler
FI	Tartuntateräs Tartuntaankkuri	Sisäkierreankkuri	Muovinen ankkurihylsy	Asteikkojaot
ET	Sarrusvarras Sarrusankur	Sisekeermega ankur	Ankurhülss plast	Skaala jaotused
LV	Enkura stiegrojuma Stienis	Iekšējās vītnes enkurs	Plastmasas enkura uzmava	Skalas iedaļas
LT	Armatūrinis strypas, Armatūrinis inkaras	Inkaras su vidiniu sriegių	Plastikinė inkarinė įvorė	Skalės padalos
PL	Pręt zbrojarski Kotwa zbrojarska	Kotwa z gwintem wewnętrzny	Tuleja kotwiąca syntetyczna	Podziałki skali
CS	Výztužná tyč Kotva výztuže	Svorník s vnitřním závitem	Kotevní pouzdro plast	Díly na stupnici
SK	Výstužný prút Vystužovacia kotva	Kotva s vnútorným závitom	Puzdro z plastu	Diely na stupnici
HU	Betonvas rúd Horgonyzó vas	Belsőmenetes horgony	Műanyag horgonyhüvely	Skálárészértékek
RO	Tijă de armătură Ancoră de armătură	Ancoră cu filet interior	Manșon de ancoră material plastic	Diviziuni scală
SL	Armaturna palica Sidro armature	Sidro z notranjim navojem	Plastični sidrni vložek	Razdelki na skali
HR	Armaturna šipka Armaturno sidro	Sidro s unutrašnjim navojem	Plastična košuljica sidra	Dijelovi skale



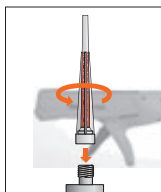
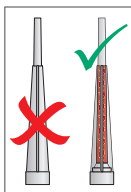
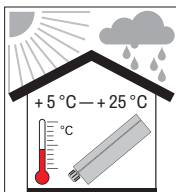
SR	Armaturna šipka Armaturna kotva	Kotva sa unutrašnjim navojem	Plastična košuljica kotve	Delovi skale
TR	Takviye çubuğu Takviye demiri	İçten dişli dübel	Plastik dübel kovani	Kadran bölümleri
EL	Ράβδος οπλισμού Αγκύριο οπλισμού	Αγκύρια με εσωτερικό σπείρωμα	Πλαστικά βύσματα αγκύρωσης	Διαβαθμίσεις κλίμακας
BG	Армировъчен прът Армировъчен анкерен болт	Анкерен болт с вътрешна резба	Анкерна втулка пластмаса	Части на скалата
RU	Арматурный стержень Арматурный анкер	Анкер с внутренней резьбой	Анкерная гильза пластиковая	Деление шкалы
UK	Арматурний стрижень Арматурний анкер	Анкер із внутрішнім різьбленням	Анкерна гільза Полімерний матеріал	Поділки шкали



	 CE ETA-24/1248, EAD 330499-01-0601, Option 1 for cracked concrete		MCS Plus A / BCA	13 / 16 / 17
	 CE ETA-12/1248, EAD 330499-01-0601, Option 1 for cracked concrete		MCS Plus I	14 / 16 / 18
	 CE ETA-12/1248, EAD 330499-01-0601, Option 7 for non-cracked concrete		Rebar / BRA	15 / 16 / 17
	 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		MCS Plus A / BCA	19 / 21 / 22
	 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		MCS Plus E	20 / 21 / 23
	 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		MCS Plus H + MCS Plus A / BCA	24 / 25 / 27
	 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		MCS Plus H + MCS Plus E	26 / 27
	 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		MCS Plus H 18 x 130/200, MCS Plus H 22 x 130/200 MCS Plus A / BCA	28 / 29

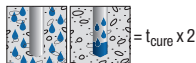


OK ?



