











































































































 HXE-CONCRETO® - Concrete screws, ETA Approved	<ul style="list-style-type: none">  Concreto® - Vis à béton avec ETA-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	<ul style="list-style-type: none">  HVE ROCK® - Cheville pour charges lourdes avec ETA-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 	118
	 DSE - Sleeve anchors, ETA Approved	<ul style="list-style-type: none">  DSE - Cheville à douille avec ETA-CE  DSE - Hülsenanker mit ETA-CE Zulassung  DSE - Anclajes plancha envuelta, homologados ETA-CE  DSE - Стальные анкеры, с допуском ETA-CE 	122
	 DS - LZ - Sleeve anchors	<ul style="list-style-type: none">  DS - Cheville à douille avec cône fixe  DS - Hülsenanker mit festem Konus  DS - Anclajes plancha envuelta  DS - Стальные втулочные анкеры 	126
	 DXE - Sleeve anchors with nut, ETA Approved	<ul style="list-style-type: none">  DXE - Cheville à douille avec cône fixe avec ETA-CE  DXE - Hülsenanker 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 	130
	 DX - Sleeve anchors with nut	<ul style="list-style-type: none">  DX - Cheville à douille avec cône fixe  DX - Hülsenanker mit festem Konus  DX - Anclajes plancha envuelta con cono enganchado  DX - Стальные втулочные анкеры 	132
	 Steel anchors with wings	<ul style="list-style-type: none">  Cheville à douille avec ailettes  Hülsenanker mit Flügel  Anclajes con alas  Стальные втулочные анкеры с блокировочными усам 	138
	 AJE- ZJE - Wedge anchors, ETA Approved	<ul style="list-style-type: none">  Barres d'ancrage  Anker  Anclajes machos  Анкерные болты 	140
	 Drop-in anchors, ETA Approved	<ul style="list-style-type: none">  Cheville avec cône d'expansion interieur  Dübel mit Innenkonus  Anclaje hembra con cono interior  Забивные анкеры 	150
	 Anchors with flanged nut	<ul style="list-style-type: none">  Cheville avec écrou à embase moleté  Hülsenanker mit gerändelter mit Flansch  Anclaje de camisa con tuerca estriada 	152
	 Eyebolts for scaffolding fixing	<ul style="list-style-type: none">  Piton pour échafaudages  Augbolzen für Gerüste  Argollas para fijación de andamios  Рым-болты для крепления строительных лесов 	153
	 Anchor with curved hook machine screw for anti-falling safety ropes	<ul style="list-style-type: none">  Cheville avec un crochet à courbe pour cordes, câbles  Hülsenanker mit doppelt gebogenem Haken für Seile und Netze  Anclaje con gancho especial de curva de acero para cuerdas y redes  Анкер из листового с изогнутым крюком для канатов и сетей 	159
	 HDPE hole-covering plug (cap) with cross thorns	<ul style="list-style-type: none">  Bouchon obturateur pour trou en HDPE  Hülse für Lochabdeckung in HDPE  Tapón de HDPE para agujeros  Заглушка отверстия из ПЭВП с крестообразными шипами 	162
	 Hexagonal steel brackets	<ul style="list-style-type: none">  Support hexagonal pour consoles  Sechskanthalter für Konsole  Soporte hexagonal  Шестигранные стальные кронштейны 	163
	 Knurled brass anchor	<ul style="list-style-type: none">  Cheville en laiton moletée  Gerändelter Dübel aus Messing  Taco de latón  Забивной латунный анкер 	163
	 Steel pipes for connection eyebolt-scaffolding	<ul style="list-style-type: none">  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 	164
	 Chemical fixings, ETA Approved	<ul style="list-style-type: none">  Fixations chimiques  Chemische Befestigungen  Fijaciones químicas  Химические анкеры 	169
	 Chemical anchors stud with nut and washer, ETA Approved	<ul style="list-style-type: none">  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 	176
	 Hook and Eye machine screws	<ul style="list-style-type: none">  Vis oeillet et crochet rond  Augenschraube und Rundhaken  Gancho y argolla  Кольцо и крюк с резьбой 	179
	 Chemical fixing accessories , ETA Approved (hand guns and sleeves)	<ul style="list-style-type: none">  Accessoires pour Fixations chimiques  Zubehör für chemische Befestigung  Accesorios para fijaciones químicas  Аксессуары для химической анкеровки 	180

Heavy duty fixing systems

 Systèmes pour fixation lourde

 Schwere Befestigungssysteme

 Sistemas para fijaciones pesadas

 Крепежные системы для тяжелых конструкций

CONCRETO[®]

THE CONCRETE SCREW

PATENTED CONCRETE SCREW ANCHORS
ETA-CE CERTIFIED



CONCRETO[®] ADVANTAGES

COMPARED TO CONVENTIONAL TORQUE CONTROLLED STEEL ANCHORS

- 30%** Edge distance and spacing between anchors
- +35%** Characteristic Pull-out load
- +30%** Characteristic Shear load



CONCRETO[®]
Screw



TRADITIONAL
STEEL ANCHOR

- ✓ Quick, easy and safe installation, without torque control
- ✓ Fixing can be completely removed
- ✓ Direct fastening on concrete without plug
- ✓ Undercut anchor
- ✓ Guaranteed installation in proximity of rebars as well
- ✓ Well performing even with reduced embedment depth

Made in Italy



DISCOVER THE **NEWEST** CONCRETO RANGE

- ✓ New screw heads and new sizes
- ✓ New embedment depths
- ✓ New coatings and new materials
- ✓ New certification, for non-structural fixings as well
- ✓ New certification, for fixings in hollow slab as well

Available in:

- ✓ Zinc Plated
- ✓ Steel Saver® special coating
- ✓ A4 (AISI 316) Stainless Steel



SEISMIC FIXING SOLUTIONS



European Technical Assessment – Option 1
for cracked and non-cracked concrete



European Technical Assessment
according to EAD 330747-00-0601

New



Fire Resistance R120



Performance Category C2-C1
for fixing in moderate to high risk seismic areas



CrVI free in compliance with
European Directive RoHS

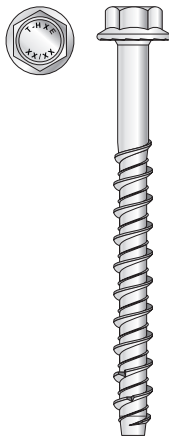


You
Tube



Patented hexagonal flanged washer head with serration concrete screw, zinc plated, ETA-CE Certified

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



Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton	
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}			
Ø 6 / SW: 8 / Ø hole: 5 mm							
New Item	HXE 01 06 040	6 x 40	-	5	-	200	2.000
New Item	HXE 01 06 060	6 x 60	5	25	-	100	1.000
New Item	HXE 01 06 080	6 x 80	25	45	-	100	1.000
Ø 8 / SW: 10 / Ø hole: 6 mm							
New Item	HXE 01 08 040	8 x 40	-	-	5	100	1.000
New Item	HXE 01 08 050	8 x 50	-	5	15	100	1.000
New Item	HXE 01 08 065	8 x 65	5	20	30	100	500
	HXE 01 08 080	8 x 80	20	35	45	50	500
	HXE 01 08 100	8 x 100	40	55	65	50	500
	HXE 01 08 120	8 x 120	60	75	85	50	500
	HXE 01 08 140	8 x 140	80	95	105	50	250
Ø 10 / SW: 13 / Ø hole: 8 mm							
	HXE 01 10 080	10 x 80	10	-	-	50	250
	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 / SW: 15 / Ø hole: 10 mm							
	HXE 01 12 090	12 x 90	10	-	-	25	250
	HXE 01 12 110	12 x 110	30	-	-	25	125
	HXE 01 12 130	12 x 130	50	-	-	25	125
	HXE 01 12 150	12 x 150	70	-	-	25	125
	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 / SW: 21 / Ø hole: 14 mm							
	HXE 01 16 130	16 x 130	20	-	-	10	50
	HXE 01 16 150	16 x 150	40	-	-	10	50
	HXE 01 16 180	16 x 180	70	-	-	10	50



European Technical Assessment
EAD 330232-00-0601 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment:
- performance category C1: Ø 10
- performance category C2-C1: Ø 12 and Ø 16



European Technical Assessment
EAD 330747-00-0601

- ETA-CE Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE – pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE – para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049
- ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601
- 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

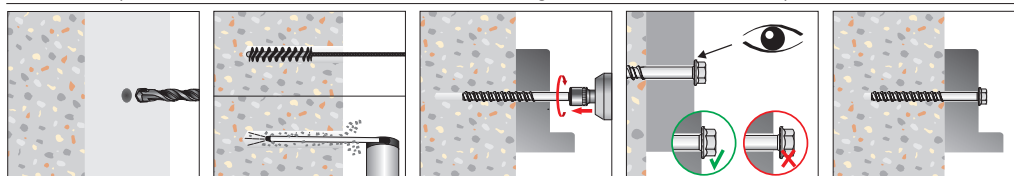
TADS - Tecfi Anchor Design Software



Description / Description / Beschreibung / Descripción / Описание

HXE01 - CONCRETO® is the patented hexagonal flanged washer head with locking serration concrete screw, zinc plated, for through (in-place) heavy duty fixings, **ETA-Certified**:
- according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- in **Option 1 and Option 7** for cracked and non-cracked concrete (Ø8, Ø10, Ø12, Ø16)
- according to **EAD 330232-00-0601 and EOTA TR049**, Performance Category C2 and C1 (Ø10 C1 only), for use in high seismic hazard zones

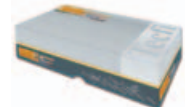
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



**Box / Boîte / Verpackung
Caja / Упаковка**



HX 21



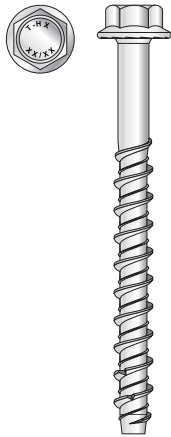
Patented hexagonal flanged washer head with serration concrete screw, zinc plated

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

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 L (mm)	Fixture thickness (mm)				Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}	t _{fix,red3}		
Ø 6 / SW: 8 / Ø hole: 5 mm							
* HX 21 06 045	6 x 45	-	5	-	-	200	2.000
* HX 21 06 060	6 x 60	10	20	-	-	100	1.000
* HX 21 06 080	6 x 80	30	40	-	-	100	1.000
* HX 21 06 100	6 x 100	50	60	-	-	100	1.000
HX 21 06 120	6 x 120	70	80	-	-	100	1.000
Ø 8 / SW: 10 / Ø hole: 6 mm							
* HX 21 08 040	8 x 40	-	-	-	5	100	1.000
* HX 21 08 045	8 x 45	-	-	5	10	100	1.000
* HX 21 08 050	8 x 50	-	-	10	15	100	1.000
* HX 21 08 060	8 x 60	-	10	20	25	100	1.000
* HX 21 08 080	8 x 80	20	30	40	45	50	500
* HX 21 08 100	8 x 100	40	50	60	65	50	500
HX 21 08 120	8 x 120	60	70	80	85	50	500
HX 21 08 140	8 x 140	80	90	100	105	50	500
Ø 10 / SW: 13 / Ø hole: 8 mm							
HX 21 10 060	10 x 60	-	10	-	-	50	500
HX 21 10 080	10 x 80	10	30	-	-	50	500
HX 21 10 100	10 x 100	30	50	-	-	25	250
HX 21 10 120	10 x 120	50	70	-	-	25	250
HX 21 10 140	10 x 140	70	90	-	-	25	250
HX 21 10 160	10 x 160	90	110	-	-	25	250
Ø 12 / SW: 15 / Ø hole: 10 mm							
HX 21 12 070	12 x 70	-	10	-	-	25	250
HX 21 12 090	12 x 90	10	30	-	-	25	250
HX 21 12 110	12 x 110	30	50	-	-	25	250
HX 21 12 130	12 x 130	50	70	-	-	25	125
HX 21 12 150	12 x 150	70	90	-	-	25	125
⚠ HX 01 12 290	12 x 290	210	230	-	-	15	75
⚠ HX 01 12 310	12 x 310	230	250	-	-	15	75
Ø 14 / SW: 17 / Ø hole: 12 mm							
New Item HX 21 14 065	14 x 65	-	5	-	-	25	250
New Item HX 21 14 075	14 x 75	-	15	-	-	25	125
New Item HX 21 14 110	14 x 110	10	50	-	-	25	125
New Item HX 21 14 130	14 x 130	30	70	-	-	20	100
New Item HX 21 14 150	14 x 150	50	90	-	-	15	75
Ø 16 / SW: 21 / Ø hole: 14 mm							
HX 21 16 090	16 x 90	-	10	-	-	15	150
⚠ HX 01 16 180	16 x 180	70	100	-	-	10	100

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

* Special finishing (Item code HX41) until stockout, then zinc plated (Item code HX21)

Avec finition spéciale (HX41) jusqu'à épuisement des stocks. Ensuite de quoi livraison avec finition zinguée (code HX21)

Mit spezieller Beschichtung (HX41) solange der Vorrat reicht. Danach mit verzinkter Beschichtung (HX21) verfügbar

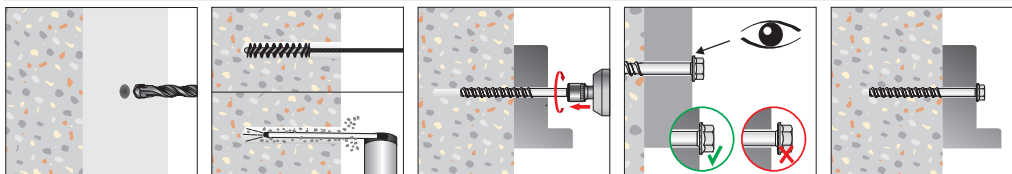
Con acabado especial (código HX41) hasta agotar existencias. Luego se entregará el producto en cincado (código HX21)

Доставка со специальным покрытием (код HX41) до окончания стока. Далее будут на распоряжении с оцинкованным покрытием (код HX21)

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

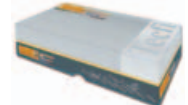
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



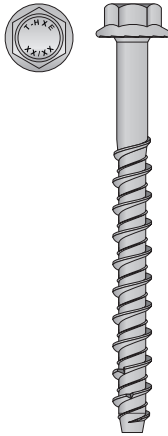
Technical Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



- Patented hexagonal flanged washer head with serration concrete screw, special coating "Steel Saver® 1000h - ZL", ETA-CE Certified**
- Vis à béton brevetée tête hexagonale à embase avec rondelle intégrée moletée sous la tête, finition spéciale "Steel Saver® 1000h - ZL", avec certification ETA-CE**
- Patentierter Sechskant-Betonschraube mit gerändelter Unterlegscheibe und Flansch, spezielle Hochleistungsbehandlung "Steel Saver® 1000h - ZL", mit ETA-CE Zulassung**
- Tornillo patentado para hormigón, cabeza hexagonal y arandela estampada rebordeada con estrías bloqueadoras, acabado especial "Steel Saver® 1000h - ZL", Homologado ETA-CE**
- Запатентованный стальной оцинкованный шуруп по бетону с шестигранной головкой со скошенным буртом со специальным покрытием "Steel Saver®" 1000 часов в СТ, Сертифицирован ETA-CE**



Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / SW: 8 / Ø hole: 5 mm						
HXE 41 06 040	6 x 40	-	5	-	200	2.000
HXE 41 06 060	6 x 60	5	25	-	100	1.000
HXE 41 06 080	6 x 80	25	45	-	100	1.000
Ø 8 / SW: 10 / Ø hole: 6 mm						
HXE 41 08 040	8 x 40	-	-	5	100	1.000
HXE 41 08 050	8 x 50	-	5	15	100	1.000
HXE 41 08 065	8 x 65	5*	20	30	100	500
HXE 41 08 080	8 x 80	20*	35	45	50	500
HXE 41 08 100	8 x 100	40*	55	65	50	500
HXE 41 08 120	8 x 120	60*	75	85	50	500
HXE 41 08 140	8 x 140	80*	95	105	50	500

ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601

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

* **Embedment depth not certified** / Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована



"Steel Saver® 1000h - ZL" 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.

Please see technical details on page 14

TADS - Tecfi Anchor Design Software

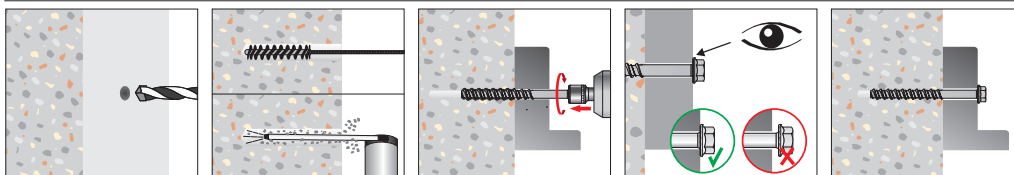
Item included in TADS for computer aided design of Anchorage.
www.tecfi.it/tads

Description / Description / Beschreibung / Descripción / Описание

HXE41 - CONCRETO® is the patented hexagonal flanged washer head with locking serration concrete screw, "Steel Saver 1000h - ZL" special coating, for through (in-place) heavy duty fixings, ETA-Certified:

- according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- undergoing testing for use in cracked and non-cracked concrete and for seismic hazard zones

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



DoP



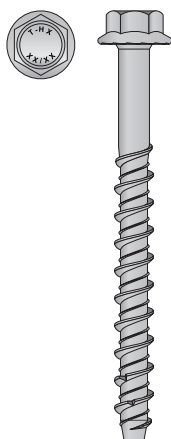
Box / Boîte / Verpackung
Caja / Упаковка



HX 41



- Patented hexagonal flanged washer head with serration concrete screw, special coating "Steel Saver® 1000h - ZL"**
- Vis à béton brevetée 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 СТ



Item code	Screw size Ø x L (mm)	Fixture thickness (mm)				Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}	t _{fix,red3}		
Ø 8 / SW: 10 / Ø hole: 6 mm							
HX 41 08 040	8 x 40	-	-	-	5	100	1.000
HX 41 08 080	8 x 80	20	30	40	45	50	500
HX 41 08 100	8 x 100	40	50	60	65	50	500
Ø 10 / SW: 13 / Ø hole: 8 mm							
HX 41 10 060	10 x 60	-	10	-	-	50	500
HX 41 10 080	10 x 80	10	30	-	-	50	500
HX 41 10 100	10 x 100	30	50	-	-	25	250
Ø 12 / SW: 15 / Ø hole: 10 mm							
HX 41 12 070	12 x 70	-	10	-	-	25	250
HX 41 12 090	12 x 90	10	30	-	-	25	250
HX 41 12 110	12 x 110	30	50	-	-	25	250
HX 41 12 150	12 x 150	70	90	-	-	25	125
Ø 14 / SW: 17 / Ø hole: 12 mm							
HX 41 14 075	14 x 75	-	15	-	-	25	125
HX 41 14 110	14 x 110	10	50	-	-	25	125
HX 41 14 150	14 x 150	50	90	-	-	15	75
Ø 16 / SW: 21 / Ø hole: 14 mm							
HX 41 16 090	16 x 90	-	10	-	-	15	150

Until stockout / Jusqu'à épuisement de stocks / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока
 t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)
 t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

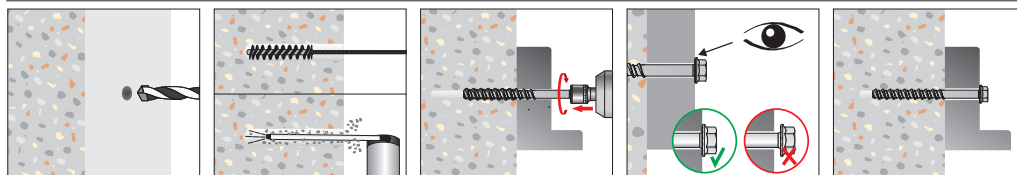
"Steel Saver® 1000h - ZL" special coating



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.

Please see technical details on page 14

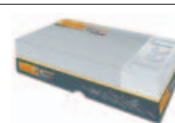
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



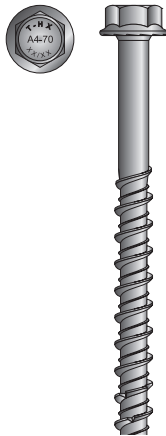
Patented hexagonal flanged washer head with serration concrete screw, A4 (AISI 316) stainless steel

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

Patentierte 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)



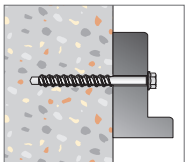
Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 10 / SW: 13 / Ø hole: 8 mm						
HX 71 10 060	10 x 60	-	15	-	50	250
HX 71 10 080	10 x 80	10	35	-	50	250
HX 71 10 100	10 x 100	30	55	-	25	250
HX 71 10 140	10 x 140	70	95	-	25	250
Ø 12 / SW: 15 / Ø foro: 10 mm						
New Item HX 71 12 090	12 x 90	10	35	-	25	125
New Item HX 71 12 110	12 x 110	30	55	-	25	125
New Item HX 71 12 130	12 x 130	50	75	-	25	125

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)



Usage / Utilisation / Benutzung / Uso / Применение

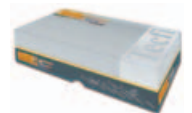


For through (in-place) heavy duty fixings in concrete.

Technical Data Sheet

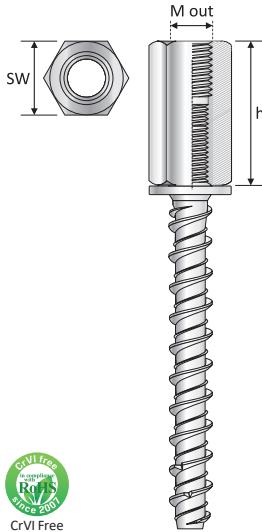


Box / Boîte / Verpackung
Caja / Упаковка



Patented dual thread (with collar) concrete screw assembled with hexagonal coupling nut, zinc plated, ETA-CE Certified

- 🇫🇷 Vis à béton double filet avec bord cylindrique, assemblée avec écrou hexagonal de jonction en acier zingué, certifiée ETA-CE
- 🇩🇪 Doppelgewindeschraube mit zylindrischem Rand für Beton, montiert mit Sechskant-Gelenkmutter, aus verzinktem Stahl, ETA-CE-zertifiziert
- 🇪🇸 Tornillo para hormigón con doble rosca y perfil cilíndrico, montado con manguito de unión hexagonal, de acero cincado, Homologado ETA-CE
- 🇷🇺 Анкер-шуруп для бетона с двойной резьбой и цилиндрической кромкой в сборе с шестигранной накидной гайкой из оцинкованной стали. Сертифицирован ETA-CE "



i Version with special "Steel Saver 1000h - ZL" coating (with zinc plated nut) available on request*, lead time to be agreed.

*item code: HXE 48 xx xx xxx

Item code	Screw size Ø x L / M (mm)	Hex coupling nut size		Pcs. per box	Pcs. per carton
		M out	SW x h (mm)		
Ø 6 / Ø hole: 5 mm					
★ HXE 07 06 06 037	6 x 37 / M6	M6	10 x 18	100	500
★ HXE 07 06 08 037	6 x 37 / M6	M8	10 x 18	100	500
★ HXE 07 66 08 037	6 x 37 / M6	M6 / M8	13 x 30	100	500
Ø 8 / Ø hole: 6 mm					
★ HXE 07 08 06 037	8 x 37 / M8	M6	13 x 30	50	250
★ HXE 07 08 08 037	8 x 37 / M8	M8	13 x 24	50	250
★ HXE 07 08 10 037	8 x 37 / M8	M10	13 x 24	50	250
★ HXE 07 88 10 037	8 x 37 / M8	M8 / M10	13 x 30	50	250
* HXE 07 08 06 062	8 x 62 / M8	M6	13 x 30	50	250
* HXE 07 08 08 062	8 x 62 / M8	M8	13 x 24	50	250
* HXE 07 08 10 062	8 x 62 / M8	M10	13 x 24	50	250
* HXE 07 88 10 062	8 x 62 / M8	M8 / M10	13 x 30	50	250
Ø 10 / Ø hole: 8 mm					
** HXE 07 10 08 074	10 x 74 / M10	M8	13 x 24	25	125
** HXE 07 10 10 074	10 x 74 / M10	M10	17 x 30	25	125
** HXE 07 10 12 074	10 x 74 / M10	M12	17 x 30	25	125

★ ETA-CE Certified item, according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601

* ETA-CE Certified item for embedment depth (hnom) 35 and 45 mm ONLY; hnom 60 mm under approval

** Under approval for ETA-CE option 1 and seismic

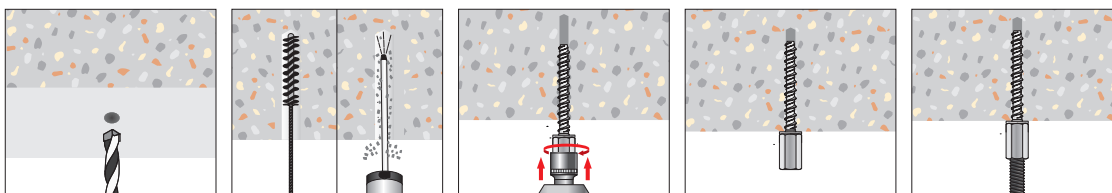


European Technical Assessment
EAD 330747-00-0601

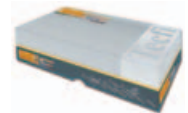
Description / Description / Beschreibung / Descripción / Описание
HXE07 - CONCRETO® is the patented dual thread concrete screw assembled with hex coupling nut, zinc plated, for heavy duty fixings, **ETA-Certified**:
 - according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
 - undergoing testing for use in cracked and non-cracked concrete and for seismic hazard zones



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



Box / Boîte / Verpackung
Caja / Упаковка

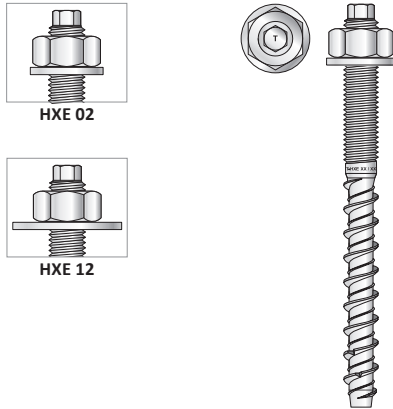


HXE 02 - HXE 12



Patented dual thread concrete screw with hex shank, with nut and washer, zinc plated, ETA-CE Certified

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

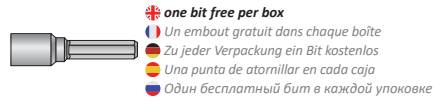


European Technical Assessment
EAD 330232-00-0601 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment:
- performance category C1: \varnothing 10
- performance category C2-C1: \varnothing 12 and \varnothing 16



European Technical Assessment
EAD 330747-00-0601

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

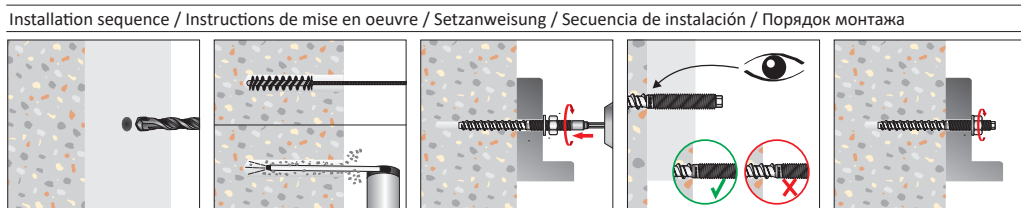


Item code	Screw size $\varnothing \times L$ (mm)	Fixture thickness t_{fix} (mm)	Pcs. per box	Pcs. per carton	
HXE02 with washer					
\varnothing 8 / AF: 5 / SW: 13 / \varnothing hole: 6 mm					
	HXE 02 08 090	8 x 90	10	100	500
	HXE 02 08 120	8 x 120	40	100	300
	HXE 02 08 160	8 x 160	80	50	250
\varnothing 10 / AF: 7 / SW: 17 / \varnothing 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
\varnothing 12 / AF: 8 / SW: 19 / \varnothing 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	75
	HXE 02 12 248	12 x 248	140	25	75

Item code	Screw size $\varnothing \times L$ (mm)	Fixture thickness t_{fix} (mm)	Pcs. per box	Pcs. per carton	
HXE12 with large washer					
\varnothing 8 / AF: 5 / SW: 13 / \varnothing 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
\varnothing 10 / AF: 7 / SW: 17 / \varnothing hole: 8 mm					
	HXE 12 10 105	10 x 105	10	50	250
	HXE 12 10 125	10 x 125	30	50	150
	HXE 12 10 195	10 x 195	100	25	125
\varnothing 12 / AF: 8 / SW: 19 / \varnothing 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	75
	HXE 12 12 248	12 x 248	140	25	75

- ETA-CE Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049
- ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601
- 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

Description / Description / Beschreibung / Descripción / Описание
HXE02/HXE12 - CONCRETO® is the patented dual thread concrete screw with hex shank, zinc plated, for through (in-place) heavy duty fixings, **ETA-Certified**:
 - according to **EAD 330747-00-0601**, in hollow slab as well ($\varnothing 6$ and $\varnothing 8$: see DoP for details)
 - in **Option 1 and Option 7** for cracked and non-cracked concrete ($\varnothing 8$, $\varnothing 10$, $\varnothing 12$, $\varnothing 16$)
 - according to **EAD 330232-00-0601 and EOTA TR049**, Performance Category C2 and C1 ($\varnothing 10$ C1 only), for use in high seismic hazard zones



DoP

 Box / Boîte / Verpackung
 Caja / Упаковка



Heavy duty / Lourdes / Schwere Befestigungen / Fijaciones Pesadas / Крепеж для Тяжелых Конструкций

HXE 85



Patented dual thread concrete screw with hex shank, zinc plated, ETA-CE Certified

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



European Technical Assessment
EAD 330232-00-0601 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment:
- performance category C1: \varnothing 10
- performance category C2-C1: \varnothing 12 and \varnothing 16



European Technical Assessment
EAD 330747-00-0601



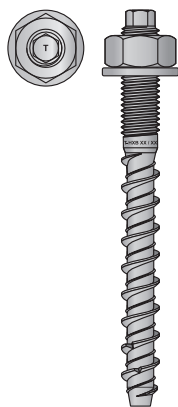
Item code	Screw size $\varnothing \times L$ (mm)	Fixture thickness t_{fix} (mm)	Pcs. per box	Pcs. per carton
\varnothing 8 / AF: 5 / \varnothing hole: 6 mm				
HXE 85 08 090	8 x 90	10	100	500
HXE 85 08 120	8 x 120	40	100	500
HXE 85 08 160	8 x 160	80	50	250
\varnothing 10 / AF: 7 / \varnothing hole: 8 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
\varnothing 12 / AF: 8 / \varnothing 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 Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049
- ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601
- 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

HXB 02

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

- Vis à béton brevetée 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 ZL" special coating



Tecfi "Steel Saver® 500h - ZL" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 10 times higher than standard zinc plating coatings.

