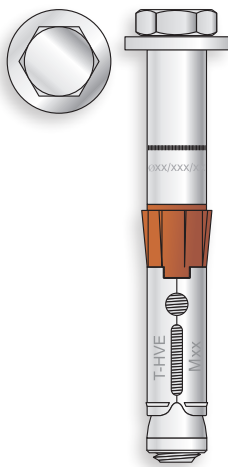


HVE 01



-  **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 C1 Under Seismic Action**
-  Cheville haute performances en acier zingué avec vis tête hexagonale classe 8.8 et rondelle spéciale, avec certification ETE-CE Option 1 et catégorie de performance C1 en zone sismique
-  Verzinkter Hochleistungs - Schwerlastanker mit Sechskantschraube Klasse 8.8 und spezieller Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie 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 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 C1 для сейсмических воздействий



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



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 available on www.tecni.it/DoP



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

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 ETAG 001 - ANNEX E.

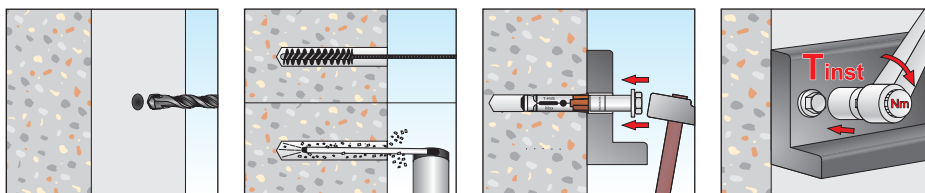
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

DoP



Declaration of Performance

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



Related products

HXE-CONCRETO® HWH concrete screw



HXE01
p. 98

SDS-PLUS masonry drill



EO
p. 398

Pump for hole cleaning



DW
p. 164

Box / Boîte / Verpackung / Caja / Упаковка



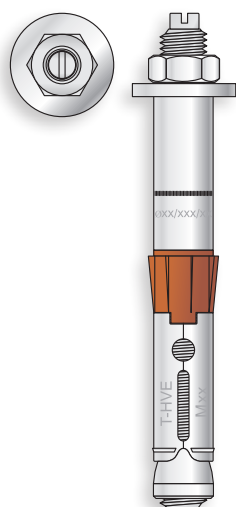
🇬🇧 **High performance steel anchor with 8.8 grade Stud, Hex nut and special washer with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C1 Under Seismic Action**

🇫🇷 Cheville haute performances en acier zingué avec tige classe 8.8, écrou et rondelle spéciale, géométries brevetées, avec certification ETE-CE Option 1 et catégorie de performance C1 en zone sismique

🇩🇪 Verzinkter Hochleistungs - Schwerlastanker mit Stange Klasse 8.8, Sechskantmutter und spezieller Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie 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 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 C1 для сейсмических воздействий



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



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 available on www.tecni.it/DoP



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

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

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

🔥 **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 ETAG 001 - ANNEX E.

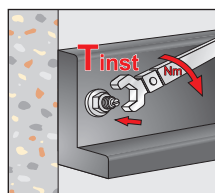
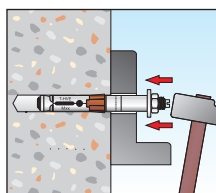
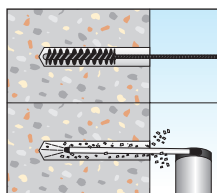
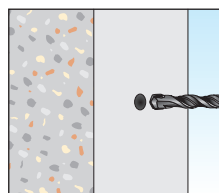
Item included in TADS - Tecfi Anchor Design Software for computer aided design of Anchorage.