Mixer MCS Uni Plus

	 t_{work} MCS Protect Plus	 t_{cure} MCS Protect Plus
-10 °C – -5 °C	6 h	72 h
> -5 °C – ± 0 °C	2 h	24 h
> ± 0 °C – +5 °C	45 min.	12 h
> +5 °C – +10 °C	20 min.	6 h
> +10 °C – +15 °C	8 min.	3 h
> +15 °C – +20 °C	5 min.	2 h
> +20 °C – +25 °C	3 min.	1 h
> +25 °C – +30 °C	2 min.	45 min.
> +30 °C – +40 °C	1 min.	30 min.



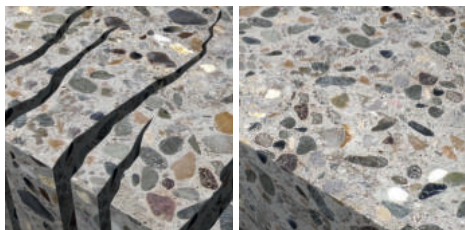
			
Art.No. 1014819	Cartridge gun Premium 18:1	Art. No. 343034	Art.-No. 184393



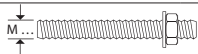
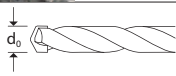
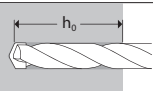
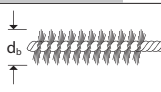
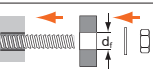
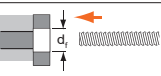
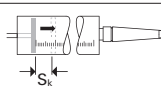
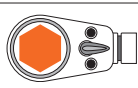
MCS Plus A



BCA

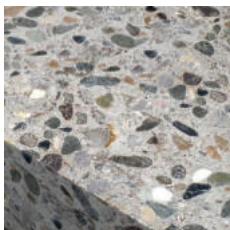
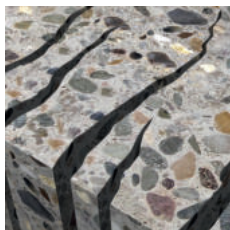


MCS Plus A, BCA

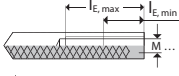
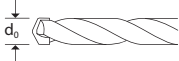
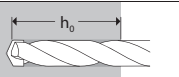
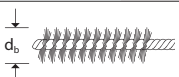
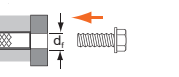
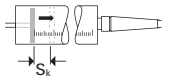
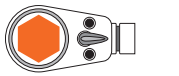
	M8	M10	M12	M16	M20	M24	
  ETA-24/1248, EAD 330499-01-0601, Option 1 for cracked concrete	✓	✓	✓	✓	✓	✓	
  ETA-24/1248, EAD 330499-01-0601, Option 7 for non-cracked concrete	✓	✓	✓	✓	✓	✓	
 d_0 [mm]	10	12	14	18	22	28	
 $h_{0,min}$ [mm]	60	60	70	80	90	96	
	$h_{0,max}$ [mm]	160	200	240	320	400	480
 d_b [mm]	Brush BS	Ø 10	Ø 12	Ø 14	Ø 16/18	Ø 20/22	Ø 28
	d_b [mm]	11	14	16	20	25	30
 d_f [mm]	9	12	14	18	22	26	
 d_f [mm]	12	14	16	20	24	30	
 $Sk(h_{0,min})$ [-]	2	3	3	5	11	14	
	$Sk(h_{0,max})$ [-]	5	7	10	19	48	69
 max. T_{inst} [Nm]	10	20	40	60	120	150	



MCS Plus I



MCS Plus I

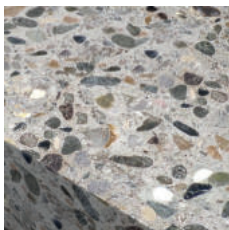
	M8	M10	M12	M16
  ETA-24/1248, EAD 330499-01-0601, Option 1 for cracked concrete	✓	✓	✓	✓
  ETA-24/1248, EAD 330499-01-0601, Option 7 for non-cracked concrete	✓	✓	✓	✓
 $l_{E, \min}$ [mm]	8	10	12	16
$l_{E, \max}$ [mm]	18	23	26	35
 d_0 [mm]	14	18	20	24
 h_0 [mm]	90	90	125	160
 Brush BS	Ø 14	Ø 16/18	Ø 20/22	Ø 24
d_b [mm]	16	20	25	26
 d_f [mm]	9	12	14	18
 Sk [-]	3	4	6	8
 max. T_{inst} [Nm]	10	20	40	80