Technical Data Sheet



Please see technical details on page 14

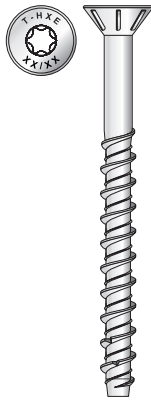


Until stockout / Jusqu'à épuisement de stocks / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания stocks

Item code	Screw size $\varnothing \times L$ (mm)	Fixture thickness t_{fix} (mm)	Pcs. per box	Pcs. per carton
\varnothing 8 / AF: 5 / SW: 13 / \varnothing 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
\varnothing 10 / AF: 7 / SW: 17 / \varnothing 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
\varnothing 12 / AF: 8 / SW: 19 / \varnothing 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

Patented flat CSK head with ribs concrete screw, 6-Lobe recess, zinc plated, ETA-CE Certified

- Vis à béton brevetée tête fraisée plate avec nervures sous la tête, empreinte à six lobes X, en acier zingué, avec certification ETA-CE
- Senkkopf-Betonschraube mit Fräsrippen, Innensechsrund, verzinkt, mit ETA-CE Zulassung
- Tornillo patentado para hormigón con cabeza avellanada 6 lóbulos internos con estrías avellanadoras, de acero cincado, Homologada ETA-CE
- Шуруп по бетону с плоской потайной головкой с насечками из оцинкованной стали, сертифицирован ETA-CE



Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton	
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}			
Ø 6 / T-30 / Ø hole: 5 mm							
New Item	HXE 03 06 045	6 x 45	-	10	-	200	2.000
New Item	HXE 03 06 065	6 x 65	10	30	-	100	1.000
New Item	HXE 03 06 080	6 x 80	25	45	-	100	1.000
Ø 8 / T-30 / Ø hole: 6 mm							
New Item	HXE 03 08 045	8 x 45	-	-	10	100	1.000
New Item	HXE 03 08 055	8 x 55	-	10	20	100	1.000
	HXE 03 08 070	8 x 70	10	25	35	100	500
	HXE 03 08 100	8 x 100	40	55	65	50	500
	HXE 03 08 140	8 x 140	80	95	105	25	250
Ø 10 / T-40 / Ø hole: 8 mm							
	HXE 03 10 080	10 x 80	10	-	-	50	250
	HXE 03 10 100	10 x 100	30	-	-	50	250
	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	125
	HXE 03 12 120	12 x 120	40	-	-	25	125
	HXE 03 12 180	12 x 180	100	-	-	25	125



- ETA-CE Certified item according to EAD 330232-00-0601 and EOTA TR049** / *Produit Certifié ETA-CE – pour applications selon l' EAD 330232-00-0601 et EOTA TR049* / *ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049* / *Homologación ETA-CE – para aplicaciones según EAD 330232-00-0601 e EOTA TR049* / *Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049*
- ETA-CE Certified item according to EAD 330747-00-0601** / *Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601* / *ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601* / *Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601* / *Сертифицированный ETA-CE согласно EAD 330747-00-0601*
- EOTA TR049 - Item assessed Under Seismic Action** / *Article évalué en zone sismique* / *Artikel mit Bewertung von seismischer Leistungs-kategorie* / *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 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment:
- performance category C1: Ø 10
- performance category C2-C1: Ø 12 and Ø 16



European Technical Assessment
EAD 330747-00-0601

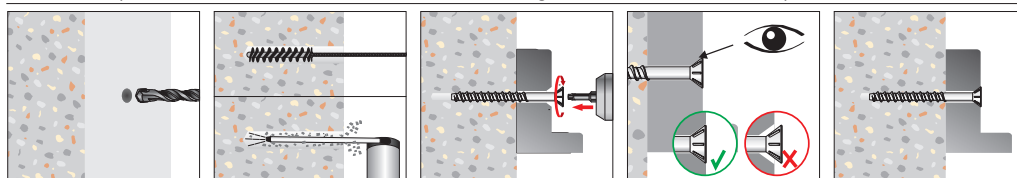
TADS - Tecfi Anchor Design Software



Description / Description / Beschreibung / Descripción / Описание

HXE03 - CONCRETO® is the patented flat countersunk head concrete screw, zinc plated, for through (in-place) heavy duty fixings, **ETA-Certified:**
- according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- in **Option 1 and Option 7** for cracked and non-cracked concrete (Ø8, Ø10, Ø12, Ø16)
- according to **EAD 330232-00-0601 and EOTA TR049**, Performance Category C2 and C1 (Ø10 C1 only), for use in high seismic hazard zones

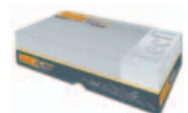
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



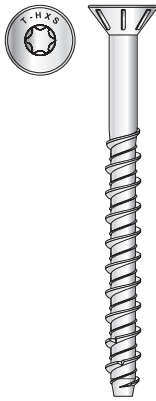
**Box / Boîte / Verpackung
Caja / Упаковка**



HXS 21

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

- 🇧🇪 Vis à béton brevetée tête fraisée plate avec nervures sous la tête, empreinte à six lobes X, en acier zingué
- 🇩🇪 Senkkopf-Betonschraube mit Fräsrippen, Innensechsrund, verzinkt
- 🇪🇸 Tornillo patentado para hormigón con cabeza avellanada 6 lóbulos internos con estrías avellanadoras, de acero cincado
- 🇷🇺 Шуруп по бетону с плоской потайной головкой с насечками из оцинкованной стали

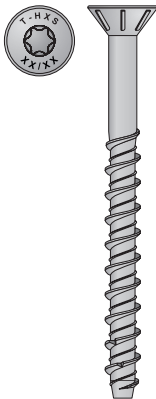


Item code	Screw size	Fixture thickness <i>t_{fix}</i> (mm)	Pcs. per box	Pcs. per carton
	∅ x L (mm)			
∅ 6 / T-30 / ∅ hole: 5 mm				
⚠ HXS 21 06 060	6 x 60	10	100	1.000
⚠ HXS 21 06 100	6 x 100	50	100	1.000
⚠ HXS 21 06 120	6 x 120	70	100	1.000
⚠ Until stockout / Jusqu'à épuisement de stocks / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока				



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 СТ



Item code	Screw size ∅ x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		<i>t_{fix, std}</i>	<i>t_{fix, red1}</i>	<i>t_{fix, red2}</i>		
∅ 6 / T-30 / ∅ hole: 5 mm						
⚠ HXS 01 06 060	6 x 60	10	-	-	100	1.000
⚠ HXS 01 06 100	6 x 100	50	-	-	100	1.000
∅ 8 / T-30 / ∅ hole: 6 mm						
⚠ HXS 01 08 045	8 x 45	-	-	5	100	1.000
⚠ HXS 01 08 080	8 x 80	20	30	40	50	500
⚠ HXS 01 08 100	8 x 100	40	50	60	50	500
⚠ HXS 01 08 120	8 x 120	60	70	80	50	500
∅ 10 / T-40 / ∅ 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 10 160	10 x 160	90	-	-	25	250
∅ 12 / T-50 / ∅ hole: 10 mm						
HXS 01 12 100	12 x 100	20	-	-	25	250
HXS 01 12 120	12 x 120	40	-	-	25	250
⚠ Until stockout / Jusqu'à épuisement de stocks / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока						



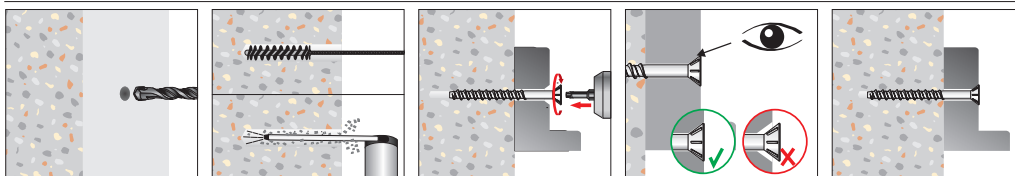
"Steel Saver® 500h" special coating



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.

Please see technical details on page 14

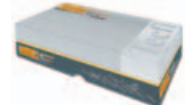
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



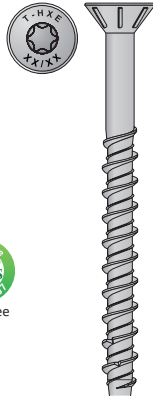
Technical Data Sheet



**Box / Boîte / Verpackung
Caja / Упаковка**



- Patented flat CSK head with ribs concrete screw, 6-Lobe recess, special coating "Steel Saver® 1000h - ZL", ETA-CE Certified
- Vis à béton brevetée tête fraisée plate avec nervures sous la tête, empreinte à six lobes X, finition spéciale "Steel Saver® 1000h - ZL", avec certification ETA-CE
- Senkkopf-Betonschraube mit Fräsrippen, Innensechsrund, spezielle Hochleistungsbehandlung "Steel Saver® 1000h - ZL", mit ETA-CE Zulassung
- Tornillo patentado para hormigón con cabeza avellanada 6 lóbulos internos con estrías avellanadoras, acabado especial "Steel Saver® 1000h - ZL", Homologada ETA-CE
- Шуруп по бетону с плоской потайной головкой с насечками со специальным покрытием "Steel Saver®" 1000 часов в СТ, сертифицирован ETA-CE



Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / SW: 8 / Ø hole: 5 mm						
★ HXE 43 06 045	6 x 45	-	10	-	200	2.000
★ HXE 43 06 065	6 x 65	10	30	-	100	1.000
★ HXE 43 06 080	6 x 80	25	45	-	100	1.000
Ø 8 / SW: 10 / Ø hole: 6 mm						
★ HXE 43 08 045	8 x 45	-	-	10	100	1.000
★ HXE 43 08 055	8 x 55	-	10	20	100	1.000
★ HXE 43 08 070	8 x 70	10*	25	35	100	500
★ HXE 43 08 100	8 x 100	40*	55	65	50	500
★ HXE 43 08 140	8 x 140	80*	95	105	25	250

- ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt – für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601
- R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand / Homologación de resistencia al fuego / Сертификат пожаробезопасности
- * Embedment depth not certified / Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована

"Steel Saver® 1000h" special coating



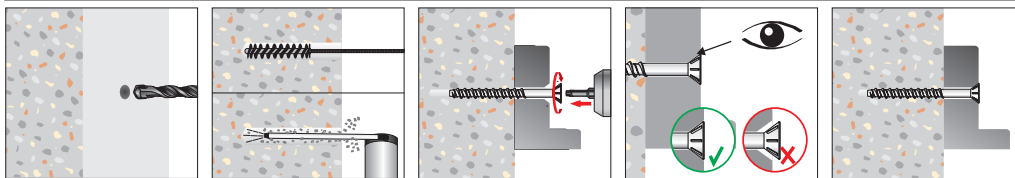
Tecfi "Steel Saver® 1000h" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 20 times higher than standard zinc plating coatings.

DoP

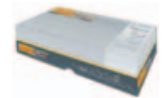


Please see technical details on page 14

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



Box / Boîte / Verpackung
Caja / Упаковка



TADS - Tecfi Anchor Design Software



Item included in TADS for computer aided design of Anchorage.
www.tecfi.it/tads

Description / Description / Beschreibung / Descripción / Описание

HXE43 - CONCRETO® is the patented flat countersunk head concrete screw, "Steel Saver 1000h - ZL" special coating, for through (in-place) heavy duty fixings, ETA-Certified:
- according to EAD 330747-00-0601, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- undergoing testing for use in cracked and non-cracked concrete and for seismic hazard zones

HXT 01

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

- Vis à béton brevetée 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 Ø x L (mm)	Fixture thickness (mm)		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}		
Ø 8 / T-30 / Ø hole: 6 mm / Ø head: 17 mm					
HXT 01 08 060	8 x 60	-	10	100	1.000
HXT 01 08 080	8 x 80	20	30	50	500
HXT 01 08 100	8 x 100	40	50	50	500
HXT 01 08 120	8 x 120	60	70	50	500
Ø 10 / T-40 / Ø hole: 8 mm / Ø head: 22 mm					
HXT 01 10 060	10 x 60	-	10	50	500
HXT 01 10 080	10 x 80	10	30	50	500
HXT 01 10 100	10 x 100	30	50	25	250
HXT 01 10 120	10 x 120	50	70	25	250

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

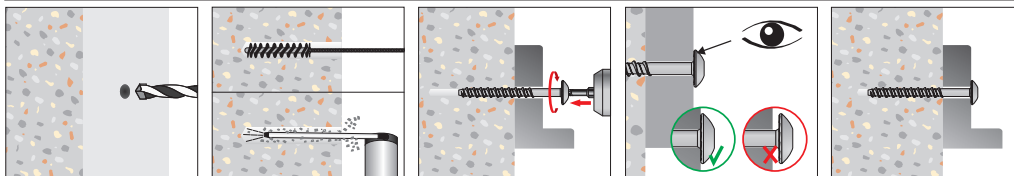
"Steel Saver® 500h" special coating



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.

Please see technical details on page 14

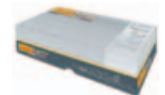
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Technical Data Sheet



**Box / Boîte / Verpackung
Caja / Упаковка**



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
- Einschlagstern T-30 und T-40 für Innensechsrund-Schrauben
- Tarón 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

HXE 05 - HXE 06



Patented pan head with serration concrete screw, 6-Lobe recess, zinc plated, ETA-CE Certified

Vis à béton brevetée tête cylindrique avec nervures sous la tête, empreinte à six lobes X, en acier zingué, avec certification ETA-CE

Patentierte Zylinderkopf-Betonschraube mit Flansch, Innensechsrund, verzinkt, mit ETA-CE Zulassung

Tornillo patentado para hormigón, cabeza cilíndrica 6 lóbulos internos con estrías bloqueadoras, de acero cincado, Homologada ETA-CE

Запатентованный шуруп по бетону с полукруглой головкой с насечками из оцинкованной стали, сертифицирован ETA-CE



European Technical Assessment
EAD 330747-00-0601

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / T-30 / Ø hole: 5 mm / Ø head: 12,5 mm						
HX 05 06 030	6 x 30	-	-	4	200	2.000
★ HXE 05 06 040	6 x 40	-	5	-	200	2.000
★ HXE 05 06 060	6 x 60	5	25	-	100	1.000
★ HXE 05 06 080	6 x 80	25	45	-	100	1.000

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 8 / T-30 / Ø hole: 6 mm / Ø head: 13 mm						
★ HXE 05 08 040	8 x 40	-	-	5	100	1.000
★ HXE 05 08 050	8 x 50	-	5	15	100	1.000
★ HXE 05 08 065	8 x 65	5*	20	30	100	500
★ HXE 05 08 080	8 x 80	20*	35	45	50	500
★ HXE 05 08 100	8 x 100	40*	55	65	50	500
★ HXE 05 08 120	8 x 120	60*	75	85	50	500
★ HXE 05 08 140	8 x 140	80*	95	105	50	500

★ ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601

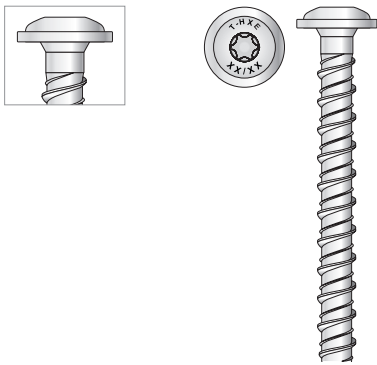
★ R120 Fire Resistance Certified item / Résistance au feu / Feuerwiderstand / Homologación de resistencia al fuego / Сертификат пожаробезопасности

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

* Embedment depth not certified / Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована

HXE 06 pan washer head / tête cylindrique à rondelle intégrée / zylinderkopf mit integrierter Unterlegscheibe / cabeza cilíndrica con arandela estampada / Цилиндрическая головка с фальшшайбой



European Technical Assessment
EAD 330747-00-0601

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / T-30 / Ø hole: 5 mm / Ø head: 14,5 mm						
★ HXE 06 06 040	6 x 40	-	5	-	200	2.000
★ HXE 06 06 060	6 x 60	5	25	-	100	1.000
★ HXE 06 06 080	6 x 80	25	45	-	100	1.000
★ HXE 06 06 100	6 x 100	45	65	-	100	500
★ HXE 06 06 120	6 x 120	65	85	-	100	500
★ HXE 06 06 140	6 x 140	85	105	-	100	500
★ HXE 06 06 160	6 x 160	105	125	-	100	500

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 8 / T-30 / Ø hole: 6 mm / Ø head: 15,5 mm						
★ HXE 06 08 040	8 x 40	-	-	5	100	1.000
★ HXE 06 08 050	8 x 50	-	5	15	100	1.000
★ HXE 06 08 065	8 x 65	5*	20	30	100	500
★ HXE 06 08 080	8 x 80	20*	35	45	50	500
★ HXE 06 08 100	8 x 100	40*	55	65	50	500
★ HXE 06 08 120	8 x 120	60*	75	85	50	500
★ HXE 06 08 140	8 x 140	80*	95	105	50	500

★ ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601

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

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

* Embedment depth not certified / Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована

TADS - Tecfi Anchor Design Software



Item included in TADS for computer aided design of Anchorage.

www.tecfi.it/tads

Description / Description / Beschreibung / Descripción / Описание

HXE05/HXE06 - CONCRETO® are the patented pan head and pan washer head with locking serration concrete screws, zinc plated, for through (in-place) heavy duty fixings, **ETA-Certified:**

- according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- undergoing testing for use in cracked and non-cracked concrete and for seismic hazard zones

DoP



Box / Boîte / Verpackung
Caja / Упаковка



HXE 45 - HXE 46



- Patented pan head with serration concrete screw, 6-Lobe recess, special coating "Steel Saver® 1000h - ZL", ETA-CE Certified**
- Vis à béton brevetée tête cylindrique avec nervures sous la tête, empreinte à six lobes X, finition spéciale "Steel Saver® 1000h - ZL", avec certification ETA-CE**
- Patentierte Zylinderkopf-Betonschraube mit Flansch, Innensechsrund, spezielle Hochleistungsbehandlung "Steel Saver® 1000h - ZL", mit ETA-CE Zulassung**
- Tornillo patentado para hormigón, cabeza cilíndrica 6 lóbulos internos con estrías bloqueadoras, acabado especial "Steel Saver® 1000h - ZL", Homologada ETA-CE**
- Запатентованный шуруп по бетону с полукруглой головкой с насечками со специальным покрытием "Steel Saver®" 1000 часов в СТ, сертифицирован ETA-CE**



European Technical Assessment
EAD 330747-00-0601

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / T-30 / Ø hole: 5 mm / Ø head: 12,5 mm						
★ HXE 45 06 040	6 x 40	-	5	-	200	2.000
★ HXE 45 06 060	6 x 60	5	25	-	100	1.000
★ HXE 45 06 080	6 x 80	25	45	-	100	1.000
Ø 8 / T-30 / Ø hole: 6 mm / Ø head: 13 mm						
★ HXE 45 08 040	8 x 40	-	-	5	100	1.000
★ HXE 45 08 050	8 x 50	-	5	15	100	1.000
★ HXE 45 08 065	8 x 65	5*	20	30	100	500
★ HXE 45 08 080	8 x 80	20*	35	45	50	500
★ HXE 45 08 100	8 x 100	40*	55	65	50	500
★ HXE 45 08 120	8 x 120	60*	75	85	50	500
★ HXE 45 08 140	8 x 140	80*	95	105	50	500

★ **ETA-CE Certified item according to EAD 330747-00-0601** / *Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601*

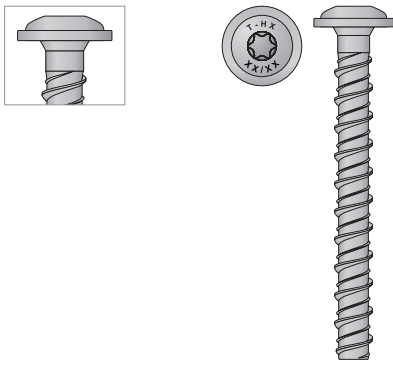
★ **R120 Fire Resistance Certified item** / *Résistance au feu / Feuerwiderstand / Homologación de resistencia al fuego / Сертификат пожарной безопасности*

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

* **Embedment depth not certified** / *Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована*

HXE 46 pan washer head / tête cylindrique à rondelle intégrée / zylinderkopf mit integrierter Unterlegscheibe / cabeza cilíndrica con arandela estampada / Цилиндрическая головка с фальшшайбой



European Technical Assessment
EAD 330747-00-0601

Item code	Screw size Ø x L (mm)	Fixture thickness (mm)			Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red1}	t _{fix,red2}		
Ø 6 / T-30 / Ø hole: 5 mm / Ø head: 14,5 mm						
★ HXE 46 06 040	6 x 40	-	5	-	200	2.000
★ HXE 46 06 060	6 x 60	5	25	-	100	1.000
★ HXE 46 06 080	6 x 80	25	45	-	100	1.000
★ HXE 46 06 100	6 x 100	45	65	-	100	500
★ HXE 46 06 120	6 x 120	65	85	-	100	500
★ HXE 46 06 140	6 x 140	85	105	-	100	500
★ HXE 46 06 160	6 x 160	105	125	-	100	500
Ø 8 / T-30 / Ø hole: 6 mm / Ø head: 15,5 mm						
★ HXE 46 08 040	8 x 40	-	-	5	100	1.000
★ HXE 46 08 050	8 x 50	-	5	15	100	1.000
★ HXE 46 08 065	8 x 65	5*	20	30	100	500
★ HXE 46 08 080	8 x 80	20*	35	45	50	500
★ HXE 46 08 100	8 x 100	40*	55	65	50	500
★ HXE 46 08 120	8 x 120	60*	75	85	50	500
★ HXE 46 08 140	8 x 140	80*	95	105	50	500

★ **ETA-CE Certified item according to EAD 330747-00-0601** / *Produit Certifié ETA-CE – pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE согласно EAD 330747-00-0601*

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

t_{fix,std} - maximum thickness of fixture with standard embedment depth (see Technical data sheet)

t_{fix,red} - maximum thickness of fixture with reduced embedment depth (see Technical data sheet)

* **Embedment depth not certified** / *Profondeur d'implantation pas certifié / Nicht zertifizierter Eintrag / Profundidad de instalación no homologada / Глубина посадки не сертифицирована*

TADS - Tecfi Anchor Design Software



Item included in TADS for computer aided design of Anchorage.

www.tecfi.it/tads

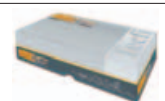
Description / Description / Beschreibung / Descripción / Описание

HXE45/HXE46 - CONCRETO® are the patented pan head and pan washer head with locking serration concrete screws, "Steel Saver 1000h - ZL" special coating, for through (in-place) heavy duty fixings, ETA-Certified:
- according to **EAD 330747-00-0601**, in hollow slab as well (Ø6 and Ø8: see DoP for details)
- undergoing testing for use in cracked and non-cracked concrete and for seismic hazard zones

DoP



Box / Boîte / Verpackung Caja / Упаковка



FX 01^{NEW} - FXL 01^{NEW}

🇬🇧 **Welded eyebolt concrete screw (Patented thread), carbon steel, hardened, zinc plated**

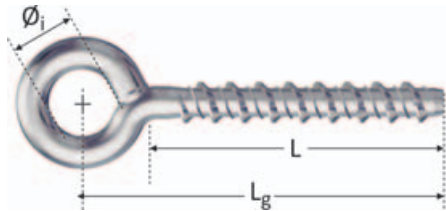
🇫🇷 Vis à béton (filetage breveté) à œil soudé en acier au carbone, zingué

🇩🇪 Geschweisster Augbolzen aus Kohlenstoffstahl (mit patentiertem Gewinde), einsatzgehärtet, verzinkt

🇪🇸 Argolla con rosca patentada para hormigón, de acero cementado, cincada

🇷🇺 Приварной оцинкованный рым-болт по бетону из закаленной углеродистой стали

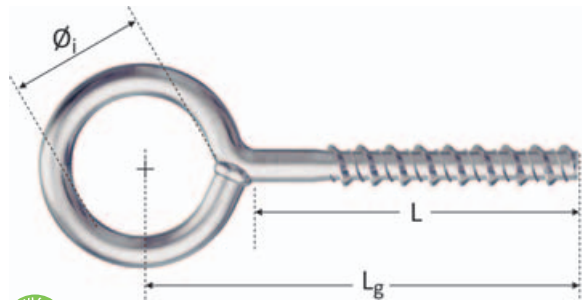
FX 01 eye \varnothing i 23 mm / œil \varnothing 23 mm / Auge \varnothing 23 mm / ojo \varnothing 23 mm / \varnothing проушины 23



Item code	Eyebolt size $\varnothing \times L / L_g$ (mm)	Eye diameter \varnothing_i (mm)	Embedment depth h_{nom}	Pcs. per box	Pcs. per carton
\varnothing 14 / \varnothing hole: 12 mm					
FX 01 14 080	14 x 80 / 105	23	75	20	100
FX 01 14 105	14 x 105 / 130	23	100	20	100



FXL 01 eye \varnothing i 50 mm / œil \varnothing 50 mm / Auge \varnothing 50 mm / ojo \varnothing 50 mm / \varnothing проушины 50



Item code	Eyebolt size $\varnothing \times L / L_g$ (mm)	Eye diameter \varnothing_i (mm)	Embedment depth h_{nom}	Pcs. per box	Pcs. per carton
\varnothing 14 / \varnothing hole: 12 mm					
FXL 01 14 110	14 x 110 / 150	50	100	15	45
FXL 01 14 170	14 x 170 / 210	50	100	15	45

⚠️ Available from November 2023 / Disponible à compter de novembre 2023 / Verfügbar ab November 2023 / Disponible desde noviembre de 2023 / В наличии с ноября 2023 года



Descrizione

Welded eyebolt concrete screw (Patented thread), carbon steel, hardened, zinc plated (CrVI free), for direct fixings to concrete without anchor/plug, suitable for various fixing needs (eg. ropes, nets, ground-supported scaffolding to buildings, etc.).

