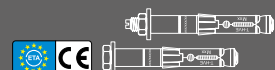


HXE-CONCRETO® - Concrete screws,
ETA Approved

Concreto® - Vis à béton avec ETE-CE
 Concreto® - Betonschrauben mit ETA-CE Zulassung
 Concreto® - Tornillos para hormigón, homologados ETA-CE
 Concreto® - Шурупы по бетону, с допуском ETA-CE

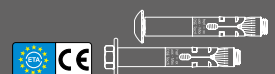
102



HVE-ROCK® - Heavy duty steel anchors,
ETA Approved

HVE ROCK® - Cheville pour charges lourdes avec ETE-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

112



DSE - Sleeve anchors, ETA Approved

DSE - Cheville à douille avec ETE-CE
 DSE - Hülseanker mit ETA-CE Zulassung
 DSE - Anclajes plancha envuelta, homologados ETA-CE
 DSE - Стальные анкеры, с допуском ETA-CE

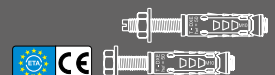
116



DS - LZ - Sleeve anchors

DS - Cheville à douille avec cône fixe
 DS - Hülseanker mit festem Konus
 DS - Anclajes plancha envuelta
 DS - Стальные втулочные анкеры

120



DXE - Sleeve anchors with nut, ETA
Approved

DXE - Cheville à douille avec cône fixe avec ETE-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

124



DX - Sleeve anchors with nut

DX - Cheville à douille avec cône fixe
 DX - Hülseanker mit festem Konus
 DX - Anclajes plancha envuelta con cono enganchado
 DX - Стальные втулочные анкеры

126



Steel anchors with wings

Cheville à douille avec ailettes
 Hülseanker mit Flügel
 Anclajes con alas
 Стальные втулочные анкеры с блокировочными усом

132



AJE- ZJE- Wedge anchors, ETA Approved

Barres d'ancrage
 Anker
 Anclajes machos
 Анкерные баллы

134



Sleeve anchors with flanged nut

Cheville à douille avec écrou à embase moleté
 Hülseanker mit gerändelter Schraubenmutter mit Flansch
 Anclaje de camisa con tuerca rebordeada
 Стальной анкер с фланцевой гайкой

145



Hit anchors with flanged nut

Barres d'ancrage à marteler
 Anker zu hämmern
 Anclaje clavable con tuerca rebordeada
 Ударный анкер с фланцевой гайкой

145



Drop-in anchors, ETA Approved

Cheville avec cône d'expansion interieur
 Dübel mit Innenkonus
 Anclaje hembra con cono interior
 Забивные анкеры

144



Eyebolts for scaffolding fixing

Piton pour échafaudages
 Augbolzen für Gerüste
 Argollas para fijación de andamios
 Рым-болты для крепления строительных лесов

146



Hexagonal steel brackets

Support hexagonal pour consoles
 Sechskanthalter für Konsole
 Soporte hexagonal
 Шестигранные стальные кронштейны

152



Knurled brass anchor

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

151



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 andamio y argolla
 Стальные трубы для соединения строительных лесов

151



Chemical fixings, ETA Approved

Fixations chimiques
 Chemische Befestigungen
 Fijaciones químicas
 Химические анкеры

154



Chemical anchors stud with nut and
washer, ETA Approved

Tige filetée pour fixations chimiques, avec écrou et rondelle
 Gewindestange für chemische Befestigungen, mit Schraubenmutter und Scheibe
 Espárrago para anclaje químico, con tuerca y argolla
 Резьбовый стержень с гайкой и шайбой для химической анкеровки

162



Hook and Eye machine screws

Vis oeillet et crochet rond
 Augenschraube und Rundhaken
 Gancho y argolla
 Кольцо и крюк с резьбой

164



Chemical fixing accessories , ETA
Approved (hand guns and sleeves)

Accessoires pour Fixations chimiques
 Zubehör für chemische Befestigungen
 Accesorios para fijaciones químicas
 Аксессуары для химической анкеровки

168

Heavy duty fixing systems

Systèmes pour fixation lourde

Schwere Befestigungssysteme

Sistemas para fijaciones pesadas

Крепежные системы для тяжелых конструкций

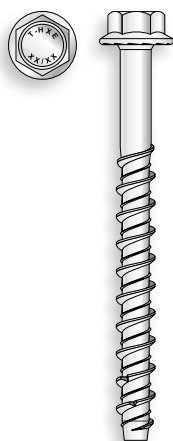
3

HXE 01

CONCRETO

Patented hexagonal flanged washer head concrete screw with serration, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Vis à béton brevetée tête hexagonale à embase avec rondelle intégrée moletée sous la tête, en acier zingué, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Verzinkt PATENTIERTE Sechskant-Betonschraube mit gerändelter Unterlegscheibe mit Flansch, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Tornillo PATENTADO para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, de acero cincado, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Запатентованный стальной оцинкованный шуруп по бетону с шестигранной головкой со скошенным буртом, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



Item code	Screw size Ø x Ls / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - AF 10 - Ø hole: 6 mm			
 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 - Ø hole: 8 mm			
 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 - Ø hole: 10 mm			
 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 - Ø hole: 14 mm			
 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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE

 **EOTA TR049 - Item assessed Under Seismic Action** / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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



European Technical Assessment

EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C1: Ø 10

performance category C2-C1: Ø 12 e Ø 16

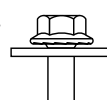
DoP available on www.tecfi.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 (Ø10 C1 only) for use under seismic action, according to EOTA TR049.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Also available with special large washers, for low stiffness fixtures (e.g. wood or aluminium):

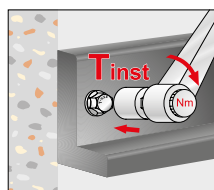
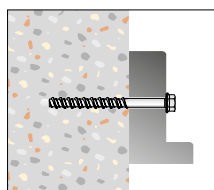
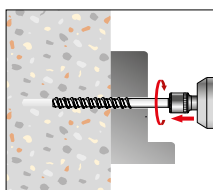
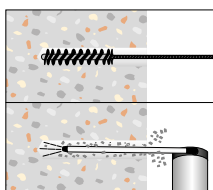
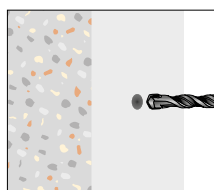


- ISO 7093-1 - Steel plain washer large series HV200 (item code B008, page 414)
- Steel plain washer SPECIAL large series HV 350 (item code BW01, page 414)
- ISO 7094 - DIN 440R Steel plain washer extra large series (item code GH01, page 324)
- DIN 1052 - Steel washer for timber structures (item code JZ01, page 324)

Box / Boîte / Verpackung
Caja / Упаковка



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



DoP



Declaration of Performance

Related products

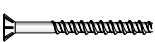
102

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

CONCRETO® mushroom head screw



HXT
p. 110

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

HX 21

CONCRETO

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

Vis à béton brevetée tête hexagonale à embase avec rondelle intégrée moletée sous la tête, en acier zingué

Verzinkt 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



Item code	Screw size Ø x Ls / tfix (mm)	Pcs. per box	Pcs. per carton
Ø 6 - AF 8 - Ø hole: 5 mm			
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 - Ø hole: 6 mm			
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 - Ø hole: 8 mm			
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 - Ø hole: 10 mm			
HX 21 12 070	12 x 70 / 10	25	250
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
New Item HX 21 12 150	12 x 150 / 70	25	250
* HX 01 12 190	12 x 190 / 110	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 - Ø hole: 14 mm			
HX 21 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

⚠ 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. Danach mit verzinkter Beschichtung (HX21) verfügbar

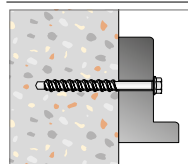
Con acabado especial (código HX01) hasta agotar existencias. Luego se entregará el producto en cincado (código HX21)

Доставка со специальным покрытием (код HX01) до окончания стока. Далее будут на распоряжении с оцинкованным покрытием (код HX21)

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

Usage / Utilisation / Benutzung / Uso / Применение

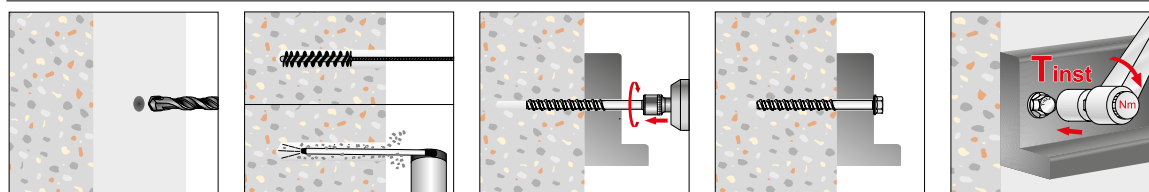
Technical Data Sheet



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



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



Box / Boîte / Verpackung
Caja / Упаковка



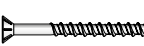
Related products

HXE-CONCRETO® dual thread screw



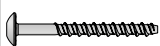
HXE02 - HXE12
p. 106

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

CONCRETO® mushroom head screw



HXT
p. 110

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
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HX 71 ^{New}

CONCRETO

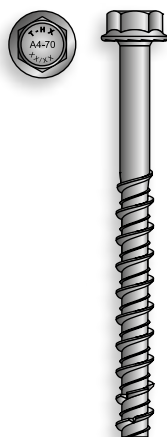
Patented hexagonal flanged washer head concrete screw with serration, A4 (AISI 316) stainless steel

Vis à béton tête hexagonale à embase avec rondelle intégrée moletée sous la tête en acier INOX A4 (AISI 316)

Patentierter Sechskant-Betonschraube mit gerändelter Unterlegscheibe und Flansch aus Edelstahl A4 (AISI 316)

Tornillo patentado para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, de Acero Inoxidable A4 (AISI 316)

Запатентованный шуруп по бетону с шестигранной головкой со скошенным буртом из нержавеющей стали A4 (AISI 316)



Item code	Screw size	Tfix (Fixture thickness)*		Pcs. per box	Pcs. per carton
	Ønom x Ls (mm)	tfix,std	tfix,red		
Ø 6 - AF 8 - Ø hole: 5 mm					
HX 71 06 030	6 x 30	4	-	200	2.000
HX 71 06 040	6 x 40	5	14	200	2.000
HX 71 06 060	6 x 60	5	25	100	1.000
HX 71 06 080	6 x 80	25	45	100	1.000
Ø 8 - AF 10 - Ø hole: 6 mm					
HX 71 08 040	8 x 40	5	-	100	1.000
HX 71 08 050	8 x 50	15	-	100	1.000
HX 71 08 065	8 x 65	5	30	100	1.000
HX 71 08 080	8 x 80	20	45	50	500
HX 71 08 100	8 x 100	40	65	50	500
HX 71 08 140	8 x 140	80	105	50	500
Ø 10 - AF 13 - Ø hole: 8 mm					
HX 71 10 060	10 x 60	15	-	50	500
HX 71 10 080	10 x 80	10	35	50	500
HX 71 10 100	10 x 100	30	55	25	250
HX 71 10 140	10 x 140	70	95	25	250

* tfix,std - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

* tfix,red - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

⚠ Available from January 2019

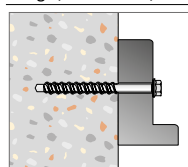
Disponible à compter de Février 2019 / Verfügbar ab Januar 2019 / Disponible desde Enero 2019 / В наличии с января 2019



A4
Stainless steel



Usage / Utilisation / Benutzung / Uso / Применение



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

Technical Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



RUST PROBLEMS?

All the advantages of Tecfi CONCRETO® range now also available in A4-70 (AISI 316) stainless steel with **HIGH CORROSION RESISTANCE**

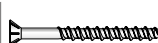
Related products

HXE-CONCRETO® dual thread screw



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p. 106

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

CONCRETO® mushroom head screw



HXT
p. 110

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

HX 41 ^{New}

CONCRETO

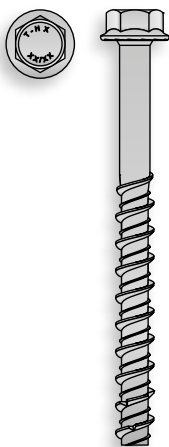
Patented hexagonal flanged washer head concrete screw with serration, special coating "Steel Saver® 1000h - ZL"

Vis à béton tête hexagonale à embase avec rondelle intégrée moletée sous la tête finition spéciale "Steel Saver® 1000h - ZL"

Patentierte Sechskant- Betonschraube mit gerändelter Unterlegscheibe und Flansch, spezielle Hochleistungsbehandlung "Steel Saver® 1000h - ZL"

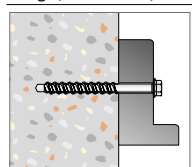
Tornillo patentado para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, acabado especial "Steel Saver® 1000h - ZL"

Запатентованный стальной оцинкованный шуруп по бетону с шестигранной головкой со скошенным буртом со специальным покрытием "Steel Saver®" 1000 часов в CT



Item code	Screw size $\varnothing \times L_s / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 6 - AF 8 - Ø hole: 5 mm			
HX 41 06 045	6 x 45 / 5	200	2.000
HX 41 06 060	6 x 60 / 10	100	1.000
HX 41 06 080	6 x 80 / 30	100	1.000
HX 41 06 100	6 x 100 / 50	100	1.000
Ø 8 - AF 10 - Ø hole: 6 mm			
HX 41 08 040	8 x 40 / 5	100	1.000
HX 41 08 045	8 x 45 / 5	100	1.000
HX 41 08 050	8 x 50 / 10	100	1.000
HX 41 08 060	8 x 60 / 10	100	1.000
HX 41 08 080	8 x 80 / 20	50	500
HX 41 08 100	8 x 100 / 40	50	500
Ø 10 - AF 13 - Ø hole: 8 mm			
HX 41 10 060	10 x 60 / 10	50	500
HX 41 10 080	10 x 80 / 10	50	500
HX 41 10 100	10 x 100 / 30	25	250
Ø 12 - AF 15 - Ø hole: 10 mm			
HX 41 12 070	12 x 70 / 10	25	250
HX 41 12 090	12 x 90 / 10	25	250
HX 41 12 110	12 x 110 / 30	25	250
HX 41 12 150	12 x 150 / 70	25	250
Ø 16 - AF 21 - Ø hole: 14 mm			
HX 41 16 090	16 x 90 / 10	15	150

Usage / Utilisation / Benutzung / Uso / Применение



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

"Steel Saver® 1000h" special coating

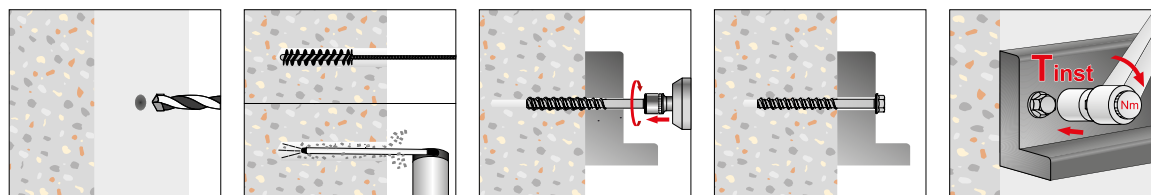


Tecfi "Steel Saver® 1000h - ZL" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 20 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

Technical Data Sheet



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



Box / Boîte / Verpackung Caja / Упаковка

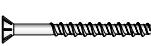


HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

CONCRETO® mushroom head screw



HXT
p. 110

SDS-PLUS masonry drill



EO
p. 427

Related products

Pump for hole cleaning



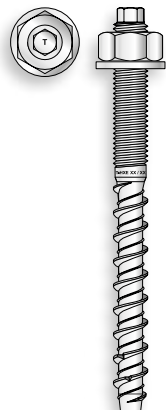
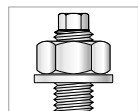
DW
p. 168

HXE 02 - HXE 12



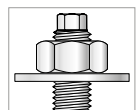
Patented dual thread concrete screw with hex shank, with nut and washer, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, avec écrou et rondelle, en acier zingué, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Doppelgewinde-Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, mit Mutter und Scheibe, verzinkt, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Tornillo para hormigón con doble rosca (métrica + especial PATENTADA), con vástago hexagonal, tuerca y arandela, de acero cincado, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Двухсторонний стальной оцинкованный шуруп по бетону с шестигранным наконечником, с гайкой и шайбой, сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank AF: 5 - Ø hole: 6 mm			
  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 AF: 7 - Ø hole: 8 mm			
   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 AF: 8 - Ø hole: 10 mm			
   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

HXE 12 with large washer / avec rondelle large / mit breiter Scheibe / arandela ancha / широкой шайбой



Item code	Screw size $\varnothing \times L_s / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank AF: 5 - Ø hole: 6 mm			
  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 AF: 7 - Ø hole: 8 mm			
   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 AF: 8 - Ø hole: 10 mm			
   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	25	75

European Technical Assessment

EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C1: Ø 10
performance category C2-C1: Ø 12 e Ø 16

DoP available on www.tecfix.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 (Ø10 C1 only) for use under seismic action, according to EOTA TR049.

Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

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

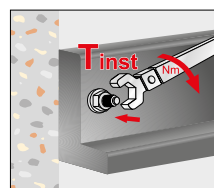
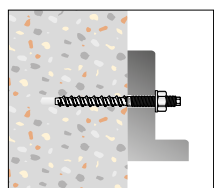
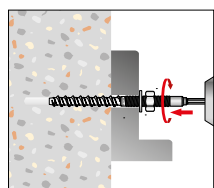
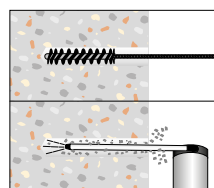
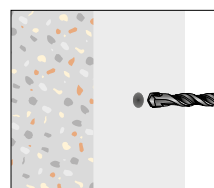
 Una punta de atornillar en cada caja

 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

Related products

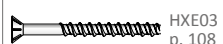
106

HXE-CONCRETO® HWH concrete screw



HXE01
p. 102

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

Wedge anchors



AJE - ZJE
p. 134

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

HXE 85



Patented dual thread concrete screw with hex shank, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, en acier zingué, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Doppelgewinde-Betonschraube (metrisches + spezielles patentiertes Gewinde) mit Sechskantschaft, verzinkt, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Tornillo para hormigón con doble rosca (métrica + especial PATENTADA), con vástago hexagonal, de acero cincado, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Двухсторонний стальной оцинкованный шуруп по бетону с шестигранным наконечником, сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment
EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C1: Ø 10
performance category C2-C1: Ø 12 e Ø 16

DoP available on www.tecfix.it/DoP



Item code	Screw size Ø x Ls / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank AF: 5 - Ø hole: 6 mm			
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 AF: 7 - Ø hole: 8 mm			
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 AF: 8 - Ø hole: 10 mm			
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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификат ETA-CE

EOTA TR049 - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

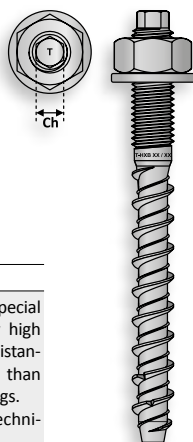
HXB 02

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

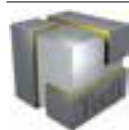


Patented dual thread concrete screw with hex shank with nut and washer, special coating "Steel Saver® 500h"

- Vis à béton double filet (métrique + spécial breveté) avec queue hexagonale, écrou et rondelle, finition spéciale "Steel Saver® 500 h"
- Doppelgewinde Betonschraube mit Sechskantschaft mit Mutter und Scheibe, spezielle Hochleistungsbehandlung "Steel Saver® 500h"
- Tornillo patentado para hormigón con doble rosca, con vástago hexagonal, tuerca y arandela, especial acabado "Steel Saver® 500 h"
- Запатентованный двухсторонний шуруп по бетону с шестигранным наконечником, с гайкой и шайбой, со специальным покрытием "Steel Saver®" 500 часов в СТ



"Steel Saver® 500h" special coating



Tecfi "Steel Saver® 500h" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 10 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

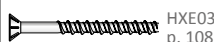
Item code	Screw size Ø x Ls / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - Hex shank: 5 - Ø hole: 6 mm			
HXB 02 08 090	8 x 90 / 10	100	500
HXB 02 08 100	8 x 100 / 20	100	500
HXB 02 08 120	8 x 120 / 40	100	500
HXB 02 08 140	8 x 140 / 60	50	500
HXB 02 08 160	8 x 160 / 80	50	250
Ø 10 - Hex shank: 7 - Ø hole: 8 mm			
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 - Ø hole: 10 mm			
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

Related products

HXE-CONCRETO® HWH concrete screw



HXE-CONCRETO® flat CSK head screw



Wedge anchors



SDS-PLUS masonry drill



Pump for hole cleaning

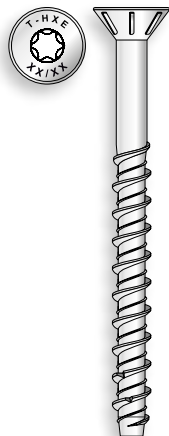


HXE O3

CONCRETO

Patented flat CSK head concrete screw with ribs, 6-Lobe recess, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Vis à béton tête fraisée plate avec nervures sous la tête, empreinte à six lobes X, en acier zingué, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Senkkopf-Betonschraube mit Fräsrippen, Innensechsrund, verzinkt, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Tornillo para hormigón con cabeza avellanada 6 lóbulos internos con estrías avellanadoras, de acero cincado, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Шуруп по бетону с плоской потайной головкой с насечками из оцинкованной стали, сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment
EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C1: Ø 10
performance category C2-C1: Ø 12 e Ø 16

DoP available on www.tecfix.it/DoP

Item code	Screw size Ø x Ls / tfix (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - Ø hole: 6 mm			
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 - Ø hole: 8 mm			
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 - Ø hole: 10 mm			
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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE

EOTA TR049 - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрено для сейсмических воздействий

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

Usage / Utilisation / Benutzung / Uso / Применение



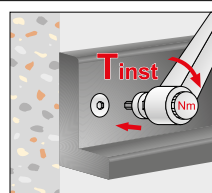
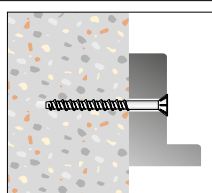
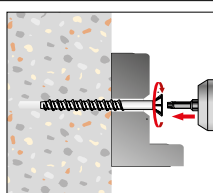
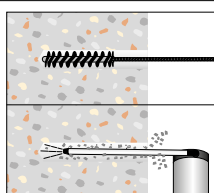
For through (in-place) heavy duty fixings in cracked and non-cracked concrete. performance Category C2 and C1 (Ø10 C1 only) for use under seismic action, according to EOTA TR049.

Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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



DoP



Declaration of Performance

Related products

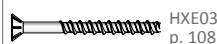
108

HXE-CONCRETO® HWH concrete screw



HXE01
p. 102

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

Wedge anchors



AJE - ZJE
p. 134

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

HXS

CONCRETO

Patented flat CSK head concrete screw with ribs

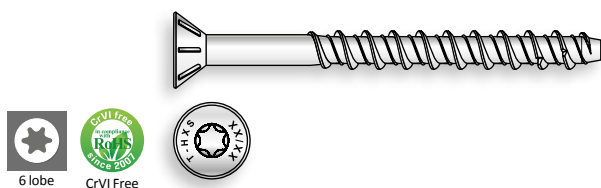
Vis à béton brevetée tête fraisée plate avec nervures sous la tête

Patentierte Senkkopf-Betonschraube mit Fräsrillen

Tornillo PATENTADO para hormigón, cabeza avellanada 6 lóbulos internos con estrías avellanadoras

Зпатентованный шуруп по бетону с плоской потайной головкой с насечками

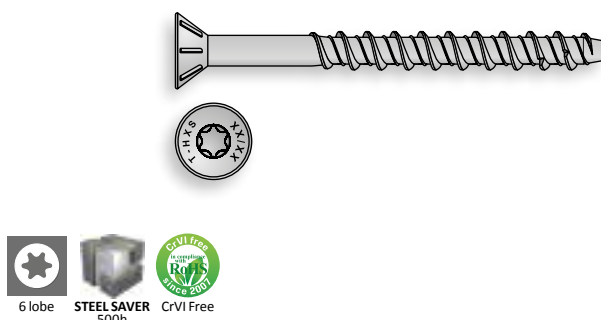
HXS 21 Zinc plated / zingué / verzinkt / acero cincado / из оцинкованной стали



Item code	Screw size $\varnothing \times L_s / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing$ 6 - T-30 - $\varnothing$ hole: 5 mm			
HXS 21 06 060	6,6 x 60 / 10	100	1.000
HXS 21 06 080	6,6 x 80 / 30	100	1.000
HXS 21 06 100	6,6 x 100 / 50	100	1.000
HXS 21 06 120	6,6 x 120 / 70	100	1.000

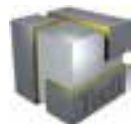
HXS 01 special coating "Steel Saver® 500h"

finition spéciale "Steel Saver® 500h" / spezielle Hochleistungsbehandlung "Steel Saver® 500h" / especial acabado "Steel Saver® 500h" / со специальным покрытием "Steel Saver®" 500 часов в CT



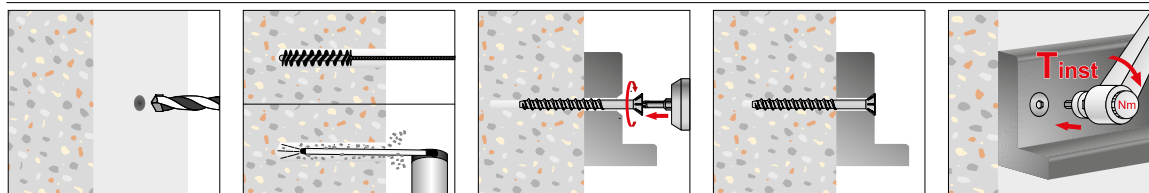
Item code	Screw size $\varnothing \times L_s / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing$ 6 - T-30 - $\varnothing$ hole: 5 mm			
HXS 01 06 060	6,6 x 60 / 10	100	1.000
HXS 01 06 100	6,6 x 100 / 50	100	1.000
* HXS 01 06 120	6,6 x 120 / 70	100	1.000
$\varnothing$ 8 - T-30 - $\varnothing$ hole: 6 mm			
HXS 01 08 045	7,8 x 45 / 5	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
$\varnothing$ 10 - T-40 - $\varnothing$ hole: 8 mm			
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
$\varnothing$ 12 - T-50 - $\varnothing$ hole: 10 mm			
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

"Steel Saver® 500h" special coating



Tecfi "Steel Saver® 500h" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 10 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

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



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

Technical Data Sheet



Related products

HXE-CONCRETO® HWH concrete screw



HXE01
p. 102

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

High performance steel anchor



HVE03
p. 114

Sleeve anchor



DSE07
p. 118

Pump for hole cleaning



DW
p. 168

HXT 01

CONCRETO

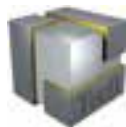
Patented mushroom head concrete screw with serration, special coating "Steel Saver® 500h"

- Vis à béton tête ronde empreinte 6 lobes moletée sous la tête, finition spéciale "Steel saver® 500 h"
- Patentierter Rundkopf- Betonschraube Innensechsrund, mit gerändeltem Unterkopf, spezielle Hochleistungsbehandlung "Steel Saver® 500h"
- Tornillo PATENTADO para hormigón, cabeza abombada 6 lóbulos internos con estrías bloqueadoras, especial acabado "Steel saver® 500 h"
- Запатентованный с низкой полукруглой головкой с шестигранным шлицем шуруп по бетону, со специальным покрытием "Steel Saver" 500 часов в СТ



Item code	Screw size $\varnothing \times L_s / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - Ø hole: 6 mm			
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 - Ø hole: 8 mm			
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

"Steel Saver® 500h" special coating

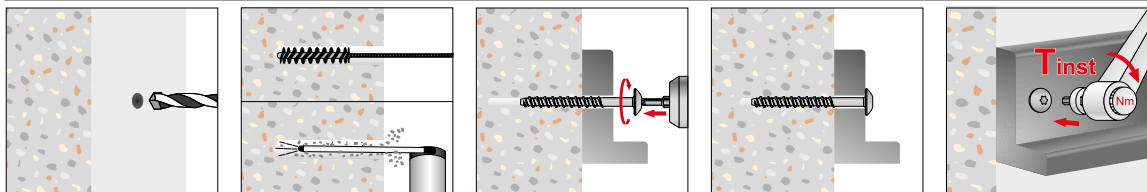


Tecfi "Steel Saver® 500h" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 10 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

Box / Boîte / Verpackung / Caja / Упаковка



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



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

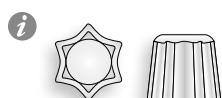
Technical Data Sheet



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

Related products

110

HXE-CONCRETO® HWH concrete screw



HXE-CONCRETO® dual thread screw



HXE-CONCRETO® flat CSK head screw



High performance steel anchor



Pump for hole cleaning



CONCRETO®

PATENTED CONCRETE SCREW ANCHORS - ETA-CE CERTIFIED



- ▶ European Technical Assessment – Option 1 for cracked and non-cracked concrete
- ▶ Performance Category C2 – C1 for use under Seismic Action
- ▶ Fire resistance R120
- ▶ Extra-long sizes for very large thicknesses of fixture (Tfix)
- ▶ Patented design

option 1
SEISMIC FIXING



European Technical Assessment
Option 1 - For cracked and non-cracked concrete
Seismic assessment - performance category C2 - C1
performance category C2 - C1: Ø 12 x Ø 16
EAD 330232-00-0001 and EOTA TR049



Tecfi - Tech Anchor
Design Software
for computer aided
design of Anchorage



CEI free
in compliance with European Directive
RoHS 2 2011/65/EU

Heavy duty **ETA-CE Certified** anchors **Option 1**, for cracked and non-cracked concrete, and **C1-C2 Performance Category** for fixing in low to high **SEISMIC RISK** areas



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*

✓ **VERY FAST** installation

✓ Fixing can be completely removed

✓ Direct and quick fastening on concrete without plug



CONCRETO®
Screw



TRADITIONAL
STEEL
ANCHOR

✓ **UNDERCUT** anchor

✓ **NO torque control** required

✓ **Can tap the rebars** in the concrete

Example of an installation close to a rebar



CONCRETO® screw installed
(The concrete has been cutted after the installation)



Detail of the concrete and the rebar tapped by
CONCRETO® screw



HXE 01
Ø 8 x Ø 16



HXE 03
Ø 8 x Ø 12



HXE 02
Ø 8 x Ø 12



HXE 12
Ø 8 x Ø 12

* 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 AUE, 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.



we try
harder
to make your work
easier

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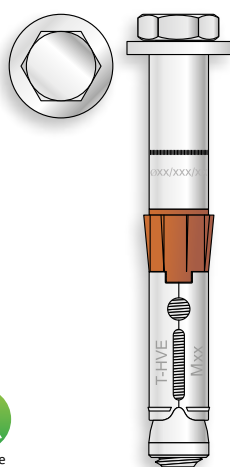


HVE 01

ROCK

High performance steel anchor with 8.8 grade Hex Head screw and special hardness washer with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

-  Cheville haute performances en acier zingué avec vis tête hexagonale classe 8.8 et rondelle spéciale, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
-  Verzinkter Hochleistungs - Schwerlastanker mit Sechskantschraube Klasse 8.8 und spezieller Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
-  Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza hexagonal clase 8.8 y arandela de dureza especial, con geometrías PATENTADAS, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
-  Высокоэффективный стальной оцинкованный анкер с болтом с шестигранной головкой класса 8.8 и шайбой особой прочности, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment

EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C2 - C1

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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE

 **EOTA TR049 - Item assessed Under Seismic Action** / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

Usage / Utilisation / Benutzung / Uso / Применение



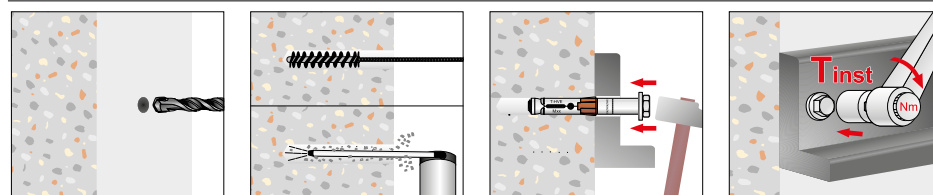
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.
Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

DoP



Declaration of Performance

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



Box / Boîte / Verpackung / Caja / Упаковка



Related products

112

HXE-CONCRETO® HWH concrete screw



HXE01
p. 102

SDS-PLUS masonry drill



EO
p. 427

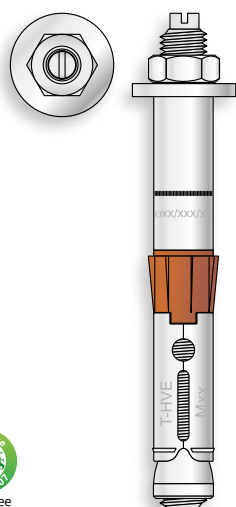
Pump for hole cleaning



DW
p. 168

High performance steel anchor with 8.8 grade Stud, Hex nut and special washer with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- ☛ Cheville haute performances en acier zingué avec tige classe 8.8, écrou et rondelle spéciale, géométries brevetées, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- ☛ Verzinkter Hochleistungs - Schwerlastanker mit Stange Klasse 8.8, Sechskantmutter und spezieller Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- ☛ Anclaje de acero cincado para Altas Prestaciones, montado con espárrago clase 8.8, tuerca hexagonal y arandela de dureza especial, con geometrías PATENTADAS, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- ☛ Высокоэффективный стальной оцинкованный анкер с резьбовым стержнем класса 8.8 и специальной шайбой, с ЗАПАТЕНТОВАННОЙ геометрией, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment

EAD 330232-00-0601 e EOTA TR049

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C2 - C1

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)	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
HVE 01 24 220	24 x 220 / 100	M16	5	25

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

☛ **EOTA TR049 - Item assessed Under Seismic Action** / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

Usage / Utilisation / Benutzung / Uso / Применение



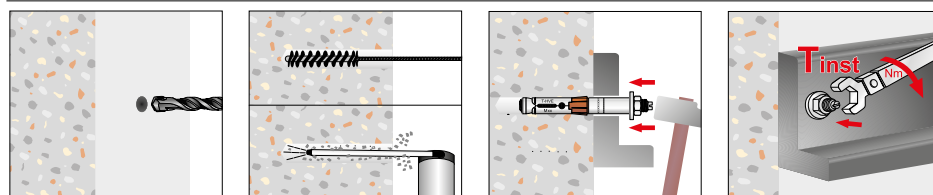
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.
Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

DoP



Declaration of Performance

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



Box / Boîte / Verpackung / Caja / Упаковка



Related products

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

Wedge anchors



AJE - ZJE
p. 134

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

HVE 03 - HVE 04

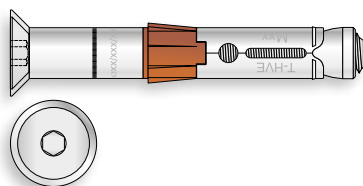


High performance steel anchor with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Cheville haute performances en acier zingué, avec géométries brevetées, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique**
- Verzinkter Hochleistungs Edelstahl - Schwerlastanker, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1**
- Anclaje de acero cincado para Altas Prestaciones, con geometrías PATENTADAS, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas**
- Высокоэффективный стальной оцинкованный анкер с внутренним шестигранником, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий**

HVE 03 with 8.8 grade Flat CSK head Hex recess screw

avec vis tête fraisée plate classe 8.8 / mit Senkkopfschraube Klasse 8.8 / montado con tornillo cabeza avellanada con hueco hexagonal clase 8.8 / с винтом с потайной головкой класса прочности 8.8



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

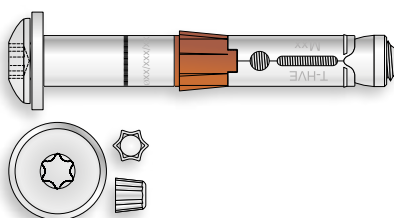
ETA-CE Option 1 Certified item / Agrément technique européen ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE

ETAG 001 - ANNEX E (C2 - C1) - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

HVE 04 with Mushroom Head 6 lobe recess screw 8.8 grade

avec vis tête ronde et rondelle spéciale / mit spezieller Rundkopfschraube und spezieller Scheibe / montado con tornillo cabeza abombada 6 lóbulos internos clase 8.8 / с низкой полукруглой головкой с шестигранным шлицем класса 8.8



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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE

EOTA TR049 - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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.

European Technical Assessment
EAD 330232-00-0601 e EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C2 - C1
DoP available on www.tecni.it/DoP

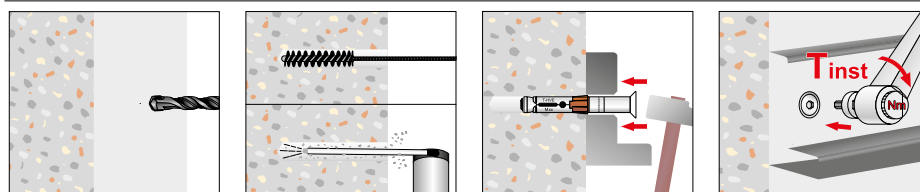
Usage / Utilisation / Benutzung / Uso / Применение



For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.

Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage

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



DoP



Declaration of Performance

Box / Boîte / Verpackung
Caja / Упаковка



Related products

114

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

Sleeve anchor



DSE07
p. 118

SDS-PLUS masonry drill



EO
p. 427

In-hex power bit



FN
p. 430

Pump for hole cleaning



DW
p. 168

HIGH PERFORMANCE ANCHORS - ETA-CE CERTIFIED



- ▶ European Technical Assessment – Option 1 for cracked and non-cracked concrete
- ▶ Performance Category C2 – C1 for use under Seismic Action
- ▶ Fire resistance R120
- ▶ Antirotation nylon cylinder
- ▶ Patented designs

option 1
SEISMIC FIXING



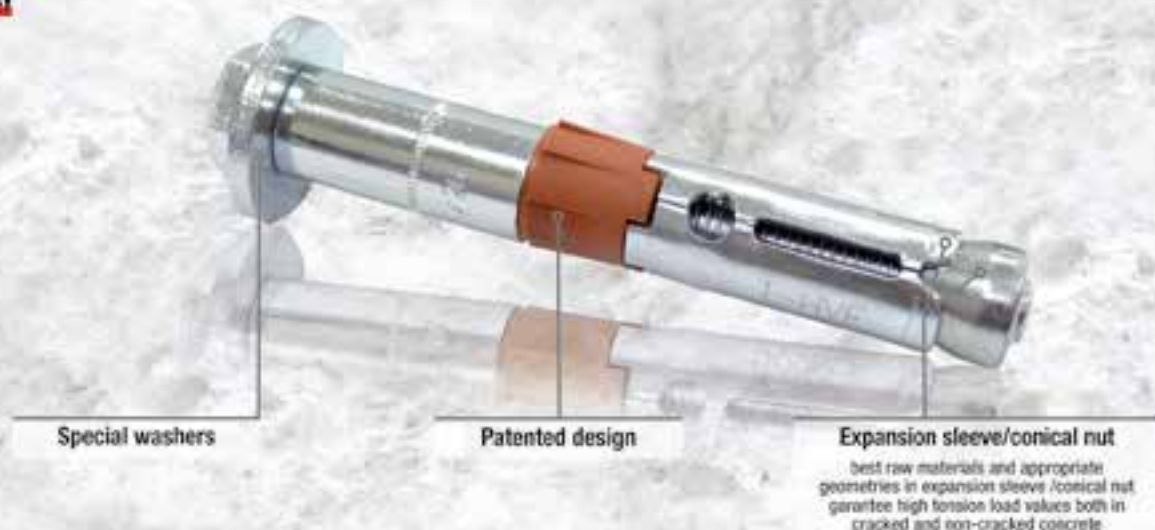
European Technical Assessment
Option 1 - For cracked and non-cracked concrete
Seismic assessment - performance category C2-C1
EAD 330232-00-0001 and EOTA TR049



CEN
in compliance with European Directive
RoHS 2 2011/65/EU

Heavy duty **ETA-CE Certified anchors Option 1**, for cracked and non-cracked concrete, and **C1-C2 Performance Category** for fixing in low to high **SEISMIC RISK** areas

Made in Italy



DSE 01

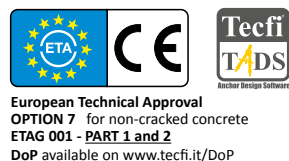
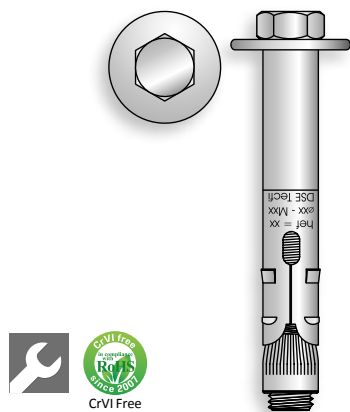
 **Sleeve anchor with hex head screw 8.8 grade and large series washer, zinc plated, ETA-CE Opt.7 certified**

 Cheville à douille zinguée avec vis tête hexagonale classe 8.8, certification ETE-CE Option 7

 Verzinkter Hülseanker mit Sechskantschraube Klasse 8.8, mit ETA-CE Zulassung Option 7

 Anclaje de camisa 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



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 ETE-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.