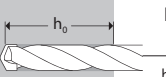
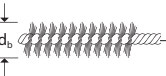
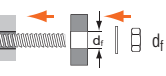
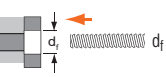
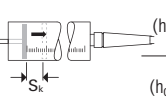
Rebar



BRA



Rebar, BRA

	Rebar	8	10	12	14	16	20	22	24	25	
	BRA	-	-	M12	-	M16	M20	-	-	M24	
  ETA-24/1248, EAD 330499-01-0601, Option 7 for non-cracked concrete	Rebar	✓	✓	✓	✓	✓	✓	✓	✓	✓	
  ETA-24/1248, EAD 330499-01-0601, Option 7 for non-cracked concrete	BRA	-	-	✓	-	✓	✓	-	-	✓	
	d_0 [mm]	10/12	12/14	14/16	18	20	25	28	30	30	
	$h_{0,min}$ [mm]	Rebar	60	60	70	75	80	90	94	98	100
		BRA			170		180	190			196
	$h_{0,max}$ [mm]	Rebar									500
		BRA	160	200	240	280	320	400	440	480	480
	Brush BS	Ø 10/12	Ø 12/14	Ø 14/16/18	Ø 16/18	Ø 20/22	Ø 25	Ø 28	Ø 35	Ø 35	
	d_b [mm]	11/14	14/16	16/20	20	25	27	30	40	40	
	d_f [mm]	BRA	-	-	14	-	18	22	-	-	26
	d_f [mm]	BRA	-	-	18	-	22	26	-	-	32
	$h_{0,min}$ [-]	Rebar	2	2	2	5	6	9	18	15	13
		BRA	-	-	5	-	14	21	-	-	26
	$h_{0,max}$ [-]	Rebar	3	5	6	17	22	40	80	69	61
		BRA	-	-	7	-	24	43	-	-	63
	max. T_{inst} [Nm]	BRA	-	-	40	-	60	120	-	-	150



MCS Plus A / BCA



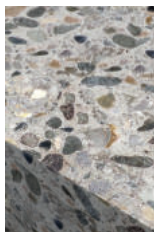
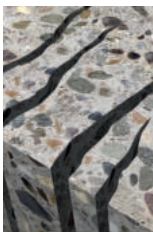
MCS Plus I



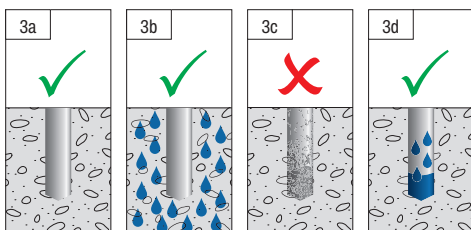
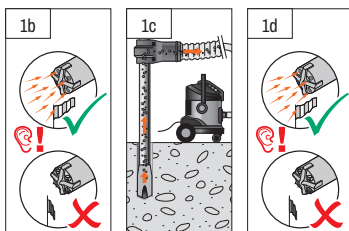
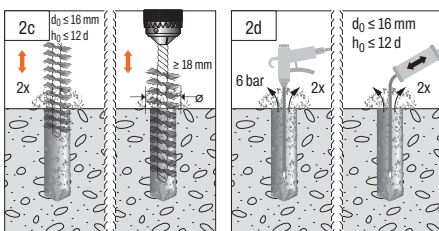
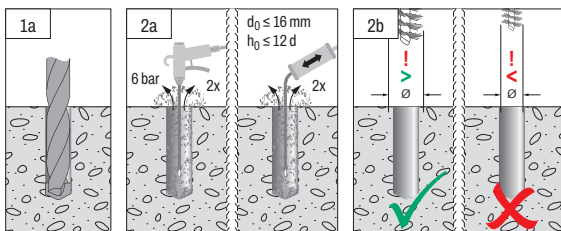
Rebar



