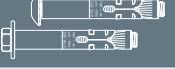
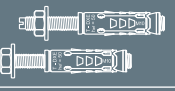
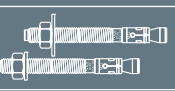


		 HXE-CONCRETO® - Concrete screws	- Concreto® - Vis à béton avec ATE-CE - Concreto® - Betonschrauben mit ETA-CE Zulassung - Concreto® - Tornillos para hormigón, homologados ETA-CE - Concreto® - Шурупы по бетону, с допуском ETA-CE	90
		 HVE-ROCK® - Heavy duty steel anchors, ETA Approved	- HVE ROCK® - Cheville pour charges lourdes avec ATE-CE - HVE ROCK® - Schwerlastanker mit ETA-CE Zulassung - HVE Rock® - Anclajes altas prestaciones, homologados ETA-CE - HVE-ROCK® - Стальные анкеры для больших нагрузок, с допуском ETA-CE	100
		 DSE - Sleeve anchors, ETA Approved	- DSE - Cheville à douille avec ATE-CE - DSE - Hülseanker mit ETA-CE Zulassung - DSE - Anclajes plancha envuelta, homologados ETA-CE - DSE - Стальные анкеры, с допуском ETA-CE	106
		 Sleeve anchors	- DS - Cheville à douille avec cône fixe - DS - Hülseanker mit festem Konus - DS - Anclajes plancha envuelta - DS - Стальные втулочные анкеры	110
		 DXE - Sleeve anchors with unlosable nut, ETA Approved	- DXE - Cheville à douille avec cône fixe avec ATE-CE - DXE - Hülseanker mit festem Konus mit ETA-CE Zulassung - DXE - Anclajes plancha envuelta con cono enganchado, homologados ETA-CE - DXE - Стальные втулочные анкеры, с допуском ETA-CE	114
		 DX - Sleeve anchors with unlosable nut	- DX - Cheville à douille avec cône fixe - DX - Hülseanker mit festem Konus - DX - Anclajes plancha envuelta con cono enganchado - DX - Стальные втулочные анкеры	116
		 Steel anchors with wings	- Cheville à douille avec ailettes - Hülseanker mit Flügel - Anclajes con alas - Стальные втулочные анкеры с блокировочными усам	122
		 Wedge anchors	- Barres d'ancrage - Ankern - Anclajes machos - Анкерные болты	124
		 Sleeve anchors with flanged nut	- Cheville à douille avec écrou à embase moleté - Hülseanker mit gerändelter Schraubenmutter mit Flansch - Anclaje plancha envuelta con tuerca rebordeada - Стальной анкер с фланцевой гайкой	132
		 Hit anchors with flanged nut	- Barres d'ancrage à marteler - Ankern zu hämmern - Anclaje clavable con tuerca rebordeada - Ударный анкер с фланцевой гайкой	133
		 Drop-in anchors	- Cheville avec cône d'expansion interieur - Dübel mit Innenkonus - Anclaje hembra con cono interior - Забивные анкеры	134
		 Eyebolts for scaffolding fixing	- Piton pour échafaudages - Augbolzen für Gerüsten - Argollas para fijación de andamios - Рым-болты для крепления строительных лесов	136
		 Steel pipes for connection eyebolt-scaffolding	- Tuyaux pour liaison entre piton et échafaudage - Arm um Augbolzen und Gerüste zu verbinden - Extensiones de acero para unión entre andamia y argolla - Стальные трубы для соединения строительных лесов	142
		 Hexagonal steel brackets	- Support hexagonal pour consoles - Sechskanthalter für Konsole - Soporte hexagonal - Шестигранные стальные кронштейны	144
		 Knurled brass anchor	- Cheville en laiton moletée - Gerändelter Dübel aus Messing - Taco de latón - Забивной латунный анкер	144
		 Chemical anchors stud with nut and washer	- Tige filetée pour fixations chimiques, avec écrou et rondelle - Gewindestange für chemischen Befestigungen, mit Schraubenmutter und Scheibe - Espárrago para anclaje químico, con tuerca y argolla - Резьбовый стержень с гайкой и шайбой для химической анкеровки	145
		 Slotted dog point steel bar 8.8 grade with hex nut and washer	- Tige filetée fendue classe 8.8 avec écrou hexagonal et rondelle - Gewindestange mit Schlitz Klasse 8.8 mit Sechskantmutter und Scheibe - Espárrago para anclaje químico, clase 8.8, con tuerca y argolla - Резьбовый стержень класса 8.8 с гайкой и шайбой	146
		 Hook and Eye machine screws	- Vis œillet et crochet rond - Augenschraube und Rundhaken - Gancho y argolla - Кольцо и крюк с резьбой	146
		 Chemical fixings, ETA Approved	- Fixations chimiques - Chemische Befestigungen - Fijaciones químicas - Химические анкеры	147
		 Chemical fixing accessories (hand guns and sleeves)	- Accessoires pour Fixations chimiques - Zubehöre für chemische Befestigungen - Accesorios para fijaciones químicas - Аксессуары для химической анкеровки	152

Heavy duty fixing systems

-  Systèmes pour fixation lourde
-  Schwere Befestigungssysteme
-  Sistemas para fijaciones pesadas
-  Крепежные системы для тяжелых конструкций

HXE 01

CONCRETO

Patented hexagonal flanged washer head with serration concrete screw, zinc plated, ETA-CE Opt.1 certified

- Vis à béton brevetée tête hexagonale à embase avec rondelle intégrée moletée sous la tête, en acier zingué, certification ATE-CE Option 1
- Verzinkte PATENTIERTE Sechskant- Betonschraube mit gerändelter Unterlegscheibe mit Flansch, mit ETA-CE Zulassung Option 1
- Tornillo PATENTADO para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, de acero cincado, Homologado ETA-CE Opción 1
- Запатентованный стальной оцинкованный шуруп по бетону с шестигранной головкой со скошенным буртом, с сертификатом ETA-CE опция 1

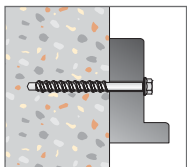


European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-11/0336 ETAG 001 - PART 1 and 3
DoP available on www.tecni.it/DoP

Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - AF 10			
HXE 01 08 080	8 x 80 / 20	50	500
HXE 01 08 100	8 x 100 / 40	50	500
HXE 01 08 120	8 x 120 / 60	50	500
HXE 01 08 140	8 x 140 / 80	50	500
Ø 10 - AF 13			
HXE 01 10 080	10 x 80 / 10	50	500
HXE 01 10 100	10 x 100 / 30	25	250
HXE 01 10 120	10 x 120 / 50	25	250
HXE 01 10 140	10 x 140 / 70	25	250
HXE 01 10 160	10 x 160 / 90	25	250
Ø 12 - AF 15			
HXE 01 12 090	12 x 90 / 10	25	250
HXE 01 12 110	12 x 110 / 30	25	250
HXE 01 12 130	12 x 130 / 50	25	250
HXE 01 12 150	12 x 150 / 70	25	250
HXE 01 12 190	12 x 190 / 110	20	100
HXE 01 12 210	12 x 210 / 130	20	100
HXE 01 12 250	12 x 250 / 170	15	75
HXE 01 12 290	12 x 290 / 210	15	75
Ø 16 - AF 21			
HXE 01 16 130	16 x 130 / 20	10	100
HXE 01 16 150	16 x 150 / 40	10	100
HXE 01 16 180	16 x 180 / 70	10	100

ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE
R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

Usage / Utilisation / Benutzung / Uso / Применение

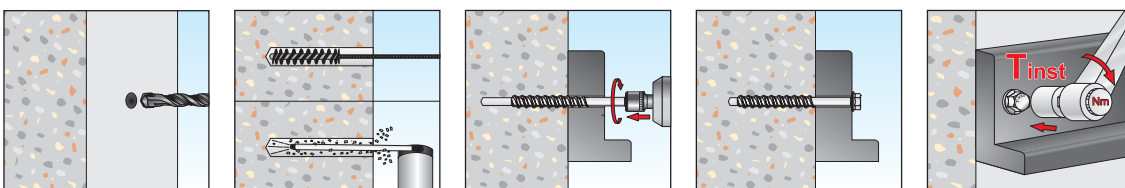


For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP

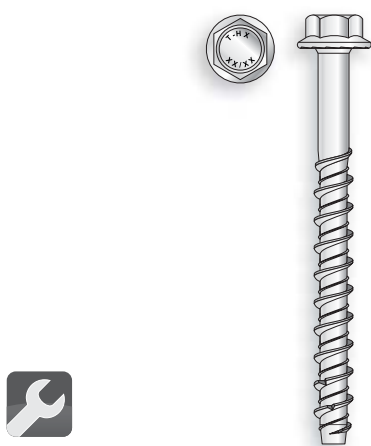


Declaration of Performance

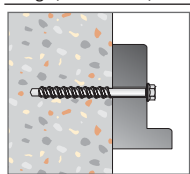
HX 21

CONCRETO

- Patented hexagonal flanged washer head with serration concrete screw, zinc plated**
- Vis à béton brevetée tête hexagonale à embase avec rondelle intégrée moletée sous la tête, en acier zingué
 - Verzinkte PATENTIERTE Sechskant- Betonschraube mit gerändelter Unterlegscheibe mit Flansch
 - Tornillo PATENTADO para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, de acero cincado
 - Запатентованный стальной оцинкованный шуруп по бетону с шестигранной головкой со скошенным буртом



Usage / Utilisation / Benutzung / Uso / Применение



For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка

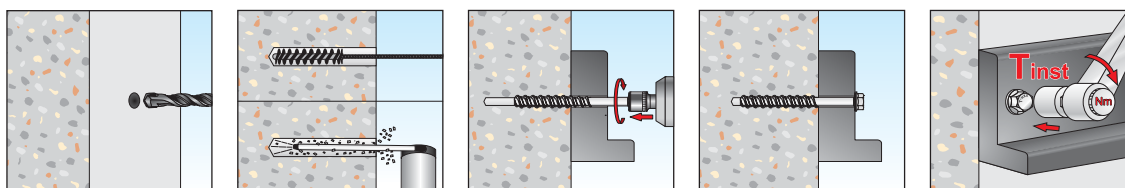


Item code	Screw size $\emptyset \times L_s / t_{fix} \text{ (mm)}$	Pcs. per box	Pcs. per carton
Ø 6 - AF 8			
⚠ HX 21 06 045	6,6 x 45 / 5	200	2.000
⚠ HX 21 06 060	6,6 x 60 / 10	100	1.000
⚠ HX 21 06 080	6,6 x 80 / 30	100	1.000
⚠ HX 21 06 100	6,6 x 100 / 50	100	1.000
⚠ HX 21 06 120	6,6 x 120 / 70	100	1.000
Ø 8 - AF 10			
⚠ HX 21 08 040	7,8 x 40 / 5	100	1.000
⚠ HX 21 08 045	7,8 x 45 / 5	100	1.000
⚠ HX 21 08 050	7,8 x 50 / 10	100	1.000
⚠ HX 21 08 060	7,8 x 60 / 10	100	1.000
⚠ HX 21 08 080	7,8 x 80 / 20	50	500
⚠ HX 21 08 100	7,8 x 100 / 40	50	500
⚠ HX 21 08 120	7,8 x 120 / 60	50	500
⚠ HX 21 08 140	7,8 x 140 / 80	50	500
Ø 10 - AF 13			
⚠ HX 21 10 060	10 x 60 / 10	50	500
⚠ HX 21 10 080	10 x 80 / 10	50	500
⚠ HX 21 10 100	10 x 100 / 30	25	250
⚠ HX 21 10 120	10 x 120 / 50	25	250
⚠ HX 21 10 140	10 x 140 / 70	25	250
⚠ HX 21 10 160	10 x 160 / 90	25	250
Ø 12 - AF 15			
⚠ HX 21 12 090	12 x 90 / 10	25	250
⚠ HX 21 12 110	12 x 110 / 30	25	250
⚠ HX 21 12 130	12 x 130 / 50	25	250
* HX 01 12 170	12 x 170 / 90	25	250
* HX 01 12 210	12 x 210 / 130	20	100
* HX 01 12 230	12 x 230 / 150	20	100
* HX 01 12 250	12 x 250 / 170	15	75
* HX 01 12 290	12 x 290 / 210	15	75
* HX 01 12 310	12 x 310 / 230	15	75
Ø 16 - AF 21			
* HX 01 16 090	16 x 90 / 10	15	150
* HX 01 16 130	16 x 130 / 20	10	100
* HX 01 16 150	16 x 150 / 40	10	100
* HX 01 16 180	16 x 180 / 70	10	100

- * Until stockout
 ⚠ Jusqu'à épuisement des stocks
 ⚠ Solange der Vorrat reicht
 ⚠ Hasta agotar existencias
 ⚠ до окончания стока

- ⚠ Special finishing (Item code HX01) until stockout, then zinc plated (Item code HX21)
 ⚠ Avec finition spéciale (HX01) jusqu'à épuisement des stocks. Ensuite de quoi livraison avec finition zinguée (code HX21)
 ⚠ Mit spezieller Beschichtung (HX01) solange der Vorrat reicht. Nachher mit verzinkter Beschichtung (HX21) verfügbar
 ⚠ Con acabado especial (código HX01) hasta agotar existencias. Luego se entregará el producto en cincado (código HX21)
 ⚠ Доставка со специальным покрытием (код HX01) до окончания стока.
 ⚠ Далее: будут на распродаже с оцинкованным покрытием (код HX21)

Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet

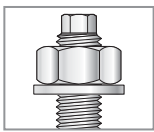


HXE 02 ^{New}

CONCRETO

Patented dual thread concrete screw with hex shank, with nut and washer, zinc plated, ETA-CE Opt.1 certified

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, avec écrou et rondelle, en acier zingué, certification ATE-CE Option 1
- Doppelgewinde- Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, mit Mutter und Scheibe, verzinkt, mit ETA-CE Zulassung Option 1
- Tornillo para hormigón con doble rosca (métrica + especial PATENTADA), con vástago hexagonal, tuerca y arandela, de acero cincado, Homologado ETA-CE Opción 1
- Двухсторонний стальной оцинкованный шуруп по бетону с шестигранным наконечником, с гайкой и шайбой с сертификатом ETA-CE опция 1



Item code	Screw size Ø x Ls / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank: 5			
HXE 02 08 090	8 x 90 / 10	100	500
HXE 02 08 120	8 x 120 / 40	100	500
HXE 02 08 160	8 x 160 / 80	50	250
Ø 10 - Hex shank: 7			
HXE 02 10 105	10 x 105 / 10	50	250
HXE 02 10 125	10 x 125 / 30	50	250
HXE 02 10 195	10 x 195 / 100	25	125
Ø 12 - Hex shank: 8			
HXE 02 12 118	12 x 118 / 10	25	125
HXE 02 12 138	12 x 138 / 30	25	125
HXE 02 12 208	12 x 208 / 100	25	125
HXE 02 12 248	12 x 248 / 140	25	125

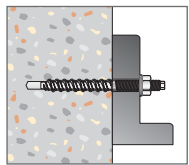
ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности



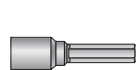
European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-11/0336 ETAG 001 - PART 1 and 3
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete.

One special bit free per box (Item code: JP 00)

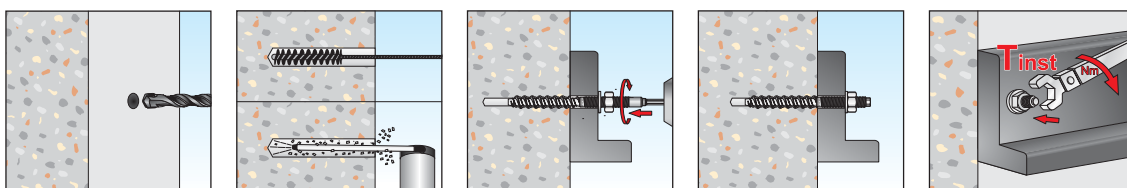


one bit free per box
Un embout gratuit dans chaque boîte
Zu jeder Verpackung ein Bit kostenlos
Una punta de atornillar en cada caja
Один бесплатный бит в каждой упаковке

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



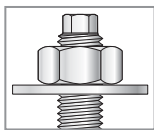
Declaration of Performance

HXE 12 ^{New}

CONCRETO

Patented dual thread concrete screw with hex shank, with nut and large washer, zinc plated ETA-CE Opt.1 certified

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, avec écrou et rondelle large, en acier zingué, certification ATE-CE Option 1
- Doppelgewinde- Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, mit Mutter und breiter Scheibe, verzinkt, mit ETA-CE Zulassung Option 1
- Tornillo para hormigón con doble rosca (métrica + especial PATENTADA), con vástago hexagonal, tuerca y arandela ancha, de acero cincado, Homologado ETA-CE Opción 1
- Двухсторонний стальной оцинкованный шуруп по бетону с шестигранным наконечником, с гайкой и широкой шайбой с сертификатом ETA-CE опция 1



Item code	Screw size Ø x Ls / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank: 5			
HXE 12 08 090	8 x 90 / 10	50	250
HXE 12 08 120	8 x 120 / 40	50	250
HXE 12 08 160	8 x 160 / 80	25	125
Ø 10 - Hex shank: 7			
HXE 12 10 105	10 x 105 / 10	50	250
HXE 12 10 125	10 x 125 / 30	50	250
HXE 12 10 195	10 x 195 / 100	25	125
Ø 12 - Hex shank: 8			
HXE 12 12 118	12 x 118 / 10	25	125
HXE 12 12 138	12 x 138 / 30	25	125
HXE 12 12 208	12 x 208 / 100	25	125
HXE 12 12 248	12 x 248 / 140	15	75

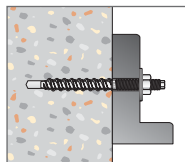
ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности



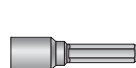
European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-11/0336 ETAG 001 - PART 1 and 3
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete.

One special bit free per box (Item code: JP 00)

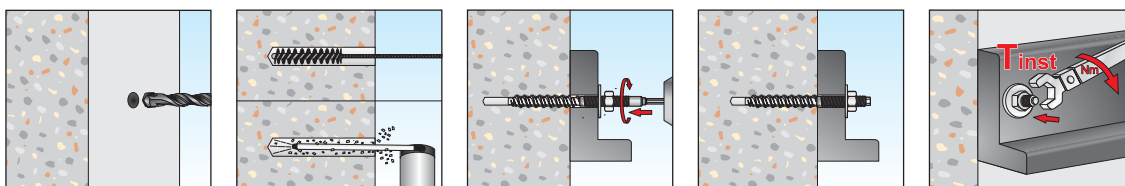


one bit free per box
Un embout gratuit dans chaque boîte
Zu jeder Verpackung ein Bit kostenlos
Una punta de atornillar en cada caja
Один бесплатный бит в каждой упаковке

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

HXE 85 ^{New}

CONCRETO

Patented dual thread concrete screw with hex shank, zinc plated, ETA-CE Opt.1 certified

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, en acier zingué, certification ATE-CE Option 1
- Doppelgewinde- Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, verzinkt, mit ETA-CE Zulassung Option 1
- Tornillo para hormigón con doble rosca (métrica + especial PATENTADA), con vástago hexagonal, de acero cincado, Homologado ETA-CE Opción 1
- Двухсторонний стальной оцинкованный шуруп по бетону с шестигранным наконечником с сертификатом ETA-CE опция 1



European Technical Approval
OPTION 1 for cracked and non-cracked concrete

ETA-11/0336 ETAG 001 - PART 1 and 3
DoP available on www.tecni.it/DoP

Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank: 5			
HXE 85 08 090	8 x 90 / 10	100	500
HXE 85 08 120	8 x 120 / 40	100	500
HXE 85 08 160	8 x 160 / 80	50	250
Ø 10 - Hex shank: 7			
HXE 85 10 105	10 x 105 / 10	50	250
HXE 85 10 125	10 x 125 / 30	50	250
HXE 85 10 195	10 x 195 / 100	25	125
Ø 12 - Hex shank: 8			
HXE 85 12 118	12 x 118 / 10	25	125
HXE 85 12 138	12 x 138 / 30	25	125
HXE 85 12 208	12 x 208 / 100	25	125
HXE 85 12 248	12 x 248 / 140	25	125

ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

DoP

Box / Boîte / Verpackung / Caja / Упаковка



Declaration of Performance



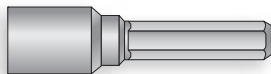
JP 00

Non magnetic HIGH PERFORMANCE nutsetter, 1/4" hex shank, sandblasted finishing

- Capote non-magnétique hexagonale 1/4" pour haute performances, finition sablée
- Hochleistungs- Nichtmagnetischer Sechskant- Steckeneinschlüsseinsatz, 1/4" Mattbehandlung
- Boca hexagonal no magnética para ALTAS PRESTACIONES, mango hexagonal 1/4", acabado arena
- Высокоэффективная немагнитная насадка, шестигранный хвостовик 1/4", матовое покрытие



Nut Setter



Item code	AF size mm	Bit length	Pcs. per box
JP 00 05 045	5	45	10
JP 00 07 045	7	45	10
JP 00 08 050	8	50	10

Box / Boîte / Verpackung / Caja / Упаковка

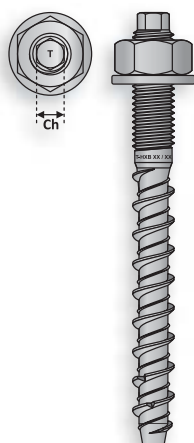


HXB 02

Until stockout
 Jusqu'à épuisement de stocks
 Solange der Vorrat reicht
 Hasta agotar existencias
 До окончания стока

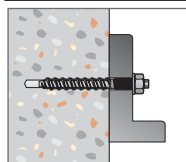
CONCRETO

- Patented dual thread concrete screw with hex shank with nut and washer, special finishing 500 hours SST**
- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, avec écrou et rondelle, finition spéciale 500 heures au brouillard salin
 - Doppelgewinde-Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, mit Mutter und Scheibe, spezielle Behandlung 500 Stunden im Salzprüfversuch
 - Tornillo patentado para hormigón con doble rosca, con vástago hexagonal, tuerca y arandela, especial acabado 500 horas en ensayos en cámara de niebla salina
 - Запатентованный двухсторонний шуруп по бетону с шестигранным наконечником, с гайкой и шайбой, со специальным антикоррозийным покрытием - результаты теста в солевом тумане - 500 часов



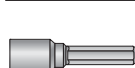
Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank: 5			
HXB 02 08 090	8 x 90 / 10	100	500
HXB 02 08 100	8 x 100 / 20	100	500
HXB 02 08 120	8 x 120 / 40	100	500
HXB 02 08 140	8 x 140 / 60	50	500
HXB 02 08 160	8 x 160 / 80	50	250
Ø 10 - Hex shank: 7			
HXB 02 10 105	10 x 105 / 10	50	250
HXB 02 10 125	10 x 125 / 30	50	250
HXB 02 10 145	10 x 145 / 50	25	125
HXB 02 10 175	10 x 175 / 80	25	125
HXB 02 10 195	10 x 195 / 100	25	125
Ø 12 - Hex shank: 8			
HXB 02 12 118	12 x 118 / 10	25	125
HXB 02 12 138	12 x 138 / 30	25	125
HXB 02 12 158	12 x 158 / 50	25	125
HXB 02 12 188	12 x 188 / 80	25	125
HXB 02 12 208	12 x 208 / 100	25	125

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in concrete.