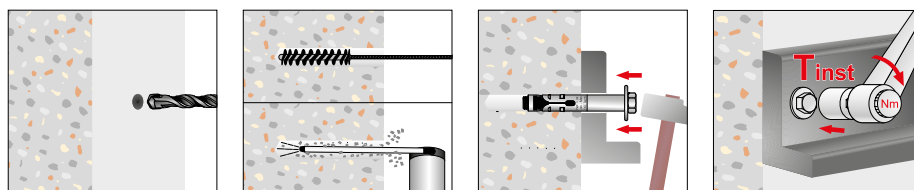
Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

DoP



Declaration of Performance

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



Box / Boîte / Verpackung / Caja / Упаковка



Related products

116

HXE-CONCRETO® HWH concrete screw



High performance steel anchor



A2 (AISI 304) S/S sleeve anchor



SDS-PLUS masonry drill



Pump for hole cleaning



DSE 11

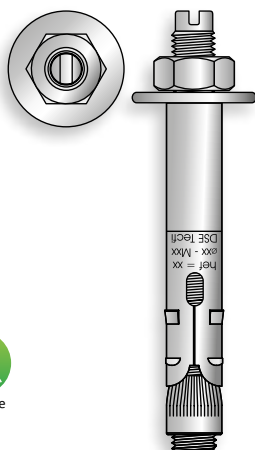
Sleeve anchor with stud 8.8 grade and large series washer, zinc plated, ETA-CE Opt.7 certified

Cheville à douille zinguée avec tige filetée classe 8.8, écrou et rondelle, certification ETE-CE Option 7

Verzinkter Hülseanker mit Gewindestange Klasse 8.8, Schraubenmutter und Scheibe, mit ETA-CE Zulassung Option 7

Anclaje de camisa 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
ETAG 001 - **PART 1 and 2**
DoP available on www.tecfi.it/DoP



Item code	Anchor size $\emptyset \times L_a / t_{fix}$ (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 ETE-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 / Арматура без сертификата ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение



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

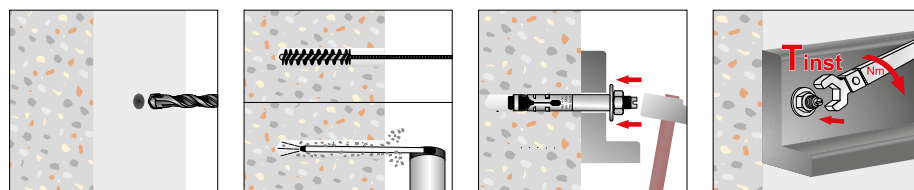
Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

DoP



Dichiarazione di Prestazione

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



Box / Boîte / Verpackung / Caja / Упаковка



Related products

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

High performance steel anchor



HVE02
p. 113

Sleeve anchor with nut



DXE03
p. 125

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DSE 07

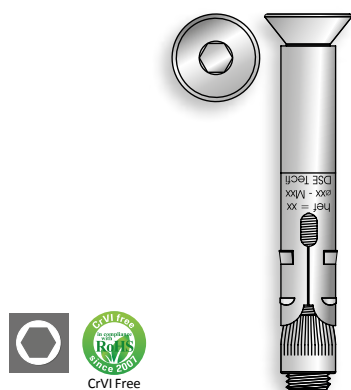
 **Sleeve anchor with flat CSK head socket recess screw 8.8 grade, zinc plated, ETA-CE Opt.7 certified**

 Cheville à douille zinguée avec vis tête fraisée plate à six pans creux classe 8.8, certification ETE-CE Option 7

 Verzinkter Hülseanker mit Innensechskant- Senkkopfschraube Klasse 8.8, mit ETA-CE Zulassung Option 7

 Anclaje de camisa 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



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 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 ETE-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 / Арматур без сертификата ETA-CE

Usage / Utilisation / Benutzung / Uso / Применение



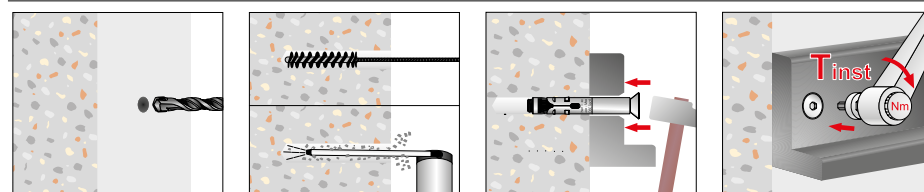
For through (in-place) heavy duty fixings in non-cracked concrete.

Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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



DoP



Declaration of Performance

Related products

118

HXE-CONCRETO® flat CSK head screw



HXE03
p. 108

High performance steel anchor



HVE03
p. 114

In-hex power bit



FN
p. 430

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DSE 10

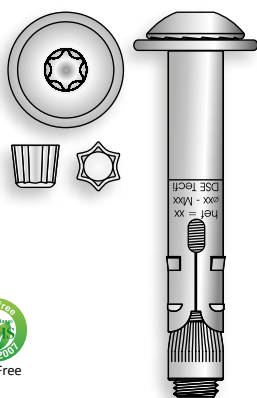
UK Sleeve anchor with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated, ETA-CE Opt.7 certified

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

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

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

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



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 ETE-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
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DoP available on www.tecfix.it/DoP

Usage / Utilisation / Benutzung / Uso / Применение



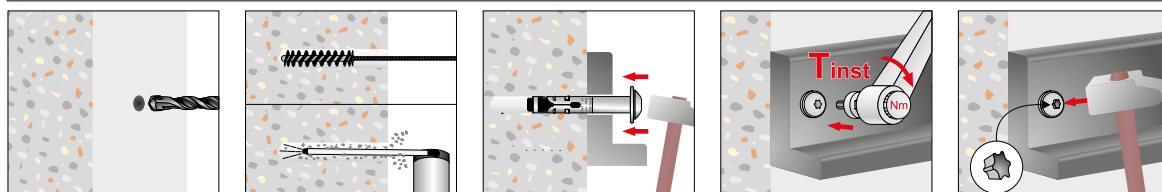
For through (in-place) heavy duty fixings in non-cracked concrete.

Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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



DoP



Declaration of Performance

Related products

CONCRETO® mushroom head screw



HXT
p. 110

Sleeve anchor with nut



DXE04
p. 129

SDS-PLUS masonry drill



EO
p. 427

6-lobe power bit



JB
p. 431

Pump for hole cleaning



DW
p. 168

DS 02 - DS 08

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

France Cheville indémontable à douille zinguée avec tige filetée et écrou borgne

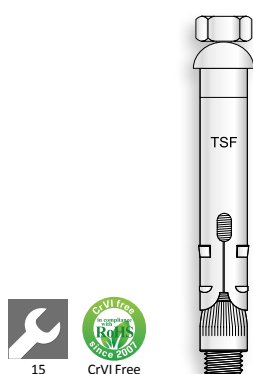
Germany Verzinkter Hülseanker mit Gewindestange und Hutmutter

Spain Anclaje de camisa de acero cincado, montado con espárrago

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

DS 02 with hemispheric shank hexagonal head blind security nut

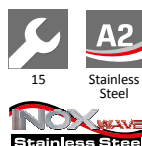
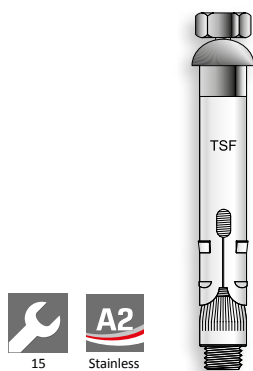
avec écrou borgne à calotte de sécurité zinguée / mit verzinkter Hutmutter Intrusionsschutz / con cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой



Item code	Anchor size Ø x La / t _{fix} (mm)	Stud size M x Ls (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)

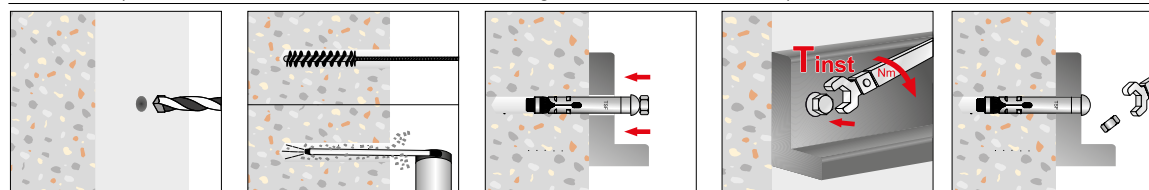


Item code	Anchor size Ø x La / t _{fix} (mm)	Stud size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - M8 - AF 15				
DS 08 10 060	10 x 65 / 5	M8 x 65	50	500
DS 08 10 080	10 x 85 / 25	M8 x 85	50	500
DS 08 10 100	10 x 105 / 45	M8 x 105	50	250

Box / Boîte / Verpackung / Caja / Упаковка



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



Technical Data Sheet



Breaking torque to cut the hexagon Nm > 13

Related products

120

Security nuts



SDS-PLUS masonry drill



Pump for hole cleaning



DS 03

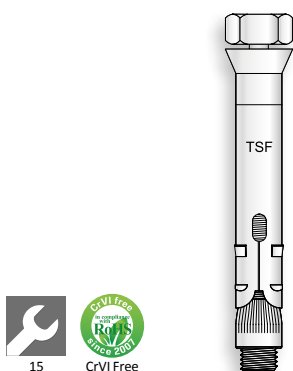
🇬🇧 Zinc plated sleeve anchor with stud and hexagonal head blind security nut (breaking torque to cut the hexagon Nm > 13) with flat CSK shank hexagonal head blind security nut

🇫🇷 Cheville indémontable à douille zinguée avec tige filetée et écrou borgne avec écrou borgne hexagonal de sécurité et tête fraisée plate

🇩🇪 Verzinkter Hülseanker mit Gewindestange und Hutmutter mit Hutmutter Intrusionsschutz und Senkkopf

🇪🇸 Anclaje de camisa de acero cincado, montado con espárrago con cabeza avellanada inviolable con tuerca hexagonal ciega de seguridad

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



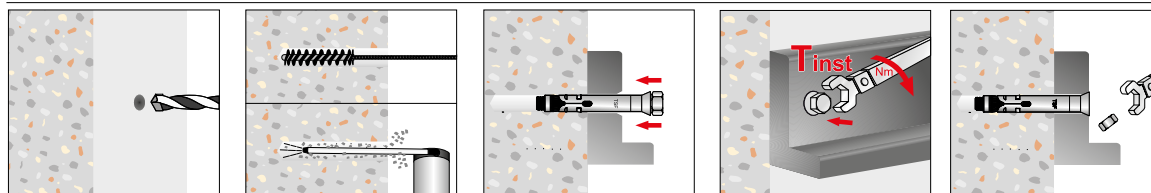
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M8 - AF 15				
DS 03 10 060	10 x 70 / 10	M8 x 65	50	500
DS 03 10 080	10 x 90 / 30	M8 x 85	50	500
DS 03 10 100	10 x 110 / 50	M8 x 105	50	250

Box / Boîte / Verpackung / Caja / Упаковка



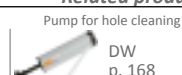
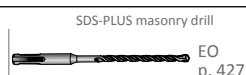
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа

Technical Data Sheet



Breaking torque to cut the hexagon Nm > 13

Related products



LZ 01

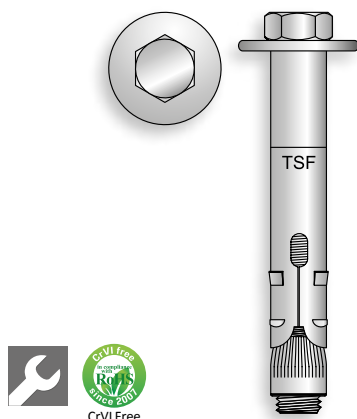
 **Sleeve anchor with hex head screw 8.8 grade and large series washer, zinc plated**

 **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 de camisa 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 $M \times L_s$ (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

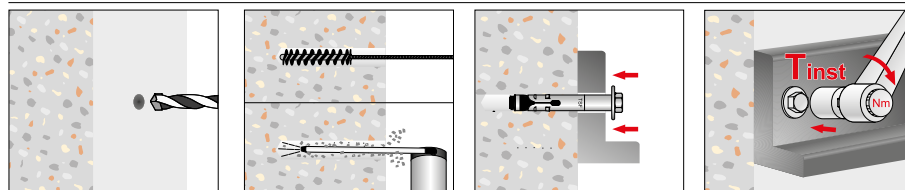
** **Sizes with reduced embedment depth (h_{nom}) (see technical data sheet)** / Mesures avec double profondeur hors-tout d'ancrage (h_{nom}) réduite (voir fiche technique) / Abmessungen mit reduzierter Verankerungstiefe (h_{nom}) (siehe technische Datenblatt) / Medidas con inserción (h_{nom}) reducida (mire ficha técnica) / Размеры с минимальной вворачиваюй (h_{nom}) (см. тех. спецификацию)

 **Technical Data Sheet**

Also available in the PE blister bag



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



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

Box / Boîte / Verpackung / Caja / Упаковка



Related products

122

HXE-CONCRETO® HWH concrete screw



High performance steel anchor



Sleeve anchor



SDS-PLUS masonry drill



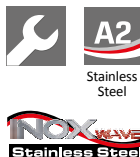
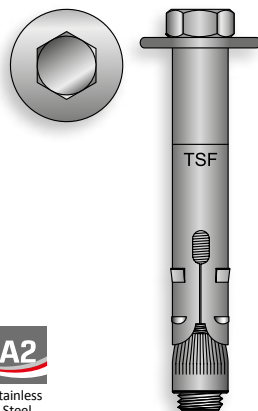
Pump for hole cleaning



LZ 51

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

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



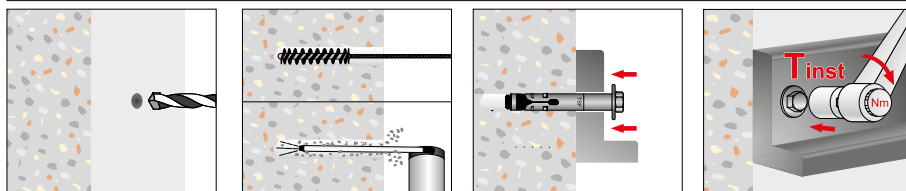
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 8$ - M6 - AF 10				
LZ 51 08 060	8 x 60 / 5	M6	50	500
LZ 51 08 075	8 x 75 / 20	M6	50	500
LZ 51 08 095	8 x 95 / 40	M6	50	500
LZ 51 08 115	8 x 115 / 60	M6	25	250
$\varnothing 10$ - 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
$\varnothing 12$ - 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
$\varnothing 14$ - 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
$\varnothing 16$ - 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

* 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 вворачиваемой (h_{nom}) (см. тех. спецификацию)

Technical Data Sheet



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



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

Box / Boîte / Verpackung / Caja / Упаковка



Related products

A4 (AISI 316) S/S sleeve anchor with nut



DX71
p. 127

Wedge anchors - ETA-CE Option 7



ZJE
p. 138

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DXE 00

🇬🇧 Sleeve anchor with nut, zinc plated, ETA-CE Opt.7 certified

🇫🇷 Cheville à douille zinguée avec cône fixe, certification ETE-CE Option 7

🇩🇪 Verzinkter Hülseanker mit festem Konus, mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje de camisa con cono enganchado, de acero cincado, Homologado ETA-CE Opción 7

🇷🇺 Втулочный стальной оцинкованный анкер, с сертификатом ETA-CE опция 7



European Technical Approval
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DoP available on www.tecfix.it/DoP



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 ETE-CE / ETA-CE Zulassung Homologación ETA-CE / Сертификация ETA-CE			

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 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 ETE-CE Option 7

🇩🇪 Verzinkter Hülseanker mit festem Konus und Sechskantschraube Klasse 8.8, mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje de camisa 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



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



Item code	Anchor size Ø x La / t _{fix} (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - Ch 10				
DXE 01 10 050	10 x 45 / 5	M6 x 50	50	500
Ø 12 - M8 - Ch 13				
DXE 01 12 060	12 x 50 / 10	M8 x 60	50	500
Ø 15 - M10 - Ch 17				
DXE 01 15 080	15 x 60 / 20	M10 x 80	25	250
Ø 18 - M12 - Ch 19				
DXE 01 18 100	18 x 75 / 20	M12 x 100	20	100
ETA-CE Option 7 Certified item / Agrément technique européen ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE				

Usage / Utilisation / Benutzung / Uso / Применение



Zinc plated sleeve anchor with "hooked" nut, ETA-CE Opt.7 certified, for pre-positioned heavy duty fixings in non-cracked concrete. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

DoP



Declaration of Performance

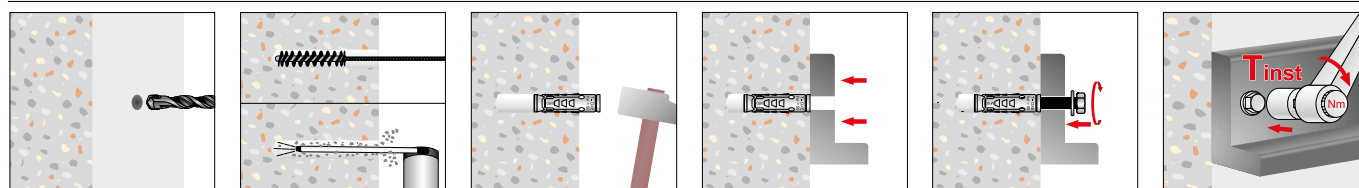
Box / Boîte / Verpackung / Caja / Упаковка



Also available in the PE blister bag



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



Related products

124

HXE-CONCRETO® HWH concrete screw



HXE01
p. 102

A4 (AISI 316) S/S sleeve anchor with nut



DX70
p. 127

DIN933 - UNI5739 - Hex head screw



RL
p. 399

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DXE 03

🇬🇧 Sleeve anchor with 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 ETE-CE Option 7

🇩🇪 Verzinkter Hülseanker mit festem Konus, Gewindestange Klasse 8.8, Sechskantmutter und Scheibe, mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje de camisa 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
ETAG 001 - PART 1 and 2
DoP available on www.tecfix.it/DoP



Item code	Anchor size Ø x La / 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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE				

DXE 04

🇬🇧 Sleeve anchor with 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 ETE-CE Option 7

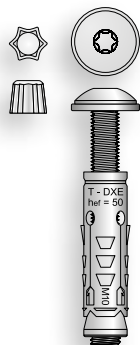
🇩🇪 Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern), mit ETA-CE Zulassung Option 7

🇪🇸 Anclaje de camisa 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
ETAG 001 - PART 1 and 2
DoP available on www.tecfix.it/DoP



Item code	Anchor size Ø x La / 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 ETE-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.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