BRA



MCS Plus A / BCA, MCS Plus I, Rebar, BRA





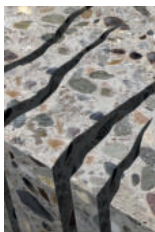
MCS Plus A / BCA



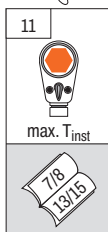
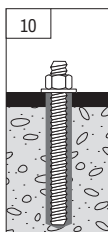
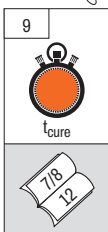
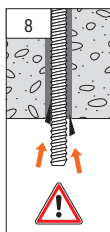
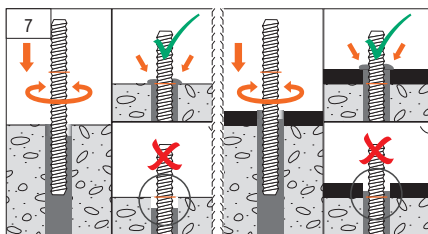
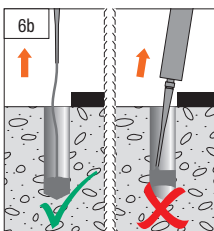
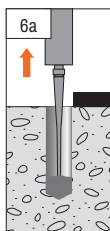
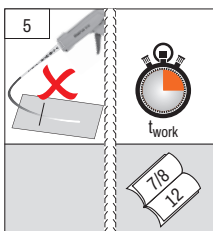
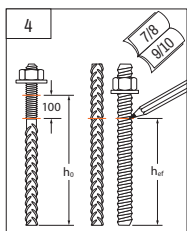
Rebar



BRA

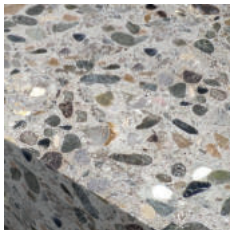


MCS Plus A / BCA, Rebar, BRA

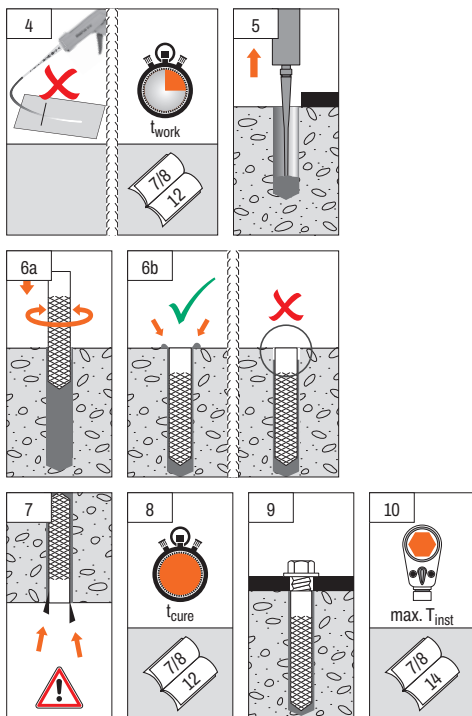




MCS Plus I



MCS Plus I

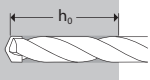
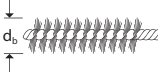
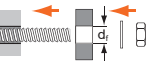
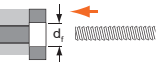
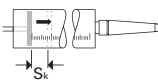
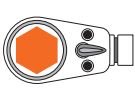