One special bit free per box (Item code: JP 00)

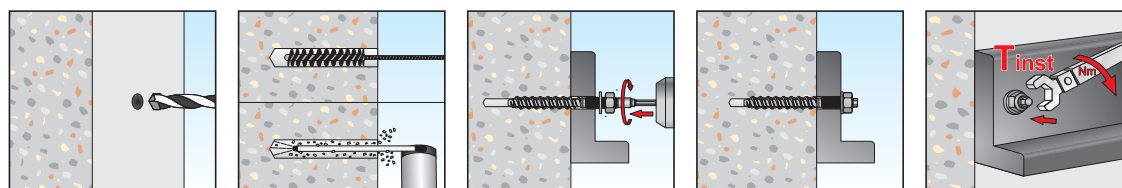


one bit free per box
 Un embout gratuit dans chaque boîte
 Zu jeder Verpackung ein Bit kostenlos
 Una punta de atornillar en cada caja
 Один бесплатный бит в каждой упаковке

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



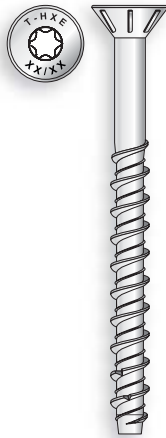
Technical Data Sheet



HXE 03 ^{New}

CONCRETO

- 🇬🇧 **Patented flat CSK head with ribs concrete screw, 6-Lobe recess, zinc plated, ETA-CE Opt.1 certified**
- 🇫🇷 Vis à béton tête fraisée plate avec nervures sous la tête, empreinte à six lobes X, en acier zingué, certification ATE-CE Option 1
- 🇩🇪 Senkkopf- Betonschraube mit Fräsrillen, Innensechsrund, verzinkt, mit ETA-CE Zulassung Option 1
- 🇪🇸 Tornillo para hormigón con cabeza avellanada 6 lóbulos internos con estrías avellanadoras, de acero cincado, Homologado ETA-CE Opción 1
- 🇷🇺 Шуруп по бетону с плоской потайной головкой с насечками из оцинкованной стали с сертификатом ETA-CE опция 1



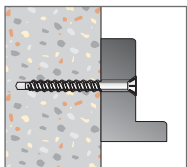
European Technical Approval
OPTION 1 for cracked and non-cracked concrete
 ETA-11/0336 ETAG 001 - **PART 1 and 3**
 DoP available on www.tecni.it/DoP

Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - T-30			
🔥 HXE 03 08 070	8 x 70 / 10	100	1.000
🔥 HXE 03 08 100	8 x 100 / 40	50	500
🔥 HXE 03 08 140	8 x 140 / 80	25	250
Ø 10 - T-40			
🔥 HXE 03 10 080	10 x 80 / 10	50	500
🔥 HXE 03 10 100	10 x 100 / 30	50	500
🔥 HXE 03 10 160	10 x 160 / 90	25	250
Ø 12 - T-50			
🔥 HXE 03 12 100	12 x 100 / 20	25	250
🔥 HXE 03 12 120	12 x 120 / 40	25	250
🔥 HXE 03 12 180	12 x 180 / 100	25	250

🔥 **ETA-CE Option 1 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
 Homologación ETA-CE / Сертификация ETA-CE

🔥 **R120 Fire Resistance Certified item** / Résistance au feu / Feuerwiderstand
 Homologación de resistencia al fuego / Сертификат пожаробезопасности

Usage / Utilisation / Benutzung / Uso / Применение

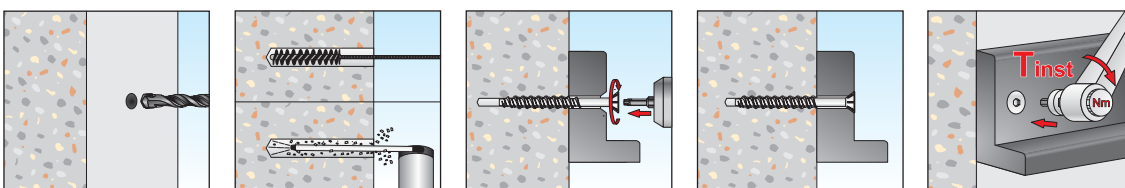


For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

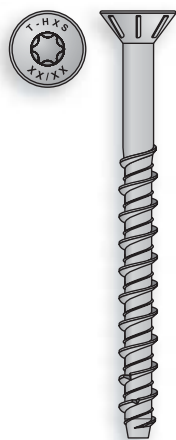
HXS 01



Until stockout
Jusqu'à épuisement de stocks
Solange der Vorrat reicht
Hasta agotar existencias
до окончания стока

CONCRETO

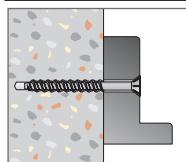
- Patented flat CSK head with ribs concrete screw, special finishing 500 hours SST**
- Vis à béton brevetée tête fraisée plate avec nervures sous la tête, en acier cementé, finition spéciale 500 heures au brouillard salin
- Patentierter Senkkopf- Betonschraube mit Fräsrippen, einsatzgehärtet, spezielle Behandlung 500 Stunden im Salzsprühversuch
- Tornillo PATENTADO para hormigón, cabeza avellanada 6 lóbulos internos con estrías avellanadoras, especial acabado 500 horas en ensayos en cámara de niebla salina
- Запатентованный шуруп по бетону с плоской потайной головкой с насечками из закаленной стали со специальным антикоррозийным покрытием - результаты теста в солевом тумане 500 часов



Item code	Screw size $\varnothing \times L_s / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 6 - T-30			
HXS 01 06 060	6,6 x 60 / 10	100	1.000
HXS 01 06 080	6,6 x 80 / 30	100	1.000
HXS 01 06 100	6,6 x 100 / 50	100	1.000
HXS 01 06 120	6,6 x 120 / 70	100	1.000
Ø 8 - T-30			
HXS 01 08 045	7,8 x 45 / 5	100	1.000
HXS 01 08 060	7,8 x 60 / 10	100	1.000
HXS 01 08 070	7,8 x 70 / 10	100	1.000
HXS 01 08 080	7,8 x 80 / 20	50	500
HXS 01 08 100	7,8 x 100 / 40	50	500
HXS 01 08 120	7,8 x 120 / 60	50	500
Ø 10 - T-40			
HXS 01 10 080	10 x 80 / 10	50	500
HXS 01 10 100	10 x 100 / 30	50	500
HXS 01 10 120	10 x 120 / 50	25	250
HXS 01 10 140	10 x 140 / 70	25	250
HXS 01 10 160	10 x 160 / 90	25	250
Ø 12 - T-50			
HXS 01 12 100	12 x 100 / 20	25	250
HXS 01 12 120	12 x 120 / 40	25	250
HXS 01 12 140	12 x 140 / 60	25	250
HXS 01 12 180	12 x 180 / 100	25	125

- ⚠ **Ø 6 mm screws with T-25 6-lobe recess until stockout, then T-30 recess.**
- Vis Ø 6 mm avec empreinte à six lobes T-25 jusqu'à épuisement des stocks, puis empreinte T-30
- Ø 6 mm Innensechsschrauben solange der Vorrat reicht, dann T-30
- Ø 6 mm: 6 lóbulos internos T-25 hasta agotar existencias, después T-30
- Шуруп Ø 6 мм со шлицем T25 в продаже до окончания стока, затем - T30

Usage / Utilisation / Benutzung / Uso / Применение

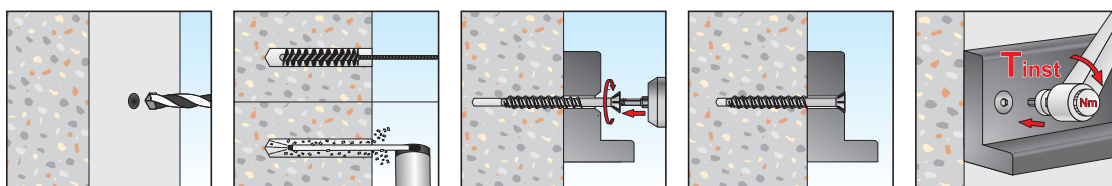


For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



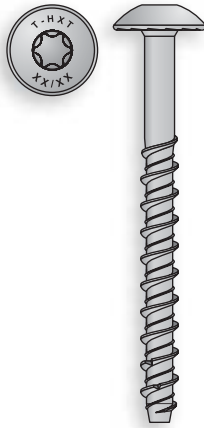
Technical Data Sheet



HXT 01

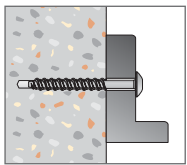
CONCRETO

- Patented mushroom head with serration concrete screw, special finishing 500 hours SST**
- Vis à béton brevetée tête ronde empreinte 6 lobes moletée sous la tête, en acier cementé, finition spéciale 500 heures au brouillard salin
- Patentierte Rundkopf- Betonschraube Innensechsrund, mit gerändelter Unterkopf, einsatzgehärtet, spezielle Behandlung 500 Stunden im Salzprühversuch
- Tornillo PATENTADO para hormigón, cabeza abombada 6 lóbulos internos con estrías bloqueadoras, especial acabado 500 horas en ensayos en cámara de niebla salina
- Запатентованный шуруп по бетону с низкой полукруглой головкой с шестигранным шлицем из закаленной стали со специальным антикоррозийным покрытием - результаты теста в солевом тумане 500 часов



Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - T-30			
HXT 01 08 060	7,8 x 60 / 10	100	1.000
HXT 01 08 080	7,8 x 80 / 20	50	500
HXT 01 08 100	7,8 x 100 / 40	50	500
HXT 01 08 120	7,8 x 120 / 60	50	500
Ø 10 - T-40			
HXT 01 10 060	10 x 60 / 10	50	500
HXT 01 10 080	10 x 80 / 10	50	500
HXT 01 10 100	10 x 100 / 30	25	250
HXT 01 10 120	10 x 120 / 50	25	250

Usage / Utilisation / Benutzung / Uso / Применение

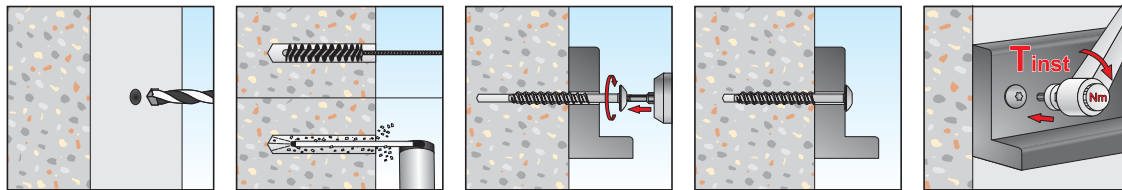


For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

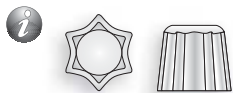


Technical Data Sheet



LB 01

- T-30 and T-40 6-lobe shaped small cap fitting 6-lobe recessed screw, to be hammered**
- Cache-tête à six lobes X T-30 et T-40 pour vis à six lobes, à marteler
- Innensechsrund T-30 und T-40 Schutzkappe für Innensechsrund- Schrauben, zu hämmern
- Tapón clavable para tornillos con cabeza 6 lóbulos internos T-30 y T-40
- Ударный колпачок-заглушка T-30 и T-40 под шестигранный шлиц



Item code	Size	Pcs. per bag	Pcs. per box
LB 01 00 030	T-30	100	5.000
LB 01 00 040	T-40	50	2.500



CONCRETO®

PATENTED concrete screw anchors - ETA-CE Certified



Direct fastening
on concrete
WITHOUT PLUG!

- ✓ Patented designs
- ✓ Extra-long sizes for big thickness of fixture (Tfix)
- ✓ Fixing completely removable
- ✓ No torque control required



European Technical Approval
Option 1 - for cracked and
non-cracked concrete
ETA-13/0336 - ETAG 003 PART 1 and 3
www.tecfi.it/DuP

CONCRETO® Advantages

IN COMPARISON WITH TRADITIONAL STEEL ANCHORS WITH BOLT OR WEDGE ANCHORS*

-30% ✓ Edge distance and spacing between anchors

+35% ✓ Characteristic Pull-out load

+30% ✓ Characteristic Shear load

* The values refer to the comparison between a CONCRETO concrete screw and a classic steel anchor with bolt class 8.8 (DSE type, related to the distance from the edge and to the characteristic pull-out loads), or with wedge anchor (type AJE, related only to the edges distance and to the characteristic shear loads), with an equal nominal diameter. Furthermore, the advantages are clearer and more evident if the comparison is made considering the same drilling hole diameter into the concrete.



HXE 01 Patented hexagonal flanged washer head with serration concrete screw, zinc plated



HXE 02 Patented dual thread concrete screw with hex shank, with nut and washer, zinc plated



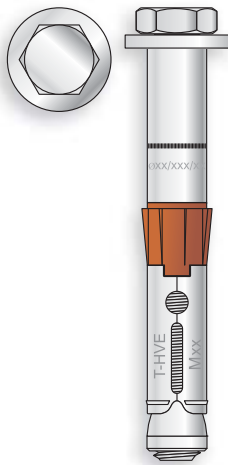
HXE 03 Patented flat CSK head with ribs concrete screw, 6-Lobe recess, zinc plated



HVE 01



-  **High performance steel anchor with 8.8 grade Hex Head screw and special hardness washer with PATENTED design, zinc plated, ETA-CE Opt.1 certified**
-  Cheville haute performances en acier zingué avec vis tête hexagonale classe 8.8 et rondelle spéciale, avec géométries brevetées, certification ATE-CE Option 1
-  Verzinkter Hochleistungs - Schwerlastanker mit Sechskantschraube Klasse 8.8 und spezieller Scheibe, mit PATENTIERTE Geometrien, mit ETA-CE Zulassung Option 1
-  Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza hexagonal clase 8.8 y arandela de dureza especial, con geometrías PATENTADAS, Homologado ETA-CE Opción 1
-  Высокоэффективный стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8 и шайбой особой прочности, с ЗАПАТЕНТОВАННОЙ геометрией, с сертификатом ETA-CE опция 1



European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-10/0060 ETAG 001 - **PART 1 and 2**
DoP available on www.tecni.it/DoP



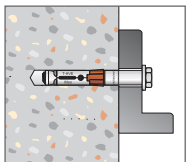
Application submitted for an ICC-ES evaluation report covering seismic action in accordance with ACI 355.2.

Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
 HVE 01 10 070	10 x 70 / 5	M6	50	500
 HVE 01 10 080	10 x 80 / 15	M6	50	500
 HVE 01 10 100	10 x 100 / 35	M6	50	500
 HVE 01 10 120	10 x 120 / 55	M6	25	250
Ø 12 - M8 - AF 13				
 HVE 01 12 080	12 x 80 / 10	M8	50	250
 HVE 01 12 100	12 x 100 / 30	M8	25	250
 HVE 01 12 120	12 x 120 / 50	M8	25	250
 HVE 01 12 140	12 x 140 / 70	M8	25	250
Ø 16 - M10 - AF 17				
 HVE 01 16 100	16 x 100 / 20	M10	20	100
 HVE 01 16 120	16 x 120 / 40	M10	20	100
 HVE 01 16 140	16 x 140 / 60	M10	20	100
 HVE 01 16 160	16 x 160 / 80	M10	20	100
Ø 18 - M12 - AF 19				
 HVE 01 18 120	18 x 120 / 20	M12	10	100
 HVE 01 18 150	18 x 150 / 50	M12	10	50
 HVE 01 18 170	18 x 170 / 70	M12	10	50
 HVE 01 18 200	18 x 200 / 100	M12	10	50
Ø 24 - M16 - AF 24				
 HVE 01 24 140	24 x 140 / 20	M16	5	25
 HVE 01 24 170	24 x 170 / 50	M16	5	25
 HVE 01 24 200	24 x 200 / 80	M16	5	25
 HVE 01 24 220	24 x 220 / 100	M16	5	25

 **ETA-CE Option 1 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

 **R120 Fire Resistance Certified item** / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

Usage / Utilisation / Benutzung / Uso / Применение

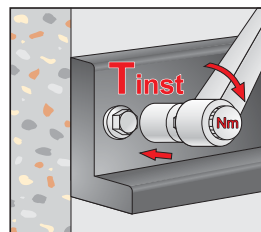
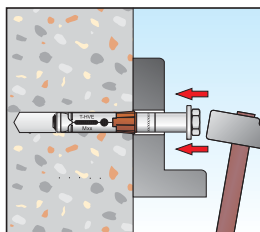
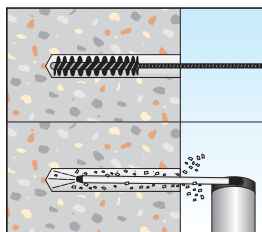
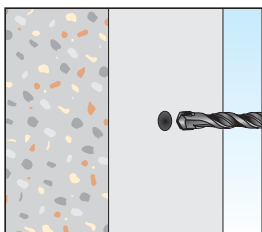


For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP

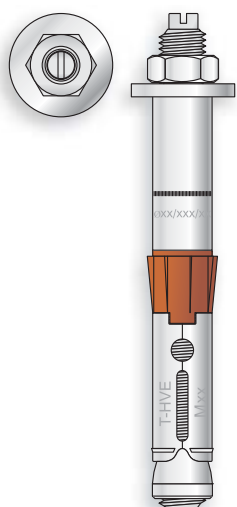


Declaration of Performance

HVE 02



- High performance steel anchor with 8.8 grade Stud, Hex nut and special washer with PATENTED design, zinc plated, ETA-CE Opt.1 certified**
- Cheville haute performances en acier zingué avec tige classe 8.8, écrou et rondelle spéciale, avec géométries brevetées, certification ATE-CE Option 1
- Verzinkter Hochleistungs - Schwerlastanker mit Stange Klasse 8.8, Sechskantmutter und spezieller Scheibe, mit PATENTIERTE Geometrien, mit ETA-CE Zulassung Option 1
- Anclaje de acero cincado para Altas Prestaciones, montado con espárrago clase 8.8, tuerca hexagonal y arandela de dureza especial, con geometrías PATENTADAS, Homologado ETA-CE Opción 1
- Высокоэффективный стальной оцинкованный анкер с резьбовым стержнем класса 8.8 и специальной шайбой, с ЗАПАТЕНТОВАННОЙ геометрией, с сертификатом ETA-CE опция 1



European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-10/0060 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

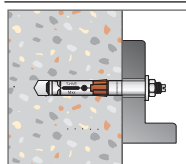
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size M	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
HVE 02 10 070	10 x 70 / 5	M6	50	500
HVE 02 10 080	10 x 80 / 15	M6	50	500
HVE 02 10 100	10 x 100 / 35	M6	50	500
HVE 02 10 120	10 x 120 / 55	M6	25	250
Ø 12 - M8 - AF 13				
HVE 02 12 080	12 x 80 / 10	M8	50	250
HVE 02 12 100	12 x 100 / 30	M8	25	250
HVE 02 12 120	12 x 120 / 50	M8	25	250
HVE 02 12 140	12 x 140 / 70	M8	25	250
Ø 16 - M10 - AF 17				
HVE 02 16 100	16 x 100 / 20	M10	20	100
HVE 02 16 120	16 x 120 / 40	M10	20	100
HVE 02 16 140	16 x 140 / 60	M10	20	100
HVE 02 16 160	16 x 160 / 80	M10	20	100
Ø 18 - M12 - AF 19				
HVE 02 18 120	18 x 120 / 20	M12	10	100
HVE 02 18 150	18 x 150 / 50	M12	10	50
HVE 02 18 170	18 x 170 / 70	M12	10	50
HVE 02 18 200	18 x 200 / 100	M12	10	50
Ø 24 - M16 - AF 24				
HVE 02 24 140	24 x 140 / 20	M16	5	25
HVE 02 24 170	24 x 170 / 50	M16	5	25
HVE 02 24 200	24 x 200 / 80	M16	5	25
HVE 02 24 220	24 x 220 / 100	M16	5	25

ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

Application submitted for an ICC-ES evaluation report covering seismic action in accordance with ACI 355.2 (M8 - Ø12 only).

Usage / Utilisation / Benutzung / Uso / Применение

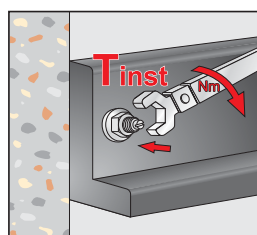
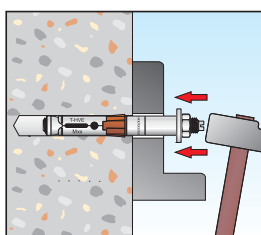
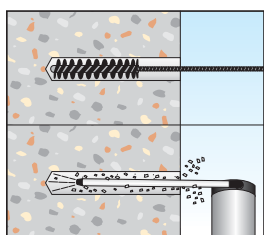
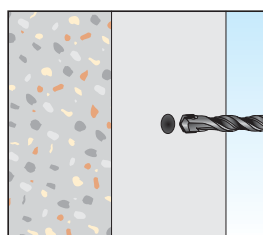


For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP

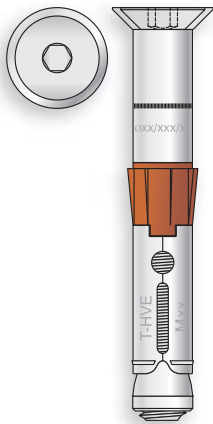


Declaration of Performance

HVE 03



-  **High performance steel anchor with 8.8 grade Flat CSK head Hex recess screw, with PATENTED design, zinc plated, ETA-CE Opt.1 certified**
-  Cheville haute performances en acier zingué avec vis tête fraisée plate classe 8.8, avec géométries brevetées, certification ATE-CE Option 1
-  Verzinkter Hochleistungs- Schwerlastanker mit Senkkopfschraube Klasse 8.8, mit PATENTIERTE Geometrien, mit ETA-CE Zulassung Option 1
-  Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza avellanada con hueco hexagonal clase 8.8, con geometrías PATENTADAS, Homologado ETA-CE Opción 1
-  Высокоэффективный стальной оцинкованный анкер с винтом с потайной головкой класса прочности 8.8 с внутренним шестигранником, с ЗАПАТЕНТОВАННОЙ геометрией, с сертификатом ETA-CE опция 1



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10 - M6 - In-Hex 4				
 HVE 03 10 085	10 x 85 / 20	M6	50	500
 HVE 03 10 105	10 x 105 / 40	M6	50	500
 HVE 03 10 125	10 x 125 / 60	M6	50	250
Ø 12 - M8 - In-Hex 5				
 HVE 03 12 085	12 x 85 / 15	M8	50	250
 HVE 03 12 105	12 x 105 / 35	M8	25	250
 HVE 03 12 125	12 x 125 / 55	M8	25	250
Ø 16 - M10 - In-Hex 6				
 HVE 03 16 110	16 x 110 / 30	M10	20	100
 HVE 03 16 130	16 x 130 / 50	M10	20	100
Ø 18 - M12 - In-Hex 8				
 HVE 03 18 120	18 x 120 / 20	M12	10	100
 HVE 03 18 140	18 x 140 / 40	M12	10	100

 **ETA-CE Option 1 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

 **R120 Fire Resistance Certified item** / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

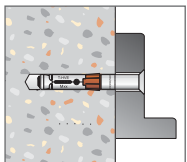


European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-10/0060 ETAG 001 - **PART 1 and 2**
DoP available on www.tecni.it/DoP



Application submitted for an ICC-ES evaluation report covering seismic action in accordance with ACI 355.2 (M8 - Ø12 only).

Usage / Utilisation / Benutzung / Uso / Применение

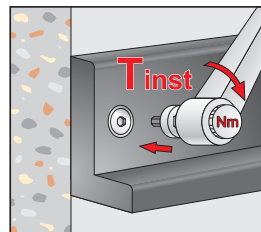
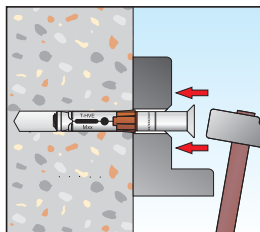
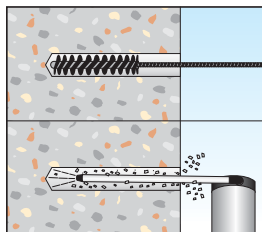
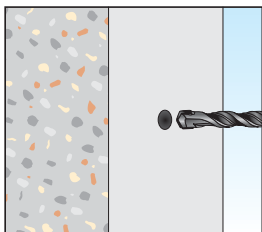


For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP

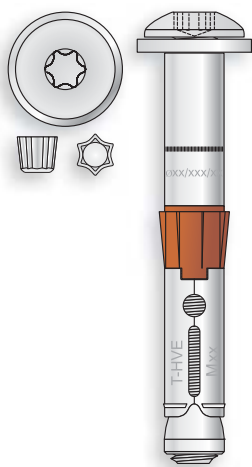


Declaration of Performance

HVE 04



- High performance steel anchor with Mushroom Head 6 lobe recess screw 8.8 grade (anti-theft with small cap to be hammered), with PATENTED design, zinc plated, ETA-CE Opt.1 certified
- Cheville haute performances en acier zingué avec vis tête ronde (avec cache-tête inamovible, à marteler) et rondelle spéciale, avec géométries brevetées, certification ATE-CE Option 1
- Verzinkter Schwerlastanker mit spezieller Rundkopfschraube (mit Schutzkappe zu hämmern) und spezieller Scheibe, mit PATENTIERTEN Geometrien, mit ETA-CE Zulassung Option 1
- Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza abombada 6 lóbulos internos clase 8.8 (con tapón para la inviolabilidad) y arandela de dureza especial, con geometrías PATENTADAS, Homologado ETA-CE Opción 1
- Высокоэффективный стальной оцинкованный анкер с низкой полукруглой головкой с шестигранным шлицем класса 8.8 (возможность использования ударного колпачка-заглушки), с ЗАПАТЕНТОВАННОЙ геометрией, с сертификатом ETA-CE опция 1



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 12 - M8 - T-40				
HVE 04 12 080	12 x 80 / 10	M8	50	250
HVE 04 12 100	12 x 100 / 30	M8	25	250
HVE 04 12 120	12 x 120 / 50	M8	25	250
Ø 16 - M10 - T-40				
HVE 04 16 100	16 x 100 / 20	M10	25	125
HVE 04 16 120	16 x 120 / 40	M10	25	125

ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

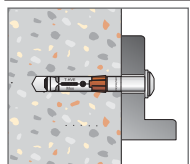


European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-10/0060 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP



Application submitted for an ICC-ES evaluation report covering seismic action in accordance with ACI 355.2 (M8 - Ø12 only).

Usage / Utilisation / Benutzung / Uso / Применение



For through (in-place) heavy duty fixings in cracked and non-cracked concrete.