FX 01: eye \varnothing i 23 mm

FXL 01: eye \varnothing i 50 mm

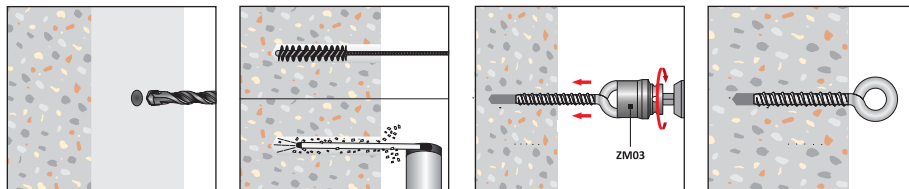
Technical
Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



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



ZM 03 ^{NEW}

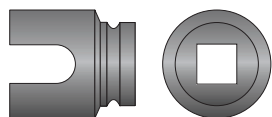
🇬🇧 **Special "impact" socket with "U" grooves, female square drive 1/2", for eyebolts driving**

🇫🇷 Douille carrée spéciale avec rainures en «U», carré femelle 1/2", pour l'entraînement des vis à béton avec œil

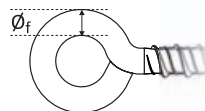
🇩🇪 Spezial "Impakt" Vierkantbuchse mit "U" Rille, weiblich Vierkantantrieb 1/2", für die Installation von Augbolzen

🇪🇸 Boca especial tipo "impact" con ranuras en "U", conexión cuadrada hembra 1/2", para la instalación de argollas

🇷🇺 Специальная квадратная головка-накопитель с «U» образным позом, с внутренним квадратом ½ дюйма, для ввинчивания рым-болтов



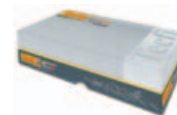
Item code	Eyebolt wire diameter (Øf) min/max (mm)	Pcs. per box	Pcs. per carton
ZM 03 13 045	10 / 13,5	10	100



Usage / Utilisation / Benutzung / Uso / Применение

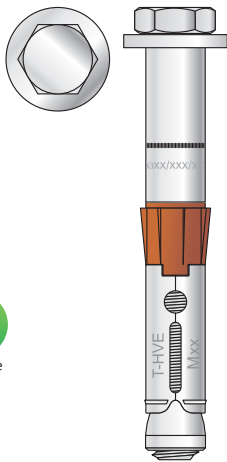


Box / Boîte / Verpackung / Caja / Упаковка



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 ETA-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Verzinkter Hochleistungs - Schwerlastanker mit Sechskantschraube Klasse 8.8 und spezieller Scheibe, mit ETA-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



Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10 / SW: 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 / SW: 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 / SW: 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 / SW: 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 / SW: 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



European Technical Assessment
EAD 330232-00-0601 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C2 - C1

- ETA-CE Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 и EOTA TR049
- 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

Usage / Utilisation / Benutzung / Uso / Применение



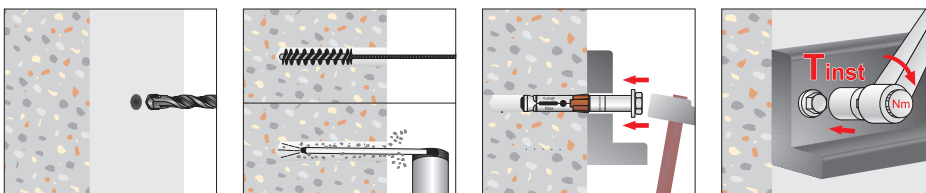
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

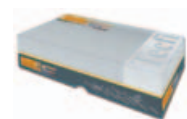
DoP



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



Box / Boîte / Verpackung / Caja / Упаковка



HIGH PERFORMANCE ANCHORS - ETA-CE CERTIFIED



option 1
SEISMIC FIXING

- ▶ 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



European Technical Assessment
Option 1 - For cracked and non-cracked concrete
Seismic assessment - performance category C2-C1
EAD 330232-00-0601 and EOTA TR049



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



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

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



Special washers

Patented design

Expansion sleeve/conical nut

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



HVE 01

Ø10 (M6) ÷ Ø24 (M16)



HVE 02

Ø10 (M6) ÷ Ø24 (M16)



HVE 03

Ø10 (M6) ÷ Ø18 (M12)



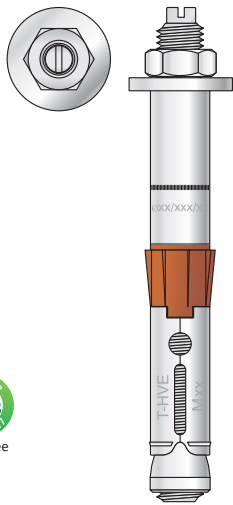
HVE 04

Ø12 (M8) ÷ Ø16 (M10)



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 ETA-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 ETA-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 and EOTA TR049
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C2 - C1

Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Stud size M	Pcs. per box	Pcs. per carton
$\varnothing 10 / M6 / SW: 10$				
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
$\varnothing 12 / M8 / SW: 13$				
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
$\varnothing 16 / M10 / SW: 17$				
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
$\varnothing 18 / M12 / SW: 19$				
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
$\varnothing 24 / M16 / SW: 24$				
HVE 02 24 140	24 x 140 / 20	M16	5	25
HVE 02 24 170	24 x 170 / 50	M16	5	25
HVE 02 24 200	24 x 200 / 80	M16	5	25
HVE 02 24 220	24 x 220 / 100	M16	5	25

- ETA-CE Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 и EOTA TR049
- 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



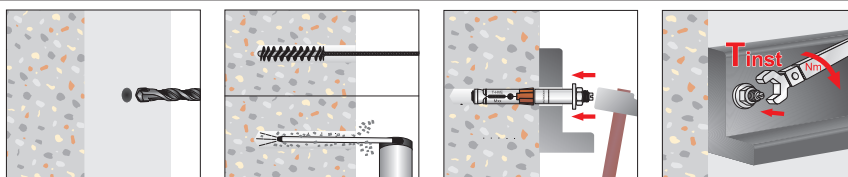
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

DoP

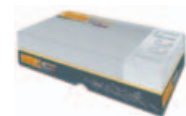


Tecfi Anchor Design Software www.tecfi.it/tads

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



Box / Boîte / Verpackung / Caja / Упаковка



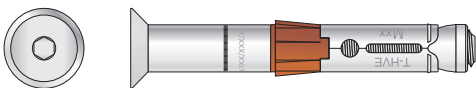
HVE 03 - HVE 04



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 ETA-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Verzinkter Hochleistungs Edelstahl - Schwerlastanker, mit ETA-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

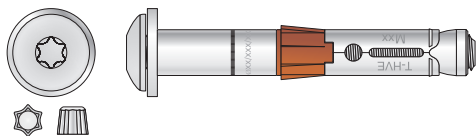
HVE 03 with 8.8 grade Flat CSK head Hex recess screw
 avec vis tête fraisée plate classe 8.8 / mit Senkkopfschraube Klasse 8.8 / montado con tornillo cabeza avellanada con hueco hexagonal clase 8.8 / с винтом с потайной головкой класса прочности 8.8



Item code	Anchor size Ø x L / t _{fix} (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10 / M6 / In-Hex (s): 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 (s): 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 (s): 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 (s): 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 Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE- pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049
- 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
- R120 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 Ø x L / 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 Certified item according to EAD 330232-00-0601 and EOTA TR049 / Produit Certifié ETA-CE- pour applications selon l' EAD 330232-00-0601 et EOTA TR049 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 und EOTA TR049 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 e EOTA TR049 / Сертифицированный ETA-CE EAD 330232-00-0601 u EOTA TR049
- 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



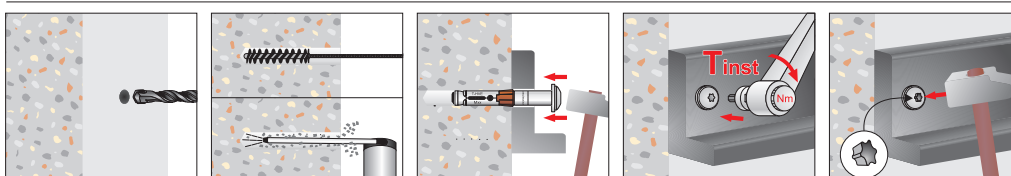
European Technical Assessment
 EAD 330232-00-0601 and EOTA TR049
 OPTION 1: for cracked and non-cracked concrete
 Seismic assessment: performance category C2 - C1

Usage / Utilisation / Benutzung / Uso / Применение

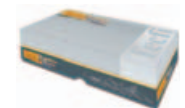
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to EOTA TR049.
 Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

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



DoP Box / Boîte / Verpackung
 Caja / Упаковка



DSE 01

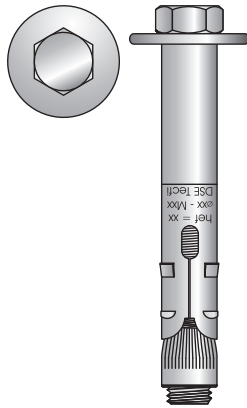
🇬🇧 **Sleeve anchor with 8.8 grade hex head screw and large series washer, zinc plated, ETA-CE Opt.7 certified**

🇫🇷 Cheville à douille zinguée avec vis tête hexagonale classe 8.8 et rondelle large, certification ETA-CE Option 7

🇩🇪 Verzinkter Hülseanker mit Sechskantschraube Klasse 8.8 und breiter Unterlegscheibe, 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



SW



CrVI Free

Item code	Anchor size $\varnothing \times L / t_{fix} (mm)$	Screw size M	Pcs. per box	Pcs. per carton
Ø 8 / M6 / SW: 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 / SW: 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 / SW: 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 / SW: 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 / SW: 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 Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE- pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601



European Technical Assessment
EAD 330232-00-0601

OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



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

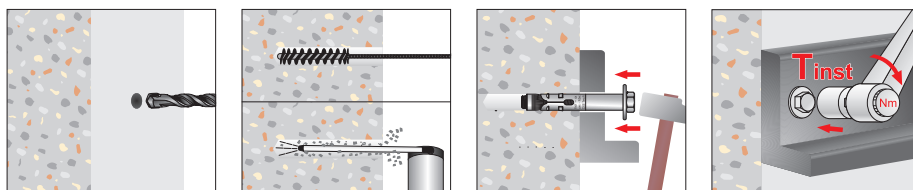
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

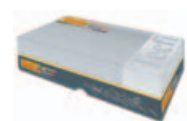
DoP



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



Box / Boîte / Verpackung / Caja / Упаковка



DSE 11

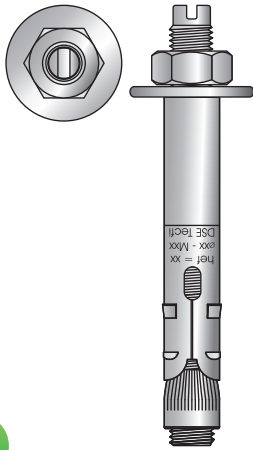
🇬🇧 Sleeve anchor with 8.8 grade stud, hex nut and large series washer, zinc plated, ETA-CE Opt.7 certified

🇫🇷 Cheville à douille zinguée avec tige filetée classe 8.8, écrou et rondelle large, certification ETA-CE Option 7

🇩🇪 Verzinkter Hülsenanker mit Gewindestange Klasse 8.8, Schraubenmutter und breiter 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



Item code	Anchor size Ø x L / t _{fix} (mm)	Stud size M	Pcs. per box	Pcs. per carton
Ø 8 / M6 / SW: 10				
• DSE 11 08 080	8 x 80 / 25	M6	100	500
Ø 10 / M8 / SW: 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 / SW: 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 / SW: 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 / SW: 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 Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601

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



European Technical Assessment
EAD 330232-00-0601

OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



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

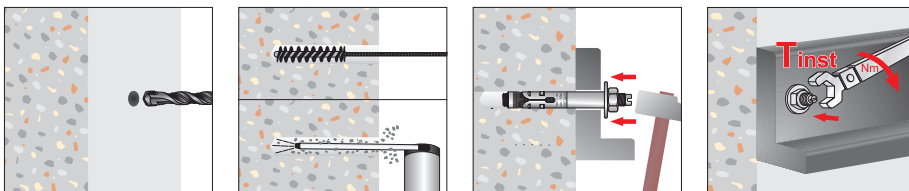
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

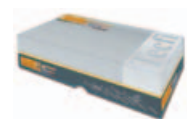
DoP



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



Box / Boîte / Verpackung / Caja / Упаковка



DSE 07

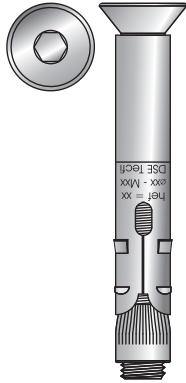
Sleeve anchor with 8.8 grade flat CSK head socket recess screw, zinc plated, ETA-CE Opt.7 certified

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

Verzinkter Hülsenanker 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



European Technical Assessment
EAD 330232-00-0601

OPTION 7: for non-cracked concrete

Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
$\varnothing 8 / M6 / In\text{-}hex$ (s): 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
$\varnothing 10 / M8 / In\text{-}hex$ (s): 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
$\varnothing 12 / M10 / In\text{-}hex$ (s): 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
$\varnothing 14 / M10 / In\text{-}hex$ (s): 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
$\varnothing 16 / M12 / In\text{-}hex$ (s): 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 Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE- pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601

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Usage / Utilisation / Benutzung / Uso / Применение



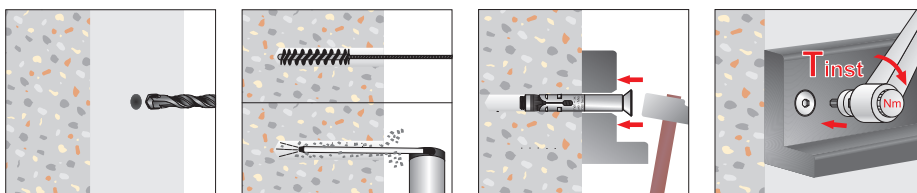
For through (in-place) heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

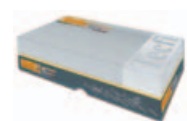
DoP



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



Box / Boîte / Verpackung / Caja / Упаковка



DSE 10

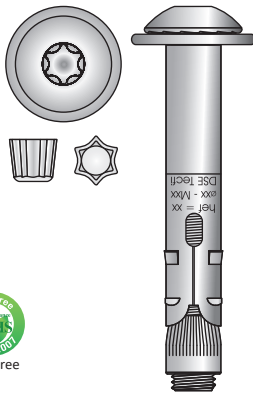
🇬🇧 **Sleeve anchor with 8.8 grade mushroom head screw (anti-theft with special cap to be hammered), zinc plated, ETA-CE Opt.7 certified**

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

🇩🇪 Verzinkter Hülsenanker mit Rundkopfschraube Klasse 8.8, (mit Sicherheitseinschlagstern), mit ETA-CE Zulassung Option 7

🇪🇸 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

🇷🇺 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 $\varnothing \times L / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
$\varnothing 10 / M8 / T-40$				
* 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
$\varnothing 12 / M10 / T-40$				
* 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
$\varnothing 14 / M10 / T-40$				
• 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 Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601**

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



European Technical Assessment
EAD 330232-00-0601

OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



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

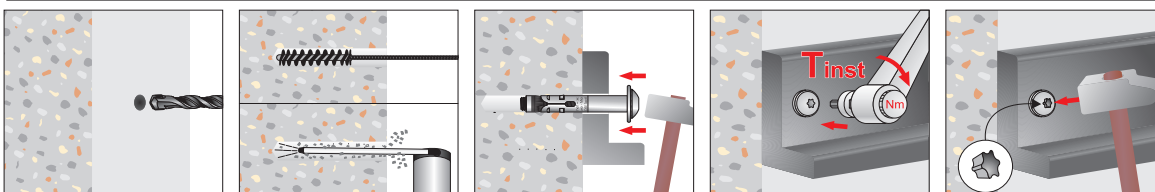
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

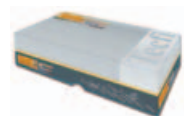
DoP








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



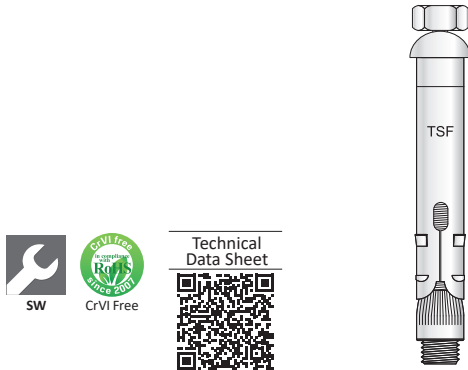
Box / Boîte / Verpackung
Caja / Упаковка



DS 02 - DS 08

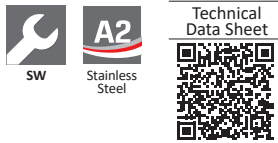
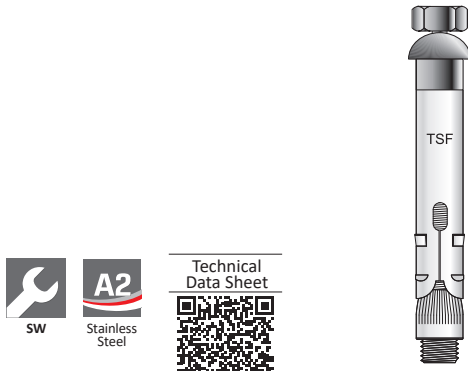
-  **Zinc plated sleeve anchor with stud and hexagonal head blind security nut (breaking torque to cut the hexagon Nm > 13)**
-  Cheville indémontable à douille zinguée avec tige filetée et écrou borgne
-  Verzinkter Hülsenanker mit Gewindestange und Hutmutter
-  Anclaje de camisa de acero cincado, montado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

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



Item code	Anchor size Ø x L / t _{fix} (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M8 / SW: 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 / SW: 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

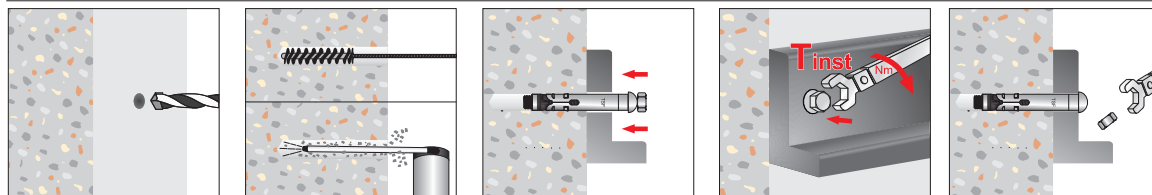
DS 08 with A2 (AISI 304) stainless steel hemispheric shank hexagonal head blind security nut
 avec écrou borgne à calotte de sécurité en acier Inox A2 (AISI 304) / mit Hutmutter Intrusionsschutz aus Edelstahl A2 (AISI 304) / con cabeza semiesférica
 inviolable con tuerca hexagonal ciega de seguridad 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 L / t _{fix} (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
Ø 8 / M8 / SW: 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

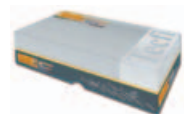


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Breaking torque to cut the hexagon Nm > 13

Box / Boîte / Verpackung
Caja / Упаковка



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

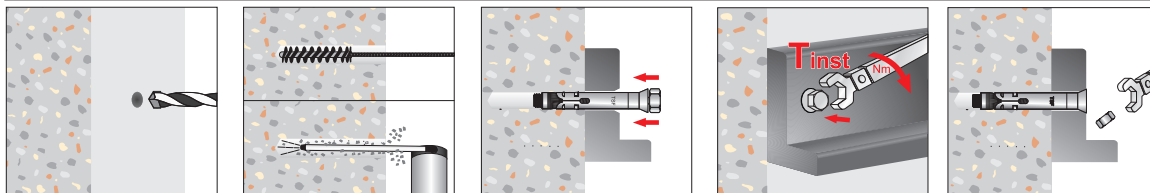
- 🇫🇷 Cheville indémontable à douille zinguée avec tige filetée et écrou borgne avec écrou borgne hexagonal de sécurité et tête fraisée plate
- 🇩🇪 Verzinkter Hülsenanker mit Gewindestange und Hutmutter mit Intrusionsschutz und Senkkopf
- 🇪🇸 Anclaje de camisa de acero cincado, montado con espárrago con cabeza avellanada inviolable con tuerca hexagonal ciega de seguridad
- 🇷🇺 Стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (шестигранный ключ 15 мм; сила затягивания для срыва гайки Nm > 13) с резьбовым стержнем и шестигранной антивандальной гайкой с плоской потайной головкой



Item code	Anchor size Ø x L / t _{fix} (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M8 / SW: 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

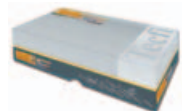


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



Breaking torque to cut the hexagon Nm > 13

Box / Boîte / Verpackung Caja / Упаковка



LZ 01

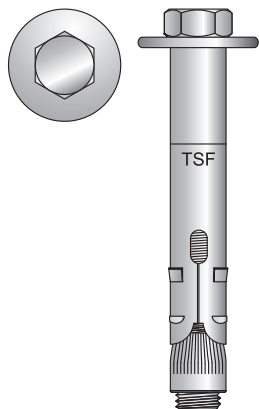
🇬🇧 Sleeve anchor with hex head screw 8.8 grade and large series washer, zinc plated

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

🇩🇪 Verzinkter Hülsenanker 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

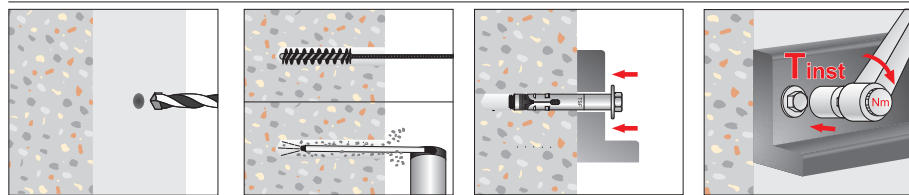


Technical Data Sheet

Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M	Pcs. per box	Pcs. per carton
$\varnothing 8 / M6 / SW: 10$				
* 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
$\varnothing 10 / M8 / SW: 13$				
* 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
$\varnothing 12 / M10 / SW: 17$				
* 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
$\varnothing 14 / M10 / SW: 17$				
* 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
$\varnothing 16 / M12 / SW: 19$				
* 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
$\varnothing 20 / M16 / SW: 24$				
* LZ 01 20 160	20 x 160 / 50	M16	10	50

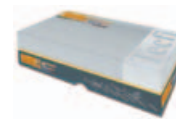
⚠️ **Until stockout / Jusqu'à épuisement des stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока**
Sizes with reduced embedment depth (h_{nom}) (see technical data sheet) / Mesures avec double profondeur hors-tout
 * d'ancrage (h_{nom}) réduite (voir fiche technique) / 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)

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



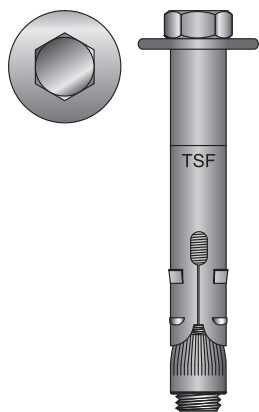
For through (in-place) heavy duty fixings in concrete.

Box / Boîte / Verpackung / Caja / Упаковка



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

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

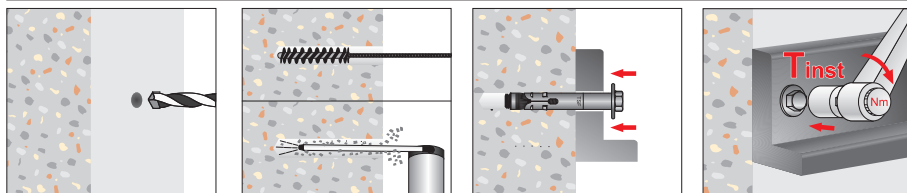


Technical Data Sheet

Item code	Anchor size ∅ x L / t _{fix} (mm)	Screw size M	Pcs. per box	Pcs. per carton
∅ 8 / M6 / SW: 10				
LZ 51 08 060	8 x 60 / 5	M6	50	500
IA 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
∅ 10 / M8 / SW: 13				
* IA LZ 51 10 065	10 x 65 / 15	M8	50	250
IA LZ 51 10 080	10 x 80 / 10	M8	50	250
IA LZ 51 10 100	10 x 100 / 30	M8	25	250
LZ 51 10 120	10 x 120 / 50	M8	25	250
∅ 12 / M10 / SW: 17				
* LZ 51 12 065	12 x 65 / 15	M10	25	250
IA 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
∅ 14 / M10 / SW: 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
∅ 16 / M12 / SW: 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

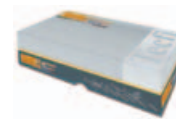
* Sizes with reduced embedment depth (h_{nom}) (see technical data sheet) / Mesures avec double profondeur hors-tout d'ancrage (h_{nom}) réduite (voir fiche technique) / Abmessungen mit reduzierter Verankerungstiefe (h_{nom}) (siehe technische Datenblatt) / Medidas con inserción (h_{nom}) reducida (mire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

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



DXE 00

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

- 🇫🇷 Cheville à douille zinguée avec cône fixe, certification ETA-CE Option 7
- 🇩🇪 Verzinkter Hülsenanker 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



Item code	Anchor size Ø x L (mm)	Screw size M	Pcs. per box	Pcs. per carton
Ø 10				
DXE 00 10 045	10 x 45	M6	100	1.000
Ø 12				
DXE 00 12 050	12 x 50	M8	50	500
Ø 15				
DXE 00 15 060	15 x 60	M10	25	250
Ø 18				
DXE 00 18 075	18 x 75	M12	20	200
ETA-CE Option 7 Certified item / Agrément technique européen ETA-CE / ETA-CE Zulassung Homologación ETA-CE / Сертификация ETA-CE				



European Technical Assessment
ETAG 001 - PART 1 and 2
OPTION 7: for non-cracked concrete

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 ETA-CE Option 7
- 🇩🇪 Verzinkter Hülsenanker 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



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



European Technical Assessment
ETAG 001 - PART 1 and 2
OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



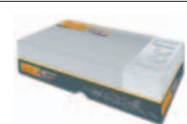
Zinc plated sleeve anchor with "hooked" nut, ETA-CE Opt.7 certified, for pre-positioned heavy duty fixings in non-cracked concrete. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

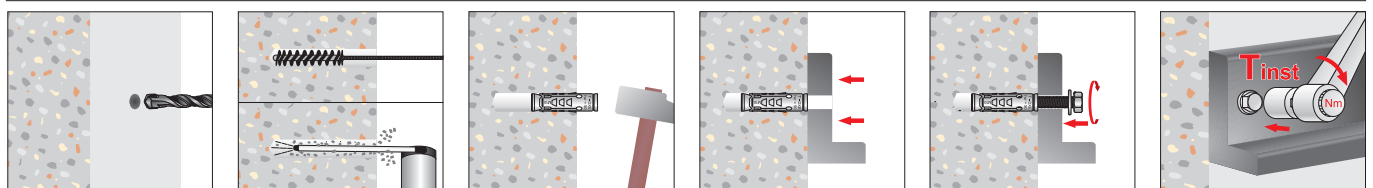
DoP



Box / Boîte / Verpackung / Caja / Упаковка



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



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 ETA-CE Option 7
- 🇩🇪 Verzinkter Hülsenanker 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 Assessment
ETAG 001 - PART 1 and 2
OPTION 7: for non-cracked concrete



Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DXE 03 10 060	10 x 45 / 5	M6 x 60	50	500
Ø 12 / M8 / SW: 13				
DXE 03 12 075	12 x 50 / 10	M8 x 75	25	250
Ø 15 / M10 / SW: 17				
DXE 03 15 095	15 x 60 / 20	M10 x 95	25	125
Ø 18 / M12 / SW: 19				
DXE 03 18 120	18 x 75 / 20	M12 x 120	20	100
ETA-CE Option 7 Certified item / Agrément technique européen ETA-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE				

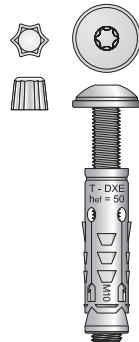
DXE 04

🇬🇧 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 ETA-CE Option 7
- 🇩🇪 Verzinkter Hülsenanker 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 Assessment
ETAG 001 - PART 1 and 2
OPTION 7: for non-cracked concrete



Item code	Anchor size $\varnothing \times L / t_{fix}$ (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 ETA-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE				

Usage / Utilisation / Benutzung / Uso / Применение



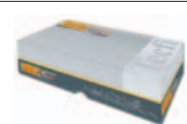
For pre-positioned heavy duty fixings in non-cracked concrete. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

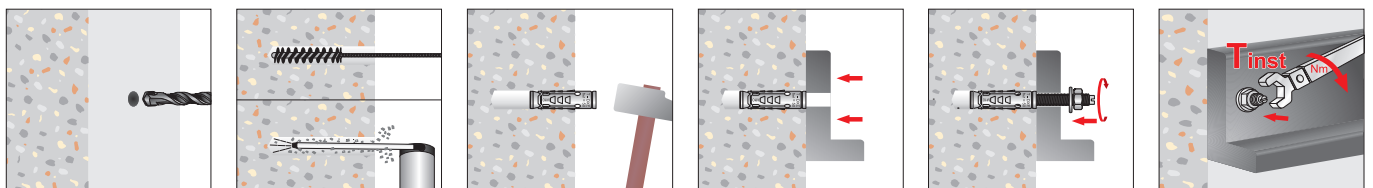
DoP



Box / Boîte / Verpackung / Caja / Упаковка



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



DX 00

🇬🇧 Sleeve anchor with nut, zinc plated

- 🇫🇷 Cheville à douille zinguée avec cône fixe
- 🇩🇪 Verzinkter Hülsenanker mit festem Konus
- 🇪🇸 Anclaje de camisa con cono enganchado, de acero cincado
- 🇷🇺 Втулочный стальной оцинкованный анкер

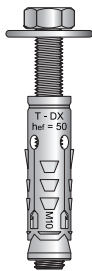


Item code	Anchor size Ø x L (mm)	Screw size M	Pcs. per box	Pcs. per carton
DX 00 10 045	10 x 45	M6	100	1.000
DX 00 12 050	12 x 50	M8	50	500
DX 00 15 060	15 x 60	M10	25	250
DX 00 18 075	18 x 75	M12	20	200

DX 01

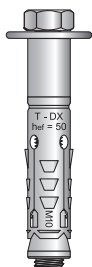
🇬🇧 Sleeve anchor with nut, with hex head screw 8.8 grade and washer, zinc plated

- 🇫🇷 Cheville à douille avec cône fixe, avec vis tête hexagonale classe 8.8
- 🇩🇪 Verzinkter Hülsenanker 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



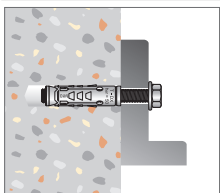
Item code	Anchor size Ø x L / t _{fix} (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DX 01 10 045	10 x 45 / 5	M6 x 50	50	500
Ø 12 / M8 / SW: 13				
DX 01 12 050	12 x 50 / 10	M8 x 60	50	500
Ø 15 / M10 / SW: 17				
DX 01 15 060	15 x 60 / 20	M10 x 80	25	250
Ø 18 / M12 / SW: 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 Ø x L / t _{fix} (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DX 01 10 070	10 x 70 / 25	M6 x 75	50	500
Ø 12 / M8 / SW: 13				
DX 01 12 075	12 x 75 / 25	M8 x 80	25	250
Ø 15 / M10 / SW: 17				
DX 01 15 085	15 x 85 / 25	M10 x 90	25	125
Ø 18 / M12 / SW: 19				
DX 01 18 105	18 x 105 / 30	M12 x 110	20	100

Usage / Utilisation / Benutzung / Uso / Применение

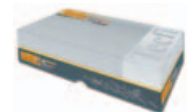


For heavy duty fixings in concrete.

Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



DX 70

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

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



Item code	Anchor size Ø x L (mm)	Screw size M	Pcs. per box	Pcs. per carton
DX 70 10 045	10 x 45	M6	50	500
DX 70 12 050	12 x 50	M8	50	500
DX 70 15 060	15 x 60	M10	25	250



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

DX 71

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

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



Item code	Anchor size Ø x L / t _{fix} (mm)	Screw size M x L _s (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DX 71 10 045	10 x 45 / 5	M6 x 50	50	500
Ø 12 / M8 / SW: 13				
DX 71 12 050	12 x 50 / 10	M8 x 60	50	500
Ø 15 / M10 / SW: 17				
DX 71 15 060	15 x 60 / 20	M10 x 80	25	250



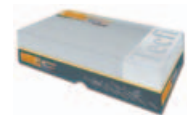
⚠️ **Until stockout / Jusqu'à épuisement de stocks / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока**

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

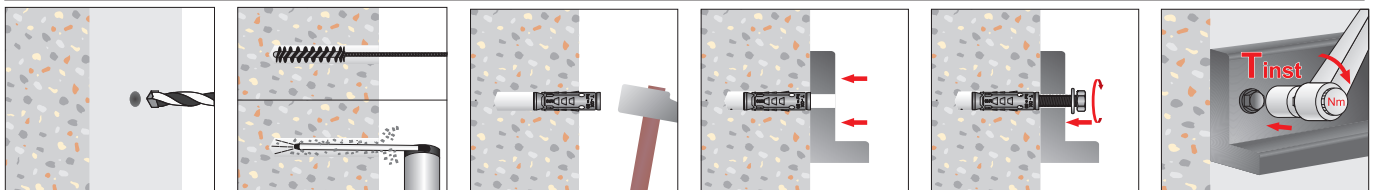
Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



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

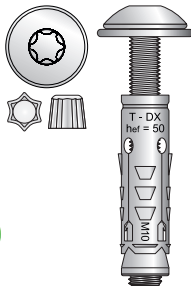


For pre-positioned heavy duty fixings in concrete.

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 Hülsenanker 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

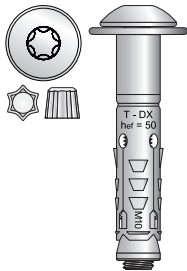


Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 / M8 / T-40				
DX 07 12 050	12 x 50 / 10	M8 x 65	50	500
Ø 15 / M10 / T-40				
DX 07 15 060	15 x 60 / 5	M10 x 65	25	250

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 Hülsenanker 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

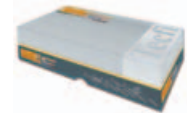


Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 / M8 / T-40				
DX 08 12 075	12 x 75 / 25	M8 x 85	25	250
Ø 15 / M10 / T-40				
DX 08 15 085	15 x 85 / 25	M10 x 85	25	125

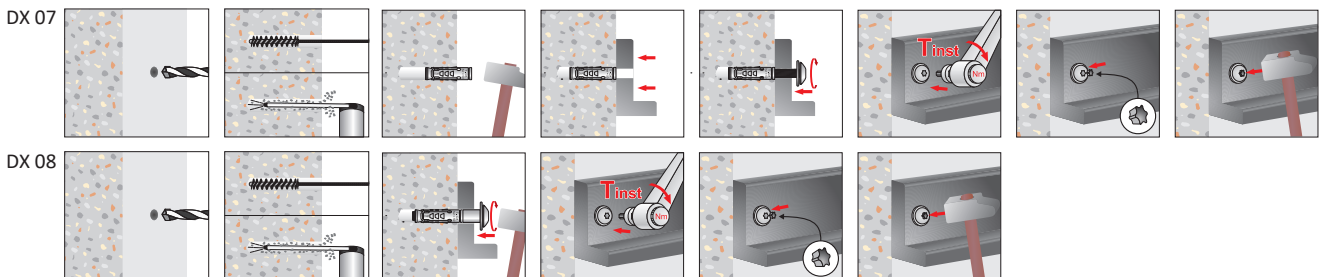
Technical Data Sheet



Box / Boîte / Verpackung / Caja / Упаковка



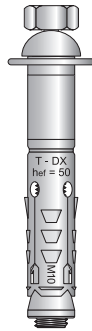
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DX 04

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

- FR** Cheville à douille zinguée avec cône fixe, avec tige filetée et écrou borgne à calotte de sécurité (rupture de l'hexagon Nm >13)
- DE** Verzinkter Hülsenanker mit festem Konus, mit Gewindestange und Hutmutter mit Intrusionsschutz (Anzugsdrehmoment Nm >13)
- ES** Anclaje de camisa con cono enganchado, montado con espárrago y cabeza semiesférica inviolable con tuerca hexagonal ciega de seguridad (par de ruptura Nm > 13), de acero cincado
- RU** Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой (сила затягивания для срыва гайки Nm > 13)

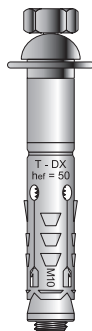


Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
$\varnothing 12 / M8 / SW: 13$				
DX 04 12 080	12 x 80 / 25	M8 x 85	50	250

DX 05 **INOX WAVE** Stainless Steel

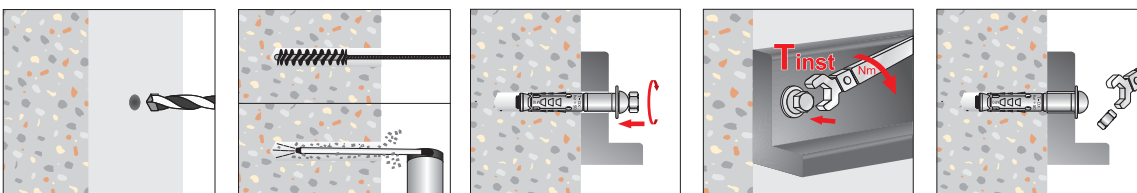
UK Zinc plated sleeve anchor with nut, with stud and A2 (AISI 304) stainless steel hemispheric shank hexagonal head blind security nut (breaking torque to cut the hexagon Nm > 13)

- FR** Cheville à douille zinguée avec cône fixe, avec tige filetée et écrou borgne en acier inox à calotte de sécurité (rupture de l'hexagon Nm >13)
- DE** Verzinkter Hülsenanker mit festem Konus, mit Gewindestange und Edelstahl Hutmutter mit Intrusionsschutz (Anzugsdrehmoment Nm >13)
- ES** 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) (par de ruptura Nm > 13), de acero cincado
- RU** Втулочный стальной оцинкованный анкер с резьбовым стержнем и колпачковой шестигранной антивандальной гайкой из нержавеющей стали A2 (сила затягивания для срыва гайки Nm > 13)



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

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



Technical Data Sheet



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 Hülsenanker 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



Technical Data Sheet



Item code	Anchor size Ø x L (mm)	Screw size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DX 03 10 045	10 x 45	M6 x 55	50	500
Ø 12 / M8 / SW: 13				
DX 03 12 050	12 x 50	M8 x 65	50	250
Ø 15 / M10 / SW: 17				
DX 03 15 060	15 x 60	M10 x 81	25	125
Ø 18 / M12 / SW: 19				
DX 03 18 075	18 x 75	M12 x 98	15	75

DX 02

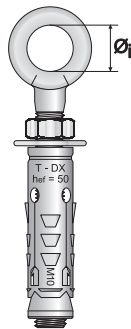
🇬🇧 Sleeve anchor with nut, with eye screw, hex nut and large washer, zinc plated

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

🇩🇪 Verzinkter Hülsenanker 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

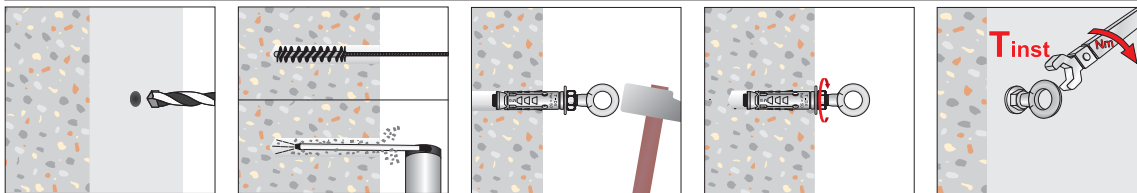


Technical Data Sheet

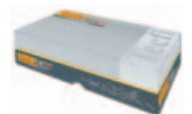


Item code	Anchor size Ø x L (mm)	Screw size M x Ls x Øi (mm)	Pcs. per box	Pcs. per carton
Ø 10 / M6 / SW: 10				
DX 02 10 045	10 x 45	M6 x 55 x 10	50	500
Ø 12 / M8 / SW: 13				
DX 02 12 050	12 x 50	M8 x 65 x 11,5	50	250
Ø 15 / M10 / SW: 17				
DX 02 15 060	15 x 60	M10 x 81 x 14	25	125
Ø 18 / M12 / SW: 19				
DX 02 18 075	18 x 75	M12 x 98 x 17	15	75

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



Box / Boîte / Verpackung
Caja / Упаковка



DX 06

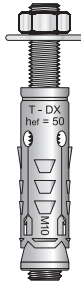
🇬🇧 Sleeve anchor with nut, with stud 5.8 grade, hex nut and large washer, zinc plated

🇫🇷 Cheville à douille zinguée avec cône fixe, avec tige filetée classe 5.8, écrou hexagonal et rondelle large

🇩🇪 Verzinkter Hülsenanker mit festem Konus, Gewindestange Klasse 5.8, Sechskantmutter und breiter Scheibe

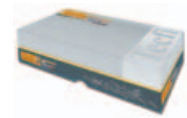
🇪🇸 Anclaje de camisa con cono enganchado, montado con espárrago clase 5.8, tuerca hexagonal y arandela ancha, de acero cincado

🇷🇺 Втулочный стальной оцинкованный анкер с резьбовым стержнем класса 5.8, с шестигранной гайкой и широкой шайбой

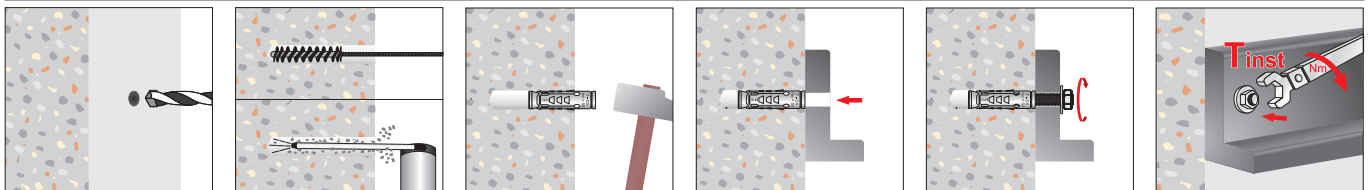


Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
$\varnothing 10 / M6 / SW: 10$				
DX 06 10 045	10 x 45 / 10	M6 x 65	50	500
$\varnothing 12 / M8 / SW: 13$				
DX 06 12 050	12 x 50 / 15	M8 x 75	50	500
$\varnothing 15 / M10 / SW: 17$				
DX 06 15 060	15 x 60 / 20	M10 x 95	25	250
$\varnothing 18 / M12 / SW: 19$				
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



CP 01

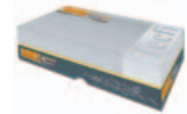
🇬🇧 Zinc plated steel anchor with wings with nut, with plastic ring and undercap

- 🇫🇷 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 усам



Item code	Anchor size	Screw size	Pcs. per box	Pcs. per carton
	∅ x L (mm)	M		
CP 01 12 045	12 x 45	M6	100	1.000
CP 01 14 050	14 x 50	M8	50	500
CP 01 16 060	16 x 60	M10	50	500
CP 01 20 075	20 x 75	M12	20	200
CP 01 24 095	24 x 95	M16	15	150

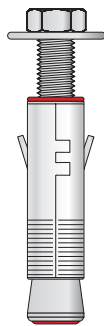
Box / Boîte / Verpackung / Caja / Упаковка



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 und breiter Scheibe
- 🇪🇸 Anclaje de acero cincado con cono enganchado, con dos alas, montado con tornillo cabeza hexagonal clase 8.8
- 🇷🇺 Втулочный стальной оцинкованный анкер с блокировочными усам с болтом с шестигранной головкой класса 8.8



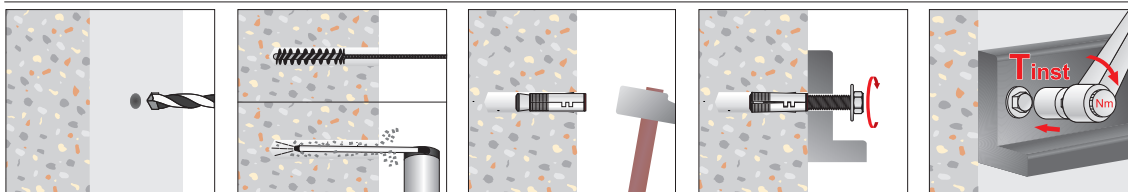
Item code	Anchor size	Screw size	Pcs. per box	Pcs. per carton
	∅ x L / t _{fix} (mm)	M x L _s (mm)		
∅ 12 / M6 / SW: 10				
in CQ 01 12 045	12 x 45 / 5	M6 x 50	50	500
∅ 14 / M8 / SW: 13				
in CQ 01 14 050	14 x 50 / 10	M8 x 60	50	250
∅ 16 / M10 / SW: 17				
in CQ 01 16 060	16 x 60 / 15	M10 x 80	25	125
∅ 20 / M12 / SW: 19				
CQ 01 20 075	20 x 75 / 10	M12 x 90	15	75
∅ 24 / M16 / SW: 24				
CQ 01 24 095	24 x 95 / 10	M16 x 110	10	50



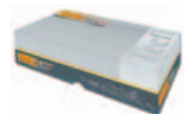
Technical Data Sheet



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



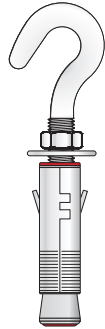
Box / Boîte / Verpackung
Caja / Упаковка



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 усам с крюком, с шестигранной гайкой и широкой шайбой

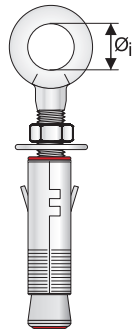


Item code	Anchor size Ø x L (mm)	Stud size M x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 12 / M6 / SW: 10				
CS 01 12 045	12 x 45	M6 x 55	50	500
Ø 14 / M8 / SW: 13				
CS 01 14 050	14 x 50	M8 x 65	50	250
Ø 16 / M10 / SW: 17				
CS 01 16 060	16 x 60	M10 x 81	25	125
Ø 20 / M12 / SW: 19				
CS 01 20 075	20 x 75	M12 x 98	15	75

CT 01

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

- 🇫🇷 Cheville zinguée avec deux ailettes, avec oeillet, écrou hexagonal et rondelle large
- 🇩🇪 Verzinkter Anker mit zwei Flügel, mit Augenschraube, Sechskantmutter und breiter Scheibe
- 🇪🇸 Anclaje de acero cincado con cono enganchado, con dos alas, montado con argolla, tuerca hexagonal y arandela ancha
- 🇷🇺 Втулочный стальной оцинкованный анкер с блокировочными усам с кольцом, с шестигранной гайкой и широкой шайбой

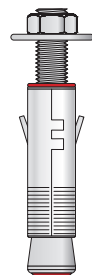


Item code	Anchor size Ø x L (mm)	Stud size M x Ls x Øi (mm)	Pcs. per box	Pcs. per carton
Ø 12 / M6 / SW: 10				
CT 01 12 045	12 x 45	M6 x 55 x 10	50	500
Ø 14 / M8 / SW: 13				
CT 01 14 050	14 x 50	M8 x 65 x 11,5	50	250
Ø 16 / M10 / SW: 17				
CT 01 16 060	16 x 60	M10 x 81 x 14	25	125
Ø 20 / M12 / SW: 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 fileté 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 усам с резьбовым стержнем класса 5.8, с шестигранной гайкой и широкой шайбой



Item code	Anchor size Ø x L / t _{fix} (mm)	Stud size M x L (mm)	Pcs. per box	Pcs. per carton
Ø 12 / M6 / SW: 10				
CR 01 12 045	12 x 45 / 10	M6 x 65	50	500
Ø 14 / M8 / SW: 13				
CR 01 14 050	14 x 50 / 15	M8 x 75	50	250
Ø 16 / M10 / SW: 17				
CR 01 16 060	16 x 60 / 20	M10 x 95	25	125
Ø 20 / M12 / SW: 19				
CR 01 20 075	20 x 75 / 25	M12 x 115	15	75

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 ETA-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Anker mit speziellem Feinblech, Sechskantmutter und Scheibe, mit ETA-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



Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 8$ / SW: 13			
AJE 01 08 080	8 x 80 / 10	50	250
AJE 01 08 090	8 x 90 / 20	50	250
AJE 01 08 110	8 x 110 / 40	50	250
AJE 01 08 130	8 x 130 / 60	50	250
AJE 01 08 170	8 x 170 / 100	25	125
$\varnothing 10$ / SW: 17			
AJE 01 10 095	10 x 95 / 10	25	125
AJE 01 10 105	10 x 105 / 20	25	125
AJE 01 10 125	10 x 125 / 40	25	125
AJE 01 10 145	10 x 145 / 60	25	125
AJE 01 10 185	10 x 185 / 100	25	125
AJE 01 10 245	10 x 245 / 160	15	75
$\varnothing 12$ / SW: 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	15	75
AJE 01 12 165	12 x 165 / 60	15	75
AJE 01 12 205	12 x 205 / 100	10	50
AJE 01 12 225	12 x 225 / 120	10	50
AJE 01 12 245	12 x 245 / 140	10	50
AJE 01 12 265	12 x 265 / 160	10	50
AJE 01 12 305	12 x 305 / 200	15	45
AJE 01 12 350	12 x 350 / 245	15	45
$\varnothing 16$ / SW: 24			
AJE 01 16 130	16 x 130 / 5	10	50
AJE 01 16 145	16 x 145 / 20	10	50
AJE 01 16 165	16 x 165 / 40	5	25
AJE 01 16 225	16 x 225 / 100	5	25
$\varnothing 20$ / SW: 30			
AJE 01 20 170	20 x 170 / 30	5	25
AJE 01 20 200	20 x 200 / 60	5	25



European Technical Assessment
ETAG 001 - PART 1 and 2 and ANNEX E
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C2-C1

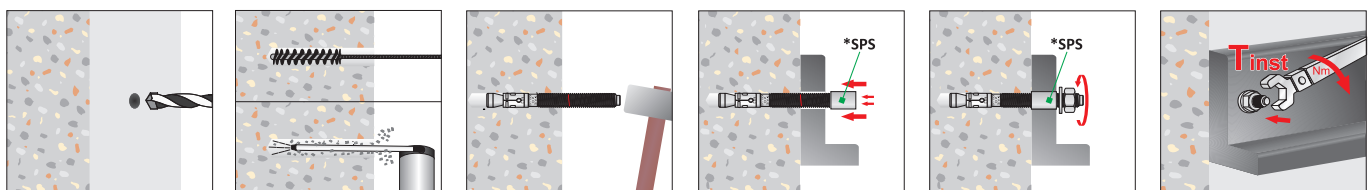
DoP Box / Boîte / Verpackung / Caja / Упаковка

Usage / Utilisation / Benutzung / Uso / Применение

ANCHOR TADS 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.

Tecfi Anchor Design Software www.tecfi.it/tads

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.

Heavy duty / Lourdes / Schwere Befestigungen / Fijaciones Pesadas / Крепеж для Тяжелых Конструкций

SEISMIC FIXING SOLUTIONS

WEDGE ANCHORS - ETA-CE CERTIFIED

option **1**

- ▶ 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



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 - Tech Anchor Design Software for computer aided design of Anchorage



RoHS free in compliance with European Directive RoHS 2 2011/65/UE

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

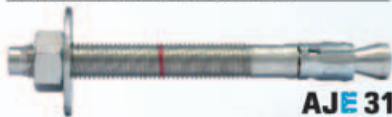
Min embedment depth

Tensile strength
 Min 800 N/mm² (body)

Digits showing sizes and Tfix

Special Expansion sleeve

Version with Special Large washer



NO HAMMERING EFFECT

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



HALF SHEAR CAPACITY

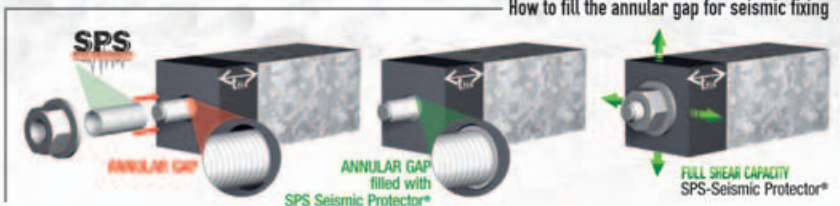
In presence of annular gap the design shear resistance of the anchor is affected by **50% reduction**.



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



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 ETA-CE Option 1 et catégorie de performance C2-C1 en zone sismique
- Anker mit speziellem Feinblech, Sechskantmutter und breiter Scheibe, mit ETA-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



Item code	Anchor size Ø x L / t _{fix} (mm)	Pcs. per box	Pcs. per carton
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Ø 8 / SW: 13			
AJE 31 08 080	8 x 80 / 10	50	250
AJE 31 08 090	8 x 90 / 20	50	250
AJE 31 08 110	8 x 110 / 40	50	250
AJE 31 08 130	8 x 130 / 60	50	250
AJE 31 08 170	8 x 170 / 100	25	125

Ø 10 / SW: 17			
AJE 31 10 095	10 x 95 / 10	25	125
AJE 31 10 105	10 x 105 / 20	25	125
AJE 31 10 125	10 x 125 / 40	25	125
AJE 31 10 145	10 x 145 / 60	25	125
AJE 31 10 185	10 x 185 / 100	25	125
AJE 31 10 245	10 x 245 / 160	15	75

Ø 12 / SW: 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	15	75
AJE 31 12 165	12 x 165 / 60	15	75
AJE 31 12 205	12 x 205 / 100	10	50
AJE 31 12 225	12 x 225 / 120	10	50
AJE 31 12 245	12 x 245 / 140	10	50
AJE 31 12 265	12 x 265 / 160	10	50
AJE 31 12 305	12 x 305 / 200	15	45
AJE 31 12 350	12 x 350 / 245	15	45

Ø 16 / SW: 24			
AJE 31 16 130	16 x 130 / 5	10	50
AJE 31 16 145	16 x 145 / 20	10	50
AJE 31 16 165	16 x 165 / 40	5	25
AJE 31 16 225	16 x 225 / 100	5	25

Ø 20 / SW: 30			
AJE 31 20 170	20 x 170 / 30	5	25
AJE 31 20 200	20 x 200 / 60	5	25

- ETA-CE Option 1 Certified item / Agrément technique européen ETA-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



European Technical Assessment
ETAG 001 - PART 1 and 2 and ANNEX E
OPTION 1: for cracked and non-cracked concrete
Seismic assessment: performance category C2-C1

DoP Box / Boîte / Verpackung / Caja / Упаковка

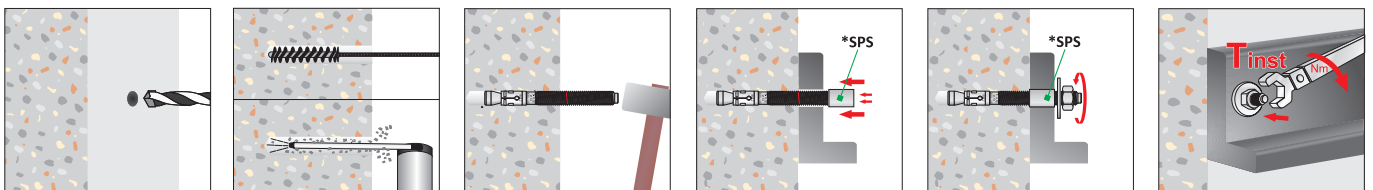


Usage / Utilisation / Benutzung / Uso / Применение

ANCHOR TADS 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.