MCS Plus A / BCA



MCS Plus A / BCA

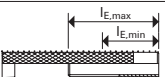
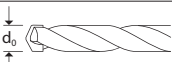
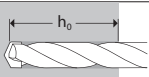
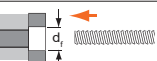
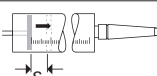
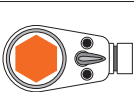
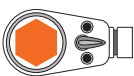
 MCS Plus A / BCA	M8	M10	M12	M16
 CE ETA-24/1250, EAD 330078-01-0604, Masonry use categories b, c or d	✓	✓	✓	✓
 d_0 [mm]	10	12	14	18
 $h_{0,min}$ [mm]	50	50	50	50
$h_{0,max}$ [mm]	200	200	200	200
 Brush BS d_b [mm]	Ø 10	Ø 12	Ø 14	Ø 18
 d_f [mm]	9	12	14	18
 d_f [mm]	11	14	16	20
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MCS Plus E



MCS Plus E

 MCS Plus E	M8	M10	M12
 ETA-24/1250, EAD 330078-01-0604, Masonry use categories b, c or d	✓	✓	✓
 $l_{E,min}$ $l_{E,max}$	8 60	10 60	12 60
 d_0 [mm]	14	18	18
 h_0 [mm]	85	85	85
 Brush BS	Ø 14	Ø 18	Ø 18
 d_b [mm]	16	20	20
 d_f [mm]	9	12	14
 Sk [-]	5	6	6
 min. T_{inst} [Nm] max. T_{inst} [Nm]	0	0	0
	 berner.shop.eu → ETA-24/1250  ETA-24/1250, EAD 330078-01-0604, Masonry use categories b, c or d		



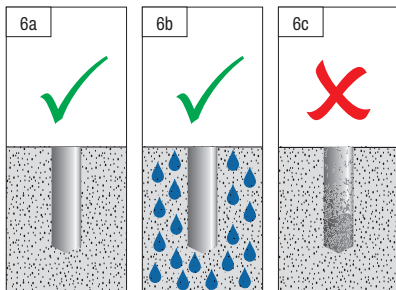
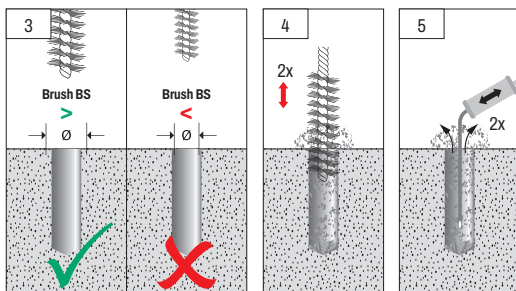
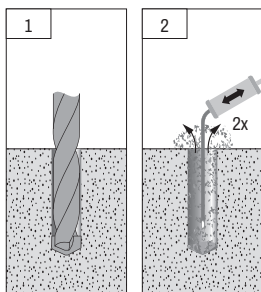
MCS Plus A / BCA