DoP



Declaration of Performance

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



Box / Boîte / Verpackung / Caja / Упаковка



Related products

HXE-CONCRETO® dual thread screw



HXE02 - HXE12
p. 100

Wedge anchors



AJE - ZJE
p. 130

SDS-PLUS masonry drill



EO
p. 398

Pump for hole cleaning

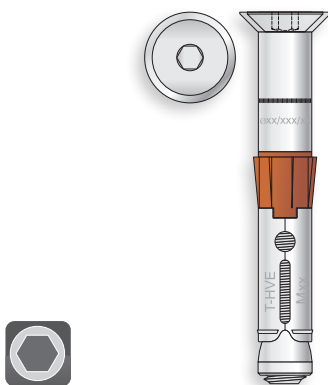


DW
p. 164

HVE 03



-  **High performance steel anchor with 8.8 grade Flat CSK head Hex recess screw, with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C1 Under Seismic Action**
-  Cheville haute performances en acier zingué avec vis tête fraisée plate classe 8.8, avec géométries brevetées, avec certification ETE-CE Option 1 et catégorie de performance C1 en zone sismique
-  Verzinkter Hochleistungs- Schwerlastanker mit Senkkopfschraube Klasse 8.8, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C1
-  Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza avellanada con hueco hexagonal clase 8.8, con geometrías PATENTADAS, Homologada ETA-CE Opción 1 y Categoría de prestación C1 para fijaciones en zonas sísmicas
-  Высокоэффективный стальной оцинкованный анкер с винтом с потайной головкой класса прочности 8.8 с внутренним шестигранником, Сертифицирован ETA-CE Опция 1 и Категория C1 для сейсмических воздействий



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

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

 **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



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 available on www.tecni.it/DoP

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

Usage / Utilisation / Benutzung / Uso / Применение



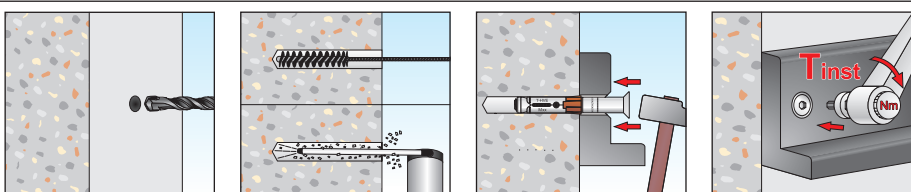
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to ETAG 001 - ANNEX E.

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

Box / Boîte / Verpackung / Caja / Упаковка



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



DoP



Declaration of Performance

Related products

108

HXE-CONCRETO® flat CSK head screw



HXE03
p. 102

Sleeve anchor



DSE07
p. 114

SDS-PLUS masonry drill



EO
p. 398

In-hex power bit



FN
p. 401

Pump for hole cleaning



DW
p. 164

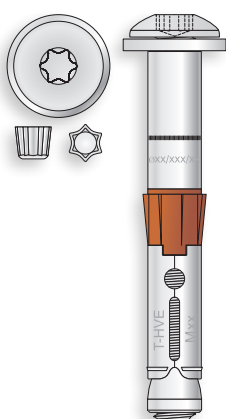
🇬🇧 **High performance steel anchor with Mushroom Head 6 lobe recess screw 8.8 grade (anti-theft with small cap to be hammered), with PATENTED design, zinc plated, Certified ETA-CE Option 1 and Performance Category C1 Under Seismic Action**

🇫🇷 Cheville haute performances en acier zingué avec vis tête ronde (avec cache-tête inamovible, à marteler) et rondelle spéciale, avec géométries brevetées, avec certification ETE-CE Option 1 et catégorie de performance C1 en zone sismique

🇩🇪 Verzinkter Schwerlastanker mit spezieller Rundkopfschraube (mit Schutzkappe zu hämmern) und spezieller Scheibe, mit ETB-CE Zulassung Option 1 und seismische Leistungskategorie C1

🇪🇸 Anclaje de acero cincado para Altas Prestaciones, montado con tornillo cabeza abombada 6 lóbulos internos clase 8.8 (con tapón para la inviolabilidad) y arandela de dureza especial, con geometrías PATENTADAS, Homologada ETA-CE Opción 1 y Categoría de prestación C1 para fijaciones en zonas sísmicas

🇷🇺 Высокоэффективный стальной оцинкованный анкер с низкой полукруглой головкой с шестигранным шлицем класса 8.8 (возможность использования ударного колпачка-заглушки), Сертифицирован ETA-CE Опция 1 и Категория C1 для сейсмических воздействий



T-40

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

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

🔥🔥🔥 **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



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 available on www.tecni.it/DoP



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

Usage / Utilisation / Benutzung / Uso / Применение



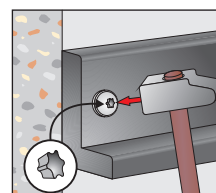
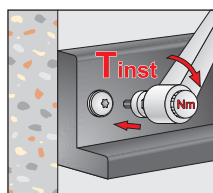
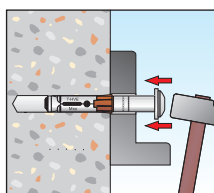
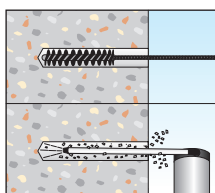
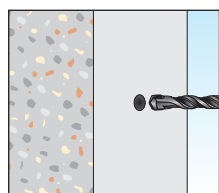
For through (in-place) heavy duty fixings in cracked and non-cracked concrete, performance Category C2 and C1 for use under seismic action, according to ETAG 001 - ANNEX E.