Tecfi Anchor Design Software www.tecfi.it/tads

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

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

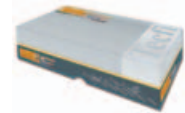
Seismic Protector® - cilindro especial de acero cincado, para fijar anclajes AJE en zona sísmica

Seismic Protector® - специальный цилиндр из оцинкованной стали, для монтажа с анкером AJE в сейсмической зоне

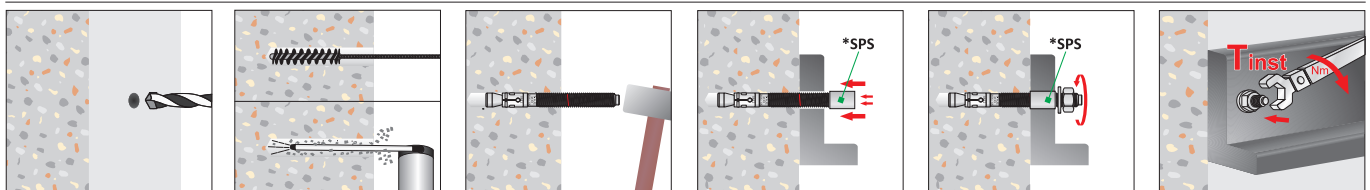


Item code	Size Ø x L (mm)	Pcs. per box	Pcs. per carton
Ø 12 - for AJE anchors Ø10			
SPS 01 12 010	12 x 10	50	500
SPS 01 12 020	12 x 20	50	500
SPS 01 12 040	12 x 40	50	500
SPS 01 12 060	12 x 60	50	500
SPS 01 12 080	12 x 80	30	300
SPS 01 12 100	12 x 100	25	250
Ø 14 - for AJE anchors Ø12			
SPS 01 14 010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

ZJE 01

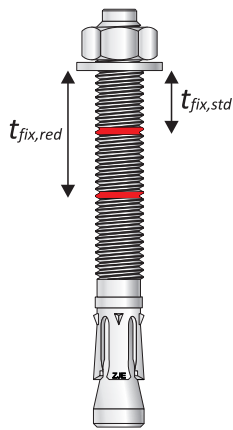
🇬🇧 **Wedge anchor in carbon steel, with nut and washer, zinc plated, ETA-CE Opt.7 certified**

🇫🇷 Barre d'ancrage zinguée avec écrou et rondelle, certification ETA-CE Option 7

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

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

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



Item code	Anchor size Ø x L (mm)	Fixture thickness (mm)		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 / SW: 10					
in ZJE 01 06 060	6 x 60	2	-	100	1.000
ZJE 01 06 080	6 x 80	22	-	100	500
ZJE 01 06 100	6 x 100	42	-	100	500
ZJE 01 06 120	6 x 120	62	-	100	500
Ø 8 / SW: 13					
ZJE 01 08 060	8 x 60	-	3	100	500
in ZJE 01 08 075	8 x 75	5	18	50	250
in ZJE 01 08 090	8 x 90	20	33	50	250
ZJE 01 08 115	8 x 115	45	58	50	250
ZJE 01 08 130	8 x 130	60	73	50	250
Ø 10 / SW: 17					
in ZJE 01 10 070	10 x 70	-	3	50	250
ZJE 01 10 080	10 x 80	-	13	50	250
in ZJE 01 10 090	10 x 90	10	23	50	250
in ZJE 01 10 120	10 x 120	40	53	25	125
ZJE 01 10 150	10 x 150	70	83	25	125
Ø 12 / SW: 19					
ZJE 01 12 090	12 x 90	-	13	25	125
in ZJE 01 12 110	12 x 110	18	33	25	125
ZJE 01 12 140	12 x 140	48	63	20	100
ZJE 01 12 160	12 x 160	68	83	15	75
ZJE 01 12 180	12 x 180	88	103	15	75
ZJE 01 12 200	12 x 200	108	123	15	75
ZJE 01 12 250	12 x 250	158	173	15	75
New Item ZJE 01 12 280	12 x 280	188	203	10	50
Ø 14 / SW: 22					
ZJE 01 14 120	14 x 120	12	-	15	75
ZJE 01 14 145	14 x 145	37	-	15	75
ZJE 01 14 170	14 x 170	62	-	10	50
Ø 16 / SW: 24					
ZJE 01 16 125	16 x 125	3	22	10	50
ZJE 01 16 145	16 x 145	23	42	10	50
ZJE 01 16 170	16 x 170	48	67	10	50
ZJE 01 16 220	16 x 220	98	117	5	25
ZJE 01 16 250	16 x 250	128	147	5	25
ZJE 01 16 280	16 x 280	158	177	5	25
Ø 20 / SW: 30					
ZJE 01 20 170	20 x 170	23	49	5	25
ZJE 01 20 220	20 x 220	73	99	5	25

ETA-CE Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601

Available from October 2023 / Disponible à compter de Octobre 2023 / Verfügbar ab Oktober 2023 / Disponible desde Octubre 2023 / В наличии с октября 2023

Usage / Utilisation / Benutzung / Uso / Применение



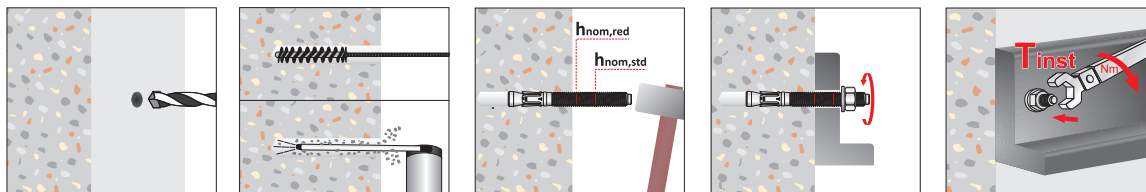
For heavy duty fixings in non-cracked concrete. Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

DoP

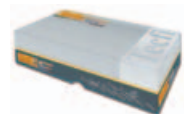


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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)

Box / Boîte / Verpackung
Caja / Упаковка



ZJE 31

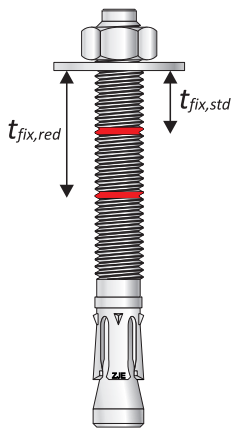
🇬🇧 **Wedge anchor in carbon steel, with nut and large series washer, zinc plated, ETA-CE Opt.7 certified**

🇫🇷 Barre d'ancrage zinguée avec écrou et rondelle large, certification ETA-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



Item code	Anchor size Ø x L (mm)	Fixture thickness (mm)		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 / SW: 10					
★ ZJE 31 06 060	6 x 60	2	-	100	1.000
★ ZJE 31 06 080	6 x 80	22	-	100	500
★ ZJE 31 06 100	6 x 100	42	-	100	500
★ ZJE 31 06 120	6 x 120	62	-	100	500
Ø 8 / SW: 13					
★ ZJE 31 08 060	8 x 60	-	2	100	500
★ ZJE 31 08 075	8 x 75	4	17	50	250
★ ZJE 31 08 090	8 x 90	19	32	50	250
★ ZJE 31 08 115	8 x 115	44	57	50	250
★ ZJE 31 08 130	8 x 130	59	72	50	250
Ø 10 / SW: 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	125
★ ZJE 31 10 150	10 x 150	70	83	25	125
Ø 12 / SW: 19					
★ ZJE 31 12 090	12 x 90	-	11	25	125
★ ZJE 31 12 110	12 x 110	16	31	25	125
★ ZJE 31 12 140	12 x 140	46	61	20	100
★ ZJE 31 12 160	12 x 160	66	81	15	75
★ ZJE 31 12 180	12 x 180	86	101	15	75
★ ZJE 31 12 200	12 x 200	106	121	15	75
★ ZJE 31 12 250	12 x 250	156	171	15	75
★ ZJE 31 12 280	12 x 280	186	201	10	50
Ø 14 / SW: 22					
★ ZJE 31 14 120	14 x 120	12	-	15	75
★ ZJE 31 14 145	14 x 145	37	-	15	75
★ ZJE 31 14 170	14 x 170	62	-	10	50
Ø 16 / SW: 24					
★ ZJE 31 16 125	16 x 125	1	20	10	50
★ ZJE 31 16 145	16 x 145	21	40	10	50
★ ZJE 31 16 170	16 x 170	46	65	10	50
★ ZJE 31 16 220	16 x 220	96	115	5	25
★ ZJE 31 16 250	16 x 250	126	145	5	25
★ ZJE 31 16 280	16 x 280	156	175	5	25
Ø 20 / SW: 30					
★ ZJE 31 20 170	20 x 170	21	47	5	25
★ ZJE 31 20 220	20 x 220	71	97	5	25

New Item ⚠️

★ ETA-CE Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601

⚠️ Available from October 2023 / Disponible à compter de Octobre 2023 / Verfügbar ab Oktober 2023 / Disponible desde Octubre 2023 / В наличии с октябрь2023



European Technical Assessment
EAD330232-00-0601
OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



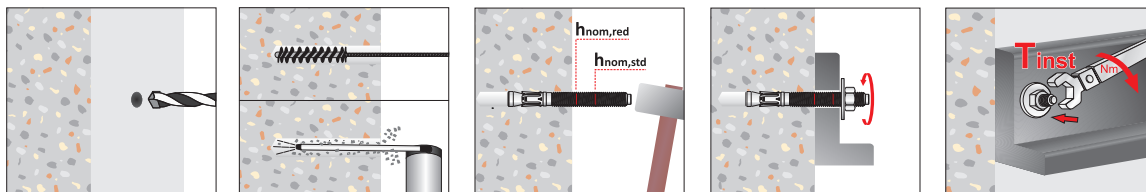
For heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

DoP

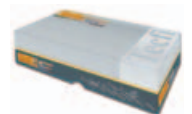


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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)

Box / Boîte / Verpackung
Caja / Упаковка



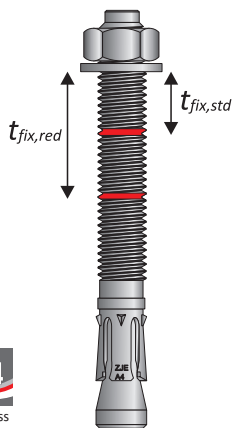
UK A4 (AISI 316) stainless steel wedge anchor, with nut and washer, ETA-CE Opt.7 certified




















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

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

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

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



Item code	Anchor size Ø x L (mm)	Fixture thickness (mm)		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 / SW: 10					
 ZJE 71 06 060	6 x 60	2	-	100	1.000
 ZJE 71 06 080	6 x 80	22	-	100	500
Ø 8 / SW: 13					
 ZJE 71 08 075	8 x 75	5	17	50	250
 ZJE 71 08 090	8 x 90	20	32	50	250
 ZJE 71 08 115	8 x 115	45	57	50	250
Ø 10 / SW: 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	25	125
 ZJE 71 10 150	10 x 150	70	83	25	125
Ø 12 / SW: 19					
 ZJE 71 12 090	12 x 90	-	13	25	125
 ZJE 71 12 110	12 x 110	18	33	25	125
 ZJE 71 12 140	12 x 140	48	63	20	100
 ZJE 71 12 180	12 x 180	88	103	15	75
Ø 16 / SW: 24					
 ZJE 71 16 090	16 x 90	-	-	10	50
 ZJE 71 16 125	16 x 125	3	22	10	50
 ZJE 71 16 145	16 x 145	23	42	10	50
 ZJE 71 16 170	16 x 170	48	67	10	50
Ø 20 / SW: 30					
 ZJE 71 20 170	20 x 170	23	49	5	25
 ZJE 71 20 220	20 x 220	73	99	5	25

New Item

 **ETA-CE Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE- pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE – para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601**


 **Item without ETA-CE Certification/Article sans certification/Artikel ohne Zulassung/Medida no homologada ETA-CE/Армукун без сертификата ETA-CE**

 **Available from October 2023 / Disponible à compter de Octobre 2023 / Verfügbar ab Oktober 2023 / Disponible desde Octubre 2023 / В наличии с октября 2023**



European Technical Assessment
EAD330232-00-0601
OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение

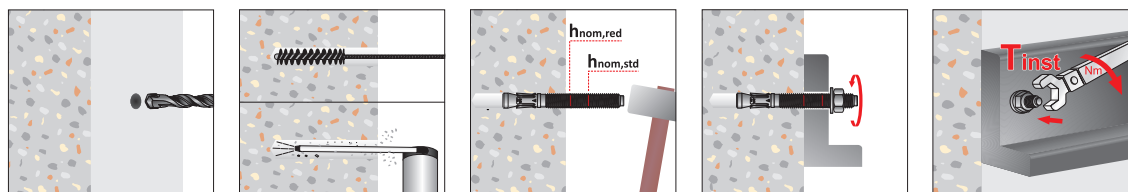
 For heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

DoP

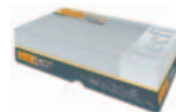


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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)

Box / Boîte / Verpackung
Caja / Упаковка



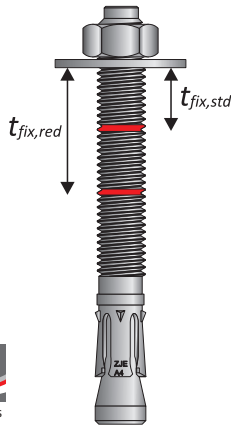
🇬🇧 A4 (AISI 316) stainless steel wedge anchor, with nut and large series washer, ETA-CE Opt.7 certified

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



Item code	Anchor size Ø x L (mm)	Fixture thickness (mm)		Pcs. per box	Pcs. per carton
		t _{fix,std}	t _{fix,red}		
Ø 6 / SW: 10					
★ ZJE 81 06 060	6 x 60	2	-	100	1.000
★ ZJE 81 06 080	6 x 80	22	-	100	500
Ø 8 / SW: 13					
★ ZJE 81 08 075	8 x 75	4	17	50	250
★ ZJE 81 08 090	8 x 90	19	32	50	250
★ ZJE 81 08 115	8 x 115	44	57	50	250
Ø 10 / SW: 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	125
★ ZJE 81 10 150	10 x 150	70	83	25	125
Ø 12 / SW: 19					
★ ZJE 81 12 090	12 x 90	-	11	25	125
★ ZJE 81 12 110	12 x 110	16	31	25	125
★ ZJE 81 12 140	12 x 140	46	61	20	100
New Item ★ ZJE 81 12 180	12 x 180	86	101	15	75
Ø 16 / SW: 24					
⚠ ZJE 81 16 090	16 x 90	-	-	10	50
★ ZJE 81 16 125	16 x 125	1	20	10	50
★ ZJE 81 16 145	16 x 145	21	40	10	50
★ ZJE 81 16 170	16 x 170	46	65	10	50
Ø 20 / SW: 30					
★ ZJE 81 20 170	20 x 170	21	47	5	25
★ ZJE 81 20 220	20 x 220	71	97	5	25

New Item

★ **ETA-CE Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601**

⚠ **Item without ETA-CE Certification / Article sans certification / Artikel ohne Zulassung / Medida no homologada ETA-CE / Арматура без сертификата ETA-CE**

⚠ **Available from October 2023 / Disponible à compter de Octobre 2023 / Verfügbar ab Oktober 2023 / Disponible desde Octubre 2023 / В наличии с октября 2023**



European Technical Assessment
EAD330232-00-0601
OPTION 7: for non-cracked concrete

Usage / Utilisation / Benutzung / Uso / Применение



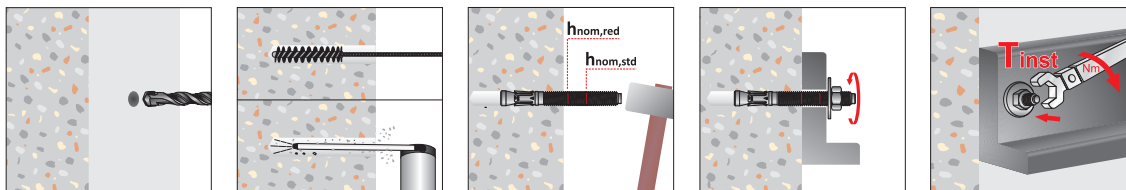
For heavy duty fixings in non-cracked concrete.
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

Tecfi Anchor Design Software www.tecfi.it/tads

DoP

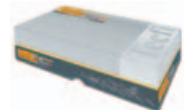


Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



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)

Box / Boîte / Verpackung
Caja / Упаковка



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



New Item

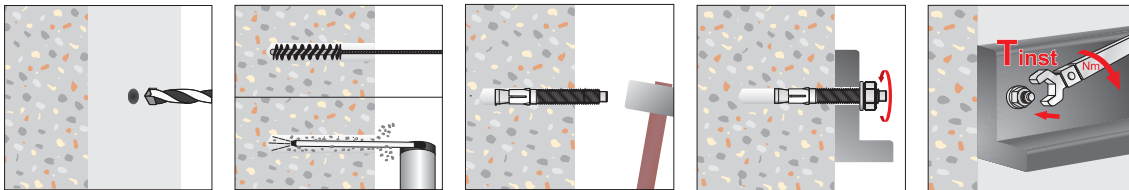
Technical Data Sheet



Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
Ø 8 / SW: 13			
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 / SW: 17			
AJ 04 10 070	10 x 70 / 5	50	500
AJ 04 10 080	10 x 80 / 5	50	250
AJ 04 10 090	10 x 90 / 15	50	250
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 / SW: 19			
AJ 04 12 080	12 x 80 / 5	50	250
AJ 04 12 095	12 x 95 / 5	50	250
AJ 04 12 110	12 x 110 / 20	50	250
AJ 04 12 130	12 x 130 / 40	25	125
AJ 04 12 160	12 x 160 / 70	25	125
 AJ 04 12 280	12 x 280 / 190	10	50
Ø 16 / SW: 24			
AJ 04 16 125	16 x 125 / 5	25	125
AJ 04 16 145	16 x 145 / 25	20	100
AJ 04 16 180	16 x 180 / 60	15	75
Ø 24 / SW: 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

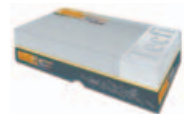
 **Until stockout / Jusqu'à épuisement de stocks / Solange der Vorrat reicht / Hasta agotar existencias / до окончания стока**

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



For general fixings in concrete.

Box / Boîte / Verpackung
Caja / Упаковка



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



SW



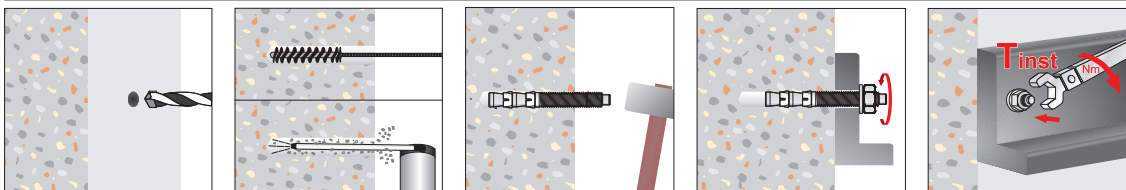
CrVI Free

Technical
Data Sheet



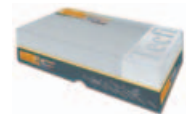
Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 6$ / SW: 10			
AJ 02 06 065	6 x 65 / 15	100	1.000
AJ 02 06 100	6 x 100 / 50	100	1.000
$\varnothing 8$ / SW: 13			
AJ 02 08 060	8 x 60 / 5	100	1.000
AJ 02 08 080	8 x 80 / 25	100	500
AJ 02 08 115	8 x 115 / 60	50	500
AJ 02 08 135	8 x 135 / 80	50	500
$\varnothing 10$ / SW: 17			
AJ 02 10 070	10 x 70 / 5	50	500
AJ 02 10 140	10 x 140 / 75	50	250
$\varnothing 12$ / SW: 19			
AJ 02 12 100	12 x 100 / 20	50	250
AJ 02 12 140	12 x 140 / 60	25	125
AJ 02 12 180	12 x 180 / 100	25	125

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



For general fixings in concrete.

Box / Boîte / Verpackung
Caja / Упаковка



HLE 01

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 ETA-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



DoP



European Technical Assessment
EAD 330747-00-0601
Fasteners for use in concrete for redundant non-structural systems
for cracked and non-cracked concrete



European Technical Assessment
EAD 330232-00-0601
OPTION 7: for non-cracked concrete

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

Available on request

HLE 01 08 025	M8 x 10 x 25	100	1.600
HLE 01 08 040	M8 x 10 x 40	100	1.600
HLE 01 10 025	M10 x 12 x 25	50	1.000
HLE 01 12 025	M12 x 15 x 25	50	500

ETA-CE Certified item according to EAD 330232-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330232-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330232-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330232-00-0601 / Сертифицированный ETA-CE EAD 330232-00-0601

ETA-CE Certified item according to EAD 330747-00-0601 / Produit Certifié ETA-CE - pour applications selon l' EAD 330747-00-0601 / ETA-CE zertifiziertes Produkt - für Anwendungen gemäß EAD 330747-00-0601 / Homologación ETA-CE - para aplicaciones según EAD 330747-00-0601 / Сертифицированный ETA-CE EAD 330747-00-0601

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

Available on request (quantity and delivery time to be agreed) / Disponible sur demande (quantité et délai de livraison à concorder) / Auf Anfrage verfügbar (Menge und Liefertermin zu vereinbaren) / Disponible bajo solicitud, con cantidad y plazo de entrega a concordar / Производство на заказ, количество и сроки по договоренности

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 забивной анкера HLE 01



European Technical Assessment

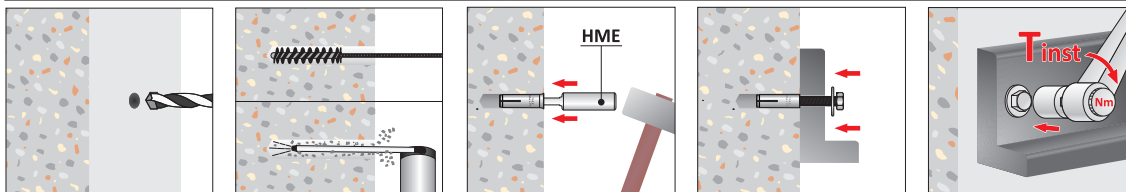
Item code	Suitable for anchor	Pcs. per carton
	M x Ø x L (mm)	
HME 01 06 025	M6 x 8 x 25	1
HME 01 08 030	M8 x 10 x 30	1
HME 01 10 030	M10 x 12 x 30	1
HME 01 10 040	M10 x 12 x 40	1
HME 01 12 050	M12 x 15 x 50	1
HME 01 16 065	M16 x 20 x 65	1

Available on request

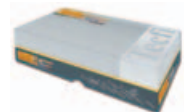
HME 01 08 025	M8 x 10 x 25	1
HME 01 08 040	M8 x 10 x 40	1
HME 01 10 025	M10 x 12 x 25	1
HME 01 12 025	M10 x 12 x 25	1

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)

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



Box / Boîte / Verpackung
Caja / Упаковка




HL 01

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

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

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

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

 Оцинкованный забивной анкер (инструмент для забивания HM01)



Technical
Data Sheet



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

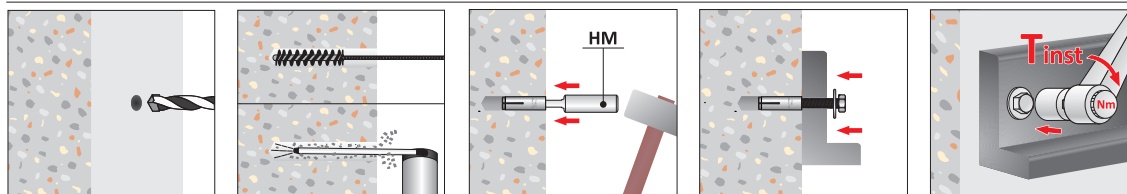
HM 01 Zinc plated special tool, suitable for hammering item HL 01 (Drop-in anchor)

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

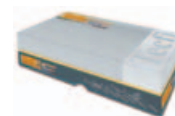


Item code	Suitable for anchor	Pcs. per box
	M	
HM 01 06 115	M6	1
HM 01 08 115	M8	1
HM 01 10 127	M10	1
HM 01 12 140	M12	1
HM 01 16 152	M16	1
HM 01 20 152	M20	1

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



Box / Boîte / Verpackung
Caja / Упаковка



AW 01

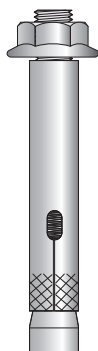
🇬🇧 Sleeve anchor with flanged nut with serration, zinc plated

- 🇫🇷 Cheville à douille zinguée avec écrou à embase moleté
- 🇩🇪 Verzinkter Hülsenanker mit gerändelter Schraubenmutter mit Flansch
- 🇪🇸 Anclaje de camisa con tuerca rebordeada y estriada, de acero cincado
- 🇷🇺 Оцинкованный анкер с фланцевой гайкой



SW

Technical
Data Sheet



Item code	Anchor size $\varnothing \times L / t_{fix}$ (mm)	Stud size M	Pcs. per box	Pcs. per carton
$\varnothing 8 / M6 / SW: 10$				
AW 01 08 065	8 x 65 / 10	M6	50	500
$\varnothing 10 / M8 / SW: 13$				
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
$\varnothing 12 / M10 / SW: 15$				
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
$\varnothing 16 / M12 / SW: 18$				
AW 01 16 111	16 x 111 / 20	M12	15	150
AW 01 16 147	16 x 147 / 30	M12	15	75

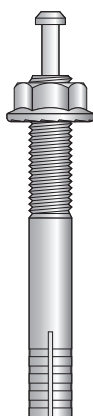
EB 01

🇬🇧 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



SW



Usage / Utilisation / Benutzung / Uso / Применение

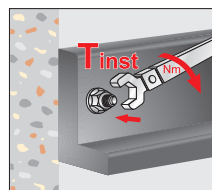
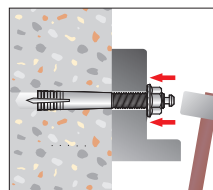
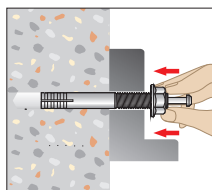
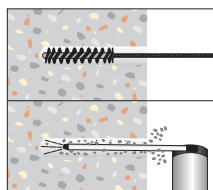
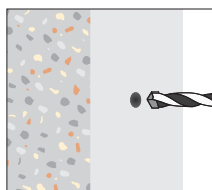


For general fixings in concrete.

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

Item code	Size $\varnothing \times L / t_{fix}$ (mm)	Pcs. per box	Pcs. per carton
$\varnothing 6 / SW: 10$			
EB 01 06 045	6 x 45 / 5	50	500
EB 01 06 060	6 x 60 / 20	50	500
$\varnothing 8 / SW: 13$			
EB 01 08 050	8 x 50 / 5	50	500
EB 01 08 070	8 x 70 / 25	50	500
$\varnothing 10 / SW: 15$			
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
$\varnothing 12 / SW: 18$			
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
$\varnothing 16 / SW: 24$			
EB 01 16 100	16 x 100 / 5	20	100
EB 01 16 120	16 x 120 / 25	20	100

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



Technical
Data Sheet



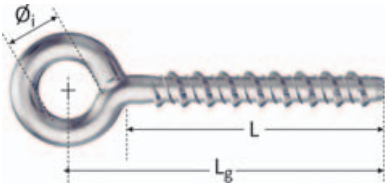
FX 01^{NEW} - FXL 01^{NEW}



🇬🇧 **Welded eyebolt concrete screw (Patented thread), carbon steel, hardened, zinc plated**

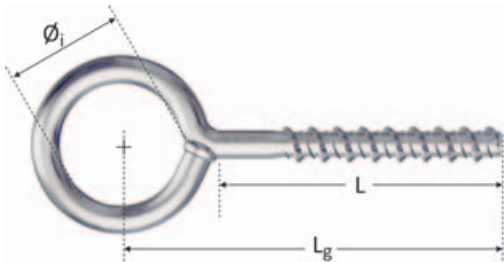
- 🇫🇷 Vis à béton (filetage breveté) à œil soudé en acier au carbone, zingué
- 🇩🇪 Geschweisster Augbolzen aus Kohlenstoffstahl (mit patentiertem Gewinde), einsatzgehärtet, verzinkt
- 🇪🇸 Argolla con rosca patentada para hormigón, de acero cementado, cincada
- 🇷🇺 Приварной оцинкованный рым-болт по бетону из закаленной углеродистой стали

FX 01 eye \varnothing 23 mm / œil \varnothing 23 mm / Auge \varnothing 23 mm / ojo \varnothing 23 mm / \varnothing проушины 23



Item code	Eyebolt size $\varnothing \times L / L_g$ (mm)	Eye diameter \varnothing_i (mm)	Embedment depth h _{nom}	Pcs. per box	Pcs. per carton
\varnothing 14 / \varnothing hole: 12 mm					
FX 01 14 080	14 x 80 / 105	23	75	20	100
FX 01 14 105	14 x 105 / 130	23	100	20	100

FXL 01 eye \varnothing 50 mm / œil \varnothing 50 mm / Auge \varnothing 50 mm / ojo \varnothing 50 mm / \varnothing проушины 50



Item code	Eyebolt size $\varnothing \times L / L_g$ (mm)	Eye diameter \varnothing_i (mm)	Embedment depth h _{nom}	Pcs. per box	Pcs. per carton
\varnothing 14 / \varnothing hole: 12 mm					
⚠️ FXL 01 14 110	14 x 110 / 150	50	100	15	45
⚠️ FXL 01 14 170	14 x 170 / 210	50	100	15	45
⚠️ Available from November 2023 / Disponible à compter de novembre 2023 / Verfügbar ab November 2023 / Disponible desde noviembre de 2023 / В наличии с ноября 2023 года					

Descrizione

Welded eyebolt concrete screw (Patented thread), carbon steel, hardened, zinc plated (CrVI free), for direct fixings to concrete without anchor/plug, suitable for various fixing needs (eg. ropes, nets, ground-supported scaffolding to buildings, etc.).