DoP

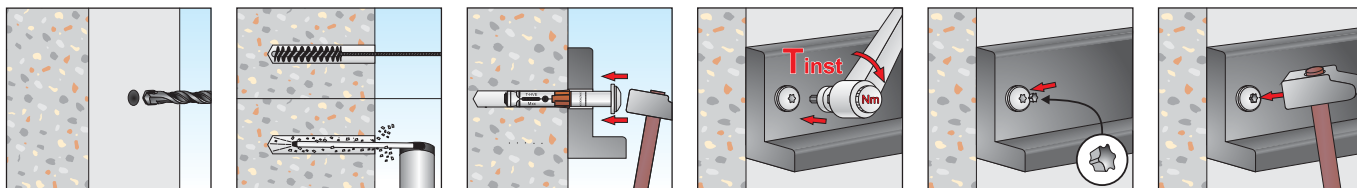


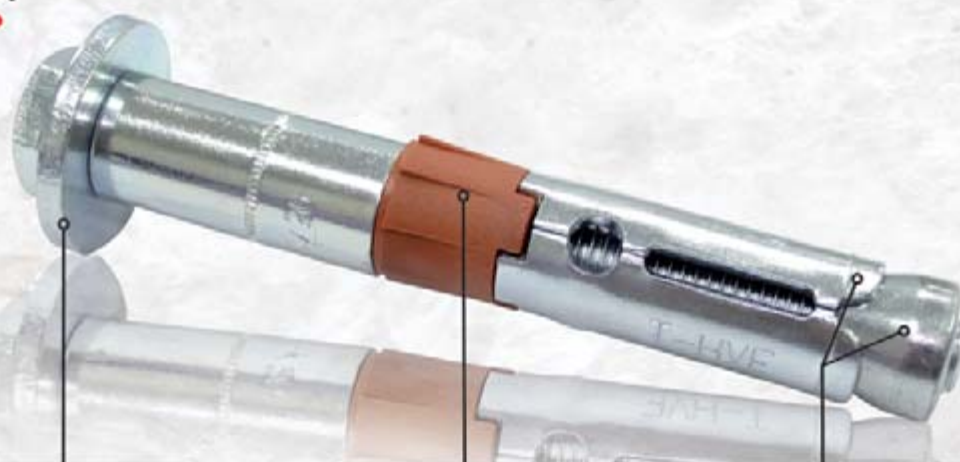
Declaration of Performance

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа





Special washers

Patented design

Expansion sleeve/conical nut

best raw materials and appropriate geometries in expansion sleeve /conical nut guarantee high tension load values both in cracked and non-cracked concrete



HVE ROCK®

Tecfi HVE-Rock® steel anchor has now achieved **European Technical Approval** according to ETAG 001-Part 1, **Option 1** and also Fire Resistance Certification according to Technical Report 020 in the class of duration of the fire Resistance R120.



ETA Option 1 ensures the use of HVE anchor both in cracked and non-cracked concrete for structural applications

High performance anchors - ETA-CE Certified

HVE 01

Steel anchor with 8.8 grade Hex Head screw and special hardness washer, zinc plated



HVE 02

Steel anchor with 8.8 grade Stud, Hex nut and special washer, zinc plated



HVE 03

Steel anchor with 8.8 grade Flat CSK head Hex recess screw, zinc plated



HVE 04

Steel anchor with Mushroom Head 6 lobe recess screw 8.8 grade (anti-theft with small cap to be hammered), zinc plated

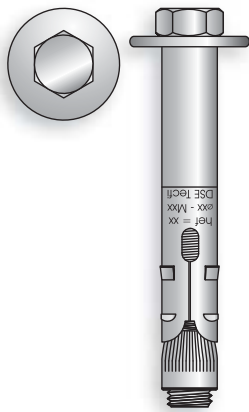


www.tecfi.it



DSE 01

-  **Sleeve anchor with hex head screw 8.8 grade and large series washer, zinc plated, ETA-CE Opt.7 certified**
-  Cheville à douille zinguée avec vis tête hexagonale classe 8.8, certification ATE-CE Option 7
-  Verzinkter Hülseanker mit Sechskantschraube Klasse 8.8, mit ETA-CE Zulassung Option 7
-  Anclaje plancha envuelta de acero cincado, montado con tornillo cabeza hexagonal clase 8.8, Homologado ETA-CE Opción 7
-  Стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8, с сертификатом ETA-CE опция 7

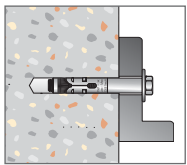


European Technical Approval
OPTION 7 for non-cracked concrete
ETA-08/0058 ETAG 001 - **PART 1 and 2**
DoP available on www.tecfi.it/DoP

Item code	Anchor size $\varnothing \times L_a / t_{fix} (mm)$	Screw size M	Pcs. per box	Pcs. per carton
Ø 8 - M6 - AF 10				
 DSE 01 08 060	8 x 60 / 5	M6	100	1.000
 DSE 01 08 080	8 x 80 / 25	M6	100	500
 DSE 01 08 100	8 x 100 / 45	M6	100	500
 DSE 01 08 120	8 x 120 / 65	M6	50	500
Ø 10 - M8 - AF 13				
 DSE 01 10 080	10 x 80 / 10	M8	50	250
 DSE 01 10 100	10 x 100 / 30	M8	50	250
 DSE 01 10 120	10 x 120 / 50	M8	50	250
 DSE 01 10 140	10 x 140 / 70	M8	50	250
Ø 12 - M10 - AF 17				
 DSE 01 12 080	12 x 80 / 10	M10	50	250
 DSE 01 12 100	12 x 100 / 30	M10	25	250
 DSE 01 12 120	12 x 120 / 50	M10	25	125
 DSE 01 12 150	12 x 150 / 80	M10	25	125
Ø 14 - M10 - AF 17				
 DSE 01 14 085	14 x 85 / 5	M10	25	250
 DSE 01 14 100	14 x 100 / 20	M10	25	125
 DSE 01 14 120	14 x 120 / 40	M10	25	125
 DSE 01 14 150	14 x 150 / 70	M10	25	125
Ø 16 - M12 - AF 19				
 DSE 01 16 110	16 x 110 / 10	M12	20	100
 DSE 01 16 130	16 x 130 / 30	M12	15	75
 DSE 01 16 150	16 x 150 / 50	M12	15	75

 **ETA-CE Option 7 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение

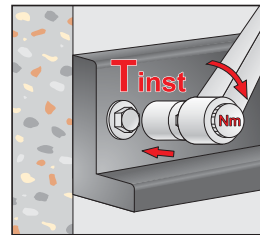
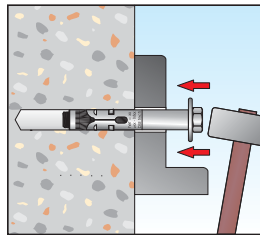
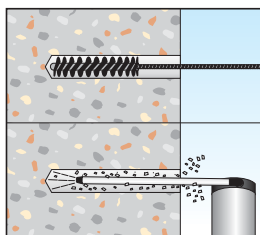
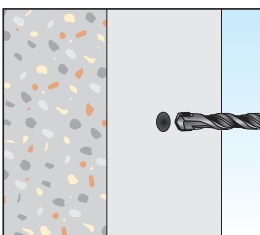


For through (in-place) heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



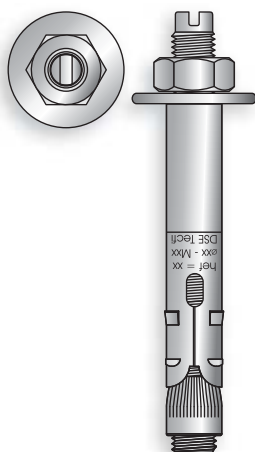
DoP



Declaration of Performance

DSE 11

- 🇬🇧 **Sleeve anchor with stud 8.8 grade and large series washer, zinc plated, ETA-CE Opt.7 certified**
- 🇫🇷 Cheville à douille zinguée avec tige filetée classe 8.8, écrou et rondelle, certification ATE-CE Option 7
- 🇩🇪 Verzinkter Hülseanker mit Gewindestange Klasse 8.8, Schraubenmutter und Scheibe, mit ETA-CE Zulassung Option 7
- 🇪🇸 Anclaje plancha envuelta de acero cincado, montado con espárrago clase 8.8, tuerca hexagonal y arandela, Homologado ETA-CE Opción 7
- 🇷🇺 Стальной оцинкованный анкер с резьбовым стержнем класса 8.8, с сертификатом ETA-CE опция 7



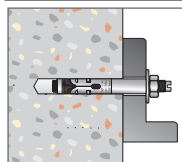
European Technical Approval
OPTION 7 for non-cracked concrete
ETA-08/0058 ETAG 001 - PART 1 and 2
DoP available on www.tecfi.it/DoP

Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size M	Pcs. per box	Pcs. per carton
Ø 8 - M6 - AF 10				
★ DSE 11 08 080	8 x 80 / 25	M6	100	500
Ø 10 - M8 - AF 13				
★ DSE 11 10 080	10 x 80 / 10	M8	50	250
★ DSE 11 10 100	10 x 100 / 30	M8	50	250
★ DSE 11 10 120	10 x 120 / 50	M8	25	250
★ DSE 11 10 140	10 x 140 / 70	M8	25	250
Ø 12 - M10 - AF 17				
★ DSE 11 12 100	12 x 100 / 30	M10	25	125
★ DSE 11 12 120	12 x 120 / 50	M10	25	125
★ DSE 11 12 150	12 x 150 / 80	M10	25	125
Ø 14 - M10 - AF 17				
★ DSE 11 14 100	14 x 100 / 20	M10	25	125
★ DSE 11 14 120	14 x 120 / 40	M10	25	125
Ø 16 - M12 - AF 19				
*DSE 11 16 130	16 x 130 / 30	M12	15	75
*DSE 11 16 150	16 x 150 / 50	M12	15	75

★ ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

* Item without ETA-CE Certification / Article sans certification / Artikel ohne Zulassung / Artículo no homologado ETA-CE
/ Артикул без сертификата ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение

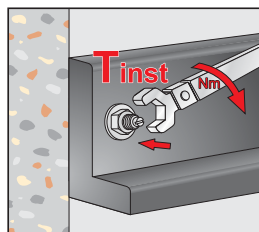
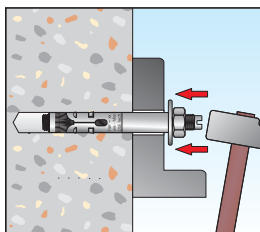
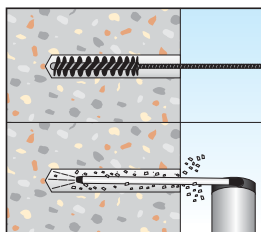
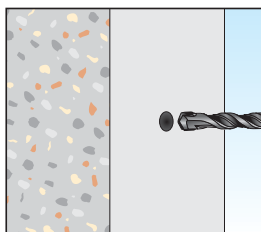


For through (in-place) heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



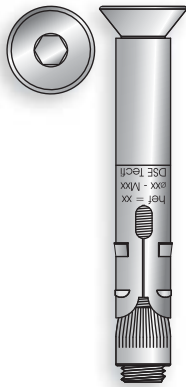
DoP



Declaration of Performance

DSE 07

-  **Sleeve anchor with flat CSK head socket recess screw 8.8 grade, zinc plated, ETA-CE Opt.7 certified**
-  Cheville à douille zinguée avec vis tête fraisée plate à six pans creux classe 8.8, certification ATE-CE Option 7
-  Verzinkter Hülseanker mit Innensechskant- Senkkopfschraube Klasse 8.8, mit ETA-CE Zulassung Option 7
-  Anclaje plancha envuelta de acero cincado, montado con tornillo cabeza avellanada con hueco hexagonal clase 8.8, Homologado ETA-CE Opción 7
-  Стальной оцинкованный анкер с болтом с плоской потайной головкой с внутренним шестигранником класса 8.8, с сертификатом ETA-CE опция 7



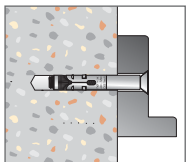
European Technical Approval
OPTION 7 for non-cracked concrete
ETA-08/0058 ETAG 001 - **PART 1 and 2**
DoP available on www.tecfi.it/DoP

Item code	Anchor size $\varnothing \times L_a / t_{fix} (mm)$	Screw size M	Pcs. per box	Pcs. per carton
Ø 8 - M6 - In-hex 4				
*DSE 07 08 045	8 x 45 / 5	M6	100	1.000
*DSE 07 08 060	8 x 60 / 5	M6	100	1.000
*DSE 07 08 080	8 x 80 / 25	M6	100	500
*DSE 07 08 100	8 x 100 / 45	M6	100	500
*DSE 07 08 120	8 x 120 / 65	M6	50	500
Ø 10 - M8 - In-hex 5				
*DSE 07 10 065	10 x 65 / 15	M8	100	500
★ DSE 07 10 085	10 x 85 / 15	M8	50	500
★ DSE 07 10 105	10 x 105 / 35	M8	50	250
★ DSE 07 10 125	10 x 125 / 55	M8	50	250
Ø 12 - M10 - In-hex 6				
*DSE 07 12 070	12 x 70 / 20	M10	50	250
★ DSE 07 12 080	12 x 80 / 10	M10	50	250
★ DSE 07 12 110	12 x 110 / 40	M10	25	250
★ DSE 07 12 130	12 x 130 / 60	M10	25	250
Ø 14 - M10 - In-hex 6				
*DSE 07 14 075	14 x 75 / 15	M10	25	250
★ DSE 07 14 105	14 x 105 / 25	M10	20	200
★ DSE 07 14 125	14 x 125 / 45	M10	20	200
Ø 16 - M12 - In-hex 8				
*DSE 07 16 080	16 x 80 / 20	M12	20	200
*DSE 07 16 115	16 x 115 / 15	M12	20	100
*DSE 07 16 135	16 x 135 / 35	M12	15	75

★ **ETA-CE Option 7 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

* **Item without ETA-CE Certification** / Article sans certification / Artikel ohne Zulassung / Artículo no homologado ETA-CE
/ Артикул без сертификата ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение

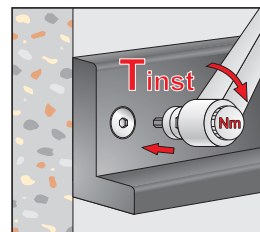
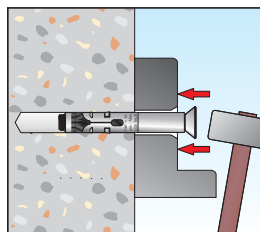
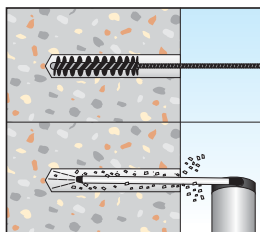
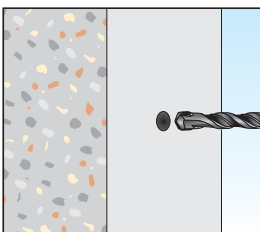


For through (in-place) heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

DSE 10

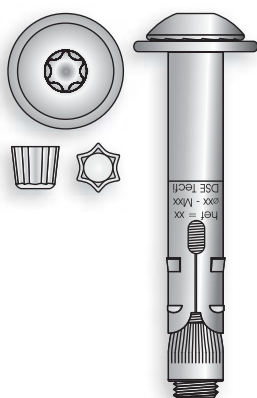
Sleeve anchor with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated, ETA-CE Opt.7 certified

Cheville à douille zinguée avec vis tête ronde classe 8.8 (avec cache-tête inamovible, à marteler), certification ATE-CE Option 7

Verzinkter Hülseanker mit Rundkopfschraube Klasse 8.8, (Innensechsrund- Schutzkappe zu hämmern), mit ETA-CE Zulassung Option 7

Anclaje plancha envuelta de acero cincado, montado con tornillo cabeza abombada 6 lóbulos internos clase 8.8 (con tapón para la inviolabilidad), Homologado ETA-CE Opción 7

Стальной оцинкованный анкер с низкой полукруглой головкой класса 8.8 (возможность использования ударного колпачка-заглушки), с сертификатом ETA-CE опция 7



T-40

Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10 - M8 - T-40				
*DSE 10 10 060	10 x 60 / 10	M8	100	500
DSE 10 10 080	10 x 80 / 10	M8	50	250
DSE 10 10 100	10 x 100 / 30	M8	50	250
DSE 10 10 120	10 x 120 / 50	M8	50	250
Ø 12 - M10 - T-40				
*DSE 10 12 060	12 x 60 / 10	M10	50	250
DSE 10 12 080	12 x 80 / 10	M10	50	250
DSE 10 12 100	12 x 100 / 30	M10	25	250
DSE 10 12 120	12 x 120 / 50	M10	25	250
Ø 14 - M10 - T-40				
DSE 10 14 085	14 x 85 / 5	M10	25	250
DSE 10 14 100	14 x 100 / 20	M10	25	125
DSE 10 14 120	14 x 120 / 40	M10	25	125

ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

* **Item without ETA-CE Certification** / Article sans certification / Artikel ohne Zulassung / Artículo no homologado ETA-CE
/ Артикул без сертификата ETA-CE



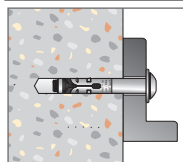
European Technical Approval
OPTION 7 for non-cracked concrete
ETA-08/0058 ETAG 001 - **PART 1 and 2**
DoP available on www.tecfi.it/DoP

DoP



Declaration of Performance

Usage / Utilisation / Benutzung / Uso / Применение

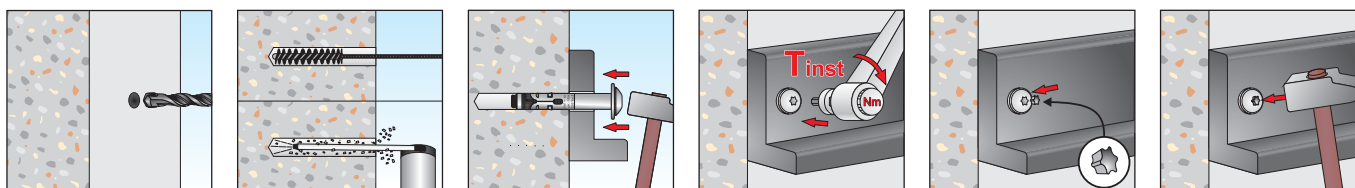


For through (in-place) heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DS

Zinc plated sleeve anchor with stud and hexagonal head blind security nut (breaking torque to cut the hexagon Nm > 13)

 Cheville indémontable à douille zinguée avec tige filetée et écrou borgne

 Verzinkter Hülseanker mit Gewindestange und Hutmutter

 Anclaje plancha envuelta de acero cincado, montado con espárrago

 Стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (шестигранный ключ 15 mm ; сила затягивания для срыва гайки Nm > 13)

DS 02 with hemispheric shank hexagonal head blind security nut / avec écrou borgne à calotte de sécurité zingué / mit verzinkter Hutmutter Intrusionsschutz / con cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad / с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой



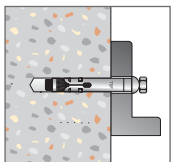
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M8 - AF 15				
DS 02 10 060	10 x 65 / 5	M8 x 65	50	500
DS 02 10 080	10 x 85 / 25	M8 x 85	50	500
DS 02 10 100	10 x 105 / 45	M8 x 105	50	250
Ø 12 - M10 - AF 15				
DS 02 12 070	12 x 80 / 10	M10 x 80	50	250
DS 02 12 100	12 x 110 / 40	M10 x 110	25	125
DS 02 12 120	12 x 130 / 60	M10 x 130	25	125

DS 08 with A2 (AISI 304) stainless steel hemispheric shank hexagonal head blind security nut / avec écrou borgne à calotte de sécurité en acier Inox A2 (AISI 304) / mit Hutmutter Intrusionsschutz aus Edelstahl A2 (AISI 304) / con cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad de Acero Inoxidable A2 (AISI 304) / с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой из нержавеющей стали A2 (AISI 304)



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 8 - M8 - AF 15				
DS 08 10 060	10 x 65 / 5	M8 x 65	50	500
DS 08 10 080	10 x 85 / 25	M8 x 85	50	500
DS 08 10 100	10 x 105 / 45	M8 x 105	50	250

Usage / Utilisation / Benutzung / Uso / Применение

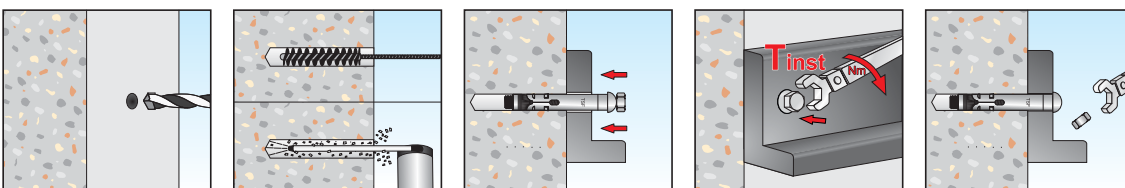


Breaking torque to cut the hexagon Nm > 13

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



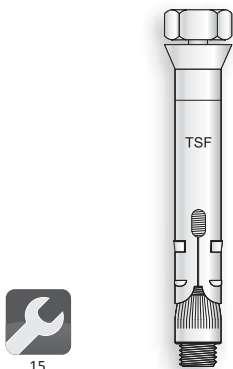
Technical Data Sheet



DS 03

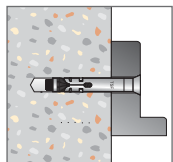
- Zinc plated sleeve anchor with stud and hexagonal head blind security nut (breaking torque to cut the hexagon Nm > 13)**
- Cheville indémontable à douille zinguée avec tige filetée et écrou borgne
- Verzinkter Hülseanker mit Gewindestange und Hutmutter
- Anclaje plancha envuelta de acero cincado, montado con espárrago
- Стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (шестигранный ключ 15 mm ; сила затягивания для срыва гайки Nm > 13)

DS 03 with flat CSK shank hexagonal head blind security nut / avec écrou borgne hexagonal de sécurité et tête fraisée plate / mit Hutmutter Intrusionsschutz und Senkkopf / con cabeza avellanada inviolable con tuerca hexagonal ciega de seguridad / с резьбовым стержнем и шестигранной антивандальной гайкой с плоской потайной головкой



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M8 - AF 15				
DS 03 10 060	10 x 70 / 10	M8 x 65	50	500
DS 03 10 080	10 x 90 / 30	M8 x 85	50	500
DS 03 10 100	10 x 110 / 50	M8 x 105	50	250

Usage / Utilisation / Benutzung / Uso / Применение

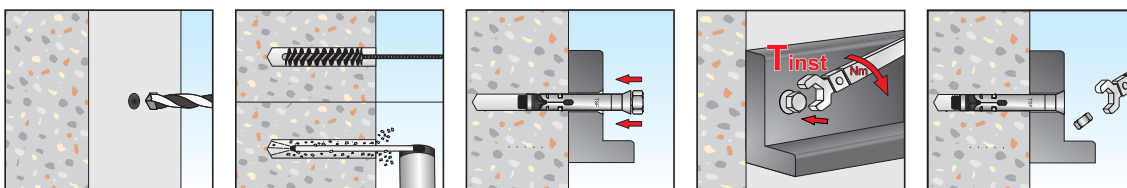


Breaking torque to cut the hexagon Nm > 13

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



LZ 01

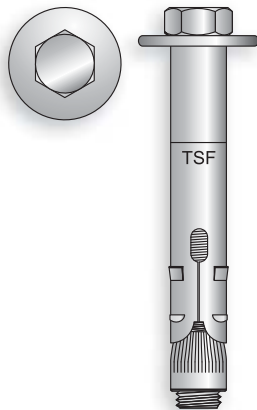
Sleeve anchor with hex head screw 8.8 grade and large series washer, zinc plated

 Cheville à douille zinguée avec vis tête hexagonale classe 8.8 et rondelle large

 Verzinkter Hülseanker mit Sechskantschraube Klasse 8.8 und breiter Scheibe

 Anclaje plancha envuelta de acero cincado, montado con tornillo cabeza hexagonal clase 8.8 y arandela ancha

 Стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - M6 - AF 10				
LZ 01 08 045**	8 x 45 / 5	M6	100	1.000
LZ 01 08 060	8 x 60 / 5	M6	100	1.000
LZ 01 08 070	8 x 70 / 15	M6	100	500
LZ 01 08 080	8 x 80 / 25	M6	100	500
LZ 01 08 100	8 x 100 / 45	M6	100	500
LZ 01 08 120	8 x 120 / 65	M6	50	500
Ø 10 - M8 - AF 13				
LZ 01 10 065**	10 x 65 / 15	M8	100	500
LZ 01 10 080	10 x 80 / 10	M8	50	250
LZ 01 10 100	10 x 100 / 30	M8	50	250
LZ 01 10 120	10 x 120 / 50	M8	50	250
LZ 01 10 140	10 x 140 / 70	M8	50	250
Ø 12 - M10 - AF 17				
LZ 01 12 065**	12 x 65 / 15	M10	50	250
LZ 01 12 075	12 x 75 / 15	M10	50	250
LZ 01 12 100	12 x 100 / 30	M10	25	250
LZ 01 12 120	12 x 120 / 50	M10	25	125
LZ 01 12 150	12 x 150 / 80	M10	25	125
Ø 14 - M10 - AF 17				
LZ 01 14 075**	14 x 75 / 15	M10	25	250
LZ 01 14 085	14 x 85 / 5	M10	25	250
LZ 01 14 100	14 x 100 / 20	M10	25	125
LZ 01 14 120	14 x 120 / 40	M10	25	125
LZ 01 14 150	14 x 150 / 70	M10	25	125
Ø 16 - M12 - AF 19				
LZ 01 16 075**	16 x 75 / 15	M12	20	100
LZ 01 16 110	16 x 110 / 10	M12	20	100
LZ 01 16 130	16 x 130 / 30	M12	15	75
LZ 01 16 150	16 x 150 / 50	M12	15	75
Ø 20 - M16 - AF 24				
LZ 01 20 120*	20 x 120 / 10	M16	10	50
LZ 01 20 160*	20 x 160 / 50	M16	10	50

 * Until stockout

 * Jusqu'à épuisement des stocks

 * Solange der Vorrat reicht

 * Hasta agotar existencias

 * до окончания стока

 ** Sizes with reduced embedment depth (h_{nom}) (see technical data sheet)

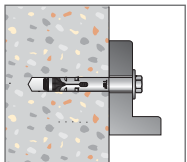
 ** Mesures avec double profondeur hors-tout d'ancrage (h_{nom}) réduite (voir fiche technique)