DoP

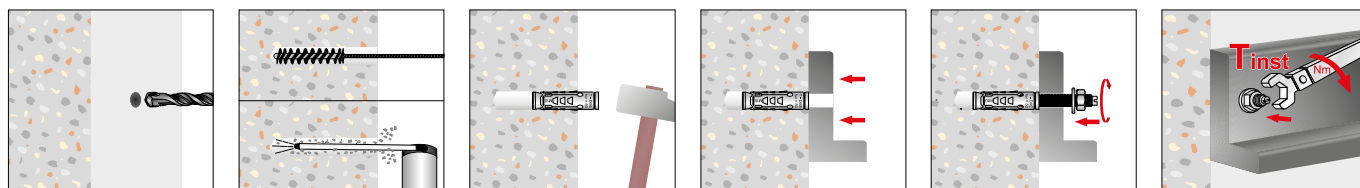


Declaration of Performance

Box / Boîte / Verpackung / Caja / Упаковка

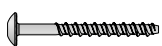


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Related products

CONCRETO® mushroom head screw



HXT
p. 110

Sleeve anchor



DSE10
p. 119

SDS-PLUS masonry drill



EO
p. 427

6-lobe power bit



JB
p. 431

Pump for hole cleaning



DW
p. 168

125

DX 00

Sleeve anchor with nut, zinc plated

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



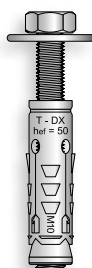
Item code	Anchor size $\varnothing \times L_a$ (mm)	Pcs. per box	Pcs. per carton
DX 00 10 045	10 x 45	100	1.000
DX 00 12 050	12 x 50	50	500
DX 00 15 060	15 x 60	25	250
DX 00 18 075	18 x 75	20	200

DX 01

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

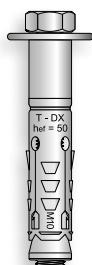
- Cheville à douille avec cône fixe, avec vis tête hexagonale classe 8.8
- Verzinkter Hülseanker mit festem Konus und Sechskantschraube Klasse 8.8
- Anclaje de camisa con cono enganchado, montado con tornillo cabeza hexagonal clase 8.8, de acero cincado
- Втулочный стальной оцинкованный анкер с болтом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

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



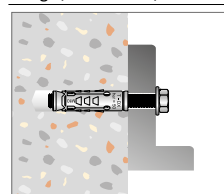
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 01 10 045	10 x 45 / 5	M6 x 50	50	500
Ø 12 - M8 - AF 13				
DX 01 12 050	12 x 50 / 10	M8 x 60	50	500
Ø 15 - M10 - AF 17				
DX 01 15 060	15 x 60 / 20	M10 x 80	25	250
Ø 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
Ø 10 - M6 - AF 10				
DX 01 10 070	10 x 70 / 25	M6 x 75	50	500
Ø 12 - M8 - AF 13				
DX 01 12 075	12 x 75 / 25	M8 x 80	25	250
Ø 15 - M10 - AF 17				
DX 01 15 085	15 x 85 / 25	M10 x 90	25	125
Ø 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



Related products

126

HXE-CONCRETO® HWN concrete screw



HXE01
p. 102

DIN933 - UNI5739 - Hex head screw



RL
p. 399

Sleeve anchors with nut



DXE
p. 124

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DX 70

UK A4 (AISI 316) stainless steel sleeve anchor with nut

FR Cheville à douille avec cône fixe, en Acier INOX A4 (AISI 316)

DE Hülseanker mit festem Konus aus Edelstahl A4 (AISI 316)

ES Anclaje de camisa con cono enganchado, de Acero Inoxidable A4 (AISI 316)

RU Втулочный анкер с прикрепленным конусом из нержавеющей стали A4 (AISI 316)

A4

Stainless Steel

INOX WAVE
Stainless Steel



Item code	Anchor size $\varnothing \times L_a$ (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

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

FR Cheville à douille en Acier INOX A4 (AISI 316), avec cône fixe et vis tête hexagonale en acier INOX A4 (AISI 316) et rondelle

DE Hülseanker aus Edelstahl A4 (AISI 316) mit festem Konus und Sechskantschraube aus Edelstahl A4 (AISI 316) und Scheibe

ES Anclaje de camisa con cono enganchado, montado con tornillo cabeza hexagonal (clase de resistencia 70) y arandela, de Acero Inoxidable A4 (AISI 316)

RU 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



A4

Stainless Steel

INOX WAVE
Stainless Steel



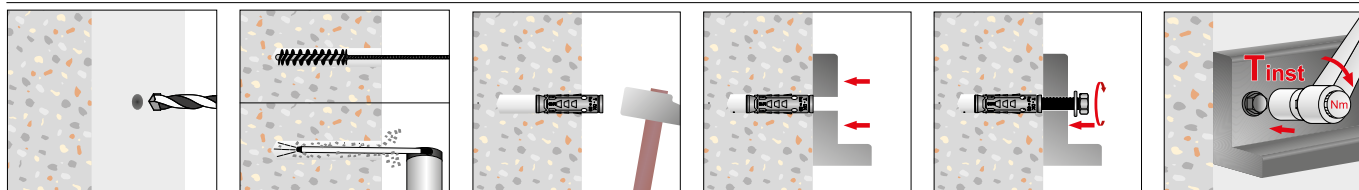
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 71 10 045	10 x 45 / 5	M6 x 50	50	500
Ø 12 - M8 - AF 13				
DX 71 12 050	12 x 50 / 10	M8 x 60	50	500
Ø 15 - M10 - AF 17				
DX 71 15 060	15 x 60 / 20	M10 x 80	25	250
Ø 18 - M12 - AF 19				
DX 71 18 075	18 x 75 / 20	M12 x 100	20	100

Technical Data Sheet

Box / Boîte / Verpackung / Caja / Упаковка



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



For pre-positioned heavy duty fixings in concrete.

Related products

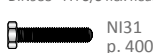
A2 (AISI 304) S/S sleeve anchor



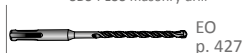
Wedge anchors - ETA-CE Option 7



DIN933 - A4 S/S hex head screw



SDS-PLUS masonry drill



Pump for hole cleaning



127

DX 07

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

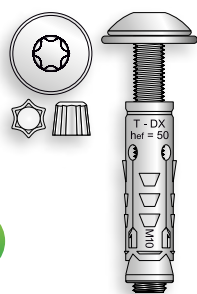
🇫🇷 Cheville à douille avec cône fixe, avec vis tête ronde classe 8.8 (avec Cache-tête inamovible à marteler)

🇩🇪 Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern)

🇪🇸 Anclaje de camisa 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 nut, with mushroom head screw 8.8 grade (anti-theft with special cap to be hammered), zinc plated**

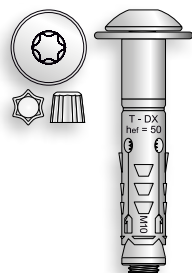
🇫🇷 Cheville à douille avec cône fixe, avec vis tête ronde classe 8.8 (avec Cache-tête inamovible à marteler)

🇩🇪 Verzinkter Hülseanker mit festem Konus und Rundkopfschraube Klasse 8.8 (mit Schutzkappe zu hämmern)

🇪🇸 Anclaje de camisa 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



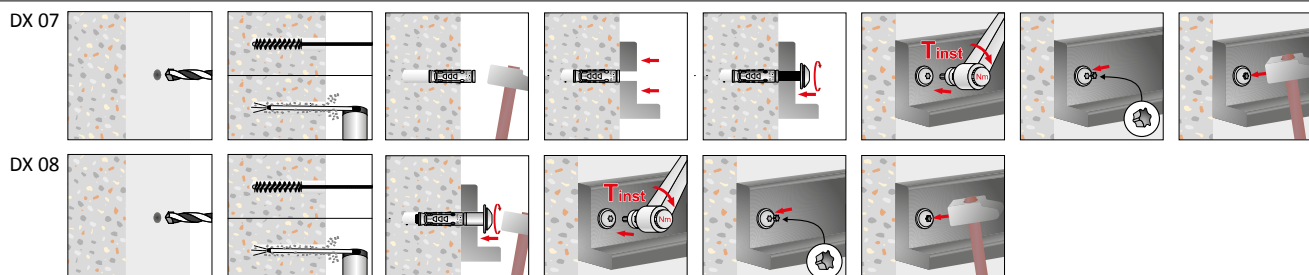
Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 - M8 - T-40				
DX 08 12 075	12 x 75 / 25	M8 x 85	25	250
Ø 15 - M10 - T-40				
DX 08 15 085	15 x 85 / 25	M10 x 85	25	125

Technical Data Sheet

Box / Boîte / Verpackung / Caja / Упаковка



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



Related products

128

CONCRETO® mushroom head screw



HXT
p. 110

Sleeve anchor



DSE10
p. 119

SDS-PLUS masonry drill



EO
p. 427

6-lobe power bit



JB
p. 431

Pump for hole cleaning

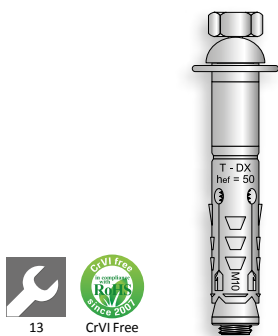


DW
p. 168

DX 04

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

- F** Cheville à douille zinguée avec cône fixe, avec tige filetée et écrou borgne à calotte (clé 15 mm) de sécurité (rupture de l'hexagone Nm > 13)
- D** Verzinkter Hülseanker mit festem Konus, mit Gewindestange und Hutmutter (SW 15 mm) mit Intrusionsschutz (Anzugsdrehmoment Nm > 13)
- E** Anclaje de camisa 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
- R** Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (шестигранный ключ 15 mm ; сила затягивания для срыва гайки Nm > 13)

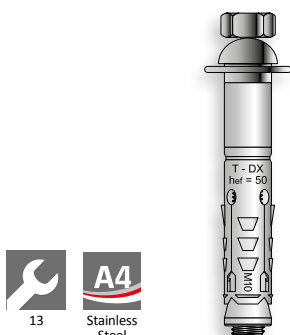


Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M8 - AF 13				
DX 04 12 080	12 x 80 / 25	M8 x 85	50	250

DX 05

UK Zinc plated sleeve anchor with 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)

- F** 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'hexagone Nm > 13)
- D** Verzinkter Hülseanker mit festem Konus, mit Gewindestange und Edelstahl Hutmutter (SW 15 mm) mit Intrusionsschutz (Anzugsdrehmoment Nm > 13)
- E** Anclaje de camisa 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
- R** Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой из нержавеющей стали A2 (шестигранный ключ 15 mm; сила затягивания для срыва гайки Nm > 13)



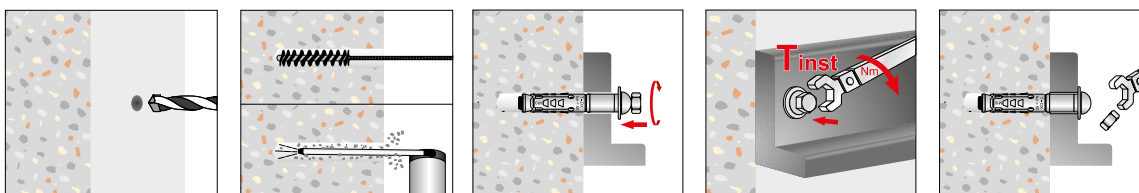
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Stud size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M8 - AF 13				
DX 05 12 080	12 x 80 / 25	M8 x 85	50	250

Box / Boîte / Verpackung / Caja / Упаковка

Also available in the PE blister bag

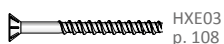


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Related products

HXE-CONCRETO® flat CSK head screw



Sleeve anchors



Security nuts



SDS-PLUS masonry drill



Pump for hole cleaning



129

DX 03

Sleeve anchor with 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 de camisa 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
Ø 10 - M6 - AF 10				
DX 03 10 045	10 x 45	M6 x 55	50	500
Ø 12 - M8 - AF 13				
DX 03 12 050	12 x 50	M8 x 65	50	250
Ø 15 - M10 - AF 17				
DX 03 15 060	15 x 60	M10 x 81	25	125
Ø 18 - M12 - AF 19				
DX 03 18 075	18 x 75	M12 x 98	15	75

DX 02

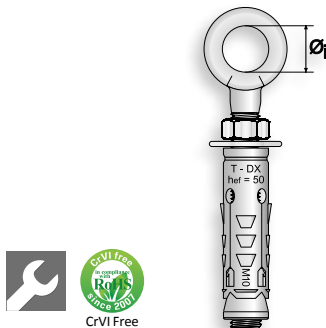
Sleeve anchor with nut, with eye screw, hex nut and large washer, zinc plated

 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 de camisa 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



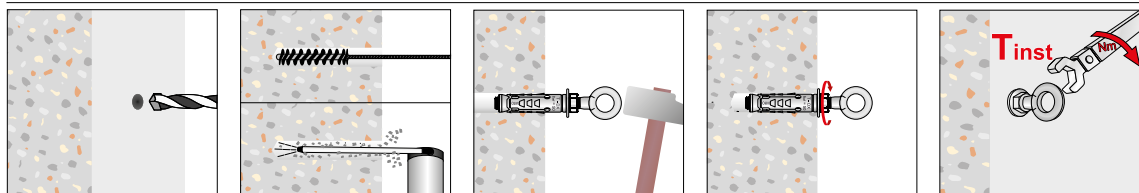
Item code	Anchor size $\varnothing \times L_a$ (mm)	Screw size $M \times L_s \times \varnothing_i$ (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 02 10 045	10 x 45	M6 x 55 x 10	50	500
Ø 12 - M8 - AF 13				
DX 02 12 050	12 x 50	M8 x 65 x 11,5	50	250
Ø 15 - M10 - AF 17				
DX 02 15 060	15 x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

Box / Boîte / Verpackung / Caja / Упаковка

Also available in the PE blister bag



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



Per fissaggi generali in carpenteria su calcestruzzo, pietre, materiali compatti, di griglie, recinzioni e altri particolari di sicurezza.

Related products

130

Zinc plated steel anchors with wings



CS - CT
p. 133

Zinc plated steel screws



CV - CU
p. 164

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

DX 06

🇬🇧 Sleeve anchor with 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 de camisa 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

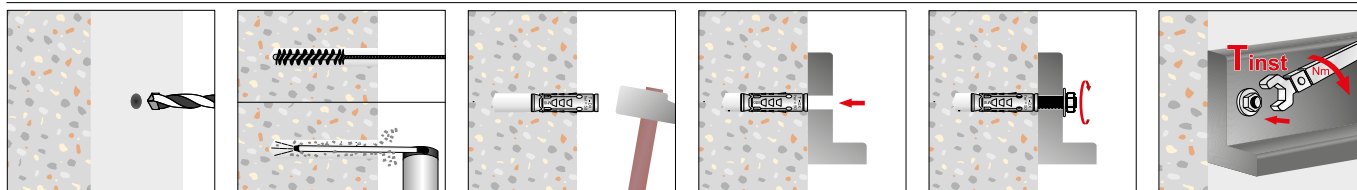


Item code	Anchor size Ø x La (mm)	Stud size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 - M6 - AF 10				
DX 06 10 045	10 x 45 / 10	M6 x 65	50	500
Ø 12 - M8 - AF 13				
DX 06 12 050	12 x 50 / 15	M8 x 75	50	500
Ø 15 - M10 - AF 17				
DX 06 15 060	15 x 60 / 20	M10 x 95	25	250
Ø 18 - M12 - AF 19				
DX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

Box / Boîte / Verpackung / Caja / Упаковка



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

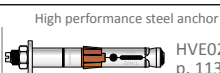


Per fissaggi generali in carpenteria su calcestruzzo, pietre, materiali compatti, di griglie, recinzioni e altri particolari di sicurezza.

Related products



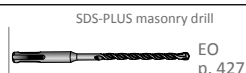
HXE02 - HXE12
p. 106



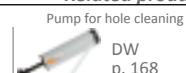
HVE02
p. 113



DXE03
p. 125



EO
p. 427



DW
p. 168

CP 01

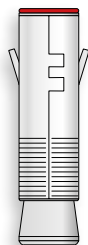
Zinc plated steel anchor with wings with nut, with plastic ring and undercap

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 усами



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

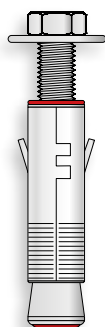
Zinc plated steel anchor with wings with nut, with hex head screw 8.8 grade

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 усами с болтом с шестигранной головкой класса 8.8



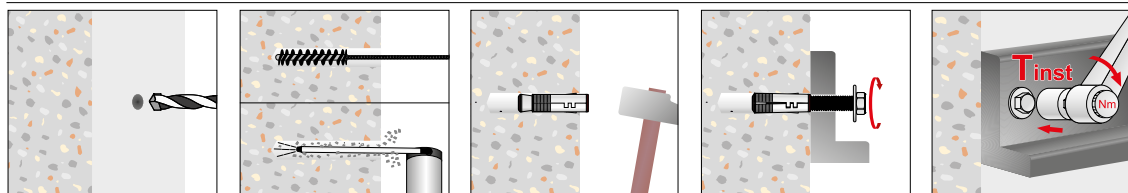
Item code	Anchor size $\varnothing \times L_a / t_{fix}$ (mm)	Screw size $M \times L_s$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12$ - M6 - AF 10				
CQ 01 12 045	12 x 45 / 5	M6 x 50	50	500
$\varnothing 14$ - M8 - AF 13				
CQ 01 14 050	14 x 50 / 10	M8 x 60	50	500
$\varnothing 16$ - M10 - AF 17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

Box / Boîte / Verpackung / Caja / Упаковка

Also available in the PE blister bag



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



Per fissaggi generali in carpenteria su calcestruzzo, mattoni pieni, pietre e materiali compatti.

Technical Data Sheet



Related products

132

DIN933 - UNI5739 - Hex head screw



RL
p. 399

Sleeve anchor with nut



DXE01
p. 124

Sleeve anchors with nut in Acciaio INOX A2



DX70 - DX71
p. 127

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

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

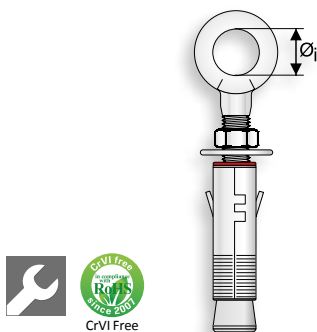
Zinc plated steel anchor with wings, with eye screw, hex nut and large washer

Cheville zinguée avec deux ailettes, avec œillet, 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

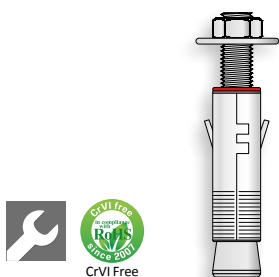
Zinc plated steel anchor with wings, with stud 5.8 grade, hex nut and large washer

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

Sleeve anchors with nut



Zinc plated steel screws



SDS-PLUS masonry drill



Related products

Pump for hole cleaning

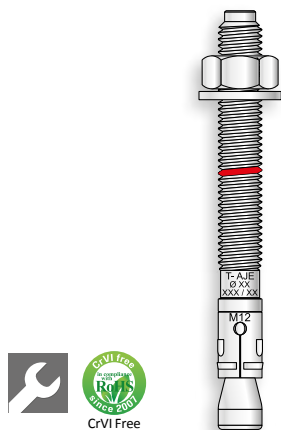


AJE 01

SEISMIC FIXING SOLUTIONS

Special Wedge Anchor, assembled with hex nut and special washer, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Barre d'ancrage avec tôle mince spéciale, écrou et rondelle, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Anker mit speziellem Feinblech, Sechskantmutter und Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Anclaje macho especial, montado con tuerca y arandela especial, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Анкерный болт со специальным распорным кольцом, гайкой и шайбой, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment
ETAG 001 - PART 1 and 2 and ANNEX E

OPTION 1: for cracked and non-cracked concrete

Seismic assessment: performance category C1: Ø 10

performance category C2-C1: Ø 12 ÷ Ø 20

DoP available on www.tecfi.it/DoP

DoP Box / Boîte / Verpackung / Caja / Упаковка



Declaration of Performance



Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to ETAG 001 - ANNEX E. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

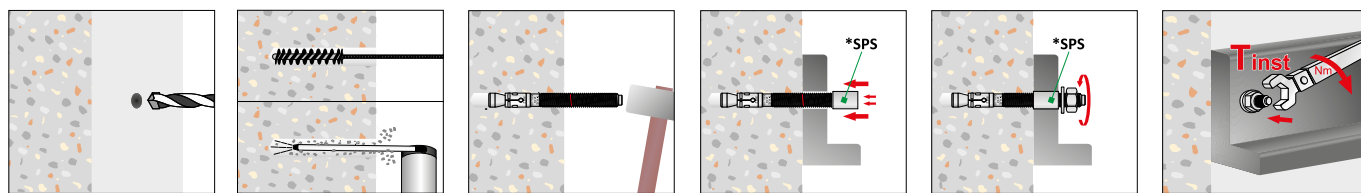
Item code	Anchor size Ø x La / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - AF 13			
AJE 01 08 080	8 x 80 / 10	100	500
AJE 01 08 090	8 x 90 / 20	100	500
AJE 01 08 110	8 x 110 / 40	50	500
AJE 01 08 130	8 x 130 / 60	50	500
AJE 01 08 170	8 x 170 / 100	25	250
Ø 10 - AF 17			
AJE 01 10 095	10 x 95 / 10	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

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

ETAG 001 - ANNEX E - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

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



* Seismic Protector (item code SPS) - to be installed in case of seismic applications only.