FX 01: eye \varnothing 23 mm
FXL 01: eye \varnothing 50 mm



Technical Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



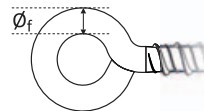
ZM 03^{NEW}

🇬🇧 **Special "impact" socket with "U" grooves, female square drive 1/2", for eyebolts driving**

- 🇫🇷 Douille carrée spéciale avec rainures en «U», carré femelle 1/2", pour l'entraînement des vis à béton avec œil
- 🇩🇪 Spezial "Impakt" Vierkantbuchse mit "U" Rille, weiblich Vierkanttrieb 1/2", für die Installation von Augbolzen
- 🇪🇸 Boca especial tipo "impact" con ranuras en "U", conexión cuadrada hembra 1/2", para la instalación de argollas
- 🇷🇺 Специальная квадратная головка-накопитель с «U» образным позом, с внутренним квадратом 1/2 дюйма, для ввинчивания рым-болтов



Item code	Eyebolt wire diameter (\varnothing_f) min/max (mm)	Pcs. per box	Pcs. per carton
ZM 03 13 045	10 / 13,5	10	100



Usage / Utilisation / Benutzung / Uso / Применение

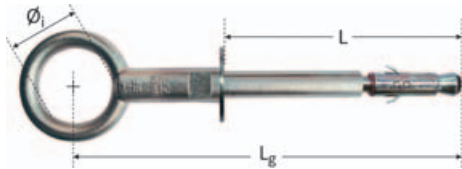


DE 02 - DE 03



Steel anchor with wings with SER-GOLF® (eye Ø 50 mm), the special and PATENTED hot forged eyebolt for ground-supported scaffolding fixing to buildings

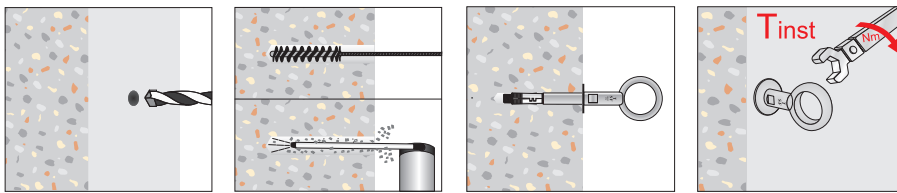
- Cheville en acier avec ailettes avec SER-GOLF®, le piton mâle forgé BREVETÉ pour les échafaudages appuyés par terre
- Verzinkter Anker mit zwei Flügel mit SER-GOLF®, der PATENTIERT geschmiedene Augbolzen für Bodengerüste
- Anclaje de acero con alas, montado con SER-GOLF®, la especial argolla PATENTADA forjada en caliente, para la fijación en fachada de andamios apoyados en el suelo
- Стальной анкер с блокировочными усам с запатентованным рым-болтом SER-GOLF® для крепления строительных лесов стоечного типа



Item code	Anchor size Ø x La (mm)	Eyebolt size M x L / Lg (mm)	Pcs. per carton
M10 / SW: 17			
DE 02 10 120	16 x 60	M10 x 120 / 220	15
DE 02 10 170	16 x 60	M10 x 170 / 270	15

Item code	Anchor size Ø x La (mm)	Eyebolt size M x L / Lg (mm)	Pcs. per carton
M12 / SW: 17			
DE 03 12 120	18 x 75	M12 x 120 / 220	10
DE 03 12 170	18 x 75	M12 x 170 / 270	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 ground-supported scaffolding fixing to buildings. 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 breaking and failures.

Technical Data Sheet



Box / Boîte / Verpackung
Caja / Упаковка



DC 02



SER-GOLF® - The special and PATENTED hot forged eyebolt (eye Ø 50 mm) for ground-supported scaffolding fixing to buildings

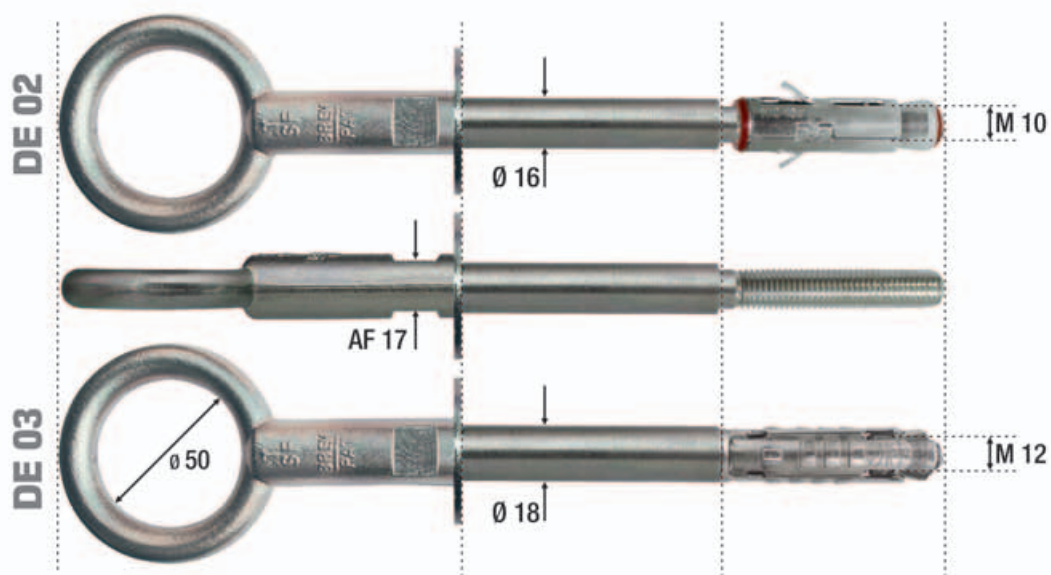
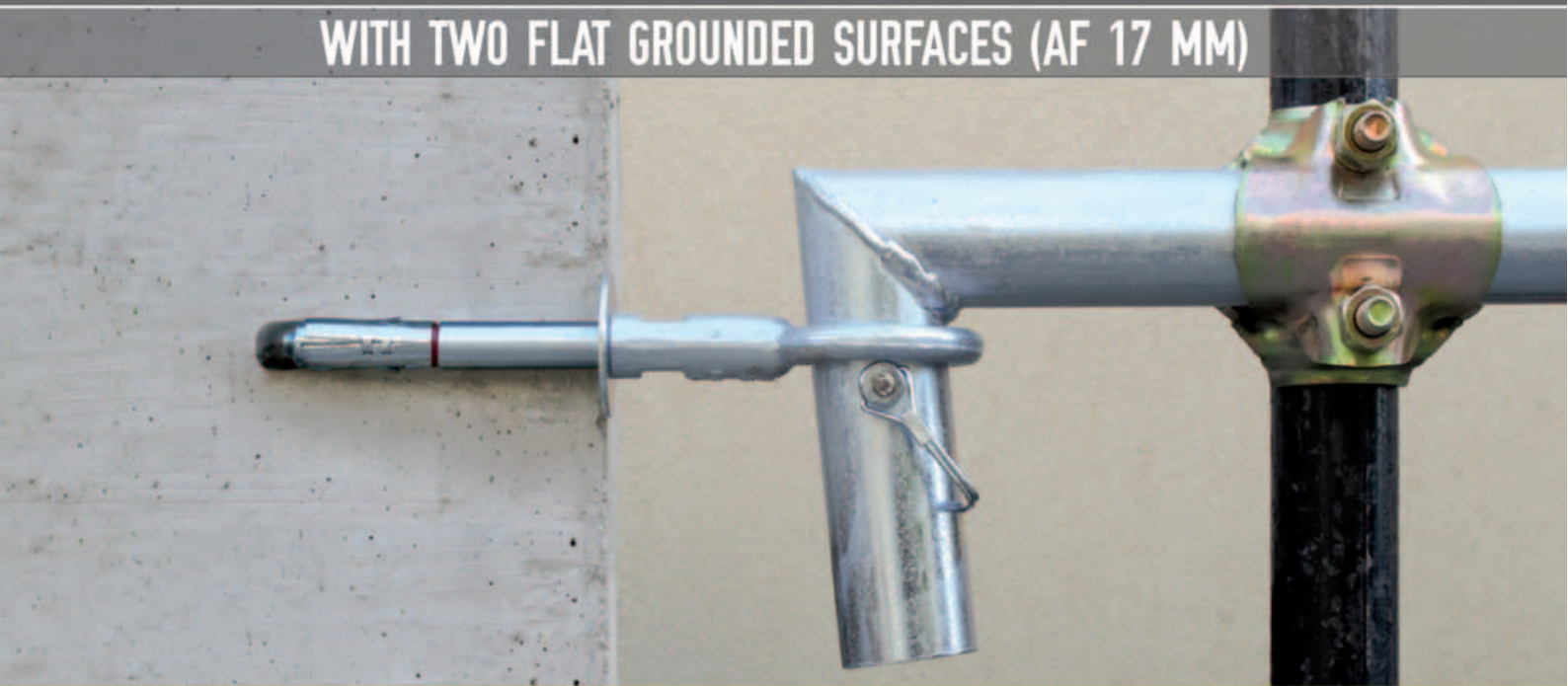
- SER-GOLF® - Le piton mâle forgé BREVETÉE (oeillet Ø 50 mm), pour les échafaudages appuyés par terre
- SER-GOLF® - Der PATENTIERTE geschmiedene Augbolzen (Auge Ø 50 mm) für Bodengerüste
- SER-GOLF® - la especial argolla PATENTADA forjada en caliente (ojo Ø 50 mm), para la fijación en fachada de andamios 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 L / Lg (mm)	Pcs. per carton
M10 / SW: 17		
DC 02 10 220	M10 x 120 / 220	15
DC 02 10 270	M10 x 170 / 270	15
M12 / SW: 17		
DC 02 12 220	M12 x 120 / 220	10
DC 02 12 270	M12 x 170 / 270	10

SerGOLF®

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



SER-GOLF (PATENTED) - Special scaffolding fixing system to 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.



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



NEW UF - LQ - LS - LV

Welded eyebolt wood screw (eye Ø 50 mm) for ground-supported scaffolding fixing to buildings

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 en fachada de andamios apoyados en el suelo

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

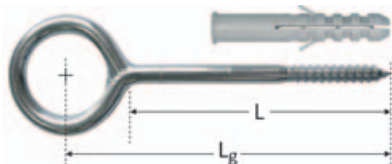


Technical Data Sheet



Item code	Eyebolt size Ø x L / Lg (mm)	Pcs. per box	Pcs. per carton
UF 01 12 100	12 x 100 / 140	25	75
UF 01 12 120	12 x 120 / 160	25	75
UF 01 12 140	12 x 140 / 180	20	60
UF 01 12 160	12 x 160 / 200	20	60
UF 01 12 200	12 x 200 / 240	20	60
UF 01 12 240	12 x 240 / 280	15	45
UF 01 12 300	12 x 300 / 340	-	35
UF 01 12 350	12 x 350 / 390	-	35
UF 01 12 400	12 x 400 / 440	-	30
UF 01 12 500	12 x 500 / 540	-	25

LQ 01 with nylon anchor Ø 14 mm / avec cheville en nylon Ø 14 mm / mit Nylandübel Ø 14 mm / completo de taco de nylon Ø 14 / В комплекте с нейлоновым дюбелем Ø 14



Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x L / Lg (mm)	Pcs. per box	Pcs. per carton
Nylon Anchor 14 x 100				
LQ 01 12 100	14 x 100	12 x 100 / 140	15	75
LQ 01 12 120	14 x 100	12 x 120 / 160	15	45
New Item LQ 01 12 140	14 x 100	12 x 140 / 180	15	45
LQ 01 12 160	14 x 100	12 x 160 / 200	15	45
LQ 01 12 200	14 x 100	12 x 200 / 240	15	45
New Item LQ 01 12 240	14 x 100	12 x 240 / 280	15	45
New Item LQ 01 12 300	14 x 100	12 x 300 / 340	-	35
New Item LQ 01 12 350	14 x 100	12 x 350 / 390	-	35
New Item LQ 01 12 400	14 x 100	12 x 400 / 440	-	30
New Item LQ 01 12 500	14 x 100	12 x 500 / 540	-	25

for the anchor only as a spare part, see item code: AX0214100 page 501 / pour l'achat de la seule cheville comme pièce de rechange, voir le code: AX0214100 pag. 501 / für den Kauf des Dübels nur als Ersatz, siehe code: AX0214100 - Seite 501 / para comprar el solo taco como recambio, mire código: AX0214100 pag. 501 / при покупке дюбеля только в качестве запасного, см. код: AX0214100 стр. 501

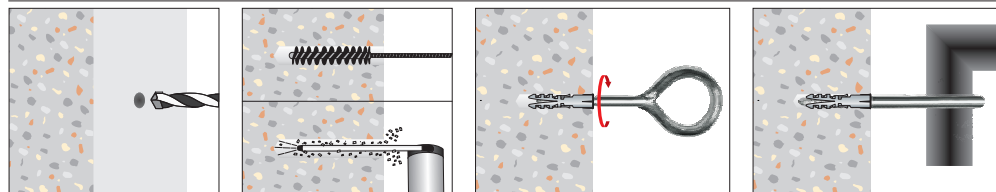
LS 01 - LV 01 with nylon anchor Ø 16 mm / avec cheville en nylon Ø 16 mm / mit Nylandübel Ø 16 mm / completo de taco de nylon Ø 16 / В комплекте с нейлоновым дюбелем Ø 16



Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x L / Lg (mm)	Pcs. per box	Pcs. per carton
Nylon Anchor 16 x 140				
LS 01 12 160	16 x 140	12 x 160 / 200	15	45
LS 01 12 200	16 x 140	12 x 200 / 240	15	45
Nylon Anchor 16 x 160				
LV 01 12 200	16 x 160	12 x 200 / 240	15	45

for the anchor only as a spare part, see item code: HH00 page 210 / pour l'achat de la seule cheville comme pièce de rechange, voir le code: HH00 pag. 210 / für den Kauf des Dübels nur als Ersatz, siehe code: HH00 - Seite 210 / para comprar el solo taco como recambio, mire código: HH00 pag. 210 / при покупке дюбеля только в качестве запасного, см. код: HH00 стр. 210

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

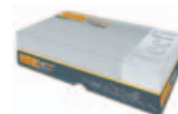


Nylon anchor with special welded eyebolt wood screw (eye Ø 50 mm), for ground-supported scaffolding fixing to buildings. Suitable for fixings in concrete and stones.

Technical Data Sheet



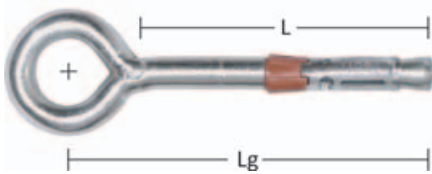
Box / Boîte / Verpackung
Caja / Упаковка



LW 01

Steel anchor with welded eyebolt (eye Ø 22 mm), for ground-supported scaffolding fixing to buildings, 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 en fachada 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

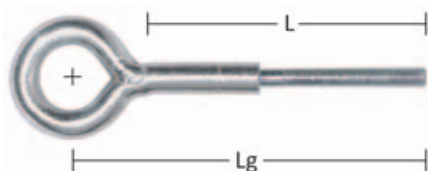


Item code	Anchor size	Eyebolt size	Pcs. per box	Pcs. per carton
	Ø x La (mm)	M x L / Lg (mm)		
LW 01 12 110	12 x 60	M8 x 110 / 135	15	150
LW 01 12 160	12 x 60	M8 x 160 / 185	15	75
LW 01 12 190	12 x 60	M8 x 190 / 215	10	50

LM 01

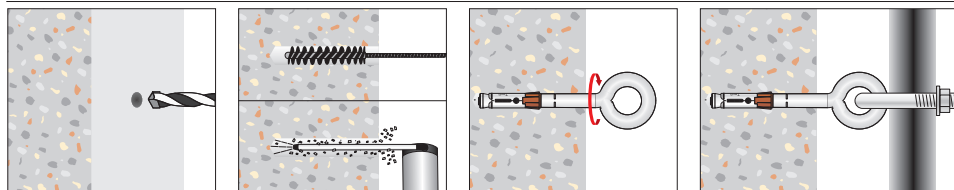
Welded eyebolt (eye diam. 22 mm.), for ground-supported scaffolding fixing to buildings, zinc plated

- 🇫🇷 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 en fachada 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	Pcs. per box	Pcs. per carton
	M x L / Lg (mm)		
LM 01 12 135	M8 x 110 / 135	15	150
LM 01 12 185	M8 x 160 / 185	15	150
LM 01 12 215	M8 x 190 / 215	10	100

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



Steel anchor with special welded eyebolt (eye Ø 22 mm), for ground-supported scaffolding fixing to buildings. Suitable for fixings in concrete.

Technical Data Sheet



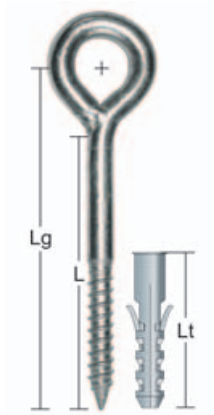
Box / Boîte / Verpackung
Caja / Упаковка



DF 01

🇬🇧 Rimless nylon anchor with a special welded eyebolt wood screw (eye Ø 23 mm) for ground-supported scaffolding fixing to buildings

- 🇫🇷 Cheville en nylon avec piton à bois soudé (oeillet Ø 23 mm), pour les échafaudages appuyés par terre
- 🇩🇪 Nylandübel mit geschweißtem Augbolzen für Holz (Auge Ø 23 mm) für Bodengerüste
- 🇪🇸 Taco de nylon montado con especial argolla con rosca para madera (ojo Ø 23 mm), para la fijación en fachada de andamios apoyados en el suelo
- 🇷🇺 Нейлоновый дюбель с рым-болтом (Ø проушины 23 мм) для крепления строительных лесов стоечного типа



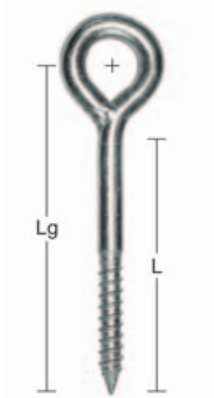
Item code	Anchor size Ø x La (mm)	Eyebolt size Ø x L / Lg (mm)	Pcs. per box	Pcs. per carton
DF 01 12 120	14 x 100	12 x 120 / 145	15	75
DF 01 12 160	14 x 100	12 x 160 / 185	15	75
DF 01 12 190	14 x 100	12 x 190 / 215	15	75
DF 01 12 230	14 x 100	12 x 230 / 255	10	50
DF 01 12 300	14 x 100	12 x 300 / 325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



DD 01

🇬🇧 Welded eyebolt wood screw (eye Ø 23 mm) for ground-supported scaffolding fixing to buildings

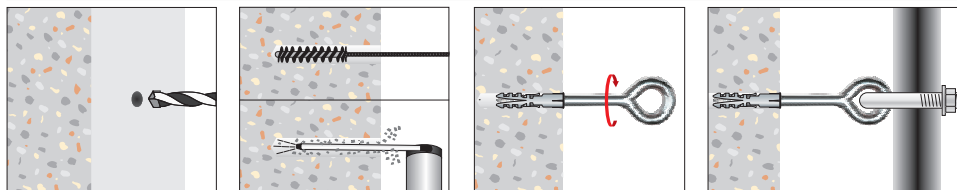
- 🇫🇷 Piton soudé à bois (oeillet 23 mm.), pour les échafaudages appuyés par terre
- 🇩🇪 Geschweißter Augbolzen für Holz (Auge 23 mm), für Bodengerüste
- 🇪🇸 Argolla con rosca para madera (ojo Ø 23 mm), para la fijación en fachada de andamios apoyados en el suelo
- 🇷🇺 Оцинкованный рым-болт (Ø проушины 23 мм) для строительных лесов стоечного типа



Item code	Eyebolt size Ø x L / Lg (mm)	Pcs. per box	Pcs. per carton
DD 01 12 120	12 x 120 / 145	25	125
DD 01 12 160	12 x 160 / 185	20	100
DD 01 12 190	12 x 190 / 215	20	100
DD 01 12 230	12 x 230 / 255	15	75
DD 01 12 300	12 x 300 / 325	15	45
DD 01 12 350	12 x 350 / 375	-	40
DD 01 12 450	12 x 450 / 475	-	35
DD 01 12 500	12 x 500 / 525	-	30



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

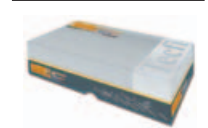


Nylon anchor with special welded eyebolt wood screw (eye Ø 22 mm), for ground-supported scaffolding fixing to buildings. Suitable for fixings in concrete and stones.

Technical Data Sheet



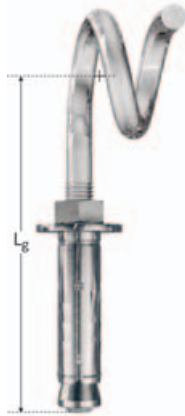
Box / Boîte / Verpackung
Caja / Упаковка



DXE 25 ^{NEW}

🇬🇧 Sleeve anchor with locked cone nut, assembled with hardened special double curved hook machine screw, for ropes and nets, with hexagonal nut and washer, zinc plated

- 🇫🇷 Cheville à douille à cône fixe, avec vis métrique spéciale en acier trempé et revenu, un crochet à double courbe pour cordes, câbles et et filets et complet avec écrou et rondelle, zinguée
- 🇩🇪 Verzinkter Hülsenanker mit festem Konus und spezieller metrischer Schraube aus gehärtetem Stahl, mit doppelt gebogenem Haken für Seile, Kabel und Netze, komplett mit Mutter und Unterlegscheibe, verzinkt
- 🇪🇸 Anclaje de camisa con cono enganchado, montado con gancho especial de doble curva de acero cementado, tuerca y arandela, de acero cincado, para cuerdas, cables y redes
- 🇷🇺 Анкер из листового металла с конусом, зацепляемым специальным метрическим винтом из закаленной стали, с двойным изогнутым крюком для канатов, тросов и сетей, в комплекте с гайкой и шайбой, оцинкованный



Item code	Anchor size Ø x L (mm)	Hook size M x Lg (mm)	Pcs. per box	Pcs. per carton
DXE 25 15 060	15 x 60	M10 x 110	15	75
DXE 25 18 075	18 x 75	M12 x 125	10	50

i for the anchor only as a spare part, see item code: DX00 page 132 / pour l'achat de la seule cheville comme pièce de rechange, voir le code: DXE00 pag 132 / für den Kauf des Dübels nur als Ersatz, siehe code: DXE00 - Seite 132 / para comprar el solo anclaje como recambio, mire código: DX00 pág. 132 / при покупке дюбеля только в качестве запасного, см. код: DX00 стр. 132



LZ 25 ^{NEW}

🇬🇧 Sleeve anchor assembled with hardened special double curved hook machine screw, for ropes and nets, with hexagonal nut and washer, zinc plated

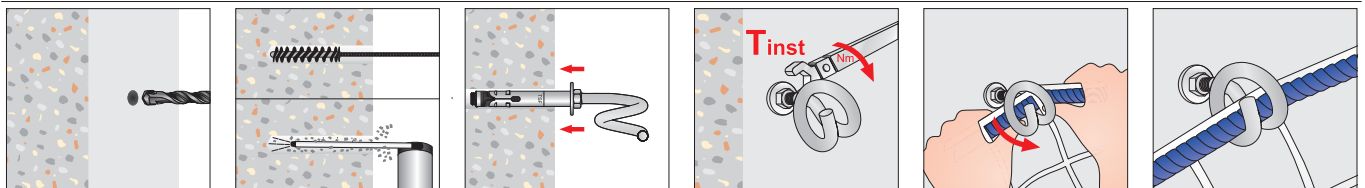
- 🇫🇷 Cheville à douille avec vis métrique spéciale en acier trempé et revenu, un crochet à double courbe pour cordes, câbles et et filets et complet avec écrou et rondelle, zinguée
- 🇩🇪 Verzinkter Hülsenanker mit spezieller metrischer Schraube aus gehärtetem Stahl, mit doppelt gebogenem Haken für Seile, Kabel und Netze, komplett mit Mutter und Unterlegscheibe, verzinkt
- 🇪🇸 Anclaje de camisa, montado con gancho especial de doble curva de acero cementado, tuerca y arandela, de acero cincado, para cuerdas, cables y redes
- 🇷🇺 Анкер из листового металла, намотанный специальным метрическим винтом из закаленной и отпущенной стали, с двойным изогнутым крюком для канатов, тросов и сетей, в комплекте с гайкой и шайбой, оцинкованный



Item code	Anchor size Ø x L (mm)	Hook size M x Lg (mm)	Pcs. per box	Pcs. per carton
LZ 25 10 080	10 x 80	M8 x 120	25	125



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

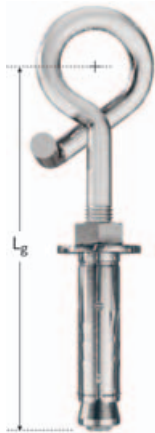


For a quick and safe locking/unlocking of ropes and nets (for fall arrest systems as well), once the anchor has been installed

DXE 35 ^{NEW}

🇬🇧 Sleeve anchor with locked cone nut, assembled with hardened special safety curved hook machine screw, for ropes and nets, with hexagonal nut and washer, zinc plated

- 🇫🇷 Cheville à douille à cône fixe, avec vis métrique spéciale en acier trempé et revenu, un crochet courbe simple et un verrouillage de sécurité pour cordes, câbles et et filets et complet avec écrou et rondelle, zinguée
- 🇩🇪 Verzinkter Hülsenanker mit festem Konus und spezieller metrischer Schraube aus gehärtetem Stahl, mit einzel gebogenem Haken und Sicherheitsverschluss für Seile, Kabel und Netze, komplett mit Mutter und Unterlegscheibe, verzinkt
- 🇪🇸 Anclaje de camisa con cono enganchado, montado con gancho especial con sistema de seguridad de acero cementado, tuerca y arandela, de acero cincado, para cuerdas, cables y redes
- 🇷🇺 Анкер из листового металла с конусной намоткой, зацепленный специальным метрическим винтом из закаленной стали с одинарным изогнутым крюком и предохранительным замком для канатов, тросов и сетей, в комплекте с гайкой и шайбой, оцинкованный