 ** Abmessungen mit reduzierter Verankerungstiefe (h_{nom}) (siehe technische Datenblatt)

 ** Medidas con inserción (h_{nom}) reducida (mire ficha técnica)

 ** Размеры с минимальной вворачиваюй (h_{nom}) (см. тех. спецификацию)

Usage / Utilisation / Benutzung / Uso / Применение

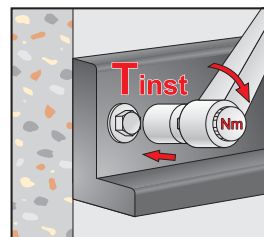
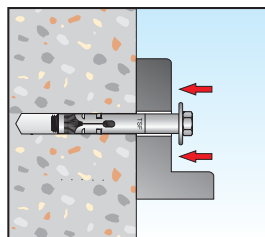
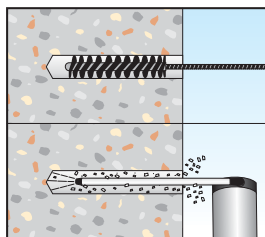
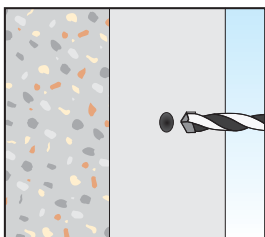


For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



 Technical Data Sheet

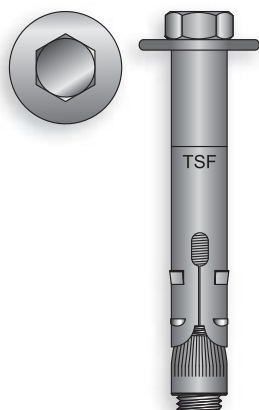


LZ 51 ^{New}

Available from May 2014
 Disponible à compter de Mai 2014
 Verfügbar ab Mai 2014
 Disponible desde Mayo 2014
 В наличии с Май 2014

A2 (AISI 304) stainless steel sleeve anchor with A2-70 Stainless steel hex head screw and large series washer

- Cheville à douille en Acier INOX A2 (AISI 304), avec vis tête hexagonale en acier INOX A2 (AISI 304) et rondelle large
- Verzinkter Hülseanker aus Edelstahl A2 (AISI 304) mit Sechskantschraube aus Edelstahl A2 (AISI 304) und breiter Scheibe
- Anclaje plancha envuelta montado con tornillo cabeza hexagonal (clase de resistencia 70) y arandela ancha, de Acero Inoxidable A2 (AISI 304)
- Втулочный анкер из нержавеющей стали A2 (AISI 304), с болтом с шестигранной головкой из нержавеющей стали A2-70 (AISI 304) и широкой шайбой



Item code	Anchor size Ø x La / tfix (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - M6 - AF 10				
LZ 51 08 060	8 x 60 / 5	M6	50	500
LZ 51 08 075	8 x 75 / 20	M6	50	500
LZ 51 08 095	8 x 95 / 40	M6	50	500
LZ 51 08 115	8 x 115 / 60	M6	25	250
Ø 10 - M8 - AF 13				
LZ 51 10 065*	10 x 65 / 15	M8	50	250
LZ 51 10 080	10 x 80 / 10	M8	50	250
LZ 51 10 100	10 x 100 / 30	M8	25	250
LZ 51 10 120	10 x 120 / 50	M8	25	250
Ø 12 - M10 - AF 17				
LZ 51 12 065*	12 x 65 / 15	M10	25	250
LZ 51 12 080	12 x 80 / 10	M10	25	250
LZ 51 12 100	12 x 100 / 30	M10	25	250
LZ 51 12 120	12 x 120 / 50	M10	25	125
Ø 14 - M10 - AF 17				
LZ 51 14 075*	14 x 75 / 15	M10	25	250
LZ 51 14 100	14 x 100 / 20	M10	25	125
LZ 51 14 110	14 x 110 / 30	M10	25	125
LZ 51 14 130	14 x 130 / 50	M10	20	100
Ø 16 - M12 - AF 19				
LZ 51 16 075*	16 x 75 / 15	M12	20	100
LZ 51 16 110	16 x 110 / 10	M12	15	75
LZ 51 16 130	16 x 130 / 30	M12	15	75

Longer sizes available on request (minimum quantity and delivery time to be agreed)

Mesures plus longues disponibles sur demande (quantité et délai de livraison à concorder)

Längere Abmessungen verfügbar auf Anfrage (menge und Liefertermin zu vereinbaren)

Medidas más largas disponibles bajo solicitud (cantidad y tiempos de entrega a concordar)

Длинные размеры на заказ (количество и срок поставки по соглашению)

* Sizes with reduced embedment depth (h_{nom}) (see technical data sheet)

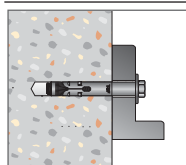
* Mesures avec double profondeur hors-tout d'ancrage (h_{nom}) réduite (voir fiche technique)

* Abmessungen mit reduzierter Verankerungstiefe (h_{nom}) (siehe technische Datenblatt)

* Medidas con inserción (h_{nom}) reducida (mire ficha técnica)

* Размеры с минимальной вворачиваий (h_{nom}) (см. тех. спецификацию)

Usage / Utilisation / Benutzung / Uso / Применение

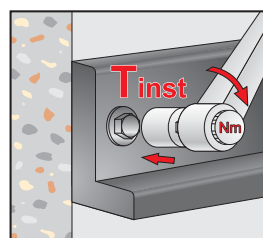
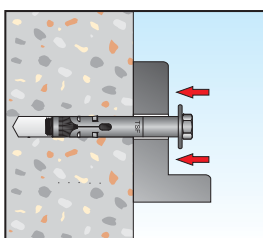
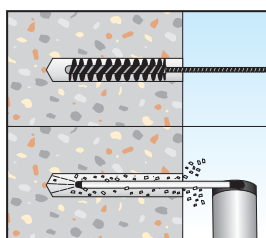
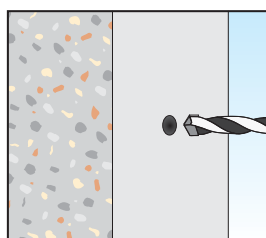


For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



DXE 00

-  **Sleeve anchor with unlosable nut, zinc plated, ETA-CE Opt.7 certified**
-  Cheville à douille zinguée avec cône fixe, certification ATE-CE Option 7
-  Verzinkter Hülseanker mit festem Konus, mit ETA-CE Zulassung Option 7
-  Anclaje plancha envuelta con cono enganchado, de acero cincado, Homologado ETA-CE Opción 7
-  Втулочный стальной оцинкованный анкер, с сертификатом ETA-CE опция 7



Item code	Anchor size Ø x La (mm)	Pcs. per box	Pcs. per carton
Ø 10			
 DXE 00 10 045	10 x 45	100	1.000
Ø 12			
 DXE 00 12 050	12 x 50	50	500
Ø 15			
 DXE 00 15 060	15 x 60	25	250
Ø 18			
 DXE 00 18 075	18 x 75	20	200

 **ETA-CE Option 7 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-10/0453 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

Sleeve anchor only (sleeve + cone nut).

The ETA-CE for this item will be issued for the sleeve anchor only, but the screw and the washer MUST respect the following requirements:
- Hexagonal head screw according to DIN 933 (ISO 4017), 8.8 grade according to ISO 898-1, zinc plating min. 5 µm. according to ISO 4042.
- Washer according to ISO 7089, hardness class HV200; zinc plating min. 5 µm. according to ISO 4042.

DXE 01

-  **Sleeve anchor with unlosable nut, with hex head screw 8.8 grade and washer, zinc plated, ETA-CE Opt.7 certified**
-  Cheville à douille avec cône fixe, avec vis tête hexagonale classe 8.8, certification ATE-CE Option 7
-  Verzinkter Hülseanker mit festem Konus und Sechskantschraube Klasse 8.8, mit ETA-CE Zulassung Option 7
-  Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza hexagonal clase 8.8, de acero cincado, Homologado ETA-CE Opción 7
-  Втулочный стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8, с сертификатом ETA-CE опция 7



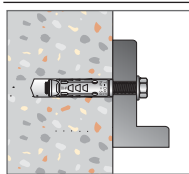
Item code	Anchor size Ø x La / tfix (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
 DXE 01 10 050	10 x 45 / 5	M6 x 50	50	500
Ø 12 - M8 - AF 13				
 DXE 01 12 060	12 x 50 / 10	M8 x 60	50	500
Ø 15 - M10 - AF 17				
 DXE 01 15 080	15 x 60 / 20	M10 x 80	25	250
Ø 18 - M12 - AF 19				
 DXE 01 18 100	18 x 75 / 20	M12 x 100	20	100

 **ETA-CE Option 7 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-10/0453 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



For pre-positioned heavy duty fixings in non-cracked concrete.

DoP

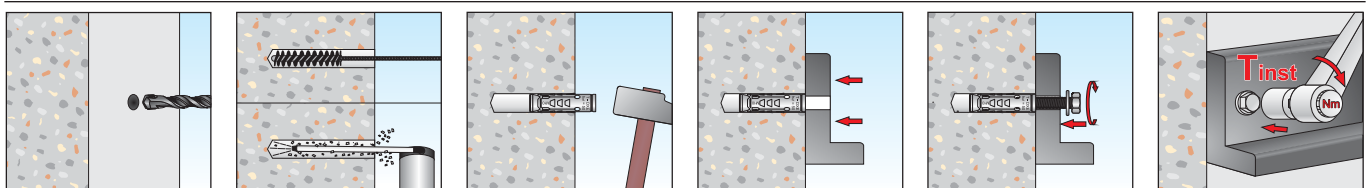


Declaration of Performance

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

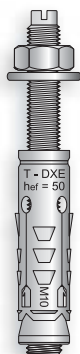


DXE 03

- Sleeve anchor with unlosable nut, with stud 8.8 grade, hex nut and washer, zinc plated, ETA-CE Opt.7 certified**
- Cheville à douille zinguée avec cône fixe, avec tige filetée classe 8.8, écrou hexagonal et rondelle, certification ATE-CE Option 7
- Verzinkter Hülseanker mit festem Konus, Gewindestange Klasse 8.8, Sechskantmutter und Scheibe, mit ETA-CE Zulassung Option 7
- Anclaje plancha envuelta con cono enganchado, montado con espárrago clase 8.8, tuerca hexagonal y arandela, de acero cincado, Homologado ETA-CE Opción 7
- Втулочный стальной оцинкованный анкер с резьбовым стержнем класса 8.8, с шестигранной гайкой и шайбой, с сертификатом ETA-CE опция 7



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-10/0453 ETAG 001 - PART 1 and 2
DoP available on www.tecfi.it/DoP



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DXE 03 10 060	10 x 45 / 5	M6 x 60	50	500
Ø 12 - M8 - AF 13				
DXE 03 12 075	12 x 50 / 10	M8 x 75	25	250
Ø 15 - M10 - AF 17				
DXE 03 15 095	15 x 60 / 20	M10 x 95	25	125
Ø 18 - M12 - AF 19				
DXE 03 18 120	18 x 75 / 20	M12 x 120	20	100

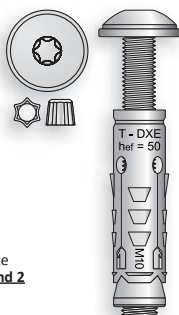
ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

DXE 04

- Sleeve anchor with unlosable nut, with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated, ETA-CE Opt.7 certified**
- Cheville à douille avec cône fixe, avec vis tête ronde classe 8.8 (avec Cache-tête inamovible à marteler), certification ATE-CE Option 7
- Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern), mit ETA-CE Zulassung Option 7
- Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza abombada 6 lóbulos internos clase 8.8 (con tapón para la inviolabilidad), de acero cincado, Homologado ETA-CE Opción 7
- Втулочный стальной оцинкованный анкер с низкой полукруглой головкой класса 8.8 (возможность использования ударного колпачка-заглушки), с сертификатом ETA-CE опция 7



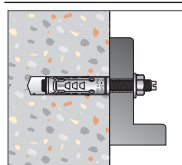
European Technical Approval
OPTION 7 for non-cracked concrete
ETA-10/0453 ETAG 001 - PART 1 and 2
DoP available on www.tecfi.it/DoP



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 - M8 - T-40				
DXE 04 12 060	12 x 50 / 10	M8 x 65	50	500
DXE 04 12 080	12 x 50 / 30	M8 x 85	25	250
DXE 04 12 100	12 x 50 / 50	M8 x 105	25	250
DXE 04 12 120	12 x 50 / 70	M8 x 125	25	250
Ø 15 - M10 - T-40				
DXE 04 15 080	15 x 60 / 20	M10 x 85	25	125
DXE 04 15 100	15 x 60 / 40	M10 x 110	25	125
DXE 04 15 120	15 x 60 / 60	M10 x 130	20	100

ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение



For pre-positioned heavy duty fixings in non-cracked concrete.

DoP

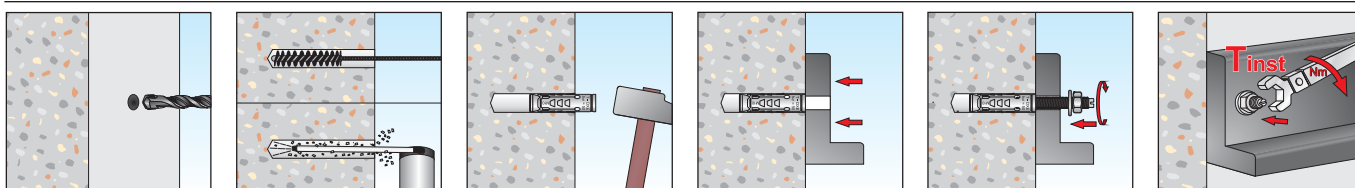


Declaration of Performance

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DX 00

Sleeve anchor with unlosable nut, zinc plated

-  Cheville à douille zinguée avec cône fixe
-  Verzinkter Hülseanker mit festem Konus
-  Anclaje plancha envuelta con cono enganchado, de acero cincado
-  Втулочный стальной оцинкованный анкер



Item code	Anchor size $\varnothing \times L_a$ (mm)	Pcs. per box	Pcs. per carton
DX 00 10 045	10 x 45	100	1.000
DX 00 12 050	12 x 50	50	500
DX 00 15 060	15 x 60	25	250
DX 00 18 075	18 x 75	20	200

DX 01

Sleeve anchor with unlosable nut, with hex head screw 8.8 grade and washer, zinc plated

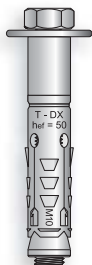
-  Cheville à douille avec cône fixe, avec vis tête hexagonale classe 8.8
-  Verzinkter Hülseanker mit festem Konus und Sechskantschraube Klasse 8.8
-  Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza hexagonal clase 8.8, de acero cincado
-  Втулочный стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8

for pre-positioned fixings / Pour montage à distance / Für Vorsteckmontage / Para fijación rasante / Для предварительного монтажа



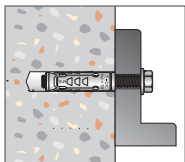
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing$ 10 - M6 - AF 10				
DX 01 10 045	10 x 45 / 5	M6 x 50	50	500
$\varnothing$ 12 - M8 - AF 13				
DX 01 12 050	12 x 50 / 10	M8 x 60	50	500
$\varnothing$ 15 - M10 - AF 17				
DX 01 15 060	15 x 60 / 20	M10 x 80	25	250
$\varnothing$ 18 - M12 - AF 19				
DX 01 18 075	18 x 75 / 10	M12 x 90	20	100

Extended range for through (in-place) fixings / Série rallongée – Pour montage traversant / Verlängerte Serie – Für Durchsteckmontage / Serie larga - para fijación a través / удлинительная серия - Для сквозного монтажа



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing$ 10 - M6 - AF 10				
DX 01 10 070	10 x 70 / 25	M6 x 75	50	500
$\varnothing$ 12 - M8 - AF 13				
DX 01 12 075	12 x 75 / 25	M8 x 80	25	250
$\varnothing$ 15 - M10 - AF 17				
DX 01 15 085	15 x 85 / 25	M10 x 90	25	125
$\varnothing$ 18 - M12 - AF 19				
DX 01 18 105	18 x 105 / 30	M12 x 110	20	100

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in concrete.

 Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



DX 70 ^{New}

Available from May 2014
Disponible à compter de Mai 2014
Verfügbar ab Mai 2014
Disponible desde Mayo 2014
В наличии с Май 2014

🇬🇧 A4 (AISI 316) stainless steel sleeve anchor with unlosable nut

- 🇫🇷 Cheville à douille avec cône fixe, en Acier INOX A4 (AISI 316)
- 🇩🇪 Hülseanker mit festem Konus aus Edelstahl A4 (AISI 316)
- 🇪🇸 Anclaje plancha envuelta con cono enganchado, de Acero Inoxidable A4 (AISI 316)
- 🇷🇺 Втулочный анкер с прикрепленным конусом из нержавеющей стали A4 (AISI 316)



Item code	Anchor size Ø x La (mm)	Pcs. per box	Pcs. per carton
DX 70 10 045	10 x 45	50	500
DX 70 12 050	12 x 50	50	500
DX 70 15 060	15 x 60	25	250
DX 70 18 075	18 x 75	20	200

DX 71 ^{New}

Available from May 2014
Disponible à compter de Mai 2014
Verfügbar ab Mai 2014
Disponible desde Mayo 2014
В наличии с Май 2014

🇬🇧 A4 (AISI 316) stainless steel sleeve anchor with unlosable nut, with A4-70 Stainless steel hex head screw and washer

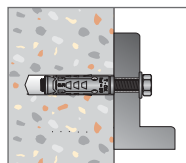
- 🇫🇷 Cheville à douille en Acier INOX A4 (AISI 316), avec cône fixe et vis tête hexagonale en acier INOX A4 (AISI 316) et rondelle
- 🇩🇪 Hülseanker aus Edelstahl A4 (AISI 316) mit festem Konus und Sechskantschraube aus Edelstahl A4 (AISI 316) und Scheibe
- 🇪🇸 Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza hexagonal (clase de resistencia 70) y arandela, de Acero Inoxidable A4 (AISI 316)
- 🇷🇺 Втулочный анкер с прикрепленным конусом из нержавеющей стали A4 (AISI 316) с болтом с шестигранной головкой из нержавеющей стали A4-70 (AISI 316) и шайбой

for pre-positioned fixings / Pour montage à distance / Für Vorsteckmontage / Para fijación rasante / Для предварительного монтажа



Item code	Anchor size Ø x La / tfix (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 71 10 045	10 x 45 / 5	M6 x 50	50	500
Ø 12 - M8 - AF 13				
DX 71 12 050	12 x 50 / 10	M8 x 60	50	500
Ø 15 - M10 - AF 17				
DX 71 15 060	15 x 60 / 20	M10 x 80	25	250
Ø 18 - M12 - AF 19				
DX 71 18 075	18 x 75 / 10	M12 x 100	20	100

Usage / Utilisation / Benutzung / Uso / Применение



For pre-positioned heavy duty fixings in concrete.

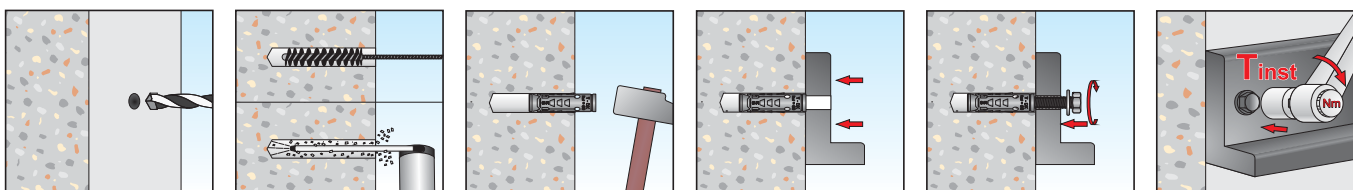
Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

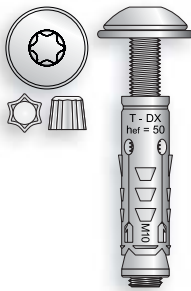


DX 07

 **Sleeve anchor with unlosable nut, with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated**

-  Cheville à douille avec cône fixe, avec vis tête ronde classe 8.8 (avec Cache-tête inamovible à marteler)
-  Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern)
-  Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza abombada clase 8.8 (con tapón para la inviolabilidad), de acero cincado
-  Втулочный стальной оцинкованный анкер с низкой полукруглой головкой класса 8.8 (возможность использования ударного колпачка-заглушки)

for pre-positioned fixings / Pour montage à distance / Für Vorsteckmontage / Para fijación rasante / Для предварительного монтажа



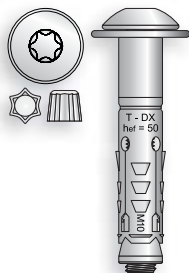
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 - M8 - T-40				
DX 07 12 050	12 x 50 / 10	M8 x 65	50	500
Ø 15 - M10 - T-40				
DX 07 15 060	15 x 60 / 5	M10 x 65	25	250

DX 08

 **Sleeve anchor with unlosable nut, with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated**

-  Cheville à douille avec cône fixe, avec vis tête ronde classe 8.8 (avec Cache-tête inamovible à marteler)
-  Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern)
-  Anclaje plancha envuelta con cono enganchado, montado con tornillo cabeza abombada clase 8.8 (con tapón para la inviolabilidad), de acero cincado
-  Втулочный стальной оцинкованный анкер с низкой полукруглой головкой класса 8.8 (возможность использования ударного колпачка-заглушки)

Extended range for through (in-place) fixings / Série rallongée – Pour montage traversant / Verlängerte Serie – Für Durchsteckmontage / Serie larga - para fijación a través / удлинительная серия - Для сквозного монтажа



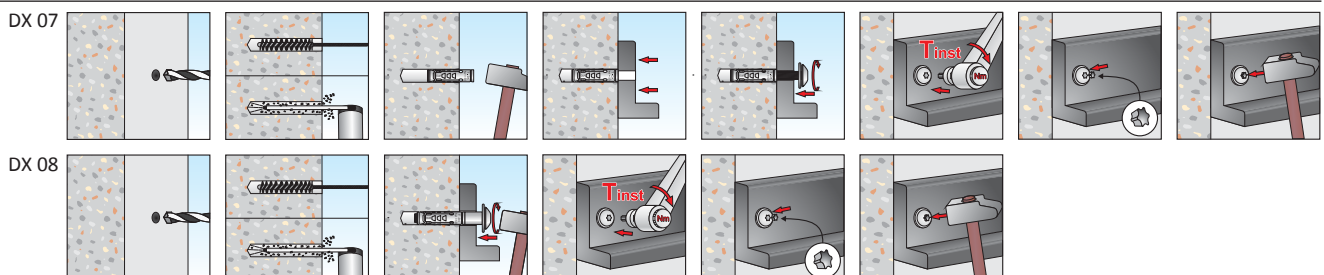
Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 - M8 - T-40				
DX 08 12 075	12 x 75 / 25	M8 x 85	25	250
Ø 15 - M10 - T-40				
DX 08 15 085	15 x 85 / 25	M10 x 85	25	125

 Technical Data Sheet

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DX 04

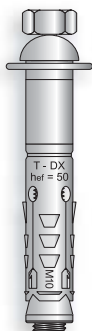
UK Zinc plated sleeve anchor with unlosable nut, with stud and hemispheric shank hexagonal head (AF 15 mm) blind security nut (breaking torque to cut the hexagon Nm > 13)

FR Cheville à douille zinguée avec cône fixe, avec tige filetée et écrou borgne à calotte (clé 15 mm) de sécurité (rupture de l'hexagon Nm >13)

DE Verzinkter Hülseanker mit festem Konus, mit Gewindestange und Hutmutter (SW 15 mm) mit Intrusionsschutz (Anzugsdrehmoment Nm >13)

ES Anclaje plancha envuelta con cono enganchado, montado con espárrago y cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad (llave 15 mm) (par de ruptura Nm > 13), de acero cincado

RU Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (шестигранный ключ 15 мм ; сила затягивания для срыва гайки Nm > 13)



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M8 - AF 13				
DX 04 12 080	12 x 80 / 25	M8 x 85	50	250

DX 05

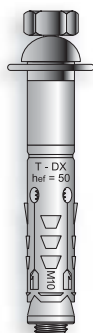
UK Zinc plated sleeve anchor with unlosable nut, with stud and A2 (AISI 304) stainless steel hemispheric shank hexagonal head (AF 15 mm) blind security nut (breaking torque to cut the hexagon Nm > 13)

FR Cheville à douille zinguée avec cône fixe, avec tige filetée et écrou borgne en acier inox à calotte (clé 15 mm) de sécurité (rupture de l'hexagon Nm >13)

DE Verzinkter Hülseanker mit festem Konus, mit Gewindestange und Edelstahl Hutmutter (SW 15 mm) mit Intrusionsschutz (Anzugsdrehmoment Nm >13)

ES Anclaje plancha envuelta con cono enganchado, montado con espárrago y cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad de Acero Inoxidable A2 (AISI 304) (llave 15 mm) (par de ruptura Nm > 13), de acero cincado

RU Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой из нержавеющей стали A2 (шестигранный ключ 15 мм; сила затягивания для срыва гайки Nm > 13)

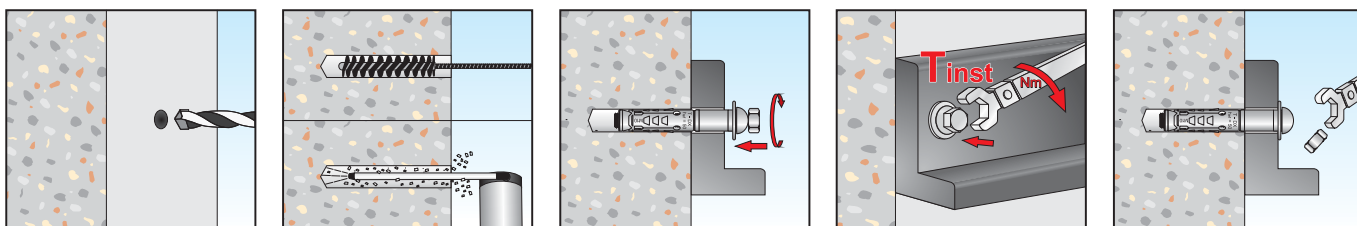


Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M8 - AF 13				
DX 05 12 080	12 x 80 / 25	M8 x 85	50	250