Related products

134

SPS - Seismic Protector*



HXE-CONCRETO® dual thread screw



Wedge anchors - ETA-CE Option 7



SDS-PLUS masonry drill

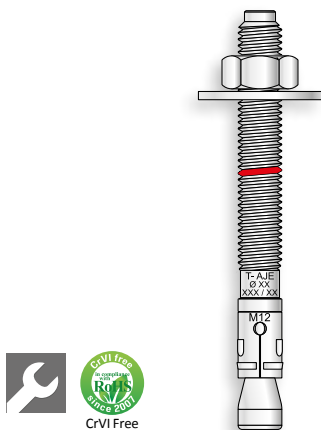


Pump for hole cleaning



Special Wedge Anchor, assembled with hex nut and special large washer, Certified ETA-CE Option 1 and Performance Category C2-C1 Under Seismic Action

- Barre d'ancrage avec tôle mince spéciale, écrou et rondelle large, avec certification ETE-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Anker mit speziellem Feinblech, Sechskantmutter und breiter Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C2-C1
- Anclaje macho especial, montado con tuerca y arandela ancha especial, Homologada ETA-CE Opción 1 y Categoría de prestación C2-C1 para fijaciones en zonas sísmicas
- Анкерный болт со специальным распорным кольцом, гайкой и специальной широкой шайбой, Сертифицирован ETA-CE Опция 1 и Категория C2-C1 для сейсмических воздействий



European Technical Assessment
ETAG 001 - PART 1 and 2 and ANNEX E
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C1: Ø 10
performance category C2-C1: Ø 12 ÷ Ø 20
DoP available on www.tecfi.it/DoP

DoP Box / Boîte / Verpackung / Caja / Упаковка



Declaration of Performance



Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to ETAG 001 - ANNEX E. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

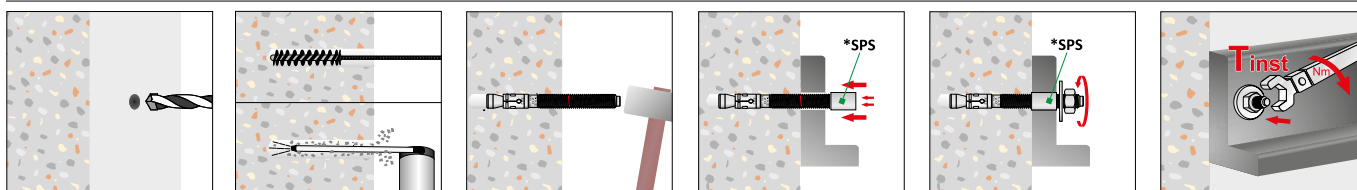
Item code	Anchor size Ø x La / t _{fix} (mm)	Pcs. per box	Pcs. per carton
Ø 8 - AF 13			
AJE 31 08 080	8 x 80 / 10	100	500
AJE 31 08 090	8 x 90 / 20	100	500
AJE 31 08 110	8 x 110 / 40	50	500
AJE 31 08 130	8 x 130 / 60	50	500
AJE 31 08 170	8 x 170 / 100	25	250
Ø 10 - AF 17			
AJE 31 10 095	10 x 95 / 10	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 ETE-CE / ETA-CE Zulassung
Homologación ETA-CE / Сертификация ETA-CE

ETAG 001 - ANNEX E - Item assessed Under Seismic Action / Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

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

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



*Seismic Protector (item code SPS) - to be installed in case of seismic applications only

Related products

SPS - Seismic Protector*



HXE-CONCRETO® dual thread screw



Wedge anchors - ETA-CE Option 7



SDS-PLUS masonry drill



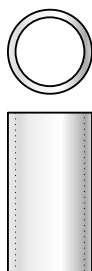
Pump for hole cleaning



SPS 01

SEISMIC FIXING SOLUTIONS

-  **Seismic Protector®** - special zinc plated steel cylinder, for seismic applications with AJE anchors
-  **Seismic Protector®** - Cylindre zingué, pour la fixation des chevilles AJE en zone sismique
-  **Seismic Protector®** - Verzinkter Zylinder für die Befestigung von AJE Anker in seismischer Zone
-  **Seismic Protector®** - cilindro especial de acero cincado, para fijar anclajes AJE en zona sísmica
-  **Seismic Protector®** - специальный цилиндр из оцинкованной стали, для монтажа с анкером AJE в сейсмической зоне

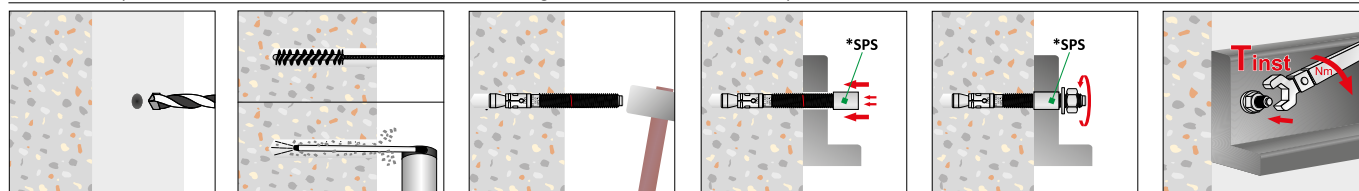


Item code	Size Ø x L (mm)	Pcs. per box	Pcs. per carton
Ø 12 - for AJE anchors Ø10			
SPS 01 12 010	12 x 10	50	500
SPS 01 12 020	12 x 20	50	500
SPS 01 12 040	12 x 40	50	500
SPS 01 12 060	12 x 60	50	500
SPS 01 12 080	12 x 80	30	300
SPS 01 12 100	12 x 100	25	250
Ø 14 - for AJE anchors Ø12			
SPS 01 14 010	14 x 10	30	300
SPS 01 14 020	14 x 20	30	300
SPS 01 14 040	14 x 40	30	300
SPS 01 14 060	14 x 60	30	300
SPS 01 14 080	14 x 80	30	300
SPS 01 14 100	14 x 100	30	300
Ø 18 - for AJE anchors Ø16			
SPS 01 18 005	18 x 5	25	250
SPS 01 18 020	18 x 20	20	200
SPS 01 18 040	18 x 40	20	200
SPS 01 18 100	18 x 100	10	100
Ø 22 - for AJE anchors Ø20			
SPS 01 22 030	22 x 30	10	100
SPS 01 22 060	22 x 60	10	100

Box / Boîte / Verpackung / Caja / Упаковка



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



The Seismic Protector® special cylinder, perfectly fitting the annular gap between the anchor and the fixture, avoids the hammering effect due to the seismic action. The total length (tfix) of the annular gap must be filled; for this purpose, the usage of more cylinders is allowed.

* Seismic Protector (item code SPS) - to be installed in case of seismic applications only

Related products

Wedge anchors - ETA-CE Option 1


 AJE
p. 134

SEISMIC FIXING SOLUTIONS

WEDGE ANCHORS - ETA-CE CERTIFIED



- ▶ European Technical Assessment – Option 1 for cracked and non-cracked concrete
- ▶ Performance Category C2 – C1 for use under Seismic Action
- ▶ Fire resistance R120
- ▶ Extra-long sizes for very large thicknesses of fixture (Tfix)
- ▶ Available with standard washer or with special large washer

option 1
SEISMIC FIXING



European Technical Assessment
Option 1 – For cracked and non-cracked concrete
Seismic assessment – performance category C2-C1
ETAG 001 part 1, part 2 – ANNEX E



TADS – Tecfi Anchor Design Software
for complete 3D design of Anchorages



CrVI free
in compliance with European Directive
RoHS 2 2011/65/EU

Special wedge anchor, assembled with hex nut and special washer, **ETA-CE Certified anchors Option 1**, for cracked and non-cracked concrete, and **C1-C2 Performance Category** for fixing in low to high SEISMIC RISK areas

AJE 01

The digit identifies the max fixture thickness

Min embedment depth

Tensile strength
Min 800 N/mm² (body)

Digits showing sizes and Tfix

Version with Special Large washer



Special Expansion sleeve

NO HAMMERING EFFECT

with Tecfi SPS-Seismic Protector® (Pat.Pend.)



HALF SHEAR CAPACITY

In presence of annular gap the design shear resistance of the anchor is affected by 50% reduction.



FULL SHEAR CAPACITY

The SPS-Seismic Protector®, special cylinder (Pat.Pend.), perfectly fitting the annular gap between the anchor and the fixture, AVOIDS THE HAMMERING EFFECT DUE TO THE SEISMIC ACTION. In this case there is NO reduction factor.

How to fill the annular gap for seismic fixing



Tecfi
Fixing Systems

we try
harder
because you will
benefit

ISO 9001 - ISO 14001

follow us on:



ZJE 01

🇬🇧 **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 ETE-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

CrVI Free

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

New Item

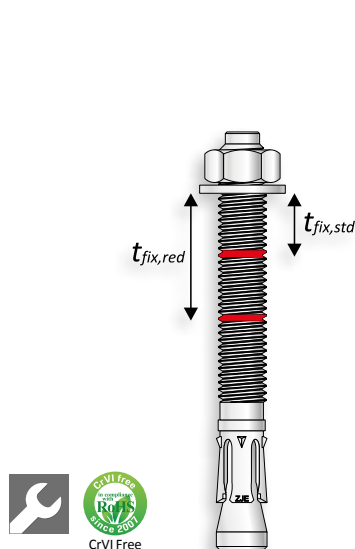
New Item

New Item

New Item

New Item

Item code	Anchor size $\varnothing \times L_a$ (mm)	Maximum thickness of fixture $t_{fix, std}$ $t_{fix, red}$		Pcs. per box	Pcs. per carton
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	500
★ 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	50	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
New Item ★ ZJE 01 12 200	12 x 200	108	123	20	100
New Item ★ ZJE 01 12 250	12 x 250	158	173	15	75
New Item ⚠ AJ 04 12 280	12 x 280	190	-	10	50
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
New Item ★ ZJE 01 16 250	16 x 250	128	-	10	60
New Item ★ ZJE 01 16 280	16 x 280	158	-	10	60
Ø 20 - AF 30					
★ ZJE 01 20 170	20 x 170	23	-	10	50
★ ZJE 01 20 220	20 x 220	73	-	5	25



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

New Item

New Item

New Item

⚠ Item without ETA-CE Certification: for technical data sheet see AJ04 range (p. 142)

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

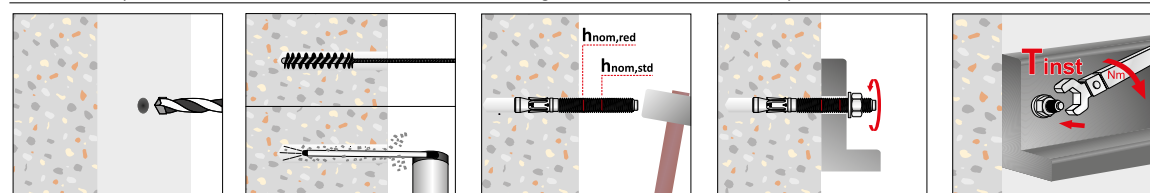
Also available in the PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



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

DoP



$t_{fix, std}$ - 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)



Declaration of Performance

Related products

138

Wedge anchors - ETA-CE Option 1



AJE
p. 134

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

High performance steel anchor



HVE02
p. 113

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

ZJE 31

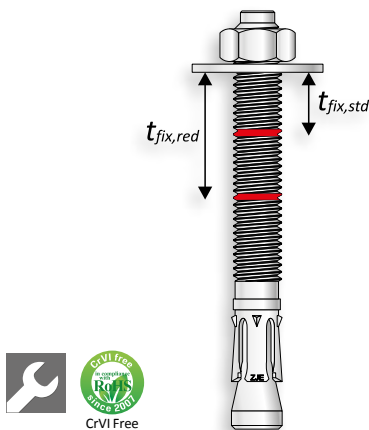
Wedge anchor in carbon steel, with nut and large series washer, zinc plated, ETA-CE Opt.7 certified

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

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

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 Assessment
ETAG 001 - PART 1 and 2
OPTION 7 for non-cracked concrete
DoP available on www.tecfix.it/DoP

Item code	Anchor size Ø x La (mm)	Maximum thickness of fixture* t _{fix,std} t _{fix,red}		Pcs. per box	Pcs. per carton
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
New Item ★ ZJE 31 12 200	12 x 200	108	123	20	100
New Item ★ ZJE 31 12 250	12 x 250	158	173	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	-	15	75
★ ZJE 31 16 220	16 x 220	98	-	10	50
New Item ★ ZJE 31 16 250	16 x 250	128	-	10	50
New Item ★ ZJE 31 16 280	16 x 280	158	-	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 ETE-CE / ETA-CE Zulassung Homologación ETA-CE / Сертификация ETA-CE					

Usage / Utilisation / Benutzung / Uso / Применение

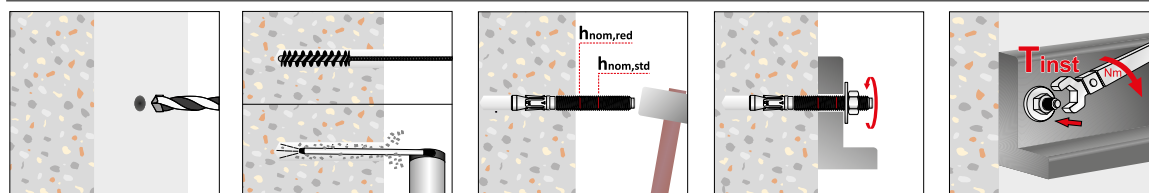


For heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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



$t_{fix,std}$ - 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)

DoP



Declaration of Performance

Related products

Wedge anchors - ETA-CE Option 1



AJE
p. 134

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

High performance steel anchor



HVE02
p. 113

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

ZJE 71

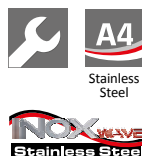
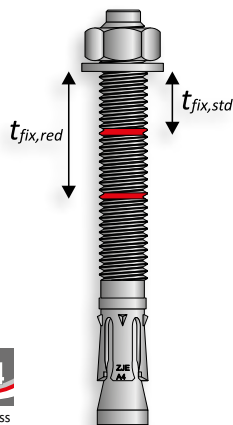
A4 (AISI 316) stainless steel wedge anchor, with nut and washer, ETA-CE Opt.7 certified

 Barre d'ancrage en acier Inox A4 (AISI 316) avec écrou et rondelle, certification ETE-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



European Technical Assessment
ETAG 001 - PART 1 and 2
OPTION 7 for non-cracked concrete
DoP available on www.tecffi.it/DoP



New Item
New Item

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 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 16 090	16 x 90	-	4	25	125
ZJE 71 16 125	16 x 125	3	-	25	125
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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE Item without ETA-CE Certification / Article sans certification / Artikel ohne Zulassung / Medida no homologada ETA-CE / Аpmуку без сертификации ETA-CE					

Usage / Utilisation / Benutzung / Uso / Применение



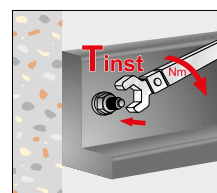
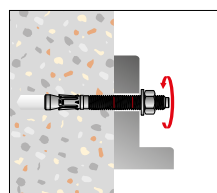
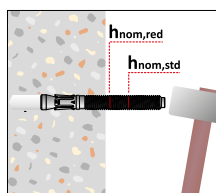
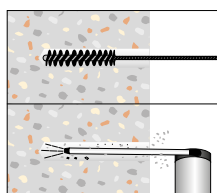
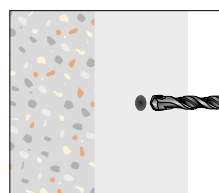
For heavy duty fixings in non-cracked concrete.

Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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



DoP



Declaration of Performance

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)

Related products

140

A2 (AISI 304) S/S sleeve anchor



LZ51
p. 123

A4 (AISI 316) S/S sleeve anchor with nut



DX71
p. 127

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

ZJE 81

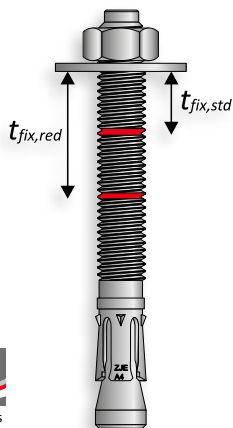
🇬🇧 **A4 (AISI 316) stainless steel wedge anchor, with nut and large series washer, ETA-CE Opt.7 certified**

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



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

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 16 090	16 x 90	-	4	25	125
ZJE 81 16 125	16 x 125	3	-	25	125
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 ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE					
Item without ETA-CE Certification / Article sans certification / Artikel ohne Zulassung / Medida no homologada ETA-CE / Аpmукык без сертификата ETA-CE					

New Item

New Item

Usage / Utilisation / Benutzung / Uso / Применение



For heavy duty fixings in non-cracked concrete.

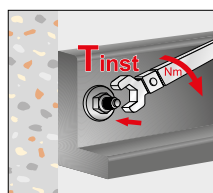
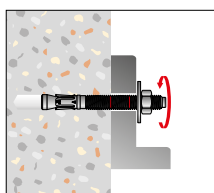
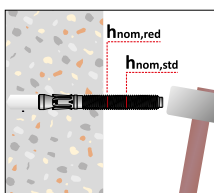
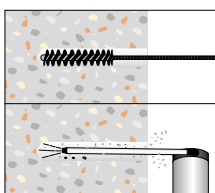
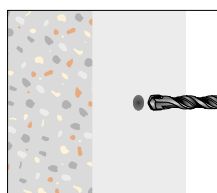
Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

Box / Boîte / Verpackung / Caja / Упаковка



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

DoP



Declaration of Performance

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)

Related products

A2 (AISI 304) S/S sleeve anchor



LZ51
p. 123

A4 (AISI 316) S/S sleeve anchor with nut



DX71
p. 127

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

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



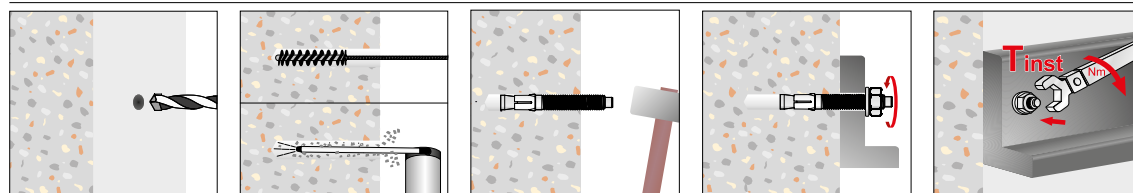
Item code	Size $\varnothing \times L / t_{fix} (mm)$	Pcs. per box	Pcs. per carton
Ø 8 - AF 13			
 AJ 04 08 050	8 x 50 / 5	100	500
AJ 04 08 075	8 x 75 / 10	100	500
AJ 04 08 095	8 x 95 / 30	100	500
AJ 04 08 115	8 x 115 / 50	50	500
AJ 04 08 135	8 x 135 / 70	50	500
Ø 10 - AF 17			
AJ 04 10 070	10 x 70 / 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
<i>New Item</i> AJ 04 12 280	12 x 280 / 190	10	50
Ø 14 - AF 22			
 AJ 04 14 080	14 x 80 / 5	25	250
Ø 16 - AF 24			
<i>New Item</i> AJ 04 16 125	16 x 125 / 5	25	125
<i>New Item</i> AJ 04 16 145	16 x 145 / 25	20	100
<i>New Item</i> AJ 04 16 180	16 x 180 / 60	15	75
Ø 24 - AF 36			
AJ 04 24 160	24 x 160 / 10	5	25
AJ 04 24 200	24 x 200 / 30	5	25
AJ 04 24 260	24 x 260 / 90	5	15
AJ 04 24 310	24 x 310 / 140	5	15

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

Box / Boîte / Verpackung / Caja / Упаковка



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



For general fixings in concrete.