MCS Plus E



MCS Plus A / BCA, MCS Plus E

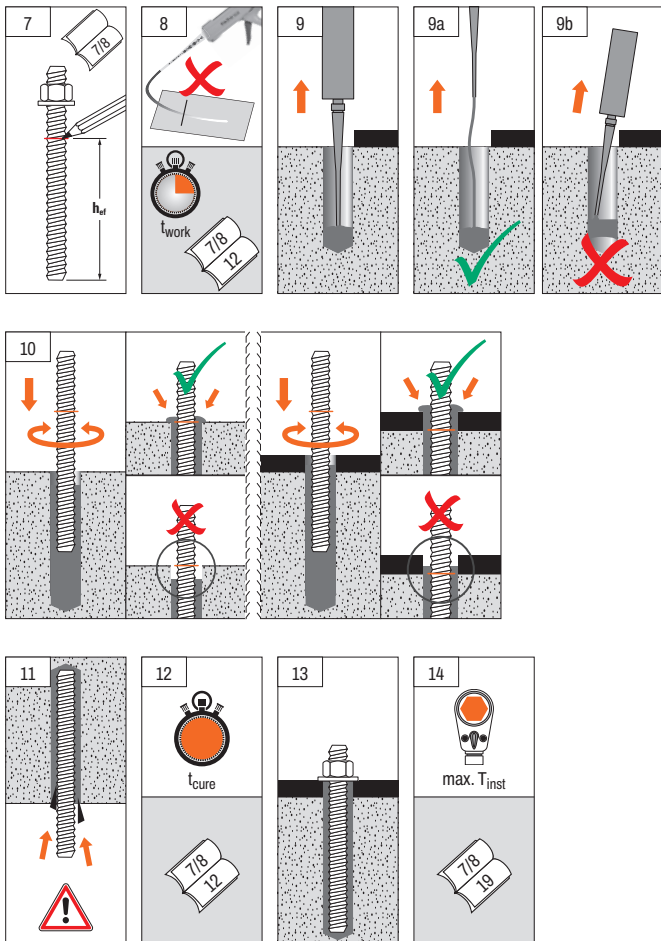




MCS Plus A / BCA



MCS Plus A / BCA

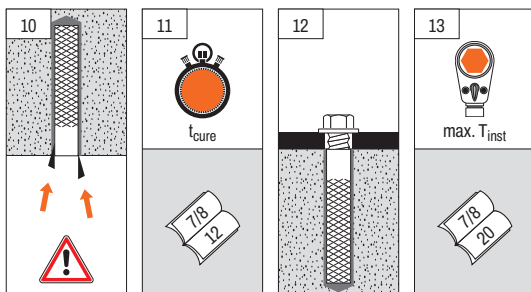
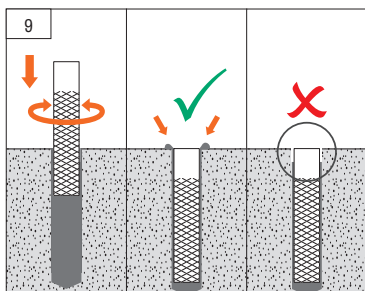
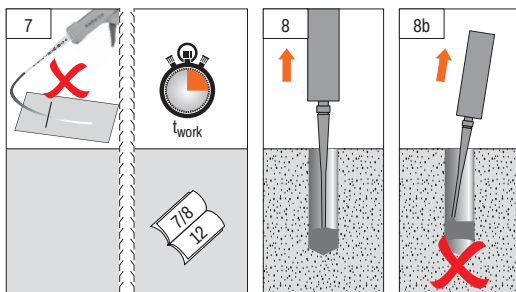




MCS Plus E



MCS Plus E





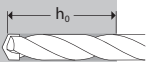
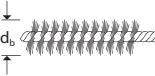
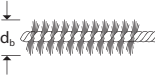
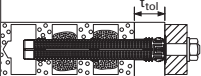
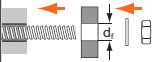
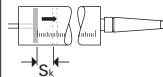
MCS Plus A / BCA



MCS Plus H



MCS Plus A / BCA

 MCS Plus A / BCA	M8				M10	
	MCS Plus H					
 CE ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d	✓	✓	✓	✓	✓	✓
 d_0 [mm]	12	12	16	16	16	16
 h_0 [mm]	55	90	90	135	90	135
 Brush BS d_b [mm]	Ø 12	Ø 12	Ø 16	Ø 16	Ø 16	Ø 16
 d_b [mm]	14	14	20	20	20	20
 t_{tol} [mm]	0	20	0	20	0	20
 d_f [mm]	9	9	9	9	12	12
 Sk [-]	6	12	15	18	15	18
 min. T_{inst} [Nm]	0	0	0	0	0	0
 max. T_{inst} [Nm]	 shop.berner.eu → ETA-24/1250					



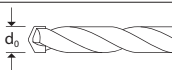
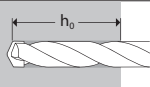
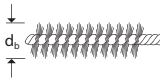
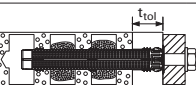
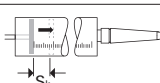
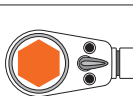
MCS Plus A / BCA