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DX 03

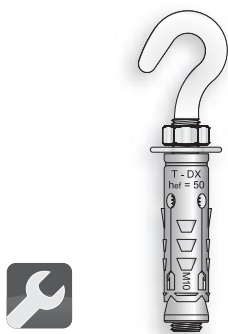
Sleeve anchor with unlosable nut, with hook screw, hex nut and large washer, zinc plated

 Cheville à douille zinguée avec cône fixe, avec crochet rond, écrou hexagonal et rondelle large

 Verzinkter Hülseanker mit festem Konus, Rundhaken, Sechskantmutter und breiter Scheibe

 Anclaje plancha envuelta con cono enganchado, montado con gancho, tuerca hexagonal y arandela ancha, de acero cincado

 Втулочный стальной оцинкованный анкер с крюком, с шестигранной гайкой и широкой шайбой



Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size $M \times L_s \times \varnothing i$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 10$ - M6 - AF 10				
DX 03 10 045	10 x 45	M6 x 55	50	500
$\varnothing 12$ - M8 - AF 13				
DX 03 12 050	12 x 50	M8 x 65	50	250
$\varnothing 15$ - M10 - AF 17				
DX 03 15 060	15 x 60	M10 x 81	25	125
$\varnothing 18$ - M12 - AF 19				
DX 03 18 075	18 x 75	M12 x 98	15	75

DX 02

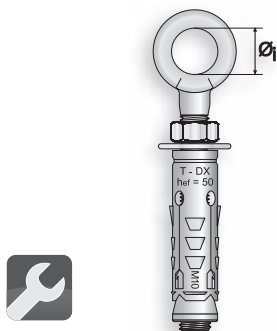
Sleeve anchor with unlosable nut, with eye screw, hex nut and large washer, zinc plated

 Cheville à douille zinguée avec cône fixe, avec oeillet, écrou hexagonal et rondelle large

 Verzinkter Hülseanker mit festem Konus, Augenschraube, Sechskantmutter und breiter Scheibe

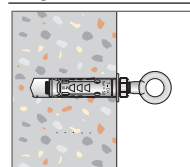
 Anclaje plancha envuelta con cono enganchado, montado con argolla, tuerca hexagonal y arandela ancha, de acero cincado

 Втулочный стальной оцинкованный анкер с кольцом, с шестигранной гайкой и широкой шайбой



Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size $M \times L_s \times \varnothing i$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 10$ - M6 - AF 10				
DX 02 10 045	10 x 45	M6 x 55 x 10	50	500
$\varnothing 12$ - M8 - AF 13				
DX 02 12 050	12 x 50	M8 x 65 x 11,5	50	250
$\varnothing 15$ - M10 - AF 17				
DX 02 15 060	15 x 60	M10 x 81 x 14	25	125
$\varnothing 18$ - M12 - AF 19				
DX 02 18 075	18 x 75	M12 x 98 x 17	15	75

Usage / Utilisation / Benutzung / Uso / Применение

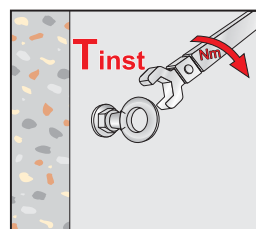
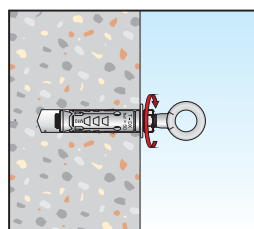
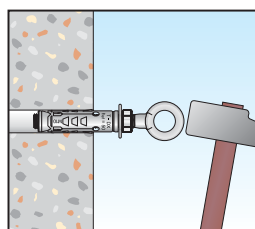
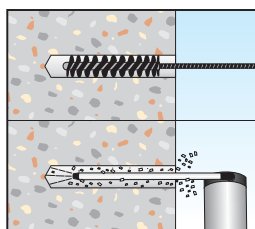
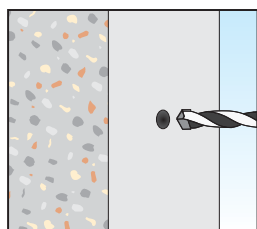


For special fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка

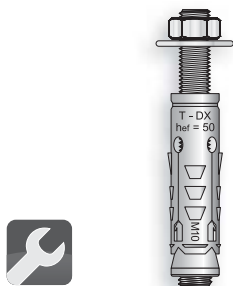


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



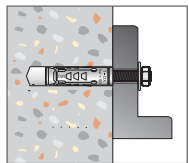
DX 06

- 🇬🇧 **Sleeve anchor with unlosable nut, with stud 5.8 grade, hex nut and large washer, zinc plated**
- 🇫🇷 Cheville à douille zinguée avec cône fixe, avec tige filetée classe 5.8, écrou hexagonal et rondelle large
- 🇩🇪 Verzinkter Hülseanker mit festem Konus, Gewindestange Klasse 5.8, Sechskantmutter und breiter Scheibe
- 🇪🇸 Anclaje plancha envuelta con cono enganchado, montado con espárrago clase 5.8, tuerca hexagonal y arandela ancha, de acero cincado
- 🇷🇺 Втулочный стальной оцинкованный анкер с резьбовым стержнем класса 5.8, с шестигранной гайкой и широкой шайбой



Item code	Anchor size Ø x La (mm)	Stud size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 06 10 045	10 x 45 / 10	M6 x 65	50	500
Ø 12 - M8 - AF 13				
DX 06 12 050	12 x 50 / 15	M8 x 75	50	500
Ø 15 - M10 - AF 17				
DX 06 15 060	15 x 60 / 20	M10 x 95	25	250
Ø 18 - M12 - AF 19				
DX 06 18 075	18 x 75 / 20	M12 x 115	15	75

Usage / Utilisation / Benutzung / Uso / Применение

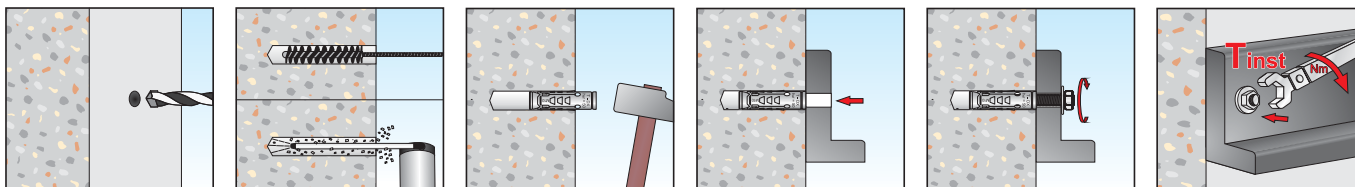


For pre-positioned fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



CP 01

Zinc plated steel anchor with wings with unlosable nut, with plastic ring and undercap

-  Cheville zinguée avec deux ailettes, avec anneau en plastique et cône fixe avec capuchon
-  Verzinkter Anker mit zwei Flügel, mit Plastikring und festem Konus mit Kappe
-  Anclaje de acero cincado con cono enganchado, con dos alas y con anillo y tapón de plástico
-  Втулочный стальной оцинкованный анкер с блокировочными усам



Item code	Anchor size $\varnothing \times L_a$ (mm)	Pcs. per box	Pcs. per carton
CP 01 12 045	12 x 45	100	1.000
CP 01 14 050	14 x 50	50	500
CP 01 16 060	16 x 60	50	500
CP 01 20 075	20 x 75	20	200
CP 01 24 095	24 x 95	15	150

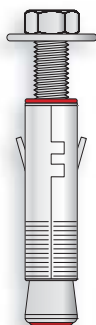
Box / Boîte / Verpackung / Caja / Упаковка



CQ 01

Zinc plated steel anchor with wings with unlosable nut, with hex head screw 8.8 grade

-  Cheville zinguée avec deux ailettes, avec anneau en plastique et cône fixe avec capuchon, avec vis tête hexagonale classe 8.8 et rondelle large
-  Verzinkter Anker mit zwei Flügel, mit Plastikring und festem Konus mit Kappe, mit Sechskantschraube Klasse 8.8 breiter Scheibe
-  Anclaje de acero cincado con cono enganchado, con dos alas, montado con tornillo cabeza hexagonal clase 8.8
-  Втулочный стальной оцинкованный анкер с блокировочными усам с болтом с шестигранной головкой класса 8.8

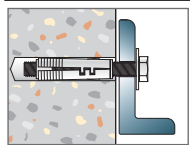


Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M6 - Ch 10				
CQ 01 12 045	12 x 45 / 5	M6 x 50	50	500
$\varnothing 14$ - M8 - Ch 13				
CQ 01 14 050	14 x 50 / 10	M8 x 60	50	500
$\varnothing 16$ - M10 - Ch 17				
CQ 01 16 060	16 x 60 / 15	M10 x 80	25	250
$\varnothing 20$ - M12 - Ch 19				
CQ 01 20 075	20 x 75 / 10	M12 x 90	15	75
$\varnothing 24$ - M16 - Ch 24				
CQ 01 24 095	24 x 95 / 10	M16 x 110	10	50

Box / Boîte / Verpackung / Caja / Упаковка

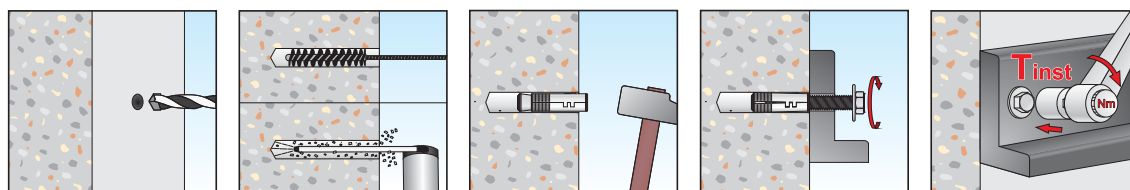


Usage / Utilisation / Benutzung / Uso / Применение



For pre-positioned fixings in concrete.

Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

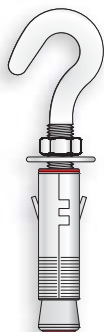


 Technical Data Sheet



CS 01

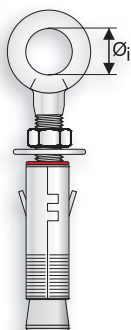
- Zinc plated steel anchor with wings, with hook screw, hex nut and large washer**
- Cheville zinguée avec deux ailettes, avec crochet rond, écrou hexagonal et rondelle large
- Verzinkter Anker mit zwei Flügel, mit Rundhaken, Sechskantmutter und breiter Scheibe
- Anclaje de acero cincado con cono enganchado, con dos alas, montado con gancho, tuerca hexagonal y arandela ancha
- Втулочный стальной оцинкованный анкер с блокировочными усами с крюком, с шестигранной гайкой и широкой шайбой



Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M6 - AF 10				
CS 01 12 045	12 x 45	M6 x 55	50	500
$\varnothing 14$ - M8 - AF 13				
CS 01 14 050	14 x 50	M8 x 65	50	250
$\varnothing 16$ - M10 - AF 17				
CS 01 16 060	16 x 60	M10 x 81	25	125
$\varnothing 20$ - M12 - AF 19				
CS 01 20 075	20 x 75	M12 x 98	15	75

CT 01

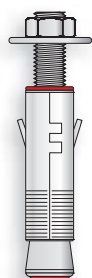
- Zinc plated steel anchor with wings, with eye screw, hex nut and large washer**
- Cheville zinguée avec deux ailettes, avec oeillet, écrou hexagonal et rondelle large
- Verzinkter Anker mit zwei Flügel, mit Augenschraube, Sechskantmutter und breiter Scheibe
- Anclaje de acero cincado con cono enganchado, con dos alas, montado con argolla, tuerca hexagonal y arandela ancha
- Втулочный стальной оцинкованный анкер с блокировочными усами с кольцом, с шестигранной гайкой и широкой шайбой



Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size $M \times L_v \times \varnothing_i$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M6 - AF 10				
CT 01 12 045	12 x 45	M6 x 55 x 10	50	500
$\varnothing 14$ - M8 - AF 13				
CT 01 14 050	14 x 50	M8 x 65 x 11,5	50	250
$\varnothing 16$ - M10 - AF 17				
CT 01 16 060	16 x 60	M10 x 81 x 14	25	125
$\varnothing 20$ - M12 - AF 19				
CT 01 20 075	20 x 75	M12 x 98 x 17	15	75

CR 01

- Zinc plated steel anchor with wings, with stud 5.8 grade, hex nut and large washer**
- Cheville zinguée avec deux ailettes, avec tige filetée classe 5.8, écrou hexagonal et rondelle large
- Verzinkter Anker mit zwei Flügel, mit Gewindestange Klasse 5.8, Sechskantmutter und breiter Scheibe
- Anclaje de acero cincado con cono enganchado, con dos alas, montado con espárrago clase 5.8, tuerca hexagonal y arandela ancha
- Втулочный стальной оцинкованный анкер с блокировочными усами с резьбовым стержнем класса 5.8, с шестигранной гайкой и широкой шайбой



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M6 - AF 10				
CR 01 12 045	12 x 45 / 10	M6 x 65	50	500
$\varnothing 14$ - M8 - AF 13				
CR 01 14 050	14 x 50 / 20	M8 x 75	50	250
$\varnothing 16$ - M10 - AF 17				
CR 01 16 060	16 x 60 / 20	M10 x 95	25	125
$\varnothing 20$ - M12 - AF 19				
CR 01 20 075	20 x 75 / 20	M12 x 115	15	75

AJE01

-  **Special Wedge Anchor, assembled with hex nut and special washer, ETA-CE Opt.1 certified**
-  Barre d'ancrage avec tôle miche spéciale, écrou et rondelle, certification ATE-CE Option 1
-  Anker mit speziellem Feinblech, Sechskantmutter und Scheibe, mit ETA-CE Zulassung Option 1
-  Anclaje macho especial, montado con tuerca y arandela especial, Homologado ETA-CE Opción 1
-  Анкерный болт со специальным распорным кольцом, гайкой и шайбой, с сертификатом ETA-CE опция 1



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 8 - AF 13			
 AJE 01 08 080	8 x 80 / 10	100	500
 AJE 01 08 090	8 x 90 / 20	100	500
 AJE 01 08 110	8 x 110 / 40	50	500
 AJE 01 08 130	8 x 130 / 60	50	500
 AJE 01 08 170	8 x 170 / 100	25	250
Ø 10 - AF 17			
 * AJE 01 10 070	10 x 70 / 5	50	250
 AJE 01 10 095	10 x 95 / 10	50	250
 AJE 01 10 105	10 x 105 / 20	50	250
 AJE 01 10 125	10 x 125 / 40	50	250
 AJE 01 10 145	10 x 145 / 60	50	250
 AJE 01 10 185	10 x 185 / 100	25	125
 AJE 01 10 245	10 x 245 / 160	15	75
Ø 12 - AF 19			
 AJE 01 12 115	12 x 115 / 10	25	125
 AJE 01 12 125	12 x 125 / 20	25	125
 AJE 01 12 145	12 x 145 / 40	25	125
 AJE 01 12 165	12 x 165 / 60	25	125
 AJE 01 12 205	12 x 205 / 100	25	125
 AJE 01 12 225	12 x 225 / 120	20	100
 AJE 01 12 245	12 x 245 / 140	15	75
 AJE 01 12 265	12 x 265 / 160	15	75
 AJE 01 12 305	12 x 305 / 200	15	75
 AJE 01 12 350	12 x 350 / 245	15	75
Ø 16 - AF 24			
 AJE 01 16 130	16 x 130 / 5	25	125
 AJE 01 16 145	16 x 145 / 20	20	100
 AJE 01 16 165	16 x 165 / 40	20	100
 AJE 01 16 225	16 x 225 / 100	10	50
Ø 20 - AF 30			
 AJE 01 20 170	20 x 170 / 30	10	50
 AJE 01 20 200	20 x 200 / 60	10	50

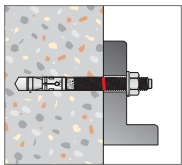


European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-11/0319 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP



Item code AJE01 and AJE31 (Ø10 - Ø12 - Ø16 - Ø20) are in final evaluation according to the C2 performance category for anchors under seismic actions (ETAG001-ANNEX E).

Usage / Utilisation / Benutzung / Uso / Применение

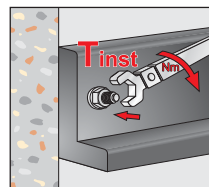
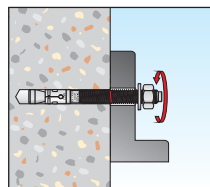
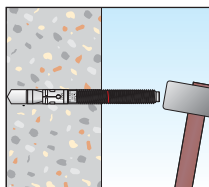
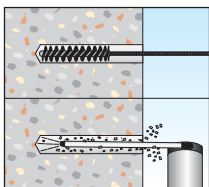
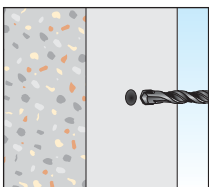


For heavy duty fixings in cracked and non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



 DoP



Declaration of Performance

AJE31

Special Wedge Anchor, assembled with hex nut and special large washer, ETA-CE Opt.1 certified

Barre d'ancrage avec tôle mîce spéciale, écrou et rondelle large, certification ATE-CE Option 1

Anker mit speziellem Feinblech, Sechskantmutter und breiter Scheibe, mit ETA-CE Zulassung Option 1

Anclaje macho especial, montado con tuerca y arandela ancha especial, Homologado ETA-CE Opción 1

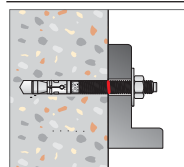
Анкерный болт со специальным распорным кольцом, гайкой и специальной широкой шайбой, с сертификатом ETA-CE опция 1



European Technical Approval
OPTION 1 for cracked and non-cracked concrete
ETA-11/0319 ETAG 001 - PART 1 and 2
DoP available on www.tecfi.it/DoP

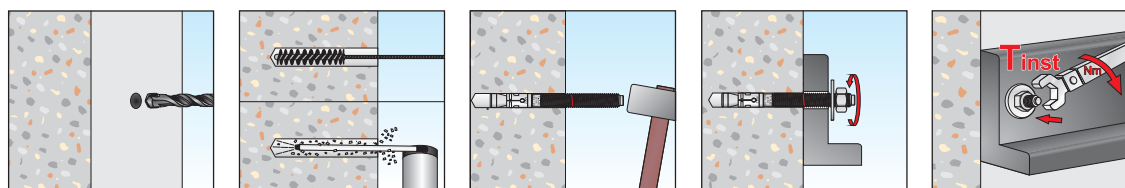
Item codes AJE01 and AJE31 (Ø10 - Ø12 - Ø16 - Ø20) are in final evaluation according to the C2 performance category for anchors under seismic actions (ETAG001-ANNEX E).

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete.

Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

Item code	Anchor size $\varnothing \times L_a / t_{fix} \text{ (mm)}$	Pcs. per box	Pcs. per carton
Ø 8 - AF 13			
AJE 31 08 080	8 x 80 / 10	100	500
AJE 31 08 090	8 x 90 / 20	100	500
AJE 31 08 110	8 x 110 / 40	50	500
AJE 31 08 130	8 x 130 / 60	50	500
AJE 31 08 170	8 x 170 / 100	25	250
Ø 10 - AF 17			
* AJE 31 10 070	10 x 70 / 5	50	250
AJE 31 10 095	10 x 95 / 10	50	250
AJE 31 10 105	10 x 105 / 20	50	250
AJE 31 10 125	10 x 125 / 40	25	250
AJE 31 10 145	10 x 145 / 60	25	250
AJE 31 10 185	10 x 185 / 100	25	125
AJE 31 10 245	10 x 245 / 160	15	75
Ø 12 - AF 19			
AJE 31 12 115	12 x 115 / 10	25	125
AJE 31 12 125	12 x 125 / 20	25	125
AJE 31 12 145	12 x 145 / 40	25	125
AJE 31 12 165	12 x 165 / 60	25	125
AJE 31 12 205	12 x 205 / 100	15	75
AJE 31 12 225	12 x 225 / 120	15	75
AJE 31 12 245	12 x 245 / 140	15	75
AJE 31 12 265	12 x 265 / 160	15	75
AJE 31 12 305	12 x 305 / 200	15	75
AJE 31 12 350	12 x 350 / 245	15	75
Ø 16 - AF 24			
AJE 31 16 130	16 x 130 / 5	25	125
AJE 31 16 145	16 x 145 / 20	20	100
AJE 31 16 165	16 x 165 / 40	20	100
AJE 31 16 225	16 x 225 / 100	10	50
Ø 20 - AF 30			
AJE 31 20 170	20 x 170 / 30	10	50
AJE 31 20 200	20 x 200 / 60	10	50

ETA-CE Option 1 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand
Homologación de resistencia al fuego / Сертификат пожаробезопасности

*** Item without ETA-CE Certification** / Article sans certification ATE-CE / Artikel ohne ETA-CE Zulassung / Artículo no homologado ETA-CE / Артикул без сертификата ETA-CE

Box / Boîte / Verpackung / Caja / Упаковка



ZJE 01 ^{New}

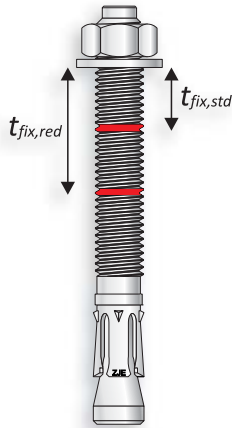
 **Wedge anchor in carbon steel, with nut and washer, zinc plated, ETA-CE Opt.7 certified**

 Barre d'ancrage zinguée avec écrou et rondelle, certification ATE-CE Option 7

 Verzinkter Bolzenanker mit Sechskantmutter und Scheibe, mit ETA-CE Zulassung Option 7

 Anclaje macho montado con tuerca y arandela, de acero cincado, Homologado ETA-CE Opción 7

 Анкерный болт со специальным распорным кольцом из оцинкованной стали, с гайкой и шайбой, с сертификатом ETA-CE опция 7



Item code	Anchor size Ø x La (mm)	Maximum thickness of fixture*		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 - AF 10					
ZJE 01 06 060	6 x 60	2	-	100	1.000
ZJE 01 06 080	6 x 80	22	-	100	1.000
ZJE 01 06 100	6 x 100	42	-	100	1.000
ZJE 01 06 120	6 x 120	62	-	100	500
Ø 8 - AF 13					
ZJE 01 08 060	8 x 60	-	3	100	1.000
ZJE 01 08 075	8 x 75	5	18	100	500
ZJE 01 08 090	8 x 90	20	33	100	500
ZJE 01 08 115	8 x 115	45	58	50	500
ZJE 01 08 130	8 x 130	60	73	50	500
Ø 10 - AF 17					
ZJE 01 10 070	10 x 70	-	3	50	250
ZJE 01 10 080	10 x 80	-	13	50	250
ZJE 01 10 090	10 x 90	10	23	50	250
ZJE 01 10 120	10 x 120	40	53	50	250
ZJE 01 10 150	10 x 150	70	83	50	250
Ø 12 - AF 19					
ZJE 01 12 090	12 x 90	-	13	25	250
ZJE 01 12 110	12 x 110	18	33	25	125
ZJE 01 12 140	12 x 140	48	63	25	125
ZJE 01 12 160	12 x 160	68	83	25	125
ZJE 01 12 180	12 x 180	88	103	25	125
Ø 14 - AF 22					
ZJE 01 14 120	14 x 120	12	-	25	125
ZJE 01 14 145	14 x 145	37	-	20	100
ZJE 01 14 170	14 x 170	62	-	20	100
Ø 16 - AF 24					
ZJE 01 16 125	16 x 125	3	-	25	125
ZJE 01 16 145	16 x 145	23	-	20	100
ZJE 01 16 170	16 x 170	48	-	15	75
ZJE 01 16 220	16 x 220	98	-	10	50
Ø 20 - AF 30					
ZJE 01 20 170	20 x 170	23	-	10	50
ZJE 01 20 220	20 x 220	73	-	5	25

 **ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung**
Homologación ETA-CE / Сертификация ETA-CE

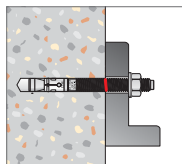
* tfix,std - maximum thickness of fixture with standard embedment depth (see ETA 13/1012)

* tfix,red - maximum thickness of fixture with reduced embedment depth (see ETA 13/1012)



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-13/1012 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение

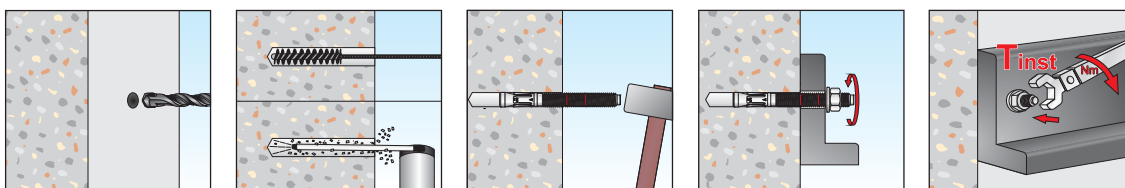


For heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



 DoP



Declaration of Performance

ZJE 31 ^{New}

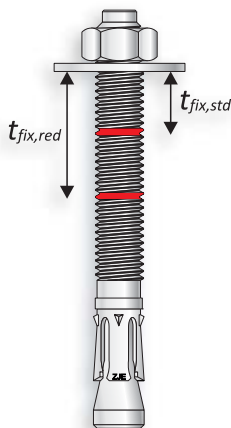
🇬🇧 **Wedge anchor in carbon steel, with nut and large series washer, zinc plated, ETA-CE Opt.7 certified**