Item code	Anchor size Ø x L (mm)	Hook size M x Lg (mm)	Pcs. per box	Pcs. per carton
DXE 35 18 075	18 x 75	M12 x 135	10	50

i for the anchor only as a spare part, see item code: DX0018075 page 132 / pour l'achat de la seule cheville comme pièce de rechange, voir le code: DX0018075 pag 132 / für den Kauf des Dübels nur als Ersatz, siehe code: DX0018075 - Seite 132 / para comprar el solo anclaje como recambio, mire código: DX0018075 pág. 132 / при покупке дюбеля только в качестве запасного, см. код: DX0018075 стр. 132



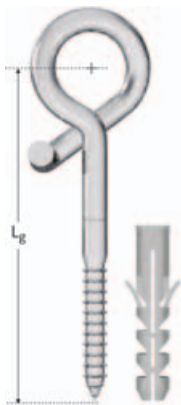
Technical Data Sheet



MR 01 ^{NEW}

🇬🇧 Rimless nylon anchor with special safety curved hook wood screw, for ropes and nets, zinc plated

- 🇫🇷 Cheville en nylon sans bord, avec vis à bois spéciale en acier, avec un crochet courbe simple et un verrouillage de sécurité pour cordes, câbles et et filets, zinguée
- 🇩🇪 Randloser Nylonanker (ohne Saum) mit spezieller Holzschraube aus Stahl, mit einzel gebogenem Haken und Sicherheitsverschluss für Seile, Kabel und Netze, verzinkt
- 🇪🇸 Taco de nylon sin collarín, con gancho especial con sistema de seguridad de acero cincado, para cuerdas, cables y redes
- 🇷🇺 Нейлоновый анкер без борта со специальным стальным шурупом по дереву с одинарным кривым крюком и предохранительным замком для канатов, тросов и сетей, оцинкованный



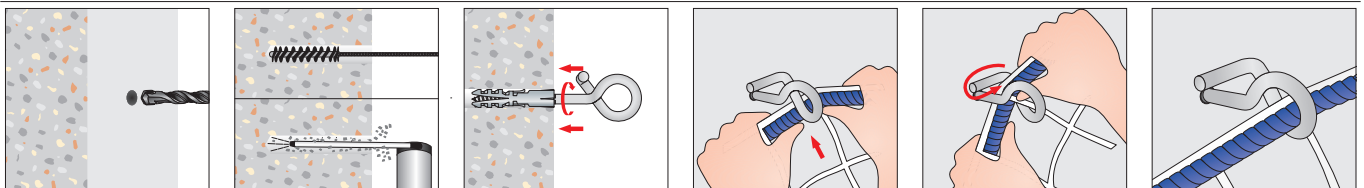
Item code	Anchor size Ø x L (mm)	Hook size Ø x Lg (mm)	Pcs. per box	Pcs. per carton
MR 01 10 140	12 x 60	10 x 140	15	75
MR 01 12 140	14 x 75	12 x 140	10	50

i for the anchor only as a spare part, see item code: AX02 page 242 / pour l'achat de la seule cheville comme pièce de rechange, voir le code: AX02 pag 242 / für den Kauf des Dübels nur als Ersatz, siehe code: AX02 - Seite 242 / para comprar el solo anclaje como recambio, mire código: AX02 pág. 242 / при покупке дюбеля только в качестве запасного, см. код: AX02 стр. 242

Technical Data Sheet



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



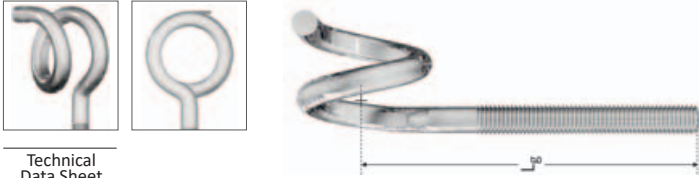
For a quick and safe locking/unlocking of ropes and nets (for fall arrest systems as well), once the anchor has been installed

GF 05 ^{NEW}

Special double curved hook machine screw, for ropes and nets, hardened, zinc plated

- Vis métrique spéciale en acier trempé et revenu avec un crochet à double courbe pour cordes, câbles et et filets, zinguée
- Spezielle metrische Schraube aus gehärtetem Stahl, mit doppelt gebogenem Haken für Seile, Kabel und Netze, verzinkt
- Gancho especial de doble curva de acero cementado, cincado, para cuerdas, cables y redes
- Специальный метрический шуруп из закаленной стали с двойным изогнутым крюком для канатов, тросов и сетей, оцинкованный

GF 05



Technical Data Sheet

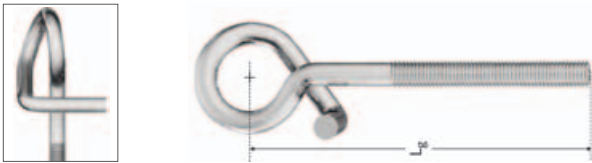


Item code	Hook size M x Lg (mm)	Pcs. per box	Pcs. per carton
GF 05 08 120	M8 x 120	25	125
GF 05 10 110	M10 x 110	20	100
GF 05 12 125	M12 x 125	10	50

QK 05 ^{NEW}

Special safety curved hook machine screw, for ropes and nets, hardened, zinc plated

- Vis métrique spéciale en acier trempé et revenu avec un crochet à double courbe pour cordes, câbles et et filets, zinguée
- Spezielle metrische Schraube aus gehärtetem Stahl, mit doppelt gebogenem Haken für Seile, Kabel und Netze, verzinkt
- Gancho especial de doble curva de acero cementado, cincado, para cuerdas, cables y redes
- Специальный метрический шуруп из закаленной стали с двойным изогнутым крюком для канатов, тросов и сетей, оцинкованный



Technical Data Sheet

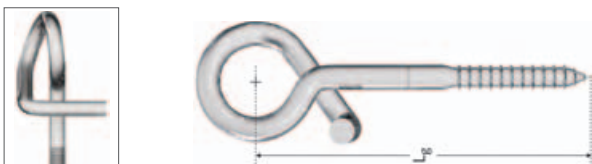


Item code	Hook size M x Lg (mm)	Pcs. per box	Pcs. per carton
QK 05 12 135	M12 x 135	10	50

SG 01 ^{NEW}

Special safety curved hook wood screw, for ropes and nets, zinc plated

- Vis à bois spéciale en acier avec un crochet courbe simple et verrouillage de sécurité pour cordes, câbles et et filets, zinguée
- Spezielle Holzschraube mit einzel gebogenem Haken und Sicherheitsverschluss für Seile, Kabel und Netze, verzinkt
- Gancho especial con sistema de seguridad de acero cincado, para cuerdas, cables y redes
- Специальный стальной шуруп по дереву с одинарным изогнутым крюком и предохранительным замком для веревок, тросов и сетей, оцинкованный



Technical Data Sheet



Item code	Hook size ∅ x Lg (mm)	Pcs. per box	Pcs. per carton
SG 01 10 140	10 x 140	15	75
SG 01 12 140	12 x 140	10	50

SO 01 ^{NEW}

🇬🇧 HDPE hole-covering plug (cap) with cross thorns, natural white colour

🇫🇷 Bouchon obturateur pour trou en HDPE, en couleur blanche naturelle

🇩🇪 Hülse für Lochabdeckung in HDPE, Farbe naturweiss

🇪🇸 Tapón de HDPE para agujeros, color blanco

🇷🇺 Заглушка отверстия из ПЭВП с крестообразными шипами, натурального белого цвета



Item code	Size Ø x L (mm)	For holes Ø (mm)	Pcs. per box	Pcs. per carton
Head diameter: 28 mm				
SO 01 18 038	18 x 38	10 - 12 - 14 - 16	150	1.500

Description / Description / Beschreibung / Descripción / Описание

HDPE hole-covering plug (cap) with cross thorns, natural white colour.

Quick and effective use to cover the holes made in the masonry for temporary anchorages (for example scaffolding eyebolt anchors, nylon or steel anchors for access platforms or stairs...), even if the anchor body has been left in the masonry near the surface (in this case it can be used for anchor diameters up to 18mm).

Technical Data Sheet



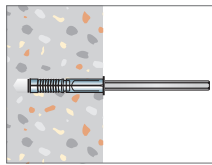
AL 01

Hexagonal steel bracket with nylon plug, for shelves fixing

- Support hexagonal en acier pour la fixation de consoles avec cheville en nylon
- Verzinkter Sechskant Regalbodenträger mit Nylohdübel
- 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 Ø x L (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	12 x 75	12 x 100	30	150
AL 01 12 140	12 x 75	12 x 140	30	150
AL 01 12 170	12 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

Technical Data Sheet



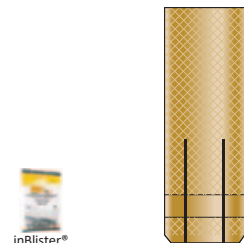
Box / Boîte / Verpackung / Caja / Упаковка



AK 01

Knurled brass anchor

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

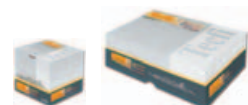


Item code	Size M x Ø x L	Pcs. per box	Pcs. per carton
AK 01 00 004	M4 x 5 x 16	200	2.000
AK 01 00 005	M5 x 6,5 x 20,5	200	2.000
AK 01 00 006	M6 x 8 x 23,5	200	2.000
AK 01 00 008	M8 x 10 x 28	200	2.000
AK 01 00 010	M10 x 12 x 33	100	1.000
AK 01 00 012	M12 x 15 x 38	50	500
AK 01 00 014	M14 x 18 x 42	50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

Technical Data Sheet

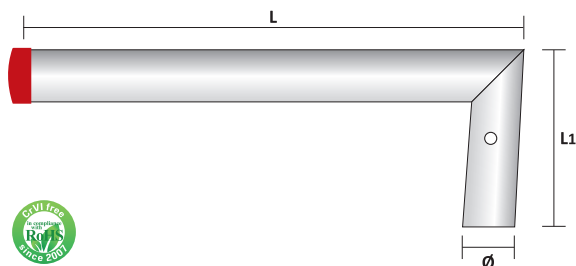


Box / Boîte / Verpackung / Caja / Упаковка



HD 03

- 🇬🇧 **Heavy "L" welded steel pipe with safety hole, for connection eyebolt-scaffolding, zinc plated**
- 🇫🇷 Tuyau lourd zingué avec crochet soudé, avec trou de sécurité, pour liaison entre le piton et l'échafaudage
- 🇩🇪 Scherer "L"-geschweißter Gerüsthälter mit Sicherheitsloch, zur Verbindung von Gerüst und Ösenschraube, verzinkt
- 🇪🇸 Extensión pesada en forma de "L" con agujero de seguridad, de acero cincado, para unión entre andamio y argolla
- 🇷🇺 Тяжелая оцинкованная труба в виде крюка с предохранительным отверстием для соединения строительных лесов с рым-болтом

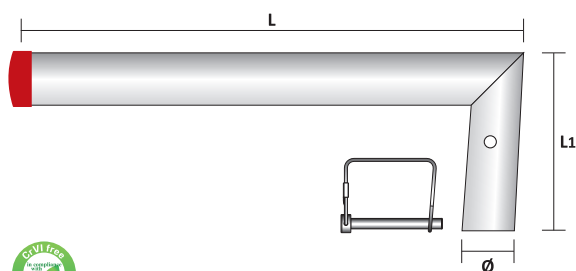


Item code	Size	Pcs. per carton
	$\emptyset \times L \times L_1$	
HD 03 48 480	48 x 480 x 170	10

Test Report issued by Testing Lab. for Materials, Buildings and Civil Structures of "Politecnico di Milano"
Test setup according to UNI EN 74-1.
(download the complete certificate from www.tecni.it "ETA and Technical report Download Area")



HD 05 with Wire Lock Pin (FQ01) / avec trou de sécurité et broche de blocage (FQ01) / mit Lochsicherheit und Sperrstift (FQ01) / on agujero de seguridad y sistema blocante circular (FQ01) / В комплекте с соединителем с предохранителем (FQ01)



Item code	Size	Pcs. per carton
	$\emptyset \times L \times L_1$	
HD 05 48 480	48 x 480 x 170	10

Usage / Utilisation / Benutzung / Uso / Применение

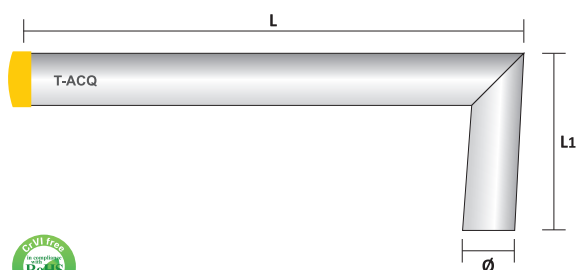


For the connection of floor placed scaffolding to the eyebolt (eye \emptyset 50 mm, see item codes DE, DC, LQ, LS, LV, LL).
Protection plastic cap included.

ACQ 01 ^{NEW}

Available from November 2023 / Disponible à compter de novembre 2023 / Verfügbar ab November 2023 / Disponible desde noviembre de 2023 / В наличии с ноября 2023 года

- 🇬🇧 **"L" welded steel pipe, for connection eyebolt-scaffolding, zinc plated**
- 🇫🇷 Tuyau zingué avec crochet soudé, pour liaison entre le piton et l'échafaudage
- 🇩🇪 "L"-geschweißter Gerüsthälter, zur Verbindung von Gerüst und Ösenschraube, verzinkt
- 🇪🇸 Extensión en forma de "L", de acero cincado, para unión entre andamio y argolla
- 🇷🇺 Оцинкованная труба в виде крюка для соединения строительных лесов с рым-болтом




Item code	Size	Pcs. per carton
	$\emptyset \times L \times L_1$	
ACQ 01 48 480	48 x 480 x 170	10

Test Report issued by Testing Lab. for Materials, Buildings and Civil Structures of "Politecnico di Milano"
Test setup according to UNI EN 74-1.
(download the complete certificate from www.tecni.it "ETA and Technical Reports Download Area")



HO 03

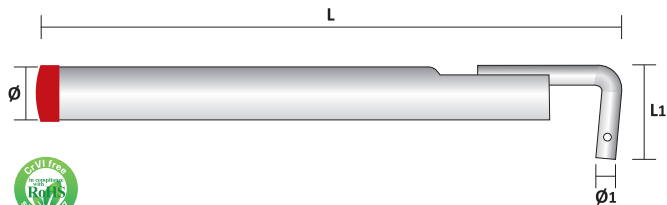
 **Steel pipe with welded hook and safety hole, for connection eyebolt-scaffolding, zinc plated**

 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

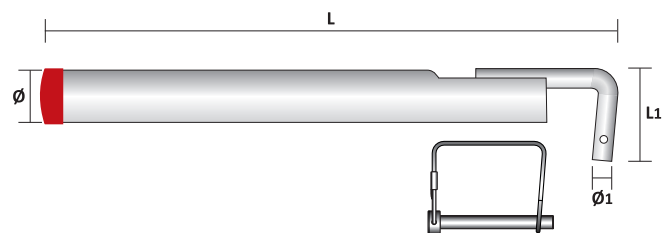


Item code	Size	Pcs. per carton
	$\varnothing \times L \times \varnothing_1 \times L_1$	
HO 03 18 550	48 x 550 x 18 x 90	4

Technical Data Sheet



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
	$\varnothing \times L \times \varnothing_1 \times L_1$	
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.

CHEMICAL ANCHORS

ETA-CE CERTIFIED

XWE 01

Dual component
(ratio 3:1)
Pure Epoxy resin

SWE 01

Dual component
(ratio 2:1)
Pure Epoxy resin

DGE 02

Dual component
Vinylester resin

DGE 12

Dual component
Vinylester resin

DGE 22

Dual component
Vinylester resin

Fast curing



Slow curing



SEISMIC FIXING SOLUTIONS



ISO 9001 - ISO 14001



DGE 03

Epoxy Acrylate
Vinylester Resin

DGE 01

Dual component
Polyester resin

DGE 00

Dual component
Polyester resin

EHE 01

Dual component
Vinylester resin

In glass capsule



You
Tube



State-of-the-art dual component Epoxy resin (ratio 3:1) for heavy duty fixings, ETA-CE certified

- Résine époxy à deux composants de dernière génération (ratio 3:1) pour fixations lourdes, avec certifications ETA-CE Option 1, Option 7 et catégorie de performance C2 – C1 en zone sismique, exposition au feu et application sismique pour les barres d'armatures post-installées, pour une durée de vie de 50 et 100 années
- Hochmodernes Zweikomponenten-Epoxidharz (Verhältnis 3:1) für hochbelastbare Befestigungen, zertifiziert nach ETA-CE Option 1, Option 7, Leistungskategorie C2-C1 unter seismischer Einwirkung, Brandeinwirkung und seismischer Anwendung von nachträglich eingebauten Bewehrungsanschlüssen, für eine Lebensdauer von 50 und 100 Jahren
- Resina Epoxi bicomponente de última generación (relación 3:1) para fijaciones pesadas, Homologada ETA-CE Opciones 1 y 7, categoría de prestación C2-C1 para zonas sísmicas, exposición al fuego y aplicaciones sísmicas con barras de refuerzo, con vida útil de 50 y 100 años
- Современная двухкомпонентная эпоксидная смола (соотношение 3:1) для крепления в тяжелых нагрузок, сертифицирована ETA-CE, опция 1 и опция 7, категория эффективности C2-C1 б соединение арматуры, срок службы 50 и 100 лет



Item code	Contents ml	Pcs. per carton	Pcs. pallet
XWE 01 00 585	585	12	672

- ETA-CE assessed item** / Article évalué par l'ETA-CE / ETA-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE
- EAD 330499-01-0601 V01 - 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
- Fire tested** / Essai de résistance au feu / Brandprüfbericht / Resistencia al fuego / Испытано огнем



European Technical Assessment
EAD 330499-01-0601 V01

- OPTION 1:** for cracked and non-cracked concrete
- Threaded rod M8-M30 (50&100 years Working life)
 - Rebar as an anchor Ø8-Ø32 (50&100 years Working life)
 - Internal threaded rod M6-M20 (50&100 years Working life)

- OPTION 7:** for non-cracked concrete
- Threaded Rod M8-M30 (50&100 years Working life)
 - Rebar as an anchor Ø8-Ø32 (50&100 years Working life)
 - Internal threaded rod M6-M20 (50&100 years Working life)

- Seismic assessment:** performance category C1
- Threaded Rod M8-M30
 - Rebar as an anchor Ø8-Ø32

- Seismic assessment:** performance category C2
- Threaded Rod M12-M30



European Technical Assessment
EAD 330087-01-0601

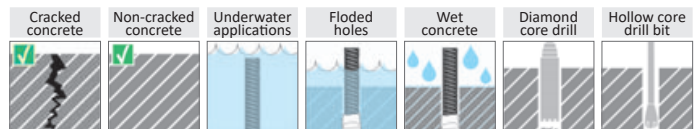
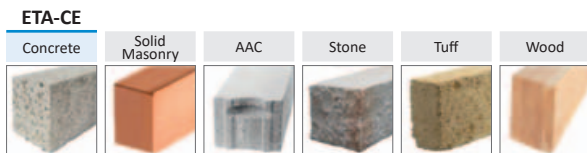
- Rebars Ø8-Ø40 (50&100 years Working life)
- Seismic action Ø10-Ø40 (50&100 years Working life)
- Fire exposure Ø8-Ø40



Declaration of Performance
Threaded Rods



Declaration of Performance
Rebars



Description	Usage	Advantages
<p>State-of-the-art Dual Component 3:1 Epoxy resin for heavy duty fixings, available in the following options:</p> <p>XWE 01 00 585 (ml 585) with 1 special nozzle, to be used with Tecfi professional gun (code DH04)</p> <p>XWE 01 00 440 (ml 440) > available on request</p> <p>XWE 01 01 400 (ml 1.400) > available on request</p> <p>- STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +35°C, possibly in the shade. Shelf life of 24 months. During cold months, store the cartridge in a heated place.</p> <p>- CONCRETE TEMPERATURE: (during the installation) 0°C ÷ +40°C (Cartridge temperature 5°C - 40°C)</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C -40°C ÷ +72°C with T_{0,max} long term temperature of +50°C</p>	<p>Tecfi XWE01 achieved the ETA-CE Option 1 Certification for use in cracked and non-cracked concrete, the ETA-CE Option 7 Certification for use in non-cracked concrete for threaded rods from M8 to M30, rebars from Ø8 to Ø32 and bush with internal thread from M6 to M20, and the performance Category C1 and C2 for use under seismic action for a working life of 50 and 100 years.</p> <p>Tecfi XWE01 also achieved the ETA-CE Certification for post-installed rebars connection, even under fire exposure and seismic application, for a working life of 50 and 100 years.</p> <p>Thanks to the low content of Volatile Organic Compound (VOC), Tecfi XWE01 can be used in closed environments (VOC classification A+).</p> <p>LEED® EQ-4,1 compliant.</p> <p>Tecfi XWE chemical anchors consist in a high bond strength, dual component, 3:1 epoxy chemical mortar, to be also used on base materials different than concrete, as solid masonry, wood and natural stones (applications not covered by the ETA).</p> <p>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.</p> <p>Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.</p>	<ul style="list-style-type: none"> • ETA-CE Certified Option 1 and Option 7 according to EAD330499-01-0601 v01 • Approved working life of 50 and 100 years • Performance Category C1 and C2 with standard threaded bar, for use under seismic action according to EAD330499-01-0601 v01 • ETA-CE Certified Rebar Application under fire exposure and in seismic areas according to EAD330087-01-0601 • LEED® v4 Compliant • Long setting time for handling • Suitable for big diameter rebars • Hammer Drilling and Diamond drilling approved • Application approved also with Hollow drill bits • Suitable for electrically insulated fixings • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • Small edge distances and spacings • High bond strength in all conditions • Easy and quick to use • Thixotropic consistency

🇬🇧 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 ETA-CE Option 1, Option 7 et catégorie de performance C2 en zone sismique
- 🇩🇪 Doppelkomponent Epoxidharz für schwere Befestigungen, mit ETA-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

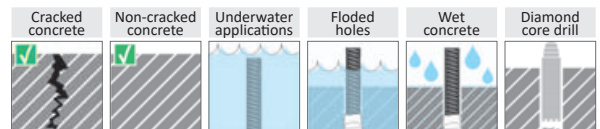
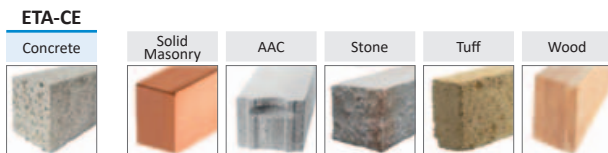


Item code	Contents ml	Pcs. per carton	Pcs. pallet
🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 SWE 01 00 470	470	12	780
* 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 SWE 01 00 900	900	6	350

🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **ETA-CE assessed item** / Article évalué par l'ETA-CE / ETA-CE bewerteter 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
 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **Fire tested** / Essai de résistance au feu / Brandprüfbericht / Resistencia al fuego / Испытано огнем
 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **FAU-FCC technical assessment** / Certificat technique d'aptitude à l'emploi FAU-FCS / Technisches Zertifikat für den Gebrauch von FAU-FCS / "Homologación Técnica de Idoneidad FAU-FCS" / Техническое свидетельство ФАУ-ФЦС № 6349-21
 * 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

European Technical Assessment
ETAG 001 - PART 1 and 5 - TR023
Post-installed rebar connections
 - Rebars Ø8-Ø32



Description	Usage	Advantages
Dual Component pure Epoxy resin for heavy duty fixings, available in the following options: SWE 01 00 470 - ml 470 with 1 Nozzle, to be used with professional gun (code DH04; DH05); SWE 01 00 900 - with 1 Nozzle, to be used with professional gun (code DH05). - STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place. - CONCRETE TEMPERATURE: <i>(during the installation)</i> 0°C ÷ +30°C - SERVICE TEMPERATURE: <i>(environment temperature after installation)</i> -40°C ÷ +40°C with T _{0,max} long term temperature of +24°C -40°C ÷ +80°C with T _{0,max} long term temperature of +50°C	Tecfi SWE01 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. Thanks to the low content of Volatile Organic Compound, Tecfi SWE01 can be used in closed environments (VOC classification A+). LEED® EQ-4,1 compliant. Tecfi SWE01 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 it can be used in dry, wet and flooded holes (except for rebars installation). Suitable for electric insulated fixing and hydrolysis resistant. Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.	<ul style="list-style-type: none"> • ETA-CE Certified Option 1 and Option 7 according to ETAG 001- Part 1 and 5 and TR023 • Performance Category C2 for use under seismic action according to ETAG 001-ANNEX E • LEED® v4 Compliant • Rebar Application with fire test report • Long setting time for handling • Suitable for big diameter rebars • Suitable for electrically insulated fixings • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • High bond strength in all conditions • Easy and quick to use • Thixotropic consistency

- 🇬🇧 **Dual component Vinylester resin (styren free), Certified ETA-CE Option 1 and Option 7**
- 🇫🇷 Résine vinylester à deux composants (sans styrene), avec certification ETA-CE Option 1 et Option 7
- 🇩🇪 Doppelkomponent Vinylesterharz (styrolfrei), mit ETA-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



TADS

Item code	Contents ml	Pcs. per carton	Pcs. pallet
🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 DGE 02 00 300	300	15	960
🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 DGE 02 00 400	400	12	780

- 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **ETA-CE assessed item** / Article évalué par l'ETA-CE / ETA-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE
- 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **EAD 330499-01-0601-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
- 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **Post installed rebar connection under fire exposure application assessed (refer to relevant DoP)** / Evaluation de la résistance au feu des connections avec des barres d'armatures rapportées (Regarder le DOP) / Bewertung des Feuerwiderstands von Anschlüssen mit nachträglich installierten Stäben (siehe entsprechende DoP) / Evaluación de resistencia al fuego de las conexiones con varillas post-instaladas (mire DoP) / Проведена оценка соединения арматуры после установки в условиях воздействия огня (см. Соответствующий DoP)
- 🇬🇧 🇫🇷 🇩🇪 🇪🇸 🇷🇺 **FAU-FCC technical assessment** / Certificat technique d'aptitude à l'emploi FAU-FCS / Technisches Zertifikat für den Gebrauch von FAU-FCS / "Homologación Técnica de Idoneidad FAU-FCS" / Техническое свидетельство ФАУ-ФЦС № 6349-21



European Technical Assessment
EAD 330499-01-0601 and TR049
OPTION 1: for cracked and non-cracked concrete
- Threaded rods M10-M20
OPTION 7: for non-cracked concrete
- Threaded rods M8-M30
Seismic assessment: performance category C2
- Threaded rods M12-M16
Seismic assessment: performance category C1
- Threaded rods M12-M20



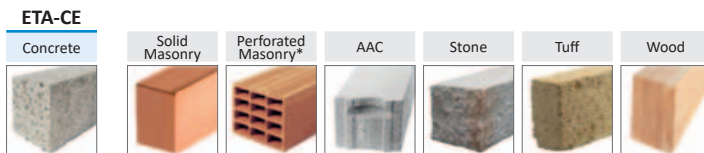
European Technical Assessment
EAD330087-00-0601
EAD331522-00-0601
Post-installed rebar with mortar under seismic action
- Rebars Ø8-Ø32



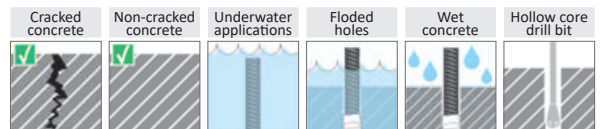
Declaration of Performance
Threaded Rods