MCS Plus H



MCS Plus A / BCA

 MCS Plus A / BCA	M12		M16	
 MCS Plus H	20 x 85	20 x 130	20 x 85	20 x 130
 ETA-24/1250, EAD 330078-01-0604, Masonry use categories b, c or d	✓	✓	✓	✓
 d_0 [mm]	20	20	20	20
 h_0 [mm]	90	135	90	135
 Brush BS d_b [mm]	Ø 20	Ø 20	Ø 20	Ø 20
 t_{tol} [mm]	0	20	0	20
 d_f [mm]	14	14	18	18
 Sk [-]	18	29	18	29
 min. T_{inst} [Nm]	0	0	0	0
 max. T_{inst} [Nm]	 shop.berner.eu → ETA-24/1250			
 ETA-24/1250, EAD 330078-01-0604, Masonry use categories b, c or d				



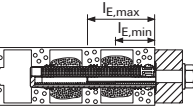
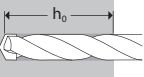
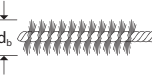
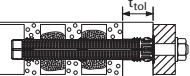
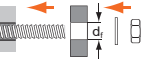
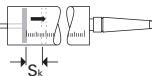
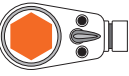
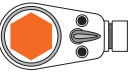
MCS Plus E



MCS Plus H



MCS Plus E

 MCS Plus E	M8	M10	M12
 MCS Plus H	16 x 85	20 x 85	20 x 85
 ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d	✓	✓	✓
 $l_{E,min}$ $l_{E,max}$	8	10	12
 d_0 [mm]	16	20	20
 h_0 [mm]	90	90	90
 Brush BS d_b [mm]	Ø 16 20	Ø 20 25	Ø 20 25
 t_{tol} [mm]	0	0	0
 d_f [mm]	9	12	14
 S_k	14	18	18
 min. T_{inst} [Nm]	0	0	0
 max. T_{inst} [Nm]	 shop.berner.eu → ETA-24/1250		
	 ETA-24/1250, EAD 330076-01-0604, Masonry use categories b, c or d		