🇫🇷 Barre d'ancrage zinguée avec écrou et rondelle large, certification ATE-CE Option 1

🇩🇪 Verzinkter Bolzenanker mit Sechskantmutter und breiter Scheibe, mit ETA-CE Zulassung Option 1

🇪🇸 Anclaje macho montado con tuerca y arandela ancha, de acero cincado, Homologado ETA-CE Opción 7

🇷🇺 Анкерный болт со специальным распорным кольцом из оцинкованной стали, с гайкой и широкой шайбой, с сертификатом ETA-CE опция 7



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-13/1012 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

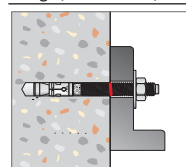
Item code	Anchor size Ø x La (mm)	Maximum thickness of fixture*		Pcs. per box	Pcs. per carton
		tfix,std	tfix,red		
Ø 6 - AF 10					
ZJE 31 06 060	6 x 60	2	-	100	1.000
ZJE 31 06 080	6 x 80	22	-	100	1.000
ZJE 31 06 100	6 x 100	42	-	100	1.000
ZJE 31 06 120	6 x 120	62	-	100	500
Ø 8 - AF 13					
ZJE 31 08 060	8 x 60	-	3	100	500
ZJE 31 08 075	8 x 75	5	18	100	500
ZJE 31 08 090	8 x 90	20	33	100	500
ZJE 31 08 115	8 x 115	45	58	50	500
ZJE 31 08 130	8 x 130	60	73	50	500
Ø 10 - AF 17					
ZJE 31 10 070	10 x 70	-	3	50	250
ZJE 31 10 080	10 x 80	-	13	50	250
ZJE 31 10 090	10 x 90	10	23	50	250
ZJE 31 10 120	10 x 120	40	53	25	250
ZJE 31 10 150	10 x 150	70	83	25	250
Ø 12 - AF 19					
ZJE 31 12 090	12 x 90	-	13	25	125
ZJE 31 12 110	12 x 110	18	33	25	125
ZJE 31 12 140	12 x 140	48	63	25	125
ZJE 31 12 160	12 x 160	68	83	25	125
ZJE 31 12 180	12 x 180	88	103	15	75
Ø 14 - AF 22					
ZJE 31 14 120	14 x 120	12	-	25	125
ZJE 31 14 145	14 x 145	37	-	20	100
ZJE 31 14 170	14 x 170	62	-	20	100
Ø 16 - AF 24					
ZJE 31 16 125	16 x 125	3	-	25	125
ZJE 31 16 145	16 x 145	23	-	20	100
ZJE 31 16 170	16 x 170	48	-	20	100
ZJE 31 16 220	16 x 220	98	-	10	50
Ø 20 - AF 30					
ZJE 31 20 170	20 x 170	23	-	10	50
ZJE 31 20 220	20 x 220	73	-	5	25

• **ETA-CE Option 7 Certified item** / Agrément technique européen ATE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

* $t_{fix,std}$ - maximum thickness of fixture with standard embedment depth (see ETA 13/1012)

* $t_{fix,red}$ - maximum thickness of fixture with reduced embedment depth (see ETA 13/1012)

Usage / Utilisation / Benutzung / Uso / Применение

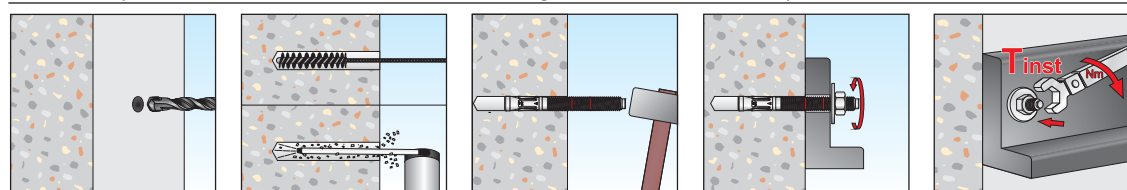


For heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

ZJE 71 ^{New}

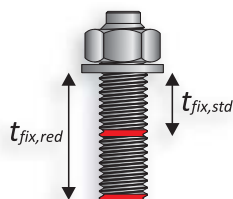
🇬🇧 **A4 (AISI 316) stainless steel wedge anchor, with nut and washer, ETA-CE Opt.7 certified**

🇫🇷 Barre d'ancrage en acier Inox A4 (AISI 316) avec écrou et rondelle, certification ATE-CE Option 7

🇩🇪 Bolzenanker aus Edelstahl A4 (AISI 316) mit Sechskantmutter und Scheibe, mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje macho montado con tuerca y arandela, de Acero Inoxidable A4 (AISI 316), Homologado ETA-CE Opción 7

🇷🇺 Анкерный болт со специальным распорным кольцом из нержавеющей стали A4 (AISI 316), с гайкой и шайбой, с сертификатом ETA-CE опция 7



Item code	Anchor size	Maximum thickness of fixture*		Pcs. per box	Pcs. per carton
	Ø x La (mm)	t _{fix,std}	t _{fix,red}		
Ø 6 - AF 10					
ZJE 71 06 060	6 x 60	2	-	100	1.000
ZJE 71 06 080	6 x 80	22	-	100	1.000
Ø 8 - AF 13					
ZJE 71 08 075	8 x 75	5	18	100	500
ZJE 71 08 090	8 x 90	20	33	100	500
ZJE 71 08 115	8 x 115	45	58	50	500
Ø 10 - AF 17					
ZJE 71 10 070	10 x 70	-	3	50	250
ZJE 71 10 090	10 x 90	10	23	50	250
ZJE 71 10 120	10 x 120	40	53	50	250
ZJE 71 10 150	10 x 150	70	83	50	250
Ø 12 - AF 19					
ZJE 71 12 090	12 x 90	-	13	50	250
ZJE 71 12 110	12 x 110	18	33	25	125
ZJE 71 12 140	12 x 140	48	63	25	125
Ø 16 - AF 24					
ZJE 71 16 145	16 x 145	23	-	20	100
ZJE 71 16 170	16 x 170	48	-	15	75
Ø 20 - AF 30					
ZJE 71 20 170	20 x 170	23	-	10	50
ZJE 71 20 220	20 x 220	73	-	5	25

★ ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung

Homologación ETA-CE / Сертификация ETA-CE

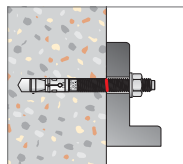
* t_{fix,std} - maximum thickness of fixture with standard embedment depth (see ETA 13/1012)

* t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see ETA 13/1012)



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-13/1012 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение

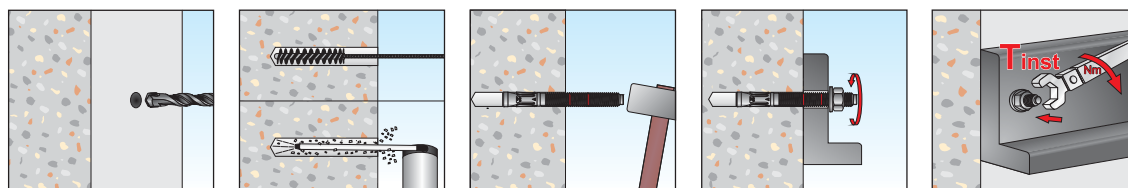


For heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

ZJE 81 ^{New}

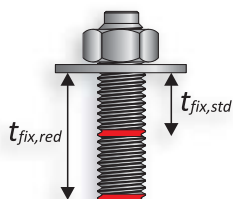
🇬🇧 **A4 (AISI 316) stainless steel wedge anchor, with nut and large series washer, ETA-CE Opt.7 certified**

🇫🇷 Barre d'ancrage en acier Inox A4 (AISI 316) avec écrou et rondelle large, certification ATE-CE Option 7

🇩🇪 Bolzenanker aus Edelstahl A4 (AISI 316) mit Sechskantmutter und breiter Scheibe, mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje macho montado con tuerca y arandela ancha, de Acero Inoxidable A4 (AISI 316), Homologado ETA-CE Opción 7

🇷🇺 Анкерный болт со специальным распорным кольцом из нержавеющей стали A4 (AISI 316), с гайкой и широкой шайбой, с сертификатом ETA-CE опция 7



A4
Stainless Steel



Item code	Anchor size Ø x La (mm)	Maximum thickness of fixture*		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 - AF 10					
ZJE 81 06 060	6 x 60	2	-	100	1.000
ZJE 81 06 080	6 x 80	22	-	100	1.000
Ø 8 - AF 13					
ZJE 81 08 075	8 x 75	5	18	100	500
ZJE 81 08 090	8 x 90	20	33	100	500
ZJE 81 08 115	8 x 115	45	58	50	500
Ø 10 - AF 17					
ZJE 81 10 070	10 x 70	-	3	50	250
ZJE 81 10 090	10 x 90	10	23	50	250
ZJE 81 10 120	10 x 120	40	53	25	250
ZJE 81 10 150	10 x 150	70	83	25	250
Ø 12 - AF 19					
ZJE 81 12 090	12 x 90	-	13	25	125
ZJE 81 12 110	12 x 110	18	33	25	125
ZJE 81 12 140	12 x 140	48	63	25	125
Ø 16 - AF 24					
ZJE 81 16 145	16 x 145	23	-	20	100
ZJE 81 16 170	16 x 170	48	-	20	100
Ø 20 - AF 30					
ZJE 81 20 170	20 x 170	23	-	10	50
ZJE 81 20 220	20 x 220	73	-	5	25

★ ETA-CE Option 7 Certified item / Agrément technique européen ATE-CE / ETA-CE Zulassung

Homologación ETA-CE / Сертификация ETA-CE

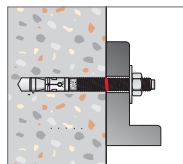
* t_{fix,std} - maximum thickness of fixture with standard embedment depth (see ETA 13/1012)

* t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see ETA 13/1012)



European Technical Approval
OPTION 7 for non-cracked concrete
ETA-13/1012 ETAG 001 - PART 1 and 2
DoP available on www.tecni.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение

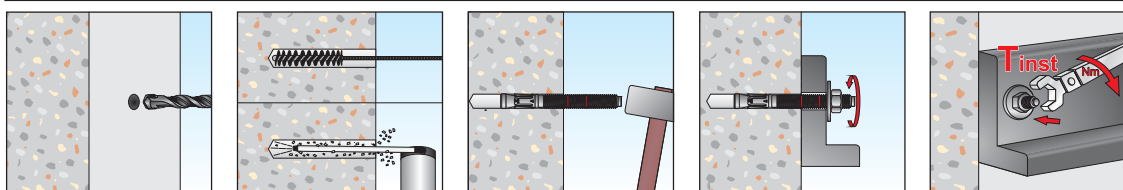


For heavy duty fixings in non-cracked concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance

AJ 04

Wedge anchor with steel clip, assembled with hex nut and washer, zinc plated

Barre d'ancrage en acier zingué avec tôle mince, écrou hexagonal et rondelle

Verzinkter Anker mit Feinblech, Sechskantmutter und Scheibe

Anclaje con grapa de acero cincado, montado con tuerca hexagonal y arandela, de acero cincado

Оцинкованный анкерный болт с распорным кольцом из оцинкованной стали с шестигранной гайкой и шайбой

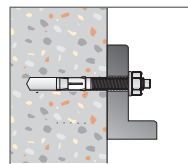


Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 6 - AF 10			
AJ 04 06 055*	6 x 55 / 5	100	1.000
AJ 04 06 085*	6 x 85 / 35	100	1.000
Ø 8 - AF 13			
AJ 04 08 050*	8 x 50 / 5	100	1.000
AJ 04 08 075	8 x 75 / 10	100	500
AJ 04 08 095	8 x 95 / 30	100	500
AJ 04 08 115	8 x 115 / 50	50	500
AJ 04 08 135	8 x 135 / 70	50	500
Ø 10 - AF 17			
AJ 04 10 060*	10 x 60 / 5	50	500
AJ 04 10 080	10 x 80 / 5	50	500
AJ 04 10 100	10 x 100 / 25	50	250
AJ 04 10 120	10 x 120 / 45	50	250
AJ 04 10 140	10 x 140 / 65	50	250
Ø 12 - AF 19			
AJ 04 12 080	12 x 80 / 5	50	250
AJ 04 12 095	12 x 95 / 5	50	250
AJ 04 12 110	12 x 110 / 20	50	250
AJ 04 12 130	12 x 130 / 40	25	125
AJ 04 12 160	12 x 160 / 70	25	125
AJ 04 12 180*	12 x 180 / 90	25	125
Ø 14 - AF 22			
AJ 04 14 080*	14 x 80 / 5	25	250
AJ 04 14 095*	14 x 95 / 20	25	125
AJ 04 14 110*	14 x 110 / 10	25	125
AJ 04 14 130*	14 x 130 / 30	25	125
AJ 04 14 160*	14 x 160 / 60	20	100
AJ 04 14 180*	14 x 180 / 80	15	75
Ø 16 - AF 24			
AJ 04 16 110*	16 x 110 / 15	25	125
AJ 04 16 125*	16 x 125 / 5	25	125
AJ 04 16 145*	16 x 145 / 25	20	100
AJ 04 16 180*	16 x 180 / 60	15	75
AJ 04 16 200*	16 x 200 / 80	15	75
Ø 20 - AF 30			
AJ 04 20 170*	20 x 170 / 30	10	50
AJ 04 20 220*	20 x 220 / 80	10	50
Ø 24 - AF 36			
AJ 04 24 160**	24 x 160 / 10	5	25
AJ 04 24 200**	24 x 200 / 40	5	25
AJ 04 24 260**	24 x 260 / 100	5	15
AJ 04 24 310**	24 x 310 / 150	5	15

Box / Boîte / Verpackung / Caja / Упаковка



Usage / Utilisation / Benutzung / Uso / Применение



For general fixings in concrete.

* Until stockout

* Jusqu'à épuisement des stocks

* Solange der Vorrat reicht

* Hasta agotar existencias

* До окончания стока

** Available on request (quantity and lead time to be agreed)

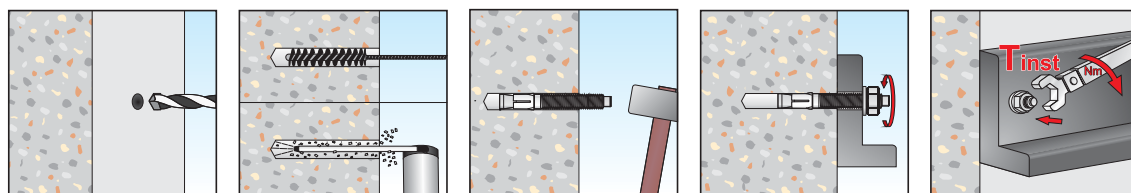
** Disponible sur demande (quantité et délai de livraison à concorder)

** Verfügbar auf Anfrage (menge und Liefertermin zu vereinbaren)

** Disponible bajo solicitud (cantidad y tiempos de entrega a concordar)

** На заказ (количество и срок поставки по соглашению)

Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



AJ 02

 Until stockout
Jusqu'à épuisement de stocks
Solange der Vorrat reicht
Hasta agotar existencias
до окончания стока

 **Wedge anchor with double A2 stainless steel clip, assembled with hex nut and washer, zinc plated**

 Barre d'ancrage en acier zingué avec deux tôles minces en Acier Inox A2, écrou hexagonal zingué et rondelle

 Verzinkter Anker mit doppeltem Feinblech aus Edelstahl A2, verzinkter Sechskantmutter und Scheibe

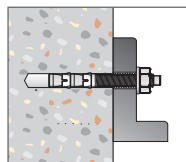
 Anclaje con doble grapa de acero inoxidable A2, montado con tuerca hexagonal y arandela, de acero cincado

 Оцинкованный анкерный болт с двойным стальным распорным кольцом из нержавеющей стали A2 с шестигранной гайкой и шайбой



Item code	Size $\varnothing \times L / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 6 - AF 10			
AJ 02 06 065	6 x 65 / 15	100	1.000
AJ 02 06 100	6 x 100 / 50	100	1.000
Ø 8 - AF 13			
AJ 02 08 060	8 x 60 / 5	100	1.000
AJ 02 08 080	8 x 80 / 25	100	500
AJ 02 08 100	8 x 100 / 45	100	500
AJ 02 08 115	8 x 115 / 60	50	500
AJ 02 08 135	8 x 135 / 80	50	500
Ø 10 - AF 17			
AJ 02 10 070	10 x 70 / 5	50	500
AJ 02 10 090	10 x 90 / 25	50	500
AJ 02 10 120	10 x 120 / 55	50	250
AJ 02 10 140	10 x 140 / 75	50	250
Ø 12 - AF 19			
AJ 02 12 080	12 x 80 / 5	50	250
AJ 02 12 100	12 x 100 / 20	50	250
AJ 02 12 120	12 x 120 / 40	50	250
AJ 02 12 140	12 x 140 / 60	25	125
AJ 02 12 180	12 x 180 / 100	25	125
Ø 16 - AF 24			
AJ 02 16 110	16 x 110 / 25	25	125
AJ 02 16 145	16 x 145 / 60	20	100
AJ 02 16 175	16 x 175 / 70	15	75

Usage / Utilisation / Benutzung / Uso / Применение

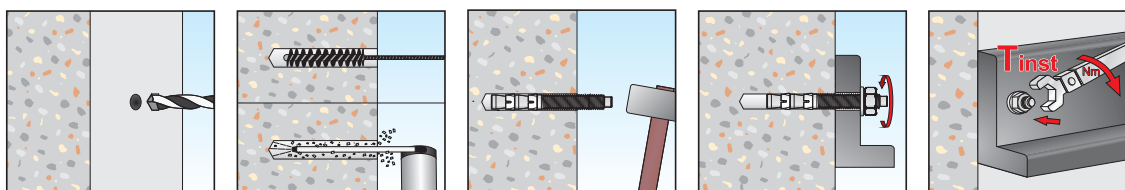


For general fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



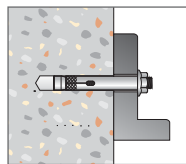
AW 01

-  **Sleeve anchor with flanged nut with serration, zinc plated**
-  Cheville à douille zinguée avec écrou à embase moleté
-  Verzinkter Hülsenanker mit gerändelter Schraubenmutter mit Flansch
-  Anclaje plancha envuelta con tuerca rebordeada y estriada, de acero cincado
-  Оцинкованный анкер с фланцевой гайкой



Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size M	Pcs. per box	Pcs. per carton
Ø 8 - M6 - AF 10				
AW 01 08 065	8 x 65 / 10	M6	50	500
Ø 10 - M8 - AF 13				
AW 01 10 050	10 x 50 / 10	M8	50	500
AW 01 10 077	10 x 77 / 15	M8	50	500
AW 01 10 097	10 x 97 / 20	M8	50	500
Ø 12 - M10 - AF 17				
AW 01 12 075	12 x 75 / 10	M10	25	250
AW 01 12 099	12 x 99 / 20	M10	25	250
AW 01 12 129	12 x 129 / 30	M10	25	250
Ø 16 - M12 - AF 19				
AW 01 16 111	16 x 111 / 20	M12	15	150
AW 01 16 147	16 x 147 / 30	M12	15	75

Usage / Utilisation / Benutzung / Uso / Применение

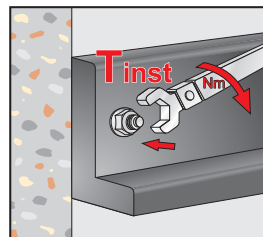
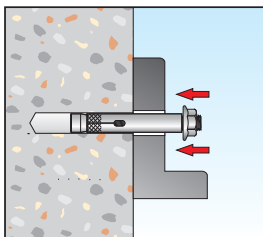
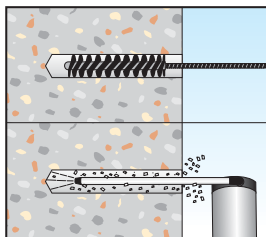
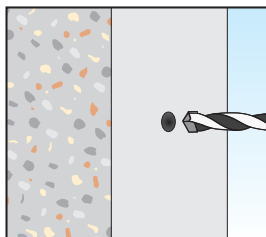


For general fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



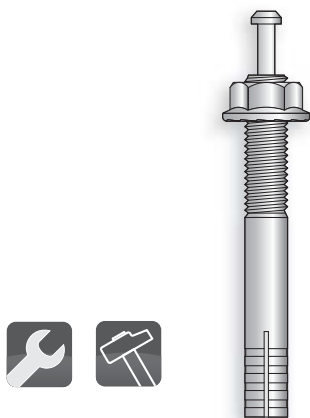
Technical Data Sheet



EB 01

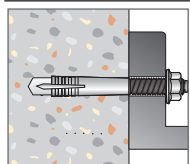
Zinc plated hit anchor with flanged nut

-  Barre d'ancrage en acier zingué à marteler, avec écrou à embase
-  Verzinkter Anker zu hämmern und Schraubenmutter mit Flansch
-  Anclaje clavable con tuerca rebordeada, de acero cincado
-  Оцинкованный ударный анкер с фланцевой гайкой



Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 6 - AF 10			
EB 01 06 045	6 x 45 / 15	50	500
EB 01 06 060	6 x 60 / 50	50	500
Ø 8 - AF 13			
EB 01 08 050	8 x 50 / 5	50	500
EB 01 08 070	8 x 70 / 25	50	500
Ø 10 - AF 17			
EB 01 10 060	10 x 60 / 45	50	500
EB 01 10 080	10 x 80 / 60	50	250
EB 01 10 100	10 x 100 / 80	50	250
EB 01 10 120	10 x 120 / 90	50	250
Ø 12 - AF 19			
EB 01 12 070	12 x 70 / 25	25	250
EB 01 12 090	12 x 90 / 55	25	250
EB 01 12 120	12 x 120 / 75	25	125
Ø 16 - AF 24			
EB 01 16 100	16 x 100 / 5	20	100
EB 01 16 120	16 x 120 / 25	20	100

Usage / Utilisation / Benutzung / Uso / Применение

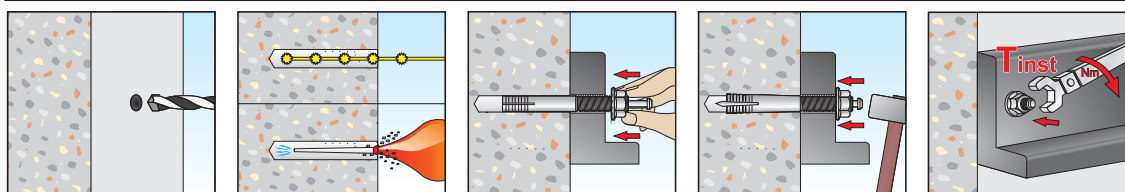


For general fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



HL 01

 **Zinc plated drop-in anchor, with internal and pre-assembled cone, to be hammered with setting tool (item HM01)**

 Cheville zinguée avec cône d'expansion interieur, à marteler avec outil (code HM 01)

 Verzinkter Dübel mit Innenkonus, mit Werkzeuge (Kodex HM 01) zu hämmern

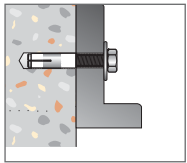
 Anclaje hembra con cono interior, clavable con expansionador manual (artículo HM 01), de acero cincado

 Оцинкованный забивной анкер (инструмент для забивания HL01)



Item code	Size	Pcs. per box	Pcs. per carton
	M x Ø x L (mm)		
HL 01 06 025	M6 x 8 x 25	100	1.600
HL 01 08 030	M8 x 10 x 30	100	1.600
HL 01 10 040	M10 x 12 x 40	50	1.000
HL 01 12 050	M12 x 15 x 50	50	500
HL 01 16 065	M16 x 20 x 65	25	200
HL 01 20 080	M20 x 25 x 80	25	150

Usage / Utilisation / Benutzung / Uso / Применение



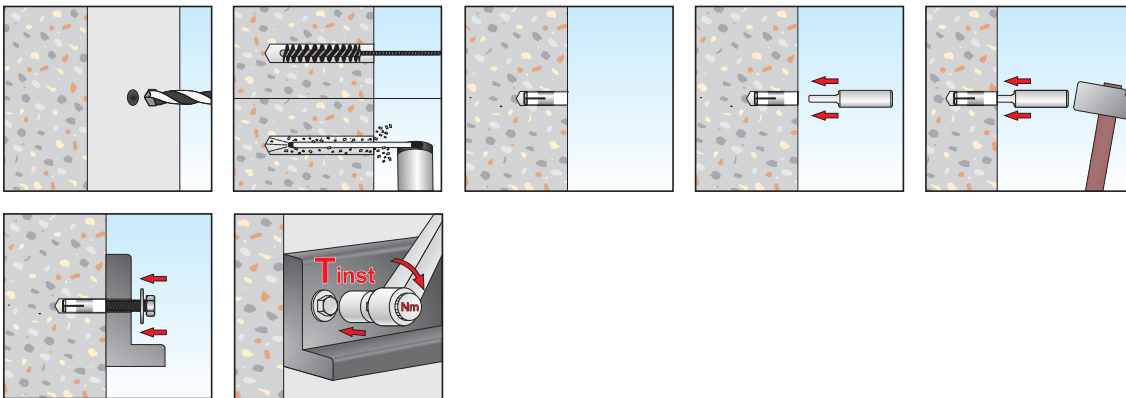
For general fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