 **Technical Data Sheet**



Related products

142

Wedge anchors - ETA-CE Option 1



AJE
p. 134

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

Wedge anchors - ETA-CE Option 7



ZJE
p. 138

Pump for hole cleaning



DW
p. 168

AJ 02

Until stockout / Jusqu'à épuisement de stocks / 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

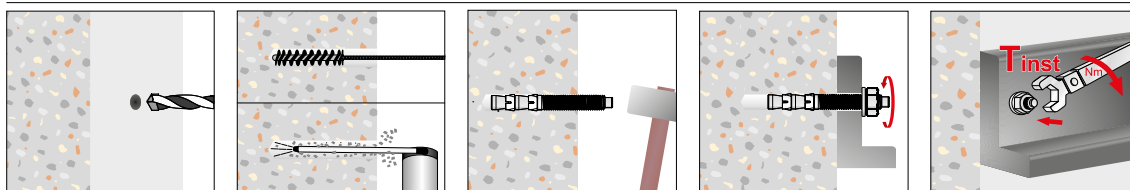


Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 6 - AF 10			
AJ 02 06 065	6 x 65 / 15	100	1.000
AJ 02 06 100	6 x 100 / 50	100	1.000
Ø 8 - AF 13			
AJ 02 08 060	8 x 60 / 5	100	1.000
AJ 02 08 080	8 x 80 / 25	100	500
AJ 02 08 100	8 x 100 / 45	100	500
AJ 02 08 115	8 x 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	250
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 16 175	16 x 175 / 70	15	75

Box / Boîte / Verpackung / Caja / Упаковка



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



For general fixings in concrete.

Technical Data Sheet



Wedge anchors - ETA-CE Option 1



AJE
p. 134

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

Wedge anchors - ETA-CE Option 7



ZJE
p. 138

Related products

Pump for hole cleaning



DW
p. 168

HLE 01^{New}

Available from February 2019 / Disponible à compter de Février 2019 / Verfügbar ab Februar 2019 / Disponible desde Febrero 2019 / В наличии с Февраля 2019

★ Zinc plated drop-in anchor, with internal and pre-assembled cone, to be hammered with setting tool (item HME01), ETA-CE Option 7 certified

- ☛ Cheville zinguée avec cône d'expansion intérieur, à marteler avec outil (code HM 01) certifié ETE-CE Option 7
- ☛ Verzinkter Drop-in Dübel, mit intern vormontiertem Konus, gehämmert mit Spezialwerkzeug (Artikel HME01), ETA-CE Option 7 zertifiziert.
- ☛ Anclaje hembra con cono interior, de acero cincado, Homologado ETA-CE Opción 7
- ☛ Оцинкованный забивной анкер, с сертификатом ETA-CE опция 7



European Technical Assessment
EAD 330232 - 00 - 0601
OPTION 7: for non-cracked concrete
DoP available on www.tecni.it/DoP



Item code	Size M x Ø x L (mm)	Pcs. per box	Pcs. per carton
★ HLE 01 06 025	M6 x 8 x 25	100	2.000
★ HLE 01 08 030	M8 x 10 x 30	100	1.600
★ HLE 01 10 030	M10 x 12 x 30	50	1.000
★ HLE 01 10 040	M10 x 12 x 40	50	1.000
★ HLE 01 12 050	M12 x 15 x 50	50	500
★ HLE 01 16 065	M16 x 20 x 65	25	200

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

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

Outil zingué pour le montage des chevilles HLE01, certifié / Verzinktes Spezialwerkzeug geeignet zum einhämmern von Artikel HLE 01 (Drop-in Dübel) / Expansionador manual de acero cincado, para anclaje hembra HLE 01 / Оцинкованный инструмент для забивного анкера HLE 01



European Technical Assessment

Item code	Size M x Ø x L (mm)	Pcs. per box
HME 01 06 025	M6 x 8 x 25	1
HME 01 08 030	M8 x 10 x 30	1
HME 01 10 030	M10 x 12 x 30	1
HME 01 10 040	M10 x 12 x 40	1
HME 01 12 050	M12 x 15 x 50	1
HME 01 16 065	M16 x 20 x 65	1

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 intérieur, 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 HM01)



Technical Data Sheet



Item code	Size M x Ø x L (mm)	Pcs. per box	Pcs. per carton
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

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 / Verzinktes 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 M	Pcs. per box
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

Related products

144

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 106

High performance steel anchor



HVE02
p. 113

Sleeve anchor with nut



DXE03
p. 125

SDS-PLUS masonry drill



EO
p. 427

Pump for hole cleaning



DW
p. 168

AW 01

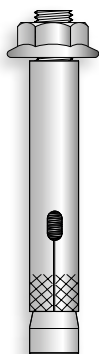
🇬🇧 **Sleeve anchor with flanged nut with serration, zinc plated**

🇫🇷 Cheville à douille zinguée avec écrou à embase moleté

🇩🇪 Verzinkter Hülseanker mit gerändelter Schraubenmutter mit Flansch

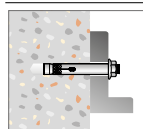
🇪🇸 Anclaje de camisa con tuerca rebordeada y estriada, de acero cincado

🇷🇺 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 15				
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 18				
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.

Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



EB 01

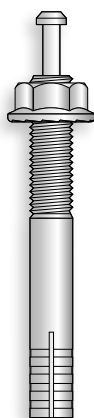
🇬🇧 **Zinc plated hit anchor with flanged nut**

🇫🇷 Barre d'ancrage en acier zingué à marteler, avec écrou à embase

🇩🇪 Verzinkter Anker zu hämmern und Schraubenmutter mit Flansch

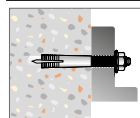
🇪🇸 Anclaje clavable con tuerca rebordeada, de acero cincado

🇷🇺 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 / 5	50	500
EB 01 06 060	6 x 60 / 20	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 15			
EB 01 10 060	10 x 60 / 5	50	500
EB 01 10 080	10 x 80 / 25	50	250
EB 01 10 100	10 x 100 / 45	50	250
EB 01 10 120	10 x 120 / 65	50	250
Ø 12 - AF 18			
EB 01 12 070	12 x 70 / 5	25	250
EB 01 12 090	12 x 90 / 25	25	250
EB 01 12 120	12 x 120 / 55	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.

Technical Data Sheet



DE 02 - DE 03

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)

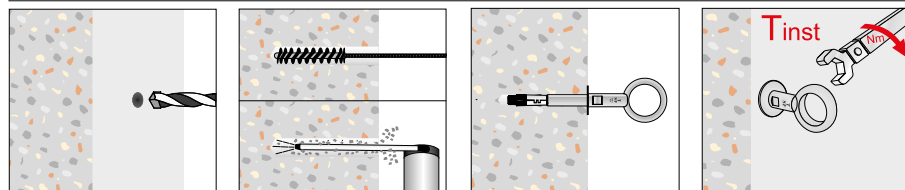
- Cheville en acier avec ailettes avec SER-GOLF®, le piton mâle forgé BREVETÉ pour les échafaudages appuyés par terre**
- Verzinkter Anker mit zwei Flügel mit SER-GOLF®, der PATENTIERT geschmiedene Augbolzen für Bodengerüste**
- Anclaje de acero con alas, montado con SER-GOLF®, la especial argolla PATENTADA 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
DE 02 - 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

Item code	Anchor size Ø x La (mm)	Eyebolt size M x Lg / L (mm)	Pcs. per carton
DE 03 - 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

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



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



Technical Data Sheet



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 Bodengerüste**
- 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

Related products

146

"L" welded steel pipe for scaffolding



Sleeve anchor with nut



Anchor with wings



A4 (AISI 316) S/S sleeve anchor with nut



Pump for hole cleaning



HD
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DX00
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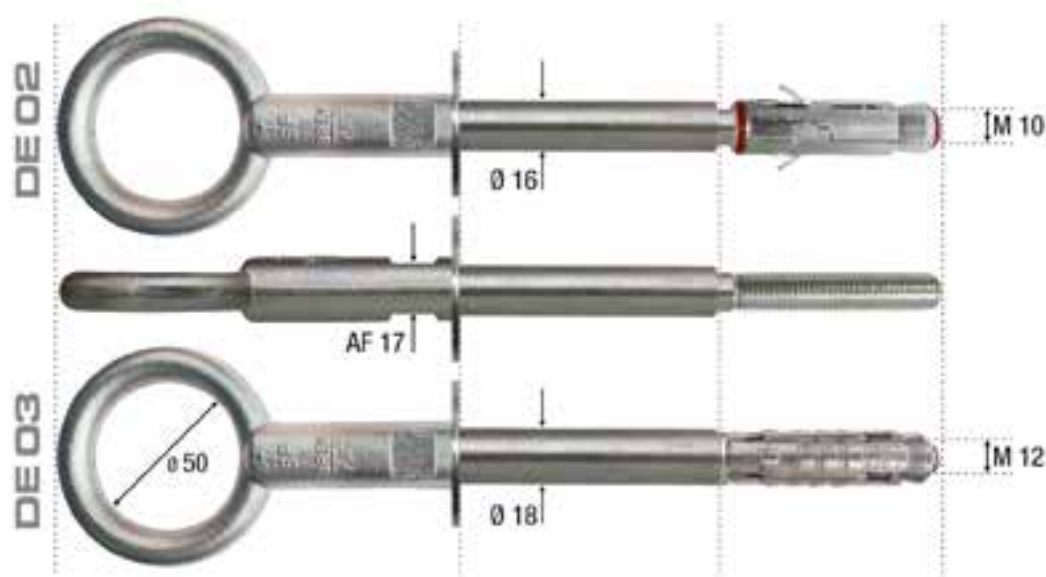
CP
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SerGOLF®

THE SPECIAL AND PATENTED HOT FORGED EYEBOLT
WITH TWO FLAT GROUNDED SURFACES (AF 17 MM)



SER-GOLF (PATENTED) - Special scaffolding fixing system for buildings, is provided with two flat grounded surfaces (AF 17 mm) for driving the steel anchor with torque wrench, avoiding eyebolt damages or anchor failures, and assuring a perfect fixing.



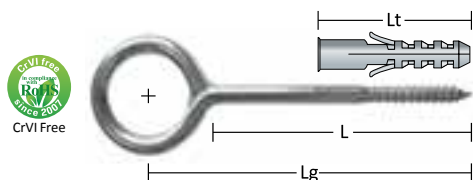
CE mark
in compliance with European Directive
RoHS 2 2011/65/EU



LQ - LS - LV

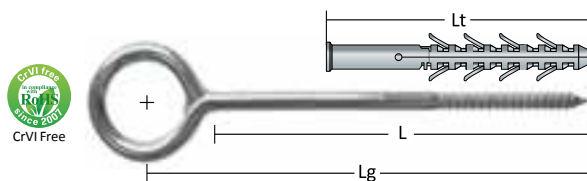
🇬🇧 Nylon anchor (Ø 14x100 mm) with a special welded eyebolt wood screw (eye Ø 50 mm) for scaffolding fixing to buildings (scaffolding must lean on the floor)

- 🇫🇷 Cheville en nylon (Ø 14x100 mm) avec piton à bois soudé (oeillet Ø 50 mm), pour les échafaudages appuyés par terre
- 🇩🇪 Nylandübel (Ø 14x100 mm) mit geschweißtem Augbolzen für Holz (Auge Ø 50 mm) für Bodengerüste
- 🇪🇸 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
- 🇷🇺 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 B комплекте с нейлоновым дюбелем Ø 16

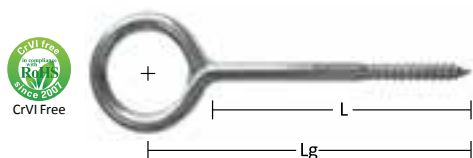


Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
Nylon Anchor 16 x 140				
LS 01 12 160	16 x 140	12 x 200 / 160	15	75
LS 01 12 200	16 x 140	12 x 240 / 200	15	75
Nylon Anchor 16 x 160				
LV 01 12 200	16 x 160	12 x 240 / 200	15	75

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 Bodengerüste
- 🇪🇸 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

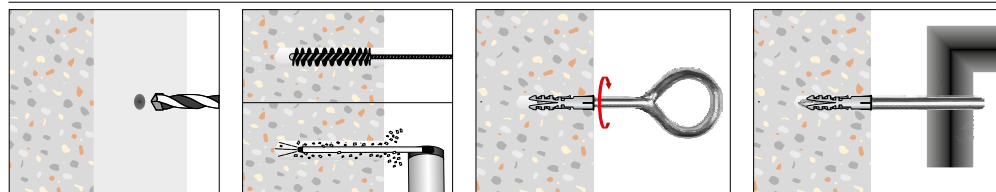


Item code	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
LL 01 12 140	12 x 140 / 100	25	75
LL 01 12 160	12 x 160 / 120	25	75
LL 01 12 200	12 x 200 / 160	20	60
LL 01 12 240	12 x 240 / 200	20	60

Technical Data Sheet

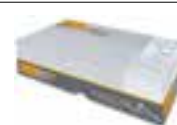


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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.

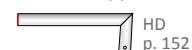
Box / Boîte / Verpackung / Caja / Упаковка



Related products

148

"L" welded steel pipe for scaffolding VZ-Handyplug® - Multi-purpose plugs



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VZ
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HH
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Pump for hole cleaning



DW
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LW 01

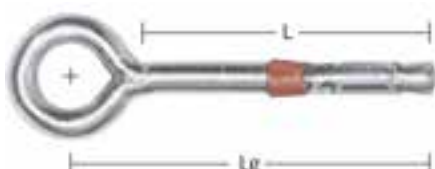
🇬🇧 **Steel anchor with welded eyebolt (eye Ø 22 mm), for scaffolding fixing to buildings (scaffolding must lean on the floor), zinc plated**

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

🇩🇪 Verzinkter Anker mit Augbolzen (Auge Ø 22 mm) für Bodengerüste

🇪🇸 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

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 Bodengerüste

🇪🇸 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

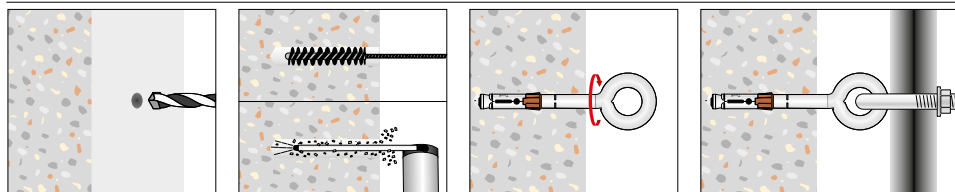


Item code	Eyebolt size M x Lg / L (mm)	Pcs. per box	Pcs. per carton
LM 01 12 135	M8 x 135 / 110	15	150
LM 01 12 185	M8 x 185 / 160	15	150
LM 01 12 215	M8 x 215 / 190	10	100

Technical Data Sheet

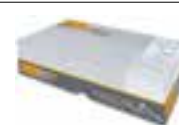


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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



Related products

"L" welded steel pipe for scaffolding



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p. 153

Round wire lock pin



FQ
p. 418

Sleeve anchor with nut



DX00
p. 126

Anchor with wings



CP
p. 132

Pump for hole cleaning



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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

 Nylandübel (Ø 14x100 mm) mit geschweißtem Augbolzen für Holz (Auge Ø 22 mm) für Bodengerüste

 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	50
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



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 Bodengerüste

 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



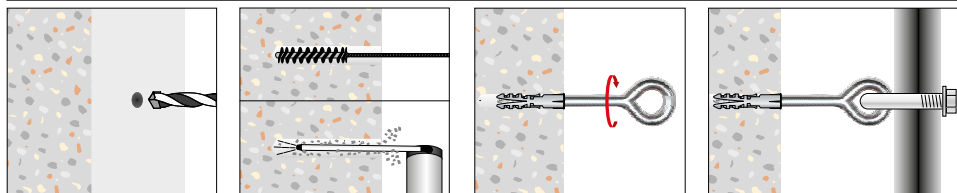
Item code	Eyebolt size Ø x Lg / L (mm)	Pcs. per box	Pcs. per carton
DD 01 12 120	12 x 145 / 120	25	125
DD 01 12 160	12 x 185 / 160	20	100
DD 01 12 190	12 x 215 / 190	20	100
DD 01 12 230	12 x 255 / 230	15	75
DD 01 12 300	12 x 325 / 300	15	45
DD 01 12 350	12 x 375 / 350	-	15
DD 01 12 450	12 x 475 / 450	-	15
DD 01 12 500	12 x 525 / 500	-	15



 Technical Data Sheet



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



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



Related products

150

VZ-Handyplug® - Multi-purpose plugs



VZ
p. 221

Nylon plugs



AX
p. 226

Round wire lock pin



FQ
p. 418

"L" welded steel pipe for scaffolding



HO
p. 153

Pump for hole cleaning

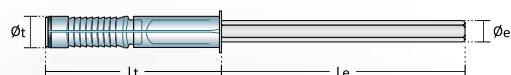


DW
p. 168

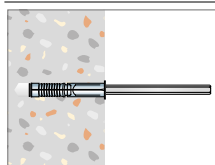
AL 01

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 Nyldübel
- Soporte hexagonal de acero cincado con taco de nylon, para la fijación de estantes
- Шестигранный стальной кронштейн с нейлоновым дюбелем для крепления полок



Usage / Utilisation / Benutzung / Uso / Применение



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

Item code	Anchor size Øt x Lt (mm)	Hex bracket size Øe x Le (mm)	Pcs. per box	Pcs. per carton
Hex bracket: AF 8				
AL 01 10 100	12 x 75	10 x 100	30	300
AL 01 10 120	12 x 75	10 x 120	30	300
AL 01 10 140	12 x 75	10 x 140	30	300
Hex bracket: AF 10				
AL 01 12 100	14 x 75	12 x 100	30	300
AL 01 12 140	14 x 75	12 x 140	30	150
AL 01 12 170	14 x 75	12 x 170	30	150
Hex bracket: AF 12				
AL 01 14 120	14 x 75	14 x 120	20	100
AL 01 14 140	14 x 75	14 x 140	20	100
AL 01 14 170	14 x 75	14 x 170	20	100

Also available in the PE blister bag

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

Also available in the PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



HD 03

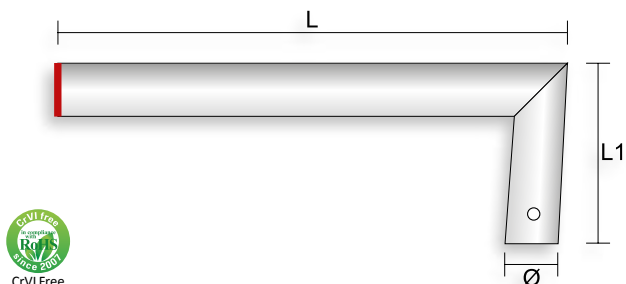
“L” welded steel pipe with safety hole, for connection eyebolt-scaffolding, zinc plated

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



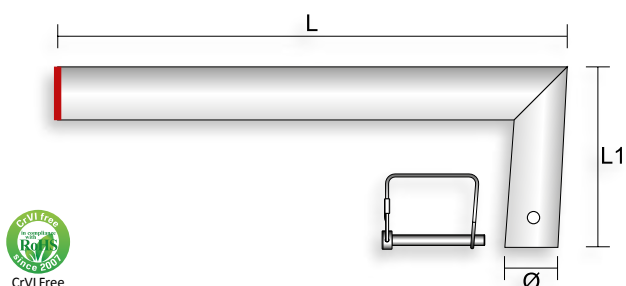
Item code	Size	Pcs. per carton
	$\varnothing \times L \times L1$	
HD 03 48 480	48 x 480 x 170	6

Technical Report 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.tecni.it “ETA and Technical report Download Area”)

Technical Report



HD 05 with Wire Lock Pin (FQ01) / avec trou de sécurité et broche de blocage (FQ01) / mit Lochsicherheit und Sperrstift (FQ01) / on 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

Usage / Utilisation / Benutzung / Uso / Применение



For the connection of floor placed scaffolding to the eyebolt (eye $\varnothing$ 50 mm, see item codes DE, DC, LQ, LS, LV, LL).
 Protection plastic cap included.