Declaration of Performance
Rebars



*plastic sleeve required



Description	Usage	Advantages
<p>Dual Component Styren free Vinylester resin for heavy duty fixings, available in the following options:</p> <p>DGE 02 00 300 - ml 300 with 1 Nozzle, to be used with professional gun (code DH01);</p> <p>DGE 02 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03).</p> <p>- STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place.</p> <p>- CONCRETE TEMPERATURE: (during the installation) -10°C ÷ +40°C</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C -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</p>	<p>Tecfi DGE02 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 M30, threaded rods only), the ETA-CE Certification for rebars (Ø8 to Ø32) under fire exposure and for seismic application. Tecfi DGE02 also got assessment for Seismic Performance Category C1 (M12÷M20) and C2 (M12÷M16) (according to EAD 330499-01-0601, EAD 330087-00-0601, EAD 331522-00-0601 and TR049)</p> <p>Thanks to the low content of Volatile Organic Compound, Tecfi DGE02 can be used in closed environments (VOC classification A+) LEED® EQ-4.1 compliant.</p> <p>For application on hollow material (bricks, masonry unit), it is necessary to use the plastic sleeve FV01.</p> <p>Tecfi DGE02 can also be used on different base materials, such as solid masonry and wood.</p> <p>This resin does not pre-stress the base material, and it can be used in dry, wet and flooded holes (except for rebars installation).</p> <p>Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.</p>	<ul style="list-style-type: none"> • ETA-CE Certified Option 1 and Option 7 according to EAD 330499-01-0601 • Performance Category C1 & C2 for use under seismic action according to TR049 • Certified for the application with rebars under fire exposure and seismic action • Application certified with a wide range of threaded bars, from 4.8 to 10.9 (even HDG), as well as A2, A4 and HCR Stainless Steel • Certified with hollow drill bit installation • LEED® v4 Compliant • Fast curing for quick applications • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • High bond strength in all conditions • Easy and quick to use • Thixotropic consistency

DGE 12 - DGE 22

SEISMIC FIXING SOLUTIONS

- Dual component Vinylester resin (styren 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 styrene) pour basses températures (DGE 12 - durcissement rapide) et hautes températures (DGE 22 - durcissement lent), avec certification ETA-CE Option 1 et Option 7.**
- Doppelkomponent Vinylesterharz (styrolfrei) für Tieftemperaturanwendungen (DGE 12 - schnell härtend) und Hochtemperaturanwendungen (DGE 22 - langsam härtend), mit ETA-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'ETA-CE / ETA-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE
EAD 330499-01-0601-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
Post installed rebar connection under fire exposure application assessed (refer to relevant DoP) / Evaluation de la résistance au feu des connections avec des barres d'armatures rapportées (Regarder le DOP) / Bewertung des Feuerwiderstands von Anschlüssen mit nachträglich installierten Stäben (siehe entsprechende DoP) / Evaluación de resistencia al fuego de las conexiones con varillas post-Instaladas (mire DoP) / Проведена оценка соединения арматуры после установки в условиях воздействия огня (см. Соответствующий DoP)
*** Available on request (quantity and lead time to be agreed) / Disponible sur demande (quantité et délai de livraison à concorder) / Verfügbar auf Anfrage (Menge und Liefertermin zu vereinbaren) / Disponible bajo solicitud (cantidad y tiempos de entrega a concordar) / На заказ (количество и срок поставки по согласованию)**
FAU-FCC technical assessment / Certificat technique d'aptitude à l'emploi FAU-FCS / Technisches Zertifikat für den Gebrauch von FAU-FCS / "Homologación Técnica de Idoneidad FAU-FCS" / Техническое свидетельство ФАУ-ФЦС № 6349-21

European Technical Assessment EAD 330499-01-0601 and TR049
OPTION 1: for cracked and non-cracked concrete
 - Threaded rods M10-M20
OPTION 7: for non-cracked concrete
 - Threaded rods M8-M30

European Technical Assessment EAD 330499-01-0601 and TR049
Seismic assessment:
 performance category C2
 - Threaded rods M12-M16
 performance category C1
 - Threaded rods M12-M20

European Technical Assessment EAD330087-00-0601
EAD331522-00-0601
Post-installed rebar with mortar under seismic action
 - Rebars Ø8-Ø32



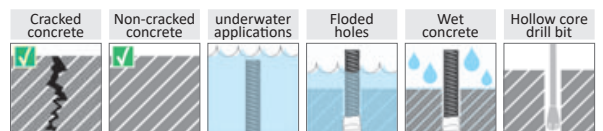
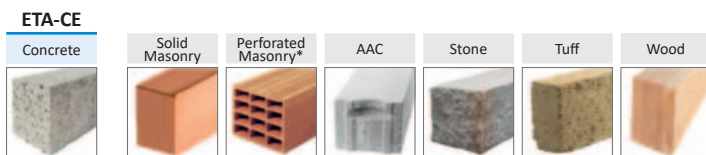
ФЕДЕРАЛЬНЫЙ ЦЕНТР НОРМИРОВАНИЯ И СТАНДАРТИЗАЦИИ

DoP

 Declaration of Performance Threaded Rods

DoP

 Declaration of Performance Rebars



*plastic sleeve required

Description	Usage	Advantages
Dual Component Styren free Vinylester resin for heavy duty fixings, available in the following options: DGE 12 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03); DGE 22 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03). - STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place. - CONCRETE TEMPERATURE: (during the installation) -20°C ÷ +20°C For DGE12 (Fast curing) +20°C ÷ +40°C For DGE22 (Slow curing) - SERVICE TEMPERATURE: (temperatura ambiente dopo l'installazione) -40°C ÷ +40°C with T _{0,max} long term temperature of +24°C -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	Tecfi DGE12 and DGE22 chemical anchors are characterized by the same certifications and performances as DGE02 (see previous page). The special features of these two formulations are: - DGE12: Certified for concrete temperature, during the installation, between -20°C and +20°C - DGE22: Certified for concrete temperature, during the installation, between +20°C and +40°C	<ul style="list-style-type: none"> ETA-CE Certified Option 1 and Option 7 according to EAD 330499-01-0601 Performance Category C1 & C2 for use under seismic action according to TR049 Certified for the application with rebars under fire exposure and seismic action Application certified with a wide range of threaded bars, from 4.8 to 10.9 (even HDG), as well as A2, A4 and HCR Stainless Steel Certified with hollow drill bit installation LEED® v4 Compliant Fast curing for quick applications Excellent ageing behaviour Resistant to long-term hydrolysis No premix necessary, thanks to the special nozzle High bond strength in all conditions Easy and quick to use Thixotropic consistency Special formulation: <ul style="list-style-type: none"> Fast curing for low temperature (DGE12) Slow curing for high temperature (DGE 22)



DGE 03 ^{NEW}

UK Epoxy Acrylate Vinylester Resin, Certified ETA-CE

FR Résine vinylester époxyacrylate, avec certification ETA-CE

DE Doppelkomponent Harz basierend aus Vinylester Epoxyacrylat (styrolfrei), mit ETA-CE Zulassung

ES Resina Viniléster Epoxiacrilato bicomponente sin estireno, Homologada ETA-CE

RU Двухкомпонентная эпоксикарилатная смола на основе винилэстера без стирола, ертифицированная ETA-CE



Item code	Contents ml	Pcs. per carton	Pcs. pallet
DGE 03 00 300	300	15	960
DGE 03 00 400	400	12	780

ETA-CE assessed item / Article évalué par l'ETA-CE / ETA-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE
FAU-FCC technical assessment / Certificat technique d'aptitude à l'emploi FAU-FCS / Technisches Zertifikat für den Gebrauch von FAU-FCS / "Homologación Técnica de Idoneidad FAU-FCS" / Техническое свидетельство ФАУ-ФЦС N° 6349-21



European Technical Assessment
EAD 330499-00-0601

OPTION 7: for non-cracked concrete
- Threaded rods M8-M16
- Rebars: Ø8-Ø16



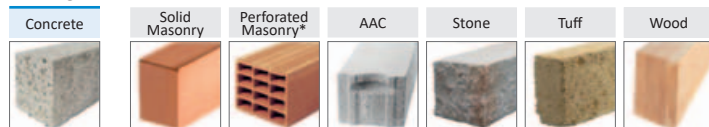
DoP



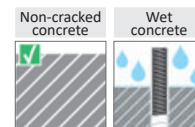
Declaration of Performance



ETA-CE



*plastic sleeve required



Description	Usage	Advantages
<p>Dual Component Styren free Epoxy-Acrylate resin for heavy duty fixings, available in the following options:</p> <p>DGE 03 00 300 - ml 300 with 1 Nozzle, to be used with professional gun (code DH01);</p> <p>DGE 03 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03).</p> <p>- STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place.</p> <p>- CONCRETE TEMPERATURE: (during the installation) 0°C ÷ +40°C</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C -40°C ÷ +50°C with T_{0,max} long term temperature of +40°C</p>	<p>Tecfi DGE03 achieved the ETA-CE Option 7 Certification for use in non-cracked concrete (threaded rods from M8 to M16, rebars from Ø 8 to Ø 16) according to EAD 330499-00-0601.</p> <p>Thanks to the low content of Volatile Organic Compound, Tecfi DGE03 can be used in closed environments (VOC classification A+).</p> <p>LEED® EQ-4,1 compliant.</p> <p>For application on hollow material (bricks, masonry unit), it is necessary to use the plastic sleeve FV01.</p> <p>Tecfi DGE03 can also be used on different base materials, such as solid masonry and wood.</p> <p>This resin does not pre-stress the base material, and it can be used in dry and wet holes.</p> <p>Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.</p>	<ul style="list-style-type: none"> • ETA-CE Certified Option 7 according to EAD 330499-00-0601 • Application certified with threaded bars from 4.8 to 8.8 (even HDG), as well as A2, A4 and HCR Stainless Steel • Application certified with rebars as an insert as per EAD 330499-00-0601 • LEED® v4 Compliant • Fast curing for quick applications • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • High bond strength in all conditions • Easy and quick to use • Thixotropic consistency

- 🇬🇧 **Dual component Vinylester resin in glass capsule, Certified ETA-CE Option 7**
- 🇫🇷 Résine vinylester à deux composants dans capsules de verre, certifiée ETA-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 ∅ x L	Hole size ∅ 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 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

★ ETA-CE assessed item / Article évalué par l'ETA-CE / ETA-CE bewerteter Artikel / Evaluación ETA-CE / Техническая Оценка ETA-CE



European Technical Assessment
 ETAG 001 - PART 1 and 5
 OPTION 7: for non-cracked concrete
 - Threaded rods M8-M30

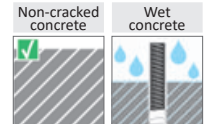
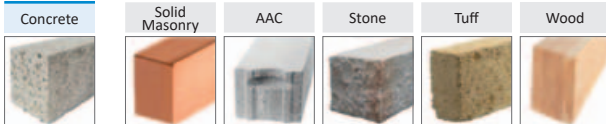
DoP



Declaration of Performance



ETA-CE



Description	Usage	Advantages
<p>Dual Component Vinylester resin in glass capsule, for heavy duty fixings in concrete.</p> <p>- STORAGE: The capsule must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the capsule in a heated place.</p> <p>- CONCRETE TEMPERATURE: (during the installation) -5°C ÷ +30°C</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C -40°C ÷ +80°C with T_{0,max} long term temperature of +50°C</p>	<p>Tecfi EHE01 achieved the ETA-CE Option 7 Certification for use in non-cracked concrete with threaded rods from M8 to M30.</p> <p>Thanks to the low content of Volatile Organic Compound, Tecfi EHE01 can be used in closed environments (VOC classification A+).</p> <p>EHE01 does not pre-stress the base material, and it can be used in dry and wet holes.</p> <p>This resin does not need to be mixed, since the mixing of the two components takes place during the installation of the threaded bar.</p> <p>The capsules are pre-sized and do not generate any special waste.</p>	<ul style="list-style-type: none"> • ETA-CE Certified Option 7 according to ETAG001, part 1 and 5 • Application certified with threaded bars from 4.8 to 8.8 (even HDG), as well as A2, A4 and HCR Stainless Steel • Fast curing for quick applications • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary • Pre-sized capsule: no waste • High bond strength in all conditions • Easy and quick to use

DGE 01

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

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

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

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

RU 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	960
DGE 01 00 400	400	12	780

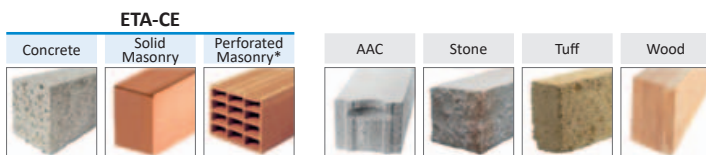
ETA-CE Certification / Agrément technique européen ETA-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE
 FAU-FCC technical assessment / Certificat technique d'aptitude à l'emploi FAU-FCS / Technisches Zertifikat für den Gebrauch von FAU-FCS / "Homologación Técnica de Idoneidad FAU-FCS" / Техническое свидетельство ФАУ-ФЦС N° 6349-21



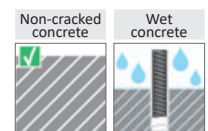
European Technical Assessment
ETAG 001 - PART 1 and 5
OPTION 7: for non-cracked concrete
- Threaded rods M8-M16



European Technical Assessment
ETAG 029 - use category: b,c & w/d
- Threaded rods M8-M12



*plastic sleeve required



Description	Usage	Advantages
<p>Styren free Dual Component Polyester resin, available in the following options:</p> <p>DGE 01 00 300 - ml 300 with 1 Nozzle, to be used with professional gun (code DH01);</p> <p>DGE 01 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03).</p> <p>- STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place.</p> <p>- BASE MATERIAL TEMPERATURE: (during the installation) 0°C ÷ +30°C</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C (on masonry only) -40°C ÷ +50°C with T_{0,max} long term temperature of +40°C</p>	<p>Tecfi DGE01 achieved the ETA-CE Option 7 Certification for use in non-cracked concrete with threaded rods from M8 to M16 as well as ETA-CE Certification for Use Category b and c for hollow and solid masonry with threaded rods from M8 to M12.</p> <p>Thanks to the low content of Volatile Organic Compound, Tecfi DGE01 can be used in closed environments (VOC classification A+).</p> <p>LEED® EQ-4,1 compliant.</p> <p>Suitable for wet concrete, DGE01 can be installed in concrete with temperature between 0°C and +30°C.</p> <p>DGE01 allows anchorage on several base materials, such as concrete, bricks and masonry.</p> <p>For application on hollow material (bricks, masonry unit), it is necessary to use the plastic sleeve FV01.</p> <p>Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.</p>	<ul style="list-style-type: none"> • ETA-CE Certified Option 7 according to ETAG001-Part 1 and 5 • ETA-CE Certified for Use Category b and c according to ETAG029 • Product certified for concrete and masonry • LEED® v4 Compliant • Fast curing for quick applications • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • Easy and quick to use • Thixotropic consistency

DGE 00

Dual component Polyester resin, Certified ETA-CE

Résine polyester à deux composants, avec certification ETA-CE

Doppelkomponent Polyesterharz, mit ETA-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 Certification / Agrément technique européen ETA-CE / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE			



European Technical Assessment
ETAG 029 - use category: b,c & w/d
- Threaded rods M8-M12

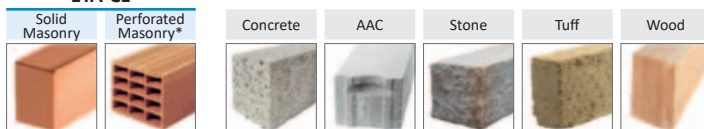
DoP



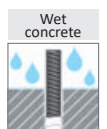
Declaration of Performance
Threaded Rods



ETA-CE



*plastic sleeve required



Description	Usage	Advantages
<p>Dual Component Polyester resin, available in the following options:</p> <p>DGE 00 00 300 - ml 300 with 1 Nozzle, to be used with professional gun (code DH01)</p> <p>DGE 00 00 400 - ml 400 with 1 Nozzle, to be used with professional gun (code DH01; DH03)</p> <p>- STORAGE: The cartridge must be kept in a dry and fresh place between +5°C and +30°C, possibly in the shade. During cold months, store the cartridge in a heated place.</p> <p>- BASE MATERIAL TEMPERATURE: (during the installation) -5°C ÷ +35°C</p> <p>- SERVICE TEMPERATURE: (environment temperature after installation) -40°C ÷ +40°C with T_{0,max} long term temperature of +24°C -40°C ÷ +80°C with T_{0,max} long term temperature of +50°C</p>	<p>Tecfi DGE00 achieved the ETA-CE Certification for Use Category b and c for hollow and solid masonry with threaded rods from M8 to M12.</p> <p>Suitable for dry and wet masonry, DGE00 can be installed in concrete with temperature between -5°C and +35°C.</p> <p>Thanks to the low content of Volatile Organic Compound, Tecfi DGE00 can be used in closed environments (VOC classification A+).</p> <p>For application on hollow material (bricks, masonry unit), it is necessary to use the plastic sleeve FV01.</p> <p>Partially used cartridges can be conserved by replacing the used nozzle with the original cap, and re-used.</p>	<ul style="list-style-type: none"> • ETA-CE Certified for use category b and c according to ETAG029 • Fast curing for quick applications. • Excellent ageing behaviour • Resistant to long-term hydrolysis • No premix necessary, thanks to the special nozzle • Easy and quick to use • Thixotropic consistency

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)	Pcs. per box	Pcs. per carton
DAF 02 08 110	M8 x 110	80	5	10	100
DAF 02 10 130	M10 x 130	90	7	10	100
DAF 02 12 160	M12 x 160	110	8	10	100
DAF 02 12 220	M12 x 220	165	8	10	50
DAF 02 16 190	M16 x 190	125	12	10	50
DAF 02 16 260	M16 x 260	190	12	10	50
DAF 02 20 260	M20 x 260	170	12	10	50
DAF 02 24 300	M24 x 300	210	13	5	20
DAF 02 30 380	M30 x 380	280	13	5	20

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



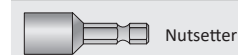
Technical Data Sheet



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



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)	Pcs. per box	Pcs. per carton
DAF 72 08 110	M8 x 110	80	5	10	100
DAF 72 10 130	M10 x 130	90	7	10	100
DAF 72 12 160	M12 x 160	110	8	10	100
DAF 72 16 190	M16 x 190	125	12	10	50
DAF 72 20 260	M20 x 260	170	12	10	50
DAF 72 24 300	M24 x 300	210	13	5	20
DAF 72 30 380	M30 x 380	280	13	5	20

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)



Technical Data Sheet



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.

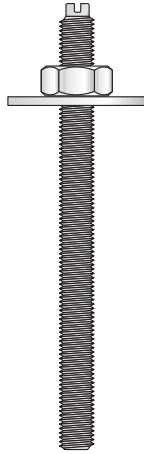
One nutsetter free per box



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



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

Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M6 / SW: 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
in DAT 02 06 120	M6 x 120	50	500
DAT 02 06 140	M6 x 140	50	500
M8 / SW: 13			
DAT 02 08 075	M8 x 75	50	500
DAT 02 08 100	M8 x 100	50	500
in 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 / SW: 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 / SW: 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 / SW: 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

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

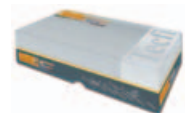


Technical Data Sheet



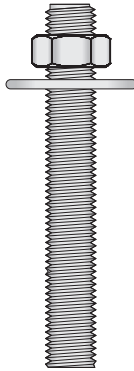
Description / Description / Beschreibung / Descripción / Описание
This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors.

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, mit flachem Ende, 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**



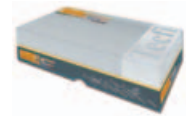
Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M6 / SW: 10			
DA 02 06 065	M6 x 65	100	1.000
M8 / SW: 13			
DA 02 08 065	M8 x 65	50	500
DA 02 08 075	M8 x 75	50	500
DA 02 08 085	M8 x 85	50	500
DA 02 08 105	M8 x 105	50	500
M10 / SW: 17			
DA 02 10 080	M10 x 80	50	250
DA 02 10 095	M10 x 95	50	250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

Until stockout / Jusqu'à épuisement de stocks / 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 (except if used with chemical glass capsules item code EHE).

Box / Boîte / Verpackung / Caja / Упаковка



DA 05 ^{NEW}

- DIN 976-1/A Metric thread stud bolt, flat ends, 8.8 grade, with nut and washer, zinc plated**
- DIN 976-1/A Tige filetée classe 8.8 à extrémité plate, avec écrou hexagonal et rondelle, en acier zingué**
- DIN 976-1/A Metrischer Gewindebolzen, flache Enden, Klasse 8.8, mit Mutter und Unterlegscheibe, verzinkt**
- DIN 976-1/A - Espárrago para anclaje químico, clase 8.8, con tuerca hexagonal y arandela, de acero cincado**
- DIN 976-1/A оцинкованный метрический резьбовой стержень, с плоскими краями, класса 8.8 с гайкой и шайбой**



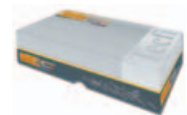
Item code	Size M x L (mm)	Pcs. per box	Pcs. per carton
M20 / SW: 30			
DA 05 20 245	M20 x 245	-	25
DA 05 20 290	M20 x 290	-	20
DA 05 20 380	M20 x 380	-	15

With one end yellow marked as required by DIN976-1
 Avec une extrémité laquée jaune, selon la DIN 976-1
 Mit einer Seite gelb lackiert, gemäß DIN 976-1
 Un lado barnizado amarillo, según DIN 976-1
 Один конец желтого цвета, согласно DIN 976-1

Description / Description / Beschreibung / Descripción / Описание


This product is covered by European Technical Assessment, if used with Tecfi ETA-CE chemical anchors (except if used with chemical glass capsules item code EHE).

Box / Boîte / Verpackung / Caja / Упаковка



CV 01 - CU 01

 **Steel hook screw, zinc plated**

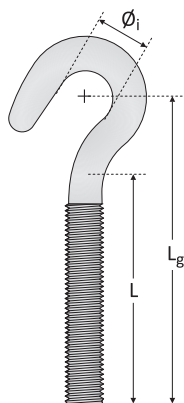
 Crochet rond en acier zingué

 Verzinkte Rundhaken

 Gancho de acero cincado

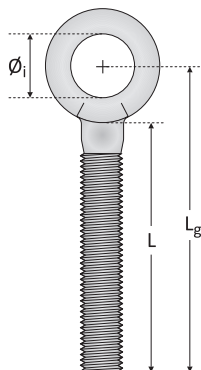
 Оцинкованный крюк

CV 01 Steel hook screw / Crochet rond / Rundhaken / Gancho / крюк



Item code	Size <i>M x L_g x L (mm)</i>	Pcs. per box	Pcs. per carton
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 / Oeillet / Augenschraube / Argolla / кольцо

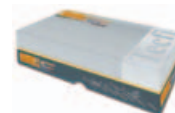


Item code	Size <i>M x L_g x L / ϕ_i (mm)</i>	Pcs. per box	Pcs. per carton
CU 01 06 055	M6 x 65 x 55 / 10	100	1.000
CU 01 08 065	M8 x 75 x 65 / 11,5	50	500
CU 01 10 081	M10 x 95 x 81 / 14	25	250
CU 01 12 098	M12 x 115 x 98 / 17	15	150

Technical
Data Sheet







Box / Boîte / Verpackung / Caja / Упаковка







FV 01

Plastic sleeve for chemical anchor

-  Manchon foré en plastique, pour ancrage chimique
-  Siebhülse aus Kunststoff für chemische Verankerung
-  Tamiz plástico para anclajes químicos
-  Пластиковая втулка для химического анкера



Item code	Size Ø x L (mm)	Hole do (mm)	Hole depth h1 (mm)	Suitable for accessories M	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'ETA-CE / ETA-CE bewerteter 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.

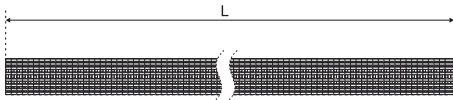
Box / Boîte / Verpackung / Caja / Упаковка



PM 01

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

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







Item code	Hole Ø x L (mm)	Size do (mm)	Suitable for accessories M	Pcs. per box
PM 01 12 100	10 x 1.000	12	6 ÷ 8	15
PM 01 16 100	14 x 1.000	16	8 ÷ 10	10
PM 01 22 100	20 x 1.000	22	12 ÷ 16	6
PM 01 30 100	28 x 1.000	30	16 ÷ 22	4

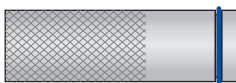
Box / Boîte / Verpackung / Caja / Упаковка



FZ 01

Zinc plated steel bush with internal thread, for chemical anchor

-  Manchon en acier zingué avec filetage interieur, 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

DH 04

Professional hand gun for SINTO-EE (SWE01 and XWE01 resins), shuttle cartridge type

- 🇫🇷 Pistolet professionnel manuel pour SINTO-EE (Résine SWE01-XWE01), pour cartouche Shuttle
- 🇩🇪 Profi-Handpistole für SINTO-EE (Epoxidharz SWE01-XWE01), für Shuttle Kartusche
- 🇪🇸 Pistola manual profesional para Sinto-EE (resina SWE01-XWE01), cartuchos Shuttle
- 🇷🇺 Профессиональный ручной пистолет для SINTO-EE (SWE01-XWE01 resin), для картриджей Shuttle



to be used with:
SHUTTLE CARTRIDGES



	Item code	Suitable for cartridges of: ml	Pcs. per box
⚠️	DH 04 00 470	400 - 470	1
New Item	DH 04 00 585	385 - 400 - 470 - 585	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



to be used with:
SHUTTLE CARTRIDGES



DH 05 00 470

	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)







to be used with:
SHUTTLE CARTRIDGES



DH 05 00 900

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



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 - 360	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



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 согласованию)

DW 01

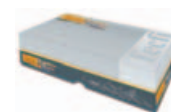
🇬🇧 Pump for hole cleaning

- 🇫🇷 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-composent
- 🇩🇪 Universal- Mischer für doppelkomponent Harzkartusche
- 🇪🇸 Mezclador universal para resina bicomponente
- 🇷🇺 Универсалный сместитель для двухкомпонентный инъекционный состав



DI 01



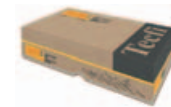
DI 02



inBlister®
522

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



MAC 01

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

- FR** Machine pour extraction, avec une capacité de 100 kN, écran digital et accessoires d'adhérence dans le cas où elle doit être transportée
- DE** Maschine für Extraktionsprüfung, Leistungsfähigkeit 100 kN, mit Digitaldisplay und Prüfzubehör in Handkoffer
- ES** Máquina de extracción, capacidad 100 kN, con pantalla digital y accesorios, en maletín
- RU** 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 concorder) / 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:

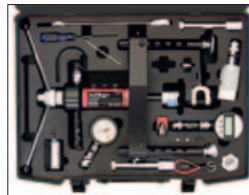
- 1) Anchor hanging accessories:
 - Shouldered rings with threaded holes M10, M12, M16 and M20;
 - Shouldered ring with slotted hole open on one side with diameters 10, 12, 16 and 20;
 - Shouldered ring with threaded pin diameters M10, M12, M16 and M20.
- 2) Special accessories for testing of eyebolt, lifting bolt, scaffolding rings:
 - Fork joint and pin;
 - Extra-long feet.

MAC 02

UK Hydraulic Pull-out tester kit, with accessories, in carrying case

- FR** Machine hydraulique pour essais d'extraction, avec accessoires, en mallette
- DE** Hydraulikmaschine für Extraktionsprüfung, mit Prüfzubehör in Handkoffer
- ES** Máquina hidráulica de extracción, con accesorios, en maletín
- RU** Гидравлическая универсальная испытательная машина на вырыв с испытательными принадлежностями, в футляре

tensile capacity 50 kN with digital gauge / avec une capacité de 50kN et écran digital / Leistungsfähigkeit 50 kN mit Digitaldisplay / capacidad 50kN con pantalla digital / натурных испытаний анкеров на вырыв до 50кН, с цифровым дисплеем



Technical Data Sheet



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 concorder) / 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 and 12.
 - eyebolt tester kit
- 2) tools and accessories for maintenance.

tensile capacity 25 kN with analogue gauge / avec une capacité de 25 kN et jauge analogique / Leistungsfähigkeit 25 kN mit Analogdisplay / capacidad 25kN con pantalla analógica / Грузоподъемность 25 кН с аналоговым дисплеем



Technical Data Sheet



Item code	Tensile capacity (kN)	Pcs. per carton
MAC 02 01 025 *	25	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 concorder) / На заказ (количество и срок поставки по соглашению)

Description / Description / Beschreibung / Descripción / Описание

Manual Hydraulic pull out testing machine, tensile capacity 25 kN, with aluminium frame and analogue calibrated gauge, in foam filled plastic carrying case.

With the following accessories:

- 1) adaptors for anchors
 - threaded button adaptors M4, M5, M6, M8, M10 and M12
 - threaded stud adaptors M16, M20
 - slotted button adaptors, diameters 4, 5, 6, 8, 10 and 12
 - eyebolt tester kit
- 2) tools and accessories for maintenance.