 Technical Data Sheet



HM 01

 **Zinc plated special tool, suitable for hammering item HL 01 (Drop-in anchor)**

 Outil zingué pour le montage des chevilles HL 01 à marteler

 Verzinkter Werkzeug für die Montage des Dübels HL 01, zu hämmern

 Expansionador manual de acero cincado, para anclaje hembra HL 01

 Оцинкованный инструмент для забивного анкера HL01



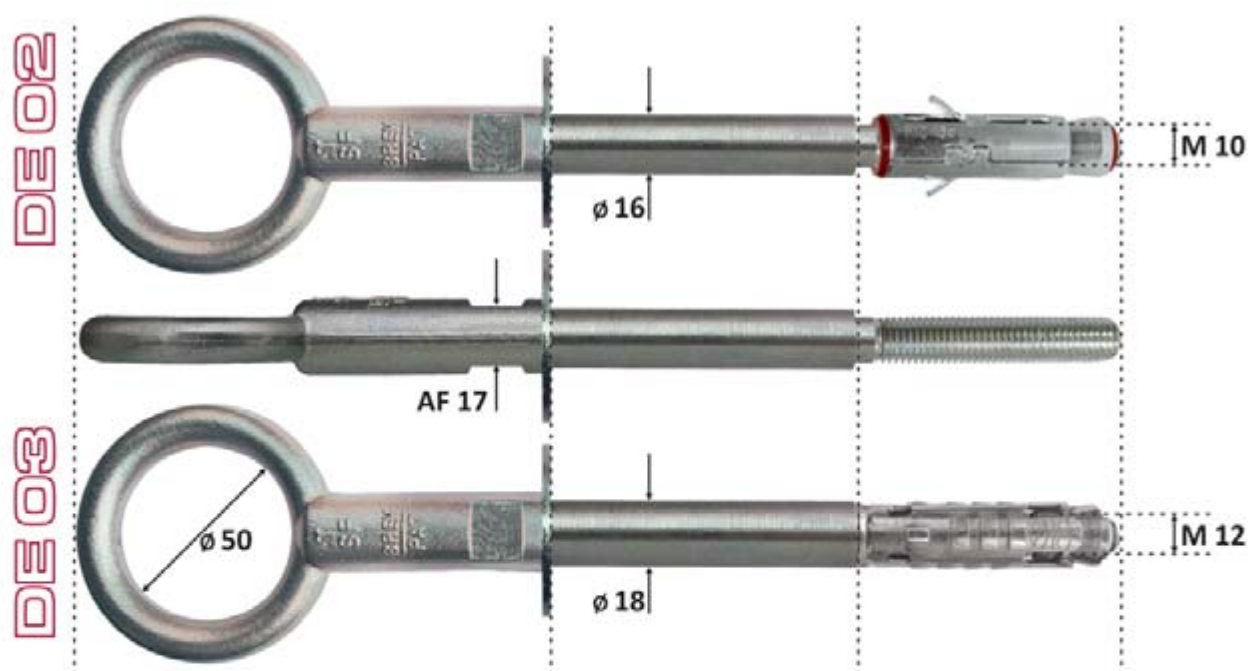
Item code	Suitable for anchor	Pcs. per box
	M	
HM 01 06 115	M6	1
HM 01 08 115	M8	1
HM 01 10 127	M10	1
HM 01 12 140	M12	1
HM 01 16 152	M16	1
HM 01 20 152	M20	1



SerGOLF

The special and **PATENTED** hot forged eyebolt
with two flat grounded surfaces (AF 17 mm)

Special scaffolding fixing system for buildings
(the scaffolding must be leant on the floor)



SER-GOLF (PATENTED) is provided with two flat grounded surfaces (AF 17 mm) which allows the driving of the steel anchor with torque wrench avoiding eyebolt damages and failures and assuring a perfect fixing.



DE

SerGOLF®

 **Steel anchor with wings with SER-GOLF® (eye Ø 50 mm), the special and PATENTED hot forged eyebolt for scaffolding fixing to buildings (scaffolding must lean on the floor)**

 Cheville en acier avec ailettes avec SER-GOLF®, le piton mâle forgé BREVETÉ pour les échafaudages appuyés par terre

 Verzinkter Anker mit zwei Flügel mit SER-GOLF®, der PATENTIERTE geschmiedene Augbolzen für Gerüsten am Boden

 Anclaje de acero con alas, montado con SER-GOLF®, la especial argolla PATENTADA forjada en caliente, para la fijación a la pared de andamios apoyados en el suelo

 Стальной анкер с блокировочными усами с запатентованным рым-болтом SER-GOLF® для крепления строительных лесов стоечного типа

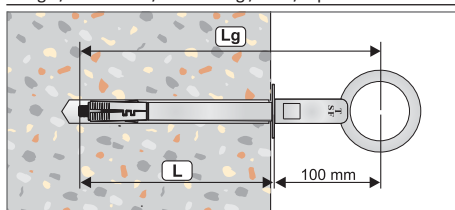


Item code	Anchor size Ø x La (mm)	Eyebolt size M x Lg / L (mm)	Pcs. per carton
M10 - AF 17			
DE 02 10 120	16 x 60	M10 x 220 / 120	15
DE 02 10 170	16 x 60	M10 x 270 / 170	15
M12 - AF 17			
DE 03 12 120	18 x 75	M12 x 220 / 120	10
DE 03 12 170	18 x 75	M12 x 270 / 170	10

 Technical Data Sheet



Usage / Utilisation / Benutzung / Uso / Применение

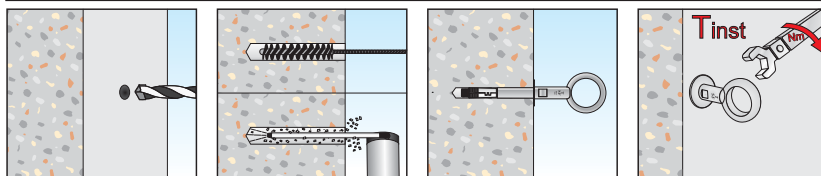


Steel anchor with wings, with a special hot forged eyebolt (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor). The new hot forged eyebolt SER-GOLF (PATENT PENDING) is provided with two flat grounded surfaces (AF 17 mm) which allow the driving in the steel anchor with torque wrench, for a perfect fixing and to avoid eyebolt breakings and failures.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DC 02

SerGOLF®

-  **SER-GOLF® - The special and PATENTED hot forged eyebolt (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)**
-  **SER-GOLF® - Le piton mâle forgé BREVETÉE (oeillet Ø 50 mm), pour les échafaudages appuyés par terre**
-  **SER-GOLF® - Der PATENTIERTE geschmiedene Augbolzen (Auge Ø 50 mm) für Gerüsten am Boden**
-  **SER-GOLF® - la especial argolla PATENTADA forjada en caliente (ojo Ø 50 mm), para la fijación a la pared de andamios apoyados en el suelo**
-  **SER-GOLF® - Запатентованный рым-болт (Ø проушины 50 мм) для крепления строительных лесов стоечного типа**



Item code	Eyebolt size M x Lg / L (mm)	Pcs. per carton
M10 - AF 17		
DC 02 10 220	M10 x 220 / 120	15
DC 02 10 270	M10 x 270 / 170	15
M12 - AF 17		
DC 02 12 220	M12 x 220 / 120	10
DC 02 12 270	M12 x 270 / 170	10

Box / Boîte / Verpackung / Caja / Упаковка



LQ - LS - LV

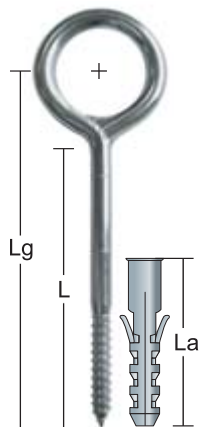
 **LQ 01 - Nylon anchor (Ø 14x100 mm) with a special welded eyebolt wood screw (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)**

 LQ 01 - Cheville en nylon (Ø 14x100 mm) avec pignon à bois soudé (oeillet Ø 50 mm), pour les échafaudages appuyés par terre

 LQ 01 - Nylandübel (Ø 14x100 mm) mit geschweißtem Augbolzen für Holz (Auge Ø 50 mm) für Gerüsten am Boden

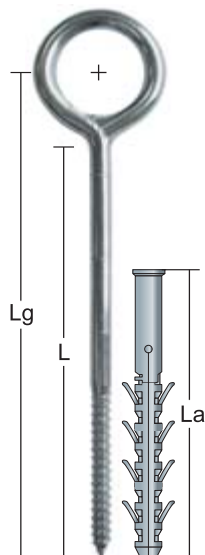
 LQ 01 - Taco de nylon (Ø 14x100 mm) montado con especial argolla con rosca para madera (ojo Ø 50 mm), para la fijación a la pared de andamios apoyados en el suelo

 LQ 01 - Нейлоновый дюбель (Ø 14x100 mm) с рым-болтом (Ø проушины 50 мм) для крепления строительных лесов стоечного типа



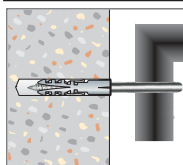
Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
Nylon Anchor 14 x 100				
LQ 01 12 100	14 x 100	12 x 140 / 100	15	75
LQ 01 12 120	14 x 100	12 x 160 / 120	15	75
LQ 01 12 160	14 x 100	12 x 200 / 160	15	75
LQ 01 12 200	14 x 100	12 x 240 / 200	15	75

LS 01 - LV 01 with nylon anchor Ø 16 mm / avec cheville en nylon Ø 16 mm / mit Nylandübel Ø 16 mm / completo de taco de nylon Ø 16
В комплекте с нейлоновым дюбелем Ø 16



Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
Nylon Anchor 16 x 140				
LS 01 12 160	16 x 140	12 x 200 / 160	15	75
LS 01 12 200	16 x 140	12 x 240 / 200	15	75
Nylon Anchor 16 x 160				
LV 01 12 200	16 x 160	12 x 240 / 200	15	75

Usage / Utilisation / Benutzung / Uso / Применение

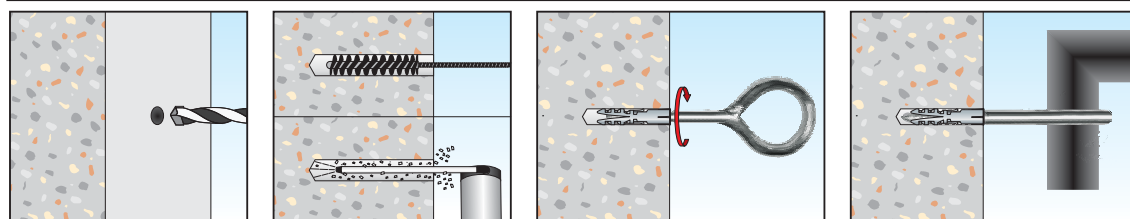


Nylon anchor with special welded eyebolt wood screw (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor). Suitable for fixings in concrete and stones.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



 Technical Data Sheet



LL 01

 **Welded eyebolt wood screw (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)**

 Piton soudé à bois (oeillet 50 mm.), pour les échafaudages appuyés par terre

 Geschweißter Augbolzen für Holz (Auge 50 mm), für Gerüsten am Boden

 Argolla con rosca para madera (ojo Ø 50 mm), para la fijación a la pared de andamios apoyados en el suelo

 Рым-болт (Ø проушины 50 мм) для строительных лесов стоечного типа



Item code	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
LL 01 12 140	12 x 140 / 100	25	75
LL 01 12 160	12 x 160 / 120	25	75
LL 01 12 200	12 x 200 / 160	20	60
LL 01 12 240	12 x 240 / 200	20	60

Box / Boîte / Verpackung / Caja / Упаковка



LW 01

 **Steel anchor with welded eyebolt (eye Ø 22 mm), for scaffolding fixing to buildings (scaffolding must lean on the floor), zinc plated**

 Cheville en acier avec piton soudé (oeillet 22 mm.) pour les échafaudages appuyés par terre

 Verzinkter Anker mit Augbolzen (Auge Ø 22 mm) für Gerüsten am Boden

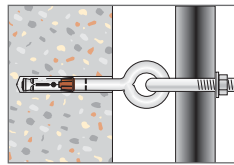
 Anclaje de acero montado con argolla (ojo Ø 22 mm), para la fijación a la pared de andamios apoyados en el suelo, de acero cincado

 Стальной оцинкованный анкер с рым-болтом (Ø проушины 22 мм) для крепления строительных лесов стоечного типа



Item code	Anchor size Ø x La (mm)	Eyebolt size M x Lg / L (mm)	Pcs. per box	Pcs. per carton
LW 01 12 110	12 x 60	M8 x 135 / 110	15	150
LW 01 12 160	12 x 60	M8 x 185 / 160	15	75
LW 01 12 190	12 x 60	M8 x 215 / 190	10	50

Usage / Utilisation / Benutzung / Uso / Применение



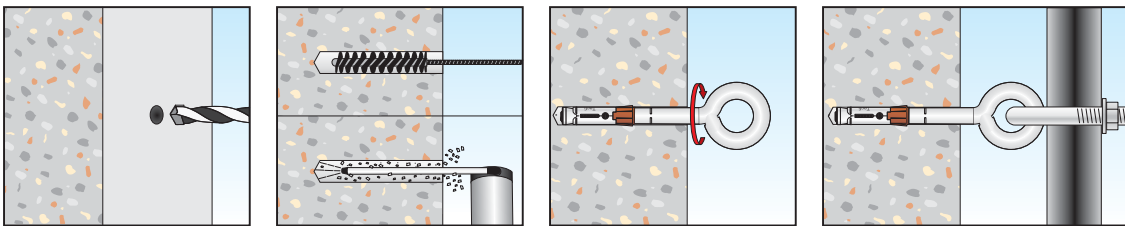
Steel anchor with special welded eyebolt (eye Ø 22 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor). Suitable for fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

 Technical Data Sheet



LM 01

 **Welded eyebolt (eye diam. 22 mm.), for scaffolding fixing to buildings (scaffolding must lean on the floor), zinc plated**

 Piton soudé (oeillet 22 mm.) zingué, pour les échafaudages appuyés par terre

 Geschweißter Augbolzen (Auge 22 mm), für Gerüsten am Boden

 Argolla (ojo Ø 22 mm), para la fijación a la pared de andamios apoyados en el suelo, de acero cincado

 Оцинкованный рым-болт (Ø проушины 22 мм) для строительных лесов стоечного типа



Item code	Eyebolt size M x Lg / L (mm)	Pcs. per box	Pcs. per carton
LM 01 12 135	M8 x 135 / 110	15	150
LM 01 12 185	M8 x 185 / 160	15	150
LM 01 12 215	M8 x 215 / 190	10	100

DF 01

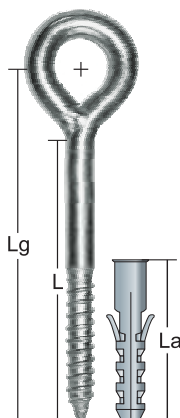
Nylon anchor (Ø 14x100 mm) with a special welded eyebolt wood screw (eye Ø 22 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)

Cheville en nylon (Ø 14x100 mm) avec piton à bois soudé (oeillet Ø 22 mm), pour les échafaudages appuyés par terre

Nylondübel (Ø 14x100 mm) mit geschweißtem Augbolzen für Holz (Auge Ø 22 mm) für Gerüsten am Boden

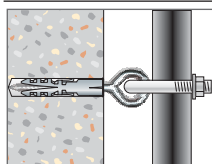
Taco de nylon (Ø 14x100 mm) montado con especial argolla con rosca para madera (ojo Ø 22 mm), para la fijación a la pared de andamios apoyados en el suelo

Нейлоновый дюбель (Ø 14x100 mm) с рым-болтом (Ø проушины 22 мм) для крепления строительных лесов стоечного типа



Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
DF 01 12 120	14 x 100	12 x 145 / 120	15	150
DF 01 12 160	14 x 100	12 x 185 / 160	15	75
DF 01 12 190	14 x 100	12 x 215 / 190	15	75
DF 01 12 230	14 x 100	12 x 255 / 230	10	50
DF 01 12 300	14 x 100	12 x 325 / 300	-	10
DF 01 12 350	14 x 100	12 x 375 / 350	-	10
DF 01 12 450	14 x 100	12 x 475 / 450	-	10
DF 01 12 500	14 x 100	12 x 525 / 500	-	10

Usage / Utilisation / Benutzung / Uso / Применение



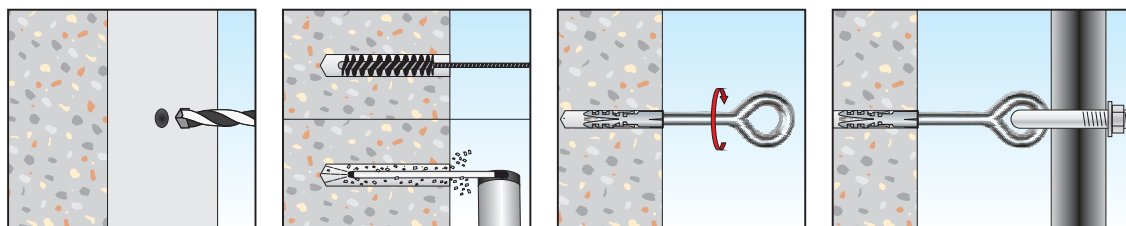
Nylon anchor with special welded eyebolt wood screw (eye Ø 22 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor). Suitable for fixings in concrete and stones.

Box / Boîte / Verpackung / Caja / Упаковка



Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

Technical Data Sheet



DD 01

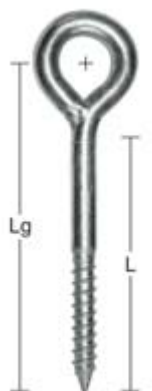
Welded eyebolt wood screw (eye Ø 22 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)

Piton soudé à bois (oeillet 22 mm.), pour les échafaudages appuyés par terre

Geschweißter Augbolzen für Holz (Auge 22 mm), für Gerüsten am Boden

Argolla con rosca para madera (ojo Ø 22 mm), para la fijación a la pared de andamios apoyados en el suelo

Оцинкованный рым-болт (Ø проушины 22 мм) для строительных лесов стоечного типа



Item code	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
DD 01 12 120	12 x 145 / 120	25	125
DD 01 12 160	12 x 185 / 160	20	100
DD 01 12 190	12 x 215 / 190	20	100
DD 01 12 230	12 x 255 / 230	15	75
DD 01 12 300	12 x 325 / 300	-	15
DD 01 12 350	12 x 375 / 350	-	15
DD 01 12 450	12 x 475 / 450	-	15
DD 01 12 500	12 x 525 / 500	-	15

HD 03

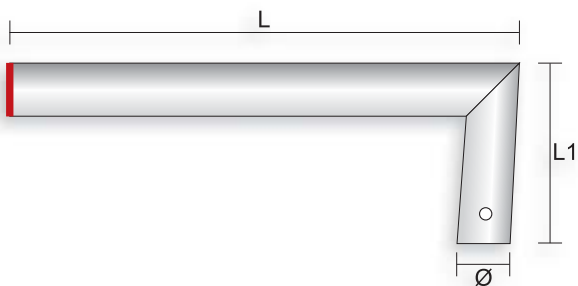
 **"L" welded steel pipe with safety hole, for connection eyebolt-scaffolding, zinc plated**

 Tuyau zingué avec crochet soudé, avec trou de sécurité, pour liaison entre le piton et l'échafaudage

 Gelöteter "L" Arm mit Lochsicherheit, verzinkt, um Augbolzen und Gerüste zu verbinden

 Extensión en forma de "L" con agujero de seguridad, de acero cincado, para unión entre andamio y argolla

 Оцинкованная труба в виде крюка с предохранительным отверстием для соединения строительных лесов с рым-болтом



Item code	Size	Pcs. per carton
	$\varnothing \times L \times L1$	
HD 03 48 480	48 x 480 x 170	6

Technical Report



Technical Report N° 2010/756/1 issued by Department of Structural Engineering of "Politecnico di Milano" - Test setup according to UNI EN 74-1:2007.

(download the complete certificate from www.tecfi.it "ETA and Technical report Download Area")

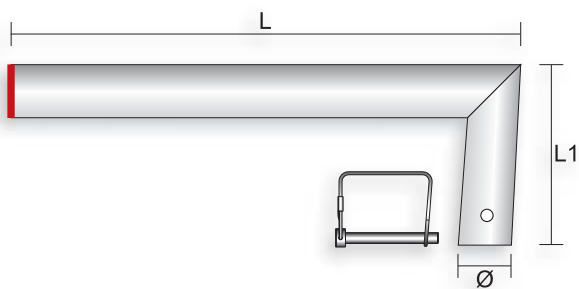
HD 05  with Wire Lock Pin (FQ01)

 avec trou de sécurité et broche de blocage (FQ01)

 mit Lochsicherheit und Sperrstift (FQ01)

 con agujero de seguridad y sistema bloqueante circular (FQ01)

 В комплекте с соединителем с предохранителем (FQ01)



Item code	Size	Pcs. per carton
	$\varnothing \times L \times L1$	
HD 05 48 480	48 x 480 x 170	8



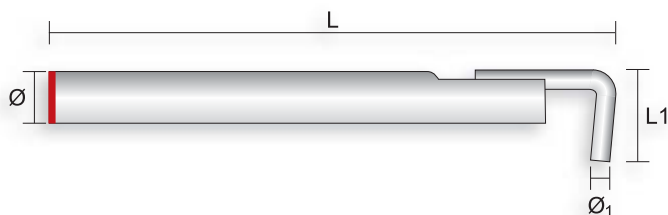
Box / Boîte / Verpackung / Caja / Упаковка



HO 01

Steel pipe with welded hook for connection eyebolt-scaffolding, zinc plated

-  Tuyau zingué avec crochet rond soudé, pour liaison entre le piton et l'échafaudage
-  Gelöteter "Hakenarm", verzinkt, um Augbolzen und Gerüste zu verbinden
-  Extensión con gancho soldado de acero cincado, para unión entre andamio y argolla
-  Оцинкованная труба с крюком для соединения строительных лесов с рым-болтом



Item code	Size	Pcs. per carton
	$\varnothing \times L \times \varnothing_1 \times L1$	
HO 01 18 500	48 x 550 x 18 x 90	4

Box / Boîte / Verpackung / Caja / Упаковка



AL 01

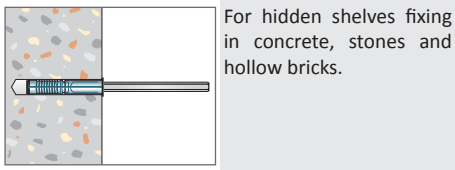
Hexagonal steel bracket with nylon plug, for shelves fixing

-  Support hexagonal en acier pour la fixation de consoles avec cheville en nylon
-  Verzinkter Sechskanthalter für Befestigung von Konsole mit Nylandübel
-  Soporte hexagonal de acero cincado con taco de nylon, para la fijación de estantes
-  Шестигранный стальной кронштейн с нейлоновым дюбелем для крепления полок



Item code	Bracket size Ø x Lb (mm)	Across flat size mm	Pcs. per box	Pcs. per carton
Ø 10				
AL 01 10 100	10 x 100	8	30	300
AL 01 10 120	10 x 120	8	30	300
AL 01 10 140	10 x 140	8	30	300
Ø 12				
AL 01 12 100	12 x 100	10	30	300
AL 01 12 140	12 x 140	10	30	150
AL 01 12 170	12 x 170	10	30	150
Ø 14				
AL 01 14 120	14 x 120	12	20	100
AL 01 14 140	14 x 140	12	20	100
AL 01 14 170	14 x 170	12	20	100

Usage / Utilisation / Benutzung / Uso / Применение



For hidden shelves fixing in concrete, stones and hollow bricks.