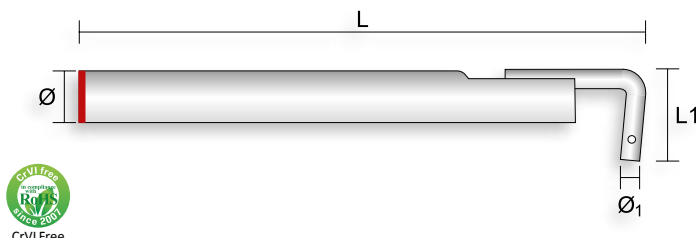
Related products



HO 03

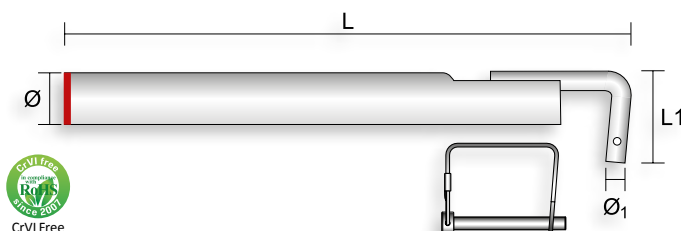
Steel pipe with welded hook and safety hole, for connection eyebolt-scaffolding, zinc plated

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



Item code	Size	Pcs. per carton
	$\varnothing \times L \times \varnothing_1 \times L1$	
HO 03 18 550	48 x 550 x 18 x 90	4

HO 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 blocante circular (FQ01) / В комплекте с соединителем с предохранителем (FQ01)



Item code	Size	Pcs. per carton
	$\varnothing \times L \times \varnothing_1 \times L1$	
HO 05 18 550	48 x 550 x 18 x 90	4

Usage / Utilisation / Benutzung / Uso / Применение



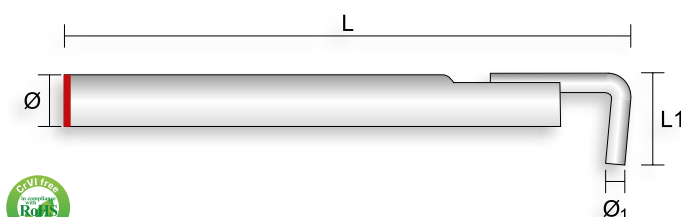
For the connection of floor placed scaffolding to the eyebolt (eye $\varnothing$ 23 mm, see item codes LW, LM, DF, DD). Protection plastic cap included.

HO 01

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

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

SWE01

SINTO-ST

Dual component Epoxy resin for heavy duty fixings, Certified ETA-CE Option 1, Option 7 and Performance Category C2 Under Seismic Action

 Résine époxy à deux composants pour fixations lourdes, avec certification ETE-CE Option 1, Option 7 et catégorie de performance C2 en zone sismique

 Doppelkomponent Epoxidharz für schwere Befestigungen, mit ETB-CE Zulassung Option 1, Option 7 und seismische Leistungskategorie C2

 Resina Epoxi bicomponente para fijaciones pesadas, Homologada ETA-CE Opción 1, Opción 7 y Categoría de prestación C2 para fijaciones en zonas sísmicas

 Двухкомпонентная эпоксидная смола. Сертифицирован ETA-CE Опция 1, Опция 7 и Категория C2 для сейсмических воздействий



SEISMIC FIXING SOLUTIONS

Item code	Contents ml	Pcs. per carton	Pcs. pallet
 SWE 01 00 470	470	12	624
 SWE 01 00 900	900	6	350

 **ETA-CE assessed item**

Article évalué par l'ETE-CE / ETB-CE bewerter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE

 **ETAG 001 - ANNEX E - Item assessed Under Seismic Action**

Article évalué en zone sismique / Artikel mit Bewertung von seismischer Leistungskategorie / Evaluación para fijaciones en zonas sísmicas / Одобрен для сейсмических воздействий

* **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)



European Technical Assessment
ETAG 001 - PART 1 and 5 and ANNEX E

OPTION 1: for cracked and non-cracked concrete
- Threaded rods M12-M24

OPTION 7: for non-cracked concrete
- Threaded rods M8-M30

Seismic assessment: performance category C2
- Threaded rods M16-M24

DoP available on www.tecfi.it/DoP



European Technical Assessment
ETAG 001 - PART 1 and 5 - TR023

Post-installed rebar connections
- Rebars Ø8-Ø32

DoP available on www.tecfi.it/DoP

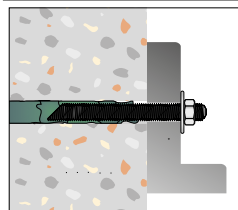


Usage / Utilisation / Benutzung / Uso / Применение



Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

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



Tecfi SWE01 Dual component Epoxy resin bonded anchor (injection type) achieved the **ETA-CE Option 1 Certification** for use in cracked and non-cracked concrete (M12 to M24 threaded rods only), the **ETA-CE Option 7 Certification** for use in non-cracked concrete (M8 to M30 threaded rods only), the **ETA-CE Certification for rebars** (Ø8 to Ø32) according to **ETAG 001-Part 1 and Part 5 - TR023**, and the **Performance Category C2 for use under seismic action** (M16 to M24 threaded rods only) according to **ETAG 001 - ANNEX E**.

Sinto 4700 ST-EE and Sinto 9000 ST-EE chemical anchors consist in a high bond strength, dual component pure epoxy chemical mortar, to be used on different base materials as concrete, solid masonry, wood.

This epoxy resin does not pre-stress the base material, and can be used in dry, wet and flooded holes (except for rebars installation).

Suitable for electric insulated fixing and hydrolysis resistant.

Sinto ST-EE chemical anchor does not need premixing, because the resin and the hardener are self-mixed in the nozzle during the extrusion.

Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.

 DoP



Declaration of Performance
Threaded Rods



Declaration of Performance
Rebars

Advantages:

- Certifications ETA-CE Option 1, Option 7, ETAG 001 - Part 1 and 5 - TR023
- **Performance Category C2 for use under seismic action according to ETAG 001 - ANNEX E**
- Long setting time for handling
- Excellent for applications with rebars
- Reduced anchors spacing and edge distance
- Easy and quick to use
- Thixotropic consistency

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade.
During winter, store the cartridges in a heated place.

CONCRETE TEMPERATURE: 0°C ÷ +30°C
(during the installation)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C
(environment temperature after the installation) -40°C ÷ +80°C with T_{0,max} long term temperature of +50°C

Related products

154

Threaded rods



LN - DA - DAT
p. 162

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve



FV - PM
p. 165

Professional guns



DH04 - DH05
p. 166

SINTO-ST[®]

CHEMICAL ANCHORS - ETA-CE CERTIFIED



SWE 01

Dual component
styrene free
Pure Epoxy resin



DGE 02

Dual component
styrene free
Vinyl ester resin

DGE 22

Dual component
styrene free
Vinyl ester resin



EHE 01

Dual component
Vinyl ester resin
In glass capsule



DGE 01

Dual component
styrene free
Polyester resin



DGE 00

Dual component
Polyester resin



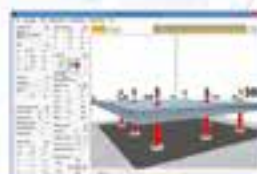
TADS DESIGN AND CHECK OF THE ANCHORAGES

TECFI ANCHOR DESIGN SOFTWARE

Free download on our website
www.tecfi.it



- ▶ Very easy-to-use, everything in one window
- ▶ Real time 3D graphics
- ▶ Multi languages interface
- ▶ Calculation up to 9 anchors with different geometries of the base plate
- ▶ Insertion depth optimization for chemical anchors
- ▶ Database and Software Live update
- ▶ Complete and clear calculation reports
- ▶ Check according to current European rules



DGE 02

SINTO-ST

Dual component Vinylester resin (styren free), Certified ETA-CE Option 1 and Option 7

 Résine vinylester à deux composants (sans styrene), avec certification ETE-CE Option 1 et Option 7

 Doppelkomponent Vinylesterharz (styrolfrei), mit ETB-CE Zulassung Option 1 und Option 7

 Resina Viniléster bicomponente (sin estireno), Homologada ETA-CE Opción 1 y Opción 7

 Двухкомпонентный состав из винилэстеровой смолы (без содержания стирола), с сертификатом ETA-CE Опция 1 и Опция 7



300 - 400 ml

345 ml

Item code	Contents ml	Pcs. per carton	Pcs. pallet
 DGE 02 00 300	300	15	1050
 DGE 02 00 345	345	15	1050
 DGE 02 00 400	400	12	840

 **ETA-CE assessed item**

Article évalué par l'ETE-CE / ETB-CE bewertet Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE

* **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)



European Technical Assessment
ETAG 001 - PART 1 and 5

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
ETAG 001 - PART 1 and 5 - TR023

Post-installed rebar connections
- Rebars Ø8-Ø32

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

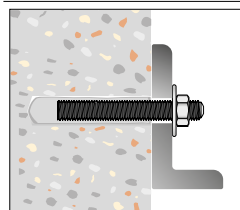


Usage / Utilisation / Benutzung / Uso / Применение



Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

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



Tecfi DGE02 Vinylester styrene free resin bonded anchor (injection type) achieved the **ETA-CE Option 1 Certification** for use in cracked and non-cracked concrete (M10 to M20 threaded rods only), the **ETA-CE Option 7 Certification** for use in non-cracked concrete (M8 to M24 threaded rods only), the **ETA-CE Certification for rebars** (Ø8 to Ø32) according to **ETAG 001-Part 1 and Part 5 - TR023**.

Sinto ST-VE chemical anchor consists in a high bond strength, dual component Vinylester styrene free chemical mortar, to be used on different base materials as concrete, solid masonry, wood.

This resin does not pre-stress the base material, and can be used in dry, wet and flooded holes (except for rebars installation).

Sinto ST-VE chemical anchor does not need premixing, because the resin and the hardener are self-mixed in the nozzle during the extrusion.

Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.

Advantages:

- Certifications ETA-CE Option 1, Option 7, ETAG 001 - Part 1 and Part 5 - TR023
- Excellent for applications with rebars
- Reduced anchors spacing and edge distance
- Easy and quick to use
- Thixotropic consistency

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade.
During winter, store the cartridges in a heated place.

CONCRETE TEMPERATURE: -10°C ÷ +40°C
(during the installation)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C
(environment temperature after the installation)
-40°C ÷ +80°C with T_{0,max} long term temperature of +50°C
-40°C ÷ +120°C with T_{0,max} long term temperature of +72°C

DoP



Declaration of Performance
Threaded Rods

DoP



Declaration of Performance
Rebars

Related products

156

Threaded rods



LN - DA - DAT
p. 162

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve



FV - PM
p. 165

Professional guns



DH01
p. 167

DGE 12 - DGE 22

SINTO-ST

🇬🇧 **Dual component Vinylester resin (styrene free) for LOW TEMPERATURE (DGE 12 - fast curing) and HIGH TEMPERATURE (DGE 22 - slow curing), Certified ETA-CE Option 1 and Option 7**

🇫🇷 Résine vinylester à deux composants (sans styrène) pour basses températures (DGE 12 - durcissement rapide) et hautes températures (DGE 22 - durcissement lent), avec certification ETE-CE Option 1 et Option 7.

🇩🇪 Doppelkomponent Vinylesterharz (styrolfrei) für Tieftemperaturanwendungen (DGE 12 - schnell härtend) und Hochtemperaturanwendungen (DGE 22 - langsam härtend), mit ETB-CE Zulassung Option 1 und Option 7

🇪🇸 Resina Viniléster bicomponente (sin estireno) para aplicaciones a bajas temperaturas (DGE 12 - curado rápido) y aplicaciones a temperaturas elevadas (DGE 22 - curado lento), Homologada ETA-CE Opción 1 y Opción 7

🇷🇺 Химический анкер для применения при низких температурах (DGE 12 - быстрое отверждение) и высоких температурах (DGE 22 - медленное отверждение). Двухкомпонентная винилэфирная смола (без стирола) с сертификатом ETA-CE Опция 1 и Опция 7



Item code	Contents ml	Pcs. per carton	Pcs. pallet
for LOW TEMPERATURE			
* 🌡️ DGE 12 00 400	400	12	840
for HIGH TEMPERATURE			
* 🌡️ DGE 22 00 400	400	12	840

🌡️ **ETA-CE assessed item**

Article évalué par l'ETE-CE / ETB-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE

* **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)



European Technical Assessment
ETAG 001 - PART 1 and 5 and ANNEX E

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

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

DoP available on www.tecfi.it/DoP



European Technical Assessment
ETAG 001 - PART 1 and 5 - TR023

Post-installed rebar connections
- Rebars Ø8-Ø32

DoP available on www.tecfi.it/DoP

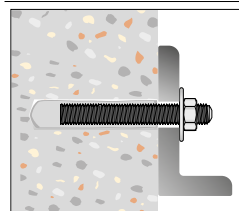


Usage / Utilisation / Benutzung / Uso / Применение



Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

How to use Sinto 4000 ST-VIEW, Sinto 4000 ST-VES chemical anchor and product details



DoP



Declaration of Performance
Threaded Rods



Declaration of Performance
Rebars

Sinto ST-VIEW and Sinto ST-VES chemical anchors consists in a high bond strength, dual component Vinylester styrene free chemical mortar, to be used on different base materials as concrete, solid masonry, wood.

Tecfi DGE12-DGE22 Vinylester styrene free resin bonded anchor (injection type), achieved the **ETA-CE Option 1 Certification** for use in cracked and non-cracked concrete (M10 to M20 threaded rods only), the **ETA-CE Option 7 Certification** for use in non-cracked concrete (M8 to M24 threaded rods only), the **ETA-CE Certification for rebars (Ø8 to Ø32) according to ETAG 001-Part 1 and Part 5 - TR023**. The special, **low VOC (A+ classification)**, Styrene-free formulation allow the use of those resin also in indoor environment; Tested according to **LEED EQ-4.1**. For installation in hollow and perforated masonry (not included in the ETA assessment), a plastic sleeve (item code FV) is needed. This chemical mortar can be also used in wet concrete and flooded holes (no seawater); Approved installation also for concrete temperature between **-20°C and +20°C** for the fast curing version (Sinto ST-VIEW DGE12), and for concrete temperature between +20°C and +50°C for the slow curing version (Sinto ST-VES DGE22).

The Vinylester resin can also be used as a filler mortar; thanks to its high bond strength and voids filling capacity, this special chemical mortar allow the execution of safety, stress-free anchorages, also close to the edges or with reduced spacing or concrete thickness. Sinto ST-VIEW and Sinto ST-VES chemical anchors does not need premixing, because the resin and the hardener are self-mixed in the nozzle during the extrusion.

Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.

Advantages:

- Certifications ETA-CE Option 1, Option 7, ETAG 001 - Part 1 and Part 5 - TR023
- Special slow curing (DGE22) and fast curing (DGE12) formulation
- Excellent for applications with rebars
- Reduced anchors spacing and edge distance
- Easy and quick to use

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade. During winter, store the cartridges in a heated place.

CONCRETE TEMPERATURE: -20°C ÷ +20°C DGE12 (fast curing for low temperature)
(during the installation) +20°C ÷ +50°C DGE22 (slow curing for high temperature)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C
(environment temperature after the installation) -40°C ÷ +80°C with T_{0,max} long term temperature of +50°C
-40°C ÷ +120°C with T_{0,max} long term temperature of +72°C

Related products

Threaded rods



LN - DA - DAT
p. 162

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve



FV - PM
p. 165

Professional guns



DH01
p. 167

DGE 01

SINTO-ST

Dual component Polyester resin (styren free), Certified ETA-CE Option 7

 Résine polyester à deux composants (sans styrene), avec certification ETE-CE Option 7

 Doppelkomponent Polyesterharz (styrolfrei), mit ETB-CE Zulassung Option 7

 Resina poliéster bicomponente (sin estireno), Homologada ETA-CE Opción 7

 Двухкомпонентный состав из полиэфировой смолы (без содержания стирола), с сертификатом ETA-CE Опция 7



Item code	Contents ml	Pcs. per carton	Pcs. pallet
 DGE 01 00 300	300	15	1050
 DGE 01 00 400	400	12	840
 ETA-CE Certification / Agrément technique européen ETE-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE			



European Technical Assessment
ETAG 001 - PART 1 and 5

OPTION 7: for non-cracked concrete
- Threaded rods M8-M16

DoP available on www.tecfi.it/DoP



European Technical Assessment
ETAG 029 - use category: b,c & w/d

- Threaded rods M8-M12

DoP available on www.tecfi.it/DoP

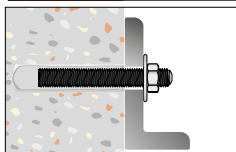
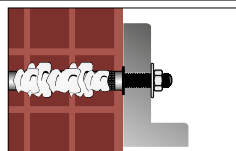


Usage / Utilisation / Benutzung / Uso / Применение



Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

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



DoP



Declaration of Performance
Concrete



Declaration of Performance
Masonry

Tecfi DGE01 Styrene-free Polyester resin bonded anchor (injection type), achieved the **ETA-CE Certification Option 7**, for use in non cracked concrete, size M8-M16 and for use in **solid and hollow masonry** (use category b and c), size M8-M12; Sinto 3000 ST-PES, Sinto 4000 ST-PES DGE01 chemical anchor is certified for both concrete and masonry.

Chemical anchor DGE01 consists in a dual component, styrene free polyester based chemical mortar; the load-bearing capacity is due to the interaction of the rod, the chemical mortar and the base material (it can be used on different base materials as concrete, solid masonry, wood). This resin does not pre-stress the base material, allow for anchorages with reduced edge distances and minimum spacing.

The special, low **VOC (A+ classification)** formulation allow the use of those resin also in indoor environment; tested according to **LEED EQ-4.1**.

The polyester resin DGE01 can also be used in dry and wet concrete; the installation is certified in the temperature range 0°C - +30°C; Sinto ST-PE DGE01 chemical anchor does not need premixing, because the resin and the hardener are self-mixed in the nozzle during the extrusion.

Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.

Advantages:

- Certifications ETA-CE Option 7, ETAG001 part 1 and part 5 and use category b and c, ETAG029
- Chemical anchor with double certification, for concrete and masonry
- Reduced anchors spacing and edge distance
- No shrinkage after curing
- Easy and quick to use

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade.
During winter, store the cartridges in a heated place.

BASE MATERIAL TEMPERATURE: 0°C ÷ +30°C
(during the installation)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C
(environment temperature after the installation) -40°C ÷ +50°C with T_{0,max} long term temperature of +40°C

Related products

158

Threaded rods



LN - DA - DAT
p. 162

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve



FV - PM
p. 165

Professional guns



DH01
p. 167

Dual component Polyester resin, Certified ETA-CE

Resine polyester à deux composants, avec certification ETE-CE

Doppelkomponent Polyesterharz, mit ETB-CE Zulassung

Resina poliéster bicomponente, Homologada ETA-CE

Двухкомпонентный состав из полиэфировой смолы, с сертификатом ETA-CE



Item code	Contents ml	Pcs. per carton	Pcs. pallet
DGE 00 00 300	300	15	1260
DGE 00 00 400	400	12	1008

ETA-CE assessed item

Article évalué par l'ETE-CE / ETB-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE



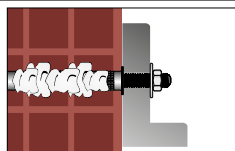
European Technical Assessment

ETAG 029 - use category: b,c & w/d

DoP available on www.tecni.it/DoP



How to use Sinto 4000 ST-VEW, Sinto 4000 ST-VES chemical anchor and product details

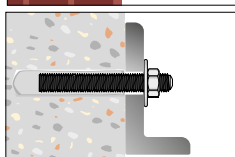


Tecfi DGE00 Polyester resin bonded anchor (injection type), achieved the **ETA-CE Certification** for use in solid masonry (use category b,c & w/d) and hollow or perforated masonry (use category c).

Sinto 3000 ST-PES, Sinto 4000 ST-PES chemical anchor consists in a dual component polyester based chemical mortar; the load-bearing capacity is due to the interaction of the rod, the chemical mortar and the base material (it can be used on different base materials as concrete, solid masonry, hollow masonry). This resin does not pre-stress the base material, allow for anchorages with reduced edge distances and minimum spacing.