MCS Plus A / BCA



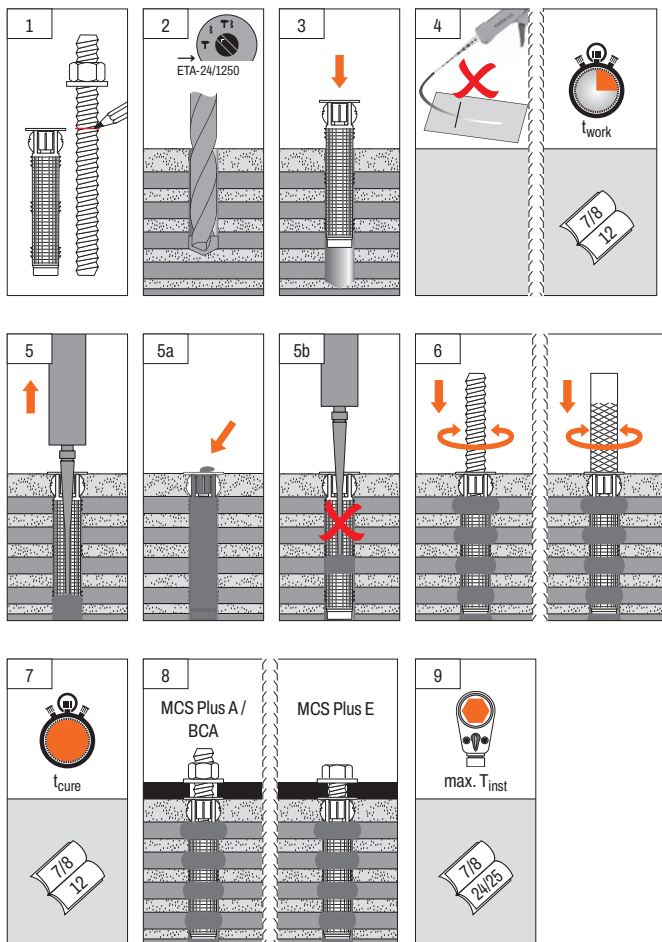
MCS Plus E



MCS Plus H



MCS Plus A / BCA, MCS Plus E, MCS Plus H





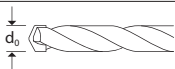
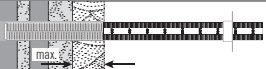
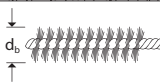
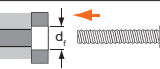
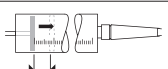
MCS Plus A / BCA



MCS Plus H 18 x 130/200,
MCS Plus H 22 x 130/200



MCS Plus A / BCA, MCS Plus H 18 x 130/200, MCS Plus H 22 x 130/200

	MCS Plus A / BCA	M10	M12	M16
	MCS Plus H	18 x 130/200	18 x 130/200	22 x 130/200
		✓	✓	✓
	d_0 [mm]	18	18	22
	t_{tol} [mm]	0	0	0
	$t_{fix, max}$ [mm]	200	200	200
	h_0 [mm]	$135 + t_{fix}$	$135 + t_{fix}$	$135 + t_{fix}$
	Brush BS	Ø 18	Ø 18	Ø 20
	d_b [mm]	20	20	25
	d_f [mm]	18	18	22
	$Sk(h_{0,min})$ [-]	23	22	34
	$Sk(h_{0,max})$ [-]	42	41	52
	min. T_{inst} [Nm]	0	0	0
	max. T_{inst} [Nm]	 shop.berner.eu → ETA-24/1250		





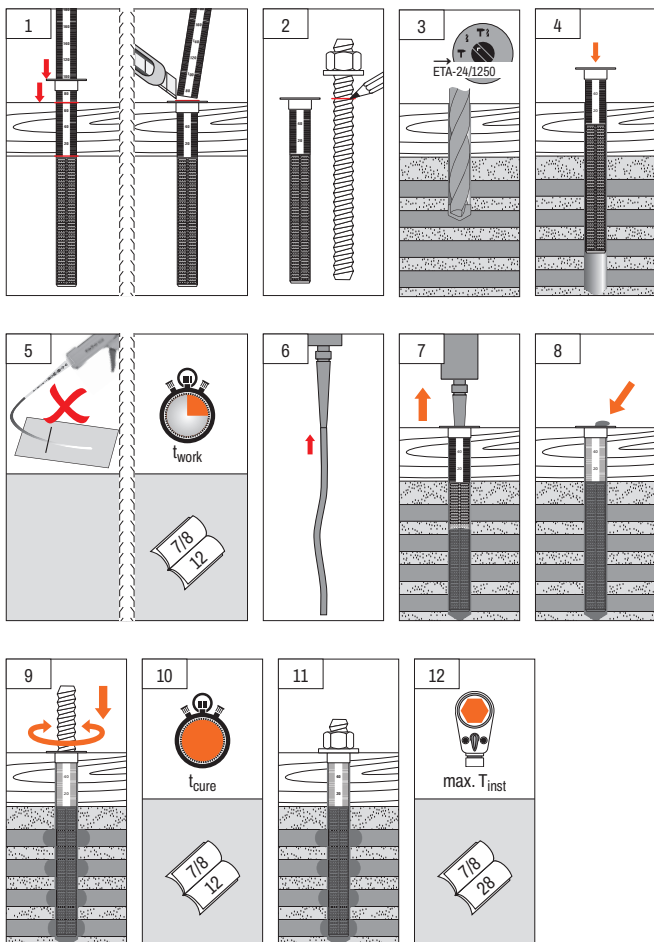
MCS Plus A / BCA



MCS Plus H 18 x 130/200,
MCS Plus H 22 x 130/200



MCS Plus A / BCA, MCS Plus H 18 x 130/200, MCS Plus H 22 x 130/200





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