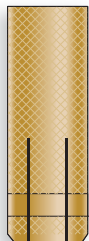
Box / Boîte / Verpackung / Caja / Упаковка



AK 01

Knurled brass anchor

-  Cheville en laiton moletée
-  Gerändelter Dübel aus Messing
-  Taco de latón
-  Забивной латунный анкер



Item code	Size M x Ø x L	Pcs. per box	Pcs. per carton
AK 01 00 004	M4 x 5 x 16	200	2.000
AK 01 00 005	M5 x 6,5 x 20,5	200	2.000
AK 01 00 006	M6 x 8 x 23,5	200	2.000
AK 01 00 008	M8 x 10 x 28	200	2.000
AK 01 00 010	M10 x 12 x 33	100	1.000
AK 01 00 012	M12 x 15 x 38	50	500
AK 01 00 014	M14 x 18 x 42	50	500

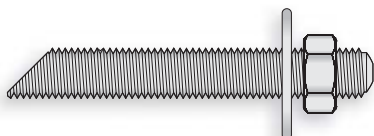
Box / Boîte / Verpackung / Caja / Упаковка



LN 01

Chemical anchor stud 45° sliced, 5.8 grade, with nut and washer, zinc plated

-  Tige filetée coupée à 45°, pour fixations chimiques, classe 5.8, avec écrou et rondelle, en acier zingué
-  Verzinkte Gewindestange 45° geschnitten, für chemischen Befestigungen, Klasse 5.8, mit Schraubenmutter und Scheibe
-  Espárrago para anclaje químico, ángulo 45°, clase 5.8, con tuerca hexagonal y arandela, de acero cincado
-  Оцинкованный резьбовой стержень под углом в 45° класса 5.8 с гайкой и шайбой для химической анкеровки



Item code	Size	Pcs. per box	Pcs. per carton
	M x L (mm)		
LN 01 08 110	M8 x 110	50	500
LN 01 10 130	M10 x 130	25	250
LN 01 12 160	M12 x 160	25	125
LN 01 16 190	M16 x 190	12	60
LN 01 20 260	M20 x 260	6	30
LN 01 24 300	M24 x 300	-	6

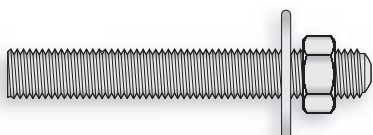
Box / Boîte / Verpackung / Caja / Упаковка



DA 02

Flat ends steel bar 5.8 grade with hex nut and washer, zinc plated

-  Tige filetée classe 5.8, avec écrou hexagonal et rondelle, en acier zingué
-  Gewindestange Klasse 5.8 mit Sechskantmutter und Scheibe, verzinkt
-  Espárrago para anclaje químico, clase 5.8, con tuerca hexagonal y arandela, de acero cincado
-  Оцинкованный резьбовой стержень класса 5.8 с гайкой и шайбой для химической анкеровки



Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M6 - AF 10			
DA 02 06 065	M6 x 65	100	1.000
M8 - AF 13			
DA 02 08 065	M8 x 65	50	500
DA 02 08 075	M8 x 75	50	500
DA 02 08 085	M8 x 85	50	500
DA 02 08 105	M8 x 105	50	500
M10 - AF 17			
DA 02 10 080	M10 x 80	50	250
DA 02 10 095	M10 x 95	50	250
DA 02 10 110	M10 x 110	50	250
DA 02 10 130	M10 x 130	25	250
M12 - AF 19			
DA 02 12 115	M12 x 115	25	250
DA 02 12 160*	M12 x 160	25	125
M16 - AF 24			
DA 02 16 190*	M16 x 190	12	60
M20 - AF 30			
DA 02 20 250*	M20 x 250	6	30

 * Until stockout

 * Jusqu'à épuisement de stock

 * Solange der Vorrat reicht

 * Disponible hasta agotar existencias

 * до окончания стока

Box / Boîte / Verpackung / Caja / Упаковка



DAT 02

Slotted dog point steel bar 8.8 grade with hex nut and washer, zinc plated

 Tige filetée fendue classe 8.8, avec écrou hexagonal et rondelle, en acier zingué

 Gewindestange mit Schlitz Klasse 8.8 mit Sechskantmutter und Scheibe, verzinkt

 Espárrago para anclaje químico, clase 8.8, con tuerca hexagonal y arandela, de acero cincado

 Оцинкованный резьбовой стержень класса 8.8 с шестигранной гайкой и шайбой



Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M6 - AF 10			
DAT 02 06 090	M6 x 90	100	1.000
DAT 02 06 100	M6 x 100	100	1.000
DAT 02 06 120	M6 x 120	50	500
DAT 02 06 140	M6 x 140	50	500
M8 - AF 13			
DAT 02 08 100	M8 x 100	50	500
DAT 02 08 120	M8 x 120	50	500
DAT 02 08 140	M8 x 140	50	500
DAT 02 08 160	M8 x 160	50	250
M10 - AF 17			
DAT 02 10 125	M10 x 125	25	250
DAT 02 10 145	M10 x 145	25	250
DAT 02 10 165	M10 x 165	25	250
DAT 02 10 185	M10 x 185	25	250
M12 - AF 19			
DAT 02 12 150	M12 x 150	25	125
DAT 02 12 180	M12 x 180	25	125
DAT 02 12 200	M12 x 200	15	75
DAT 02 12 230	M12 x 230	15	75
M16 - AF 24			
DAT 02 16 175	M16 x 175	15	75
DAT 02 16 205	M16 x 205	12	60
DAT 02 16 235	M16 x 235	12	60
DAT 02 16 255	M16 x 255	12	60

CV 01 - CU 01

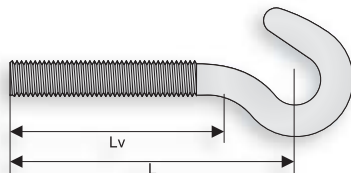
CV 01 - Steel hook screw, zinc plated

 CV 01 - Crochet rond en acier zingué

 CV 01 - Verzinkte Rundhaken

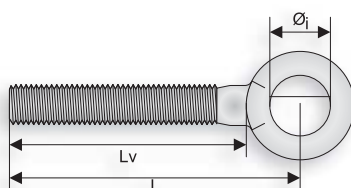
 CV 01 - Gancho de acero cincado

 CV 01 - Оцинкованный крюк



Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
CV 01 06 055	M6 x 55	100	1.000
CV 01 08 065	M8 x 65	50	500
CV 01 10 081	M10 x 81	25	250
CV 01 12 098	M12 x 98	15	150

CU 01 Steel eye screw, zinc plated / Oeillet en acier zingué / Verzinkte Augenschraube / Argolla de acero cincado / Оцинкованное кольцо



Item code	Size M x L x Øi (mm)	Pcs. per box	Pcs. per carton
CU 01 06 055	M6 x 55 x 10	100	1.000
CU 01 08 065	M8 x 65 x 11,5	50	500
CU 01 10 081	M10 x 81 x 14	25	250
CU 01 12 098	M12 x 98 x 17	15	150

SWE 01



Item code SWE01, already certified for static and quasi-static action, from May 2014 will be also certified for seismic action according to the C2 performance category (ETAG001-ANNEX E)

- Dual component Epoxy resin for heavy duty fixings, ETA-CE certified**
- Résine époxy à deux composants pour fixations lourdes, avec certification ATE-CE
- Zweikomponenten Epoxidharz für schwere Befestigungseign, mit ETA-CE Zulassung
- Resina Epoxy bicomponente para fijaciones pesadas, Homologado ETA-CE
- Двухкомпонентный состав из эпоксидной смолы для крепления тяжелых нагрузок, с сертификатом ETA-CE



Sinto 4000 ST-EE
SWE 01 00 400

Sinto 9000 ST-EE
SWE 01 00 900

Item code	Contents	Pcs. per carton
SWE 01 00 400	400 ml	12
SWE 01 00 900*	900	5

ETA-CE Certification

Agrément technique européen ATE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE



European Technical Approval

ETA-12/0253 ETAG 001 - **PART 1 and 5**

OPTION 1: for cracked and non-cracked concrete

Threaded rods M12-M24

OPTION 7: for non-cracked concrete

Threaded rods M8-M30

DoP available on www.tecfi.it/DoP



European Technical Approval

ETA-12/0254 ETAG 001 - **PART 1 and 5 - TR023**

Rebars Ø8-Ø32

DoP available on www.tecfi.it/DoP

From May 2014 will become:



European Technical Assessment

ETA-12/0253 ETAG 001 - **PART 1 and 5 and ANNEX E**

used as European Assessment Document (EAD)

OPTION 1: for cracked and non-cracked concrete

- Threaded rods M12-M24

OPTION 7: for non-cracked concrete

- Threaded rods M8-M30

Performance Category C2: under seismic actions

- Threaded rods M16-M24

DoP will be available on www.tecfi.it/DoP



European Technical Assessment

ETA-12/0254 ETAG 001 - **PART 1 and 5 - TR023**

used as European Assessment Document (EAD)

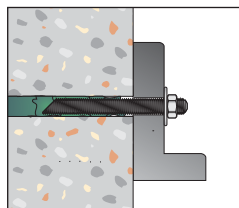
Post-installed rebar connections

- Rebars Ø8-Ø32

DoP will be available on www.tecfi.it/DoP

- * Available on request (quantity and lead time to be agreed)
- * Disponible sur demande (quantité et délai de livraison à concorder)
- * Verfügbar auf Anfrage (menge und Liefertermin zu vereinbaren)
- * Disponible bajo solicitud (cantidad y tiempos de entrega a concordar)
- * На заказ (количество и срок поставки по соглашению)

How to use Sinto 4000 ST-EE and Sinto 9000 ST-EE chemical anchor and product details



Tecfi SWE01 Dual component Epoxy resin is a bonded anchor (injection type), ETA approved for use in cracked (M12 to M24 threaded rods only) and non-cracked concrete (M8 to M30 threaded rods and diam. 8 to 32 rebars).

The chemical anchor consists in a dual component epoxy chemical mortar cartridge equipped with a special mixing nozzle, to be used with an injection gun, and the load-bearing capacity is due to the bonding of the rod (or rebar), the epoxy resin and the concrete.

The bonded anchors Sinto 4000 ST-EE, Sinto 9000 ST-EE, are intended to be used in reinforced or non reinforced concrete of strength class C20/25 to C50/60, according to EN 206-1, with threaded anchor rods in galvanized carbon steel, stainless steel A4-70, A4-80, HCR stainless steel of property class 70, or for the post installed rebars, according to TR 023.

The threaded rod is installed with a slow and slight twisting motion into a carefully cleaned drill hole, previously filled with the epoxy resin.

The anchor is to be installed in dry or wet concrete (use category 1) or in flooded holes with exception of seawater (use category 2, for threaded rod only, not for rebars).

DoP



Declaration of Performance

Advantages:

- Long setting times for handling
- Excellent for applications with rebars
- Easy and quick to use
- Thixotropic consistency

STORAGE AND CONSERVATION: The cartridge must be kept in a dry, fresh place (between + 5° and +30°), and possibly in the shade. During the winter months, it is advisable to keep the cartridges in a heated place.

SERVICE TEMPERATURE RANGE: -40°C to +40°C (max. short term temperature +40°C and max. long term temperature +24°C)
-40°C to +80°C (max. short term temperature +80°C and max. long term temperature +50°C)

DGE02

Dual component Vinylester resin (styren free), ETA-CE certified

 Résine vinylester à deux composants (sans styrene), avec certification ATE-CE

 Zweikomponenten Vinylesterharz (styrolfrei), mit ETA-CE Zulassung

 Resina viniléster bicomponente (sin estireno), Homologado ETA-CE

 двухкомпонентный инъекционный состав из винилэстеровой смолы (без содержания стирола), с сертификатом ETA-CE



Item code	Contents	Pcs. per carton
	ml	
 DGE 02 00 300	300	15
 DGE 02 00 345	345	15
 DGE 02 00 400	400	12

ETA-CE Certification

Agrément technique européen ATE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE



European Technical Approval
 ETA-10/0102 ETAG 001 - **PART 1 and 5**
 OPTION 7: for non-cracked concrete
 Threaded rods M8-M24
 DoP available on www.tecfi.it/DoP



European Technical Approval
 ETA-10/0103 ETAG 001 - **PART 1 and 5 - TR023**
 Post-installed rebar connections: Rebars Ø8-Ø32
 DoP available on www.tecfi.it/DoP

From May 2014 will become:

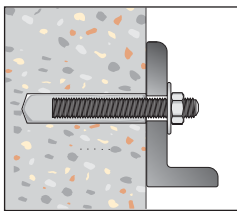


European Technical Assessment
 ETA-10/0102 ETAG 001 - **PART 1 and 5**
 used as European Assessment Document (EAD)
 OPTION 1: for cracked and non-cracked concrete
 - Threaded rods M10-M20
 OPTION 7: for non-cracked concrete
 - Threaded rods M8-M24
 DoP will be available on www.tecfi.it/DoP



European Technical Assessment
 ETA-10/0103 ETAG 001 - **PART 1 and 5 - TR023**
 used as European Assessment Document (EAD)
 Post-installed rebar connections
 - Rebars Ø8-Ø32
 DoP will be available on www.tecfi.it/DoP

How to use Sinto 3000 ST-VE, Sinto 3500 ST-VE and Sinto 4000 ST-VE chemical anchor and product details



Tecfi DGE02 Vinylester resin styrene free is a bonded anchor (injection type), ETA approved for use in non cracked concrete. The chemical anchor consists in a chemical mortar cartridge equipped with a special mixing nozzle, to be used with an injection gun, and the load-bearing capacity is due to the bonding of the rod (or rebar), the chemical mortar and the concrete.

The bonded anchors Sinto 3000 ST-VE, Sinto 3500 ST-VE, Sinto 4000 ST-VE are intended to be used in reinforced or non reinforced concrete of strength class C20/25 to C50/60, according to EN 206-1, with threaded anchor rods (sizes M8 to M24) in galvanized carbon steel, stainless steel A4-70, A4-80, HCR stainless steel of property class 70, or for the post installed rebars, according to TR 023. The threaded rod is installed with a slow and slight twisting motion into a carefully cleaned drill hole, previously filled with the chemical mortar.

The anchor is to be used in non-cracked concrete only and installed in dry or wet concrete (use category 1) or in flooded holes with exception of seawater (use category 2, for threaded rod only, not for rebars).

DoP



Declaration of Performance

Advantages:

- Heavy-duty loads
- Almost no shrinkage after curing time
- Reduced anchors spacing and edge distance
- Quick setting and curing times
- Easy and quick to use

STORAGE AND CONSERVATION: Keep in a fresh, dry place between +5°C and +30°C

SERVICE TEMPERATURE RANGE: -40°C to +80°C (max. short term temperature +80°C and max. long term temperature +50°C)
 -40°C to +120°C (max. short term temperature +120°C and max. long term temperature +72°C)

DG 12

★ will become DGE12 from May 2014 (because of the ETA certification)

- 🇬🇧 **Dual component Vinylester resin (styren free), for Winter season applications**
- 🇫🇷 Résine vinylester à deux composants (sans styrene), pour installations en hiver
- 🇩🇪 Zweikomponenten Vynilesterharz, (Styrolfrei), für Anwendungen in Winter
- 🇪🇸 Resina vinylester bicomponente (sin estireno), para instalación en bajas temperaturas
- 🇷🇺 Двухкомпонентный состав из винил-эфирной смолы (без содержания стирола) для зимнего применения



Sinto 4000 ST-W
DG 12 00 400

Item code	Contents	Pcs. per carton
	ml	
DG 12 00 400*	400	12

★ will become DGE12 from May 2014 (because of the ETA certification)

From May 2014:



European Technical Assessment (for item DGE12)
ETA-10/0102 ETAG 001 - PART 1 and 5
used as European Assessment Document (EAD)

OPTION 1: for cracked and non-cracked concrete
- Threaded rods M10-M20

OPTION 7: for non-cracked concrete
- Threaded rods M8-M24

DoP will be available on www.tecfi.it/DoP

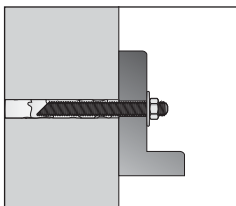


European Technical Assessment (for item DGE12)
ETA-10/0103 ETAG 001 - PART 1 and 5 - TR023
used as European Assessment Document (EAD)

Post-installed rebar connections
- Rebars Ø8-Ø32

DoP will be available on www.tecfi.it/DoP

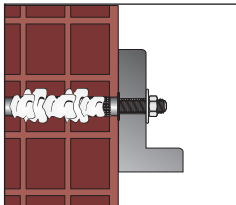
How to use Sinto 4000 ST-W chemical anchor and product details



Sinto 4000 ST-W is styrene free vinylester resin chemical anchors, very rapid and easy to use. **Special formulation for application in winter season up to -18°C of ambient temperature.** Fast curing time for low temperature. The resin, due to its high adherence property and facility of penetration into porosity and hollow areas, allows for fixing without expansion and, therefore, without stresses on the basic material. It allows for anchorage over any support material; for hollow materials, use the appropriate plastic sleeves. For Sinto ST-W premixing is not required, since the resins and the hardener are mixed only during extrusion inside the proper mixer. If the cartridge is not completely emptied, it can be re-utilised subsequently, by simply unscrewing the cap back on again. Finally, this type of resin can be also used for repairing or refilling.

Advantages:

- Heavy-duty loads
- Almost no shrinkage after curing time
- Reduced anchors spacing and edge distance
- Quick setting and curing times
- Easy and quick to use.



STORAGE AND CONSERVATION: Keep in a fresh, dry place between +5°C and +20°C
SERVICE TEMPERATURE RANGE: - 40°C /+ 40°C (max. long term temperature 30°C)

DGE01

Dual component Polyester resin (styren free), ETA-CE certified

 Résine polyester à deux composants (sans styrene), certification ATE-CE

 Zweikomponenten Polyesterharz (styrolfrei), mit ETA-CE Zulassung

 Resina poliéster bicomponente (sin estireno), Homologado ETA-CE

 Двухкомпонентный состав из полиэфировой смолы (без содержания стирола), с сертификатом ETA-CE



Item code	Contents ml	Pcs. per carton
★ DGE 01 00 300	300	15
★ DGE 01 00 380	380	12

 **ETA-CE Certification** / Agrément technique européen ATE-CE / ETA-CE Zulassung
 Homologación ETA-CE / Сертификация ETA-CE



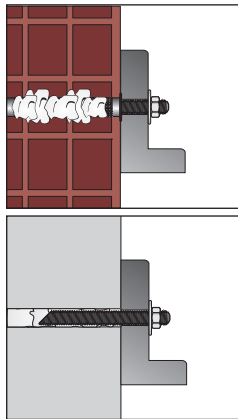
European Technical Approval
 ETA-11/0533 ETAG 029
 DoP available on www.tecfi.it/DoP

 DoP



Declaration of Performance

How to use Sinto 4000 ST-PE and Sinto 3000 ST-PE chemical anchor and product details



Tecfi DGE01 Polyester resin styrene free is a bonded anchor (injection type), ETA approved for use in solid masonry (use category b) and hollow or perforated masonry (use category c). The chemical anchor consists in a chemical mortar cartridge equipped with a special mixing nozzle, to be used with an injection gun, a perforated sleeve (for hollow or perforated masonry only), and an anchor threaded rod (sizes M8, M10 and M12), in galvanized carbon steel or stainless steel, and the load-bearing capacity is due to the interaction of the rod, the chemical mortar and the base material.

The bonded anchors Sinto 3000 ST-PE, Sinto 4000 ST-PE are intended to be used for anchorages subject to static or quasi-static loading in solid masonry (use category b) or hollow or perforated masonry (use category c). The minimum mortar strength class of the masonry has to be M 2,5, according to EN998-2:2010. The anchors may be installed in Category w/d: installation in wet substrate and use in structures subjected to dry, internal conditions.

The chemical anchor is to be used with perforated plastic sleeve (for hollow or perforated masonry only).

ME 01

Dual component Polyester resin, SOCOTEC certified

Résine polyester à deux composants, certifiée Socotec

Zweikomponenten Polyesterharz, Socotec Zulassung

Resina poliéster bicomponente, homologada SOCOTEC

Двухкомпонентный состав из полиэстеровой смолы, с сертификацией SOCOTEC



ME 01 00 300



ME 01 00 380

Item code	Contents	Pcs. per carton
	ml	
ME 01 00 300	300	12
ME 01 00 380	380	12

SOCOTEC Certified item
 Agrément SOCOTEC
 SOCOTEC Zulassung
 Homologación SOCOTEC
 Сертификация SOCOTEC

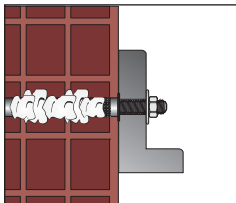


SOCOTEC
 SOCOTEC QUALITÉ
 n°CAZ0846/Z

Technical Data Sheet

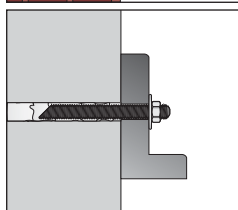


How to use ME 01 chemical anchor and product details



Tecfi ME01 Polyester resin is a bonded anchor (injection type), for use in solid masonry and hollow or perforated masonry (Socotec approved). The chemical anchor consists in a chemical mortar cartridge equipped with a special mixing nozzle, to be used with an injection gun, a perforated sleeve (for hollow or perforated masonry only), and an anchor threaded rod (sizes M8, M10 and M12), in galvanized carbon steel or stainless steel, and the load-bearing capacity is due to the interaction of the rod, the chemical mortar and the base material.

STORAGE AND CONSERVATION: Keep in a fresh, dry place between +5°C and +25°C



DH 04 ^{New}

Professional hand gun for SINTO-EE (SWE01 resin), shuttle cartridge type

 Pistolet professionnel manuel pour SINTO-EE (Résine SWE01), pour cartouche Shuttle

 Profi- Handpistole für SINTO-EE (Epoxidharz SWE01), für Shuttle Kartusche

 Pistola manual profesional para Sinto-EE (resina SWE 01), cartuchos Shuttle

 Профессиональный ручной пистолет для SINTO-EE (SWE01 resin), для картриджей типа Shuttle



Sinto 4000 ST-EE
SWE 01 00 400

Item code	Suitable for cartridges of: ml	Pcs. per box	Pcs. per carton
DH 04 00 400	400	1	6

DHP 01 ^{New}

Professional pneumatic hand gun for SINTO-EE (SWE01 resin), shuttle cartridge type

 Pistolet professionnel pneumatique pour SINTO-EE (Résine SWE01), pour cartouche Shuttle

 Profi- Druckluftpistole für SINTO-EE (Epoxidharz SWE01), für Shuttle Kartusche

 Pistola neumática profesional para Sinto-EE (resina SWE 01), cartuchos Shuttle

 Профессиональный пневматический пистолет для SINTO-EE (SWE01 resin), для картриджей типа Shuttle



DHP 01 00 400



DHP 01 00 900



Sinto 4000 ST-EE
SWE 01 00 400



Sinto 9000 ST-EE
SWE 01 00 900

Item code	Suitable for cartridges of: ml	Pcs. per carton
DHP 01 00 400*	400	1
DHP 01 00 900*	900	1

*  Available on request (quantity and lead time to be agreed)

 Disponible sur demande (quantité et délai de livraison à concorder)

 Verfügbar auf Anfrage (menge und Liefertermin zu vereinbaren)

 Disponible bajo solicitud (cantidad y tiempos de entrega a concordar)

 На заказ (количество и срок поставки по соглашению)

DH 01

Professional hand gun for SINTO dual component resin range

- Pistolet professionnel manuel pour résine à deux composants
- Professionelle Handpistole für Zweikomponente-Harz
- Pistola manual profesional para resinas bicomponentes Sinto
- Профессиональный ручной пистолет для инъекционных составов SINTO



DH 01 01 300



DH 01 00 345



DH 01 00 400

Item code	Suitable for cartridges of: ml	Pcs. per box	Pcs. per carton
<i>New Item</i> DH 01 01 300	150 - 165 - 280 - 290 - 300 - 310	1	12
DH 01 00 345	150 - 165 - 300 - 345	1	12
DH 01 00 400	380 - 400	1	12

DH 03

Pneumatic pump for 380-400 ml. resin cartridge

- Pompe pneumatique pour résine 380-400ml.
- Druckluftpumpe für Harz 380-400ml.
- Bomba neumática para resina 300-400 ml.
- Пневматический пистолет для картриджей на 380-400 мл.



Item code	Suitable for cartridges of: ml	Pcs. per carton
DH 03 00 400*	380 - 400	1

- * Available on request (quantity and lead time to be agreed)
- Disponible sur demande (quantité et délai de livraison à concorder)
 - Verfügbar auf Anfrage (menge und Liefertermin zu vereinbaren)
 - Disponible bajo solicitud (cantidad y tiempos de entrega a concordar)
 - На заказ (количество и срок поставки по соглашению)

DW 01

Blower pump for hole cleaning

- Pompe soufflante pour le nettoyage de trous
- Ausblaspumpe zum Ausblasen von Bohrlöchern
- Bomba soplante para limpieza de taladros
- Насос для очистки



Item code	Pcs. per box	Pcs. per carton
DW 01 00 001	2	12

FV 01

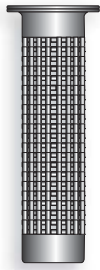
Plastic sleeve for chemical anchor

 Manchon foré en plastique, pour ancrage chimique

 Siebhülse aus Plastik für chemische Verankerung

 Tamiz plástico para anclajes químicos

 Пластиковая втулка для химического анкера



Item code	Size	Hole	Hole depth	Pcs. per box	Pcs. per carton
	Ø x L (mm)	Ø (mm)	L (mm)		
FV 01 12 045	12 x 45	12	50	25	250
FV 01 12 060	12 x 60	12	65	25	250
FV 01 12 080	12 x 80	12	90	25	250
FV 01 15 085	15 x 85	15	95	25	250
FV 01 15 130	15 x 130	15	140	25	250
FV 01 20 085	20 x 85	20	95	25	250

Box / Boîte / Verpackung / Caja / Упаковка



FZ 01

Zinc plated steel bush with internal thread, for chemical anchor

 Manchon en acier zingué avec filetage intérieur, pour ancrage chimique

 Verzinkte Innengewindehülse für chemische Verankerung

 Tamiz de acero cincado con rosca interior, para anclajes químicos

 Оцинкованная втулка с внутренней резьбой для химического анкера



Item code	Size	Internal thread	Pcs. per box	Pcs. per carton
	Ø x L (mm)	M		
FZ 01 06 048	8 x 48	M6	25	250
FZ 01 08 083	12 x 80	M8	25	250
FZ 01 10 083	14 x 80	M10	25	250
FZ 01 12 083	16 x 80	M12	25	250

Box / Boîte / Verpackung / Caja / Упаковка



DI 01

Mixer nozzle for two components resin in cartridge, natural white colour

 Mélangeur universel pour cartouche de résine bi-composant

 Universal- Mischer für zweikomponenten Harzkartusche

 Mezclador universal para resina bicomponente

 Универсальный сместитель для двухкомпонентный инъекционный состав



Item code	Length (mm)	Suitable for cartridges of: ml	Pcs. per box	Pcs. per carton
DI 01 00 400	215	300 - 345 - 380 - 400 - 900	30	300

Box / Boîte / Verpackung / Caja / Упаковка