The special, **low VOC (A+ classification)** formulation allow the use of those resin also in indoor environment; tested according to **LEED EQ-4.1**.

The polyester resin DGE00 can also be used in dry and wet concrete (not included in the ETA assessment); Sinto ST-PES DGE00 chemical anchor does not need premixing, because the resin and the hardener are self-mixed in the nozzle during the extrusion. Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.



Advantages:

- Certifications ETA-CE for solid and hollow masonry (use category b and c), ETAG029
- Reduced anchors spacing and edge distance
- Easy and quick to use



Declaration of Performance
Masonry

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade.
During winter, store the cartridges in a heated place.

BASE MATERIAL TEMPERATURE: -5°C ÷ +35°C
(during the installation)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T₀, max long term temperature of +24°C
(environment temperature after the installation) -40°C ÷ +80°C with T₀, max long term temperature of +50°C


Dual component Vinylester resin in glass capsule, Certified ETA-CE Option 7

Résine vinylester à deux composants dans capsules de verre, certifiée ETE-CE Option 7

Doppelkomponent Vinylesterharz in Glaskapsel, mit ETA-CE Zulassung Option 7

Resina Viniléster bicomponente en cápsula, Homologada ETA-CE Opción 7

Двухкомпонентная винилэстеровая смола, в стеклянной капсуле, сертифицированная ETA-CE Оп. 7



Item code	Stud size M	Glass capsule size Ø x L	Hole size Ø x L	Pcs. per box	Pcs. per carton
EHE 01 08 080	M8	9 x 80	10 x 80	10	500
EHE 01 10 080	M10	11 x 80	12 x 90	10	500
EHE 01 12 095	M12	13 x 95	14 x 110	10	500
EHE 01 12 125	M12	13 x 125	14 x 165	10	500
EHE 01 16 095	M16	17 x 95	18 x 125	10	200
EHE 01 16 125	M16	17 x 125	18 x 190	10	200
EHE 01 20 160	M20	17 x 160	22 x 170	10	100
EHE 01 20 250	M20	17 x 250	22 x 255	10	100
EHE 01 24 175	M24	22 x 175	26 x 210	10	100
EHE 01 24 245	M24	22 x 245	26 x 315	5	50
EHE 01 30 230	M30	25 x 230	32 x 280	5	50

Glass capsule for M14 stud (EHE 01 14 095) and M22 stud (EHE 01 22 160) available on request


 European Technical Assessment
 ETAG 001 - PART 1 and 5

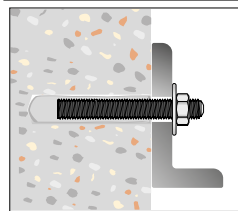
OPTION 7: for non-cracked concrete
 - Threaded rods M8-M30

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

Usage / Utilisation / Benutzung / Uso / Применение


 Item included in **TADS - Tecfi Anchor Design Software** for computer aided design of Anchorage.

How to use Sinto Sinto ST-EHE chemical anchor and product details



Tecfi EHE Vinylester resin bonded anchor in glass capsule, achieved the **ETA-CE Option 7 Certification** for use in non-cracked concrete (M8 to M30 threaded rods only **according to ETAG 001-Part 1 and Part 5**). The special, **low VOC (A+ classification)** formulation allow the use of those resin also in indoor environment; this chemical anchor in glass capsule can be installed also in wet concrete. Installation temperature between -5°C and +30°C.

Thanks to its high bond strength and voids filling capacity, this special chemical mortar allow the execution of safety, stress-free anchorages, also close to the edges or with reduced spacing or concrete thickness.

The EHE chemical anchor in glass capsule do not require mixing, just insert the glass capsule and then the threaded rod will break the capsule and mix resin and hardener (insert rod as required by included MPII).

Pre-sized capsule: no waste

Advantages:

- Certification ETA-CE Option 7, ETAG 001 - Part 1 and Part 5
- High loading
- No shrinkage after curing
- Reduced anchors spacing and edge distance
- Pre-sized capsule: no waste
- High service temperature (up to 80°C)

DoP


 Declaration of Performance
 Threaded Rods

STORAGE: The cartridge must be kept in a dry, fresh place between +5°C and +30°C, possibly in the shade.
 During winter, store the cartridges in a heated place.

CONCRETE TEMPERATURE: -5°C ÷ +30°C
 (during the installation)

SERVICE TEMPERATURE: -40°C ÷ +40°C with T_{0,max} long term temperature +24°C
 (environment temperature after the installation) -40°C ÷ +80°C with T_{0,max} long term temperature +50°C

DAF 02

Hex shank chemical anchor stud, double 45° cut, 5.8 grade, with nut and washer, zinc plated, nutsetter included

- Tige filetée avec entraînement hexagonal, avec double tranchant de 45°, classe 5.8, avec écrou et rondelle, en acier zinguée, serre-écrou inclus
- Sechskantschaft mit chemischen Dübelbolzen, Doppel 45° Schnitt, Klasse 5.8, mit Mutter und Unterlegscheibe, verzinkt, inklusive Hülse
- Espárrago para anclaje químico con vástago hexagonal de clase 5.8, doble ángulo 45°, con tuerca hexagonal y arandela, de acero cincado, boca incluida
- Оцинкованный резьбовый стержень для химической анкеровки под двойным углом в 45° класса 5.8 с гайкой и шайбой, в комплекте с шестиганной насадкой



Item code	Size M x L (mm)	Effective embedment depth hef (mm)	Hex shank AF (mm)	Pcs. per box	Pcs. per carton
DAF 02 08 110	M8 x 110	80	5	10	200
DAF 02 10 130	M10 x 130	90	7	10	200
DAF 02 12 160	M12 x 160	110	8	10	100
DAF 02 12 220	M12 x 220	165	8	10	100
DAF 02 16 190	M16 x 190	125	12	10	60
DAF 02 16 260	M16 x 260	190	12	10	60
DAF 02 20 260	M20 x 260	170	12	10	30
DAF 02 24 300	M24 x 300	210	13	5	10
DAF 02 30 380	M30 x 380	280	13	5	10

Hot dip galvanized available on request (item code DAF 22)



Description / Description / Beschreibung / Descripción / Описание
Chemical anchor stud with Hex shank, double 45° cut and mark for embedment, in steel 5.8 grade, with nut and washer, zinc plated, nutsetter included.
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

One nutsetter free per box



Nutsetter

DAF 72

Hex shank chemical anchor stud, double 45° cut, in A4-70 (AISI 316) stainless steel, with nut and washer, nutsetter included

- Tige filetée avec entraînement hexagonal, avec double tranchant de 45°, en A4-70 (AISI 316) en acier inox, avec écrous et rondelle, serre-écrou
- Sechskantschaft mit chemischen Dübelbolzen, Doppel 45° Schnitt, in A4-70 (AISI 316) aus Edelstahl, mit Mutter und Unterlegscheibe, Hülse
- Espárrago para anclaje químico con vástago hexagonal, doble ángulo 45°, con tuerca hexagonal y arandela, de acero inoxidable A4-70 (AISI 316), boca incluida
- Резьбовый стержень для химической анкеровки под двойным углом в 45° из нержавеющей стали A4-70 (AISI 316) с гайкой и шайбой, в комплекте с шестиганной насадкой



Item code	Size M x L (mm)	Effective embedment depth hef (mm)	Hex shank AF (mm)	Pcs. per box	Pcs. per carton
DAF 72 08 110	M8 x 110	80	5	10	200
DAF 72 10 130	M10 x 130	90	7	10	200
DAF 72 12 160	M12 x 160	110	8	10	100
DAF 72 16 190	M16 x 190	125	12	10	60
DAF 72 20 260	M20 x 260	170	12	5	30
DAF 72 24 300	M24 x 300	210	13	5	10
DAF 72 30 380	M30 x 380	280	13	5	10

A2-70 (AISI 316) stainless steel available on request (without hex shank only, item code DBF 52)

HCR 1.4529 or 1.4565 property class 70 stainless steel available on request (without hex shank only, item code DBF 92)



Description / Description / Beschreibung / Descripción / Описание
Chemical anchor stud with Hex shank, double 45° cut and mark for embedment, in A4 (AISI 316) stainless steel, property class 70, with nut and washer, nutsetter included.
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

One nutsetter free per box

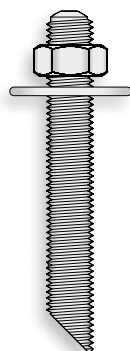


Nutsetter

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 chemische 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 резьбовый 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



Technical Data Sheet



Description / Description / Beschreibung / Descripción / Описание
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

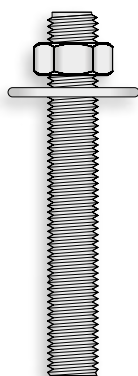
Box / Boîte / Verpackung / Caja / Упаковка



DA 02

DIN 976-1/A Metric thread stud bolt, flat ends, 5.8 grade, with nut and washer, zinc plated

-  DIN 976-1/A Tige filetée classe 5.8 à extrémité plate, avec écrou hexagonal et rondelle, en acier zingué
-  DIN 976-1/A Metrischer Gewindebolzen, flache Enden, Klasse 5.8, mit Mutter und Unterlegscheibe, verzinkt
-  DIN 976-1/A - Espárrago para anclaje químico, clase 5.8, con tuerca hexagonal y arandela, de acero cincado
-  DIN 976-1/A оцинкованный метрический резьбовой стержень, с плоскими краями, класса 5.8 с гайкой и шайбой



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
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 stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока



Description / Description / Beschreibung / Descripción / Описание
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

Box / Boîte / Verpackung / Caja / Упаковка



Related products

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Chemical anchors



SWE - DGE
p. 154

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve

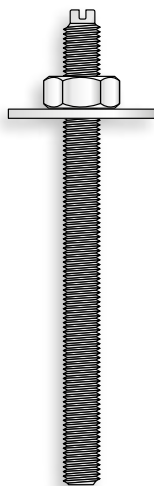


FV - PM
p. 165

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 резьбовый стержень класса 8.8 с шестигранной гайкой и шайбой



CrVI Free



European Technical Assessment



Anchor Design Software

Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M6 - AF 10			
DAT 02 06 060	M6 x 60	100	1.000
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 08 075	M8 x 75	50	500
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 10 095	M10 x 95	25	250
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 12 120	M12 x 120	25	125
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

Description / Description / Beschreibung / Descripción / Описание
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

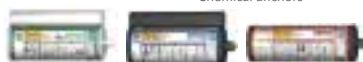
Also available in the PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



Related products

Chemical anchors



SWE - DGE
p. 154

Zinc plated steel threaded rod



BF
p. 396

Zinc plated steel bush



FZ
p. 165

Plastic sleeve



FV - PM
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CV 01 - CU 01

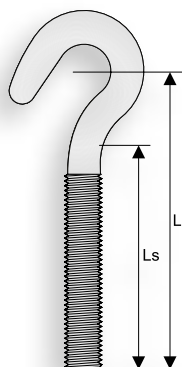
CV 01 - Steel hook screw, zinc plated

CV 01 - Crochet rond en acier zingué

CV 01 - Verzinkte Rundhaken

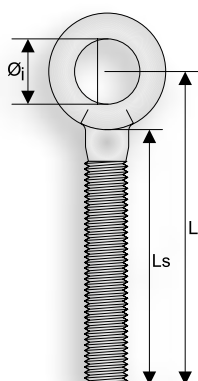
CV 01 - Gancho de acero cincado

CV 01 - Оцинкованный крюк



Item code	Size	Pcs. per box	Pcs. per carton
	M x L x Ls		
CV 01 06 055	M6 x 65 x 55	100	1.000
CV 01 08 065	M8 x 85 x 65	50	500
CV 01 10 081	M10 x 100 x 81	25	250
CV 01 12 098	M12 x 125 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	Pcs. per box	Pcs. per carton
	M x L x L / Øi (mm)		
CU 01 06 055	M6 x 65 x 55 / 10	100	1.000
CU 01 08 065	M8 x 75 x 65 / 11,5	50	500
CU 01 10 081	M10 x 95 x 81 / 14	25	250
CU 01 12 098	M12 x 115 x 98 / 17	15	150

Box / Boîte / Verpackung / Caja / Упаковка



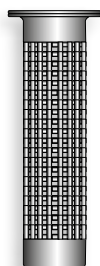
Related products



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 Ø x L (mm)	Hole Ø (mm)	Hole depth L (mm)	Suitable for accessories M, Ø	Pcs. per box	Pcs. per carton
FV 01 12 045	12 x 45	12	50	6 ÷ 8	25	250
FV 01 12 060	12 x 60	12	65	6 ÷ 8	25	250
★ FV 01 12 080	12 x 80	12	90	6 ÷ 8	25	250
★ FV 01 15 085	15 x 85	15	95	8 ÷ 10	25	250
FV 01 15 130	15 x 130	15	140	8 ÷ 10	25	250
★ FV 01 20 085	20 x 85	20	95	10 ÷ 12	25	250

★ ETA-CE assessed item

Article évalué par l'ETEC-CE / ETB-CE bewertet Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE



Description / Description / Beschreibung / Descripción / Описание
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

Box / Boîte / Verpackung / Caja / Упаковка

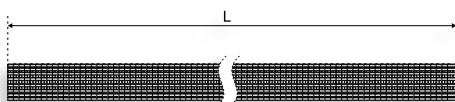
Also available in the PE blister bag



PM 01

Zinc plated steel holed sleeve for hollow base materials with chemical anchors

- Manchon en acier zingué pour fixation chimique sur matériaux creux, longueur 1 mt
- Verzinkte Siebhülse für chemische Befestigung auf Hochloch-Baustoffe, 1 Meter lang
- Tamiz metálico en malla longitud 1 metro, para anclajes químicos
- Оцинкованная сетчатая гильза 1м для крепления химических анкеров в пустотелых материалах



Item code	Hole (mm)	Size sleeve nom. Ø x L (mm)	Suitable for accessories M, Ø	Pcs. per box
PM 01 12 100	12	10 x 1.000	6 ÷ 8	15
PM 01 16 100	16	14 x 1.000	8 ÷ 10	10
PM 01 22 100	22	20 x 1.000	12 ÷ 16	5
PM 01 30 100	30	28 x 1.000	16 ÷ 22	2

FZ 01

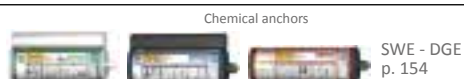
Zinc plated steel bush with internal thread, for chemical anchor

- 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



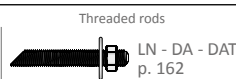
Item code	Size Ø x L (mm)	Internal thread M	Pcs. per box	Pcs. per carton
FZ 01 06 048	8 x 48	M6	25	250
FZ 01 08 083	12 x 80	M8	25	250
FZ 01 10 083	14 x 80	M10	25	250
FZ 01 12 083	16 x 80	M12	25	250

Related products



Chemical anchors

SWE - DGE
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Threaded rods

LN - DA - DAT
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Zinc plated steel screws

CV - CU
p. 164

DH 04

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 Shuttle



Item code	Suitable for cartridges of: ml	Pcs. per box
* DH 04 00 400	400	1
DH 04 00 470	400 - 470	1

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

DH 05

Professional pneumatic hand guns 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 Shuttle



Item code	Suitable for cartridges of: ml	Pcs. per carton
* DH 05 00 470	470	1
* DH 05 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)



Related products

Chemical anchors



SWE - DGE
p. 154

DH 01

Professional hand guns for SINTO dual component resin range, sealants and adhesive

- 🇫🇷 Pistolet professionnel manuel pour résine à deux composants
- 🇩🇪 Professionelle Handpistole für doppelkomponent Harz
- 🇪🇸 Pistola manual profesional para resinas bicomponentes Sinto
- 🇷🇺 Профессиональный ручной пистолет для инъекционных составов SINTO



to be used with:
COAXIAL CARTRIDGES



DH 01 01 300



to be used with:
COAXIAL CARTRIDGES
SHUTTLE CARTRIDGES (345 ml)



DH 01 00 345



to be used with:
COAXIAL CARTRIDGES



DH 01 00 400

Item code	Suitable for cartridges of: ml	Pcs. per box
DH 01 01 300	150 - 165 - 280 - 290 - 300 - 310	4
DH 01 00 345	150 - 165 - 300 - 345	4
DH 01 00 400	380 - 400	4

DH 03

Professional pneumatic hand gun for SINTO dual component resin range, coaxial cartridge type

- 🇫🇷 Pistolet pneumatique professionnel pour résine bi-composant SINTO, type de cartouche coaxiale
- 🇩🇪 Professionelle Druckluft- Handpistole für SINTO Doppelkomponent Harz, koaxialer Kartuschentyp
- 🇪🇸 Pistola profesional neumática para cartuchos coaxiales de resinas bicomponentes Sinto
- 🇷🇺 Профессиональный ручной пистолет для SINTO, для коаксиальных картриджей



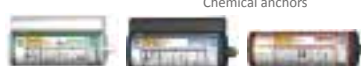
to be used with:
COAXIAL CARTRIDGES



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)

Related products



SWE - DGE
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DW 01

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	Volume cm ³	Pcs. per box
DW 01 00 001	500	4

Box / Boîte / Verpackung / Caja / Упаковка



DI

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

-  Mélangeur universel pour cartouche de résine bi-composant
-  Universal- Mischer für doppelkomponent Harzkartusche
-  Mezclador universal para resina bicomponente
-  Универсальный смеситель для двухкомпонентный инъекционный состав



DI 01



DI 02

Item code	Length (mm)	Helix length (mm)	Suitable for cartridges of: ml	Pcs. per box
DI 01 00 400	215	70	300 - 345 - 380 - 400 - 900	30
DI 02 00 400	215	130	300 - 345 - 380 - 400 - 900	24

Box / Boîte / Verpackung / Caja / Упаковка



Related products

Chemical anchors



SWE - DGE
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MAC 01

Pull-out test machine, tensile capacity 100 kN, with digital display and hanging accessories, in carrying cases

Machine pour extraction, avec une capacité de 100 kN, écran digital et accessoires d'adhérence dans le cas où elle doit être transportée

Maschine für Extraktionsprüfung, Leistungsfähigkeit 100 kN, mit Digitaldisplay und Prüfzubehör in Handkoffer

Máquina de extracción, capacidad 100 kN, con pantalla digital y accesorios, en maletín

Тестовый домкрат для проведения натурных испытаний анкеров на вырыв до 100 кН, с цифровым дисплеем, аксессуарами, чехлом и контейнером для его переноски



Item code	Tensile capacity (kN)	Pcs. per carton
MAC 01 00 100 *	100	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)

Description / Description / Beschreibung / Descripción / Описание

Pull-out test machine, tensile capacity 100 kN, with digital display, carrying cases and following accessories:

1) Anchor hanging accessories:

- Shouldered rings with threaded holes M10, M12, M16 and M20;
- Shouldered ring with slotted hole open on one side with diameters 10, 12, 16 and 20;
- Shouldered ring with threaded pin diameters M10, M12, M16 and M20.

2) Special accessories for testing of eyebolt, lifting bolt, scaffolding rings:

- Fork joint and pin;
- Extra-long feet.

MAC 02 ^{New}

Hydraulic Pull-out tester kit, tensile capacity 50 kN with digital gauge and accessories, in carrying case

Machine hydraulique pour essais d'extraction, avec une capacité de 50kN, écran digital et accessoires, en mallette

Hydraulikmaschine für Extraktionsprüfung, Leistungsfähigkeit 50 kN, mit Digitaldisplay und Prüfzubehör in Handkoffer

Máquina hidráulica de extracción, capacidad 50kN, con pantalla digital y accesorios, en maletín

Гидравлический тестовый домкрат для проведения натурных испытаний анкеров на вырыв до 50кН, с цифровым дисплеем, аксессуарами, чехлом и контейнером для его переноски



Item code	Tensile capacity (kN)	Pcs. per carton
MAC 02 00 050*	50	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)

Description / Description / Beschreibung / Descripción / Описание

Manual Hydraulic pull out testing machine, tensile capacity 50 kN, with aluminium frame and digital calibrated gauge, in foam filled plastic carrying case.

With the following accessories:

1) adaptors for anchors

- threaded button adaptors M10 ed M12;
- threaded stud adaptors M16, M20 ed M24;
- slotted button adaptors, diameters 6, 8, 10 e 12.

2) tools and accessories for maintenance.