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

Box / Boîte / Verpackung / Caja / Упаковка



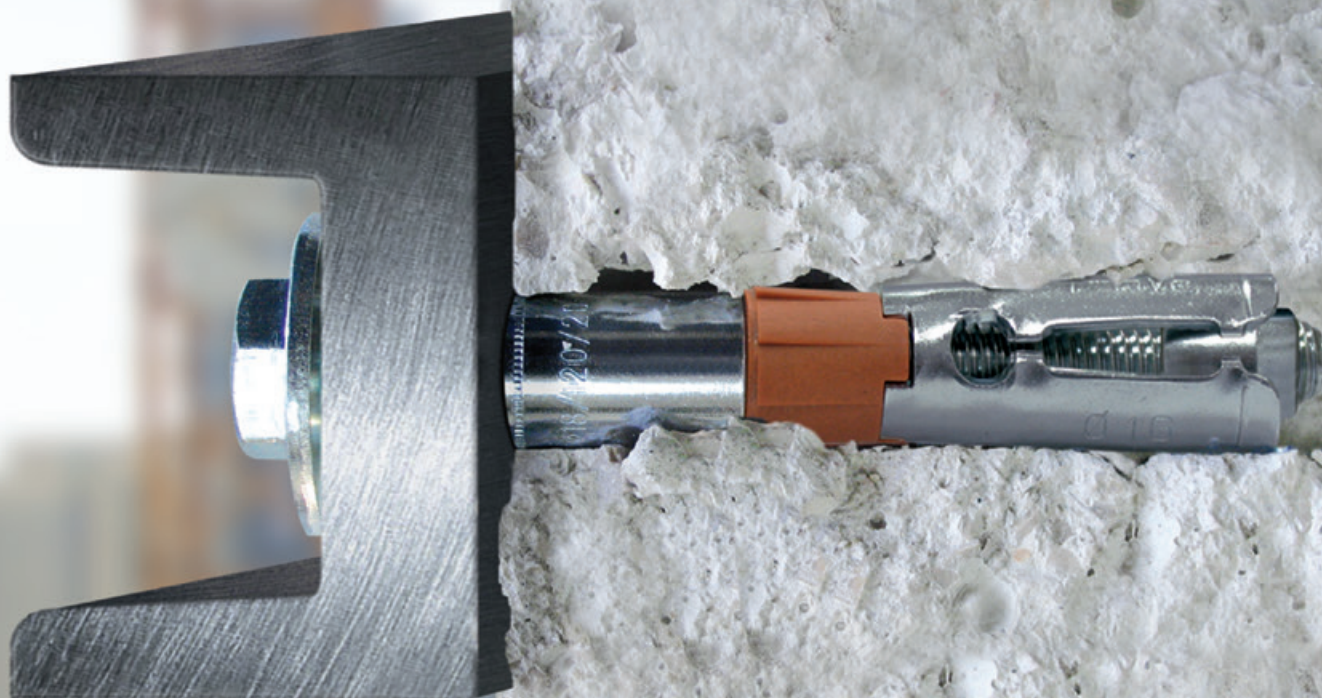
Installation sequence / Instructions de mise en oeuvre / Setzanweisung / Secuencia de instalación / Порядок монтажа



DoP



Declaration of Performance



European Technical Assessment
Option 1: For cracked and non-cracked concrete
Seismic assessment: performance category C1
ETAG 001 - PART 1 and 2 and ANNEX E
www.tecfi.it/dop



Special washers

Patented design

Expansion sleeve/conical nut

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



HVE ROCK®

Option 1

Tecfi HVE-Rock® Heavy duty anchor achieved the **European Technical Assessment (ETA)** according to ETAG 001 Part 1 and 2 with the highest level of approval (**option 1 for Cracked Concrete**), and according to ETAG001 Annex E for structural fixing subject to seismic action in Performance Category C1.



European Technical Assessment
Option 1: For cracked and non-cracked concrete
Seismic assessment: performance category C1
ETAG 001 - PART 1 and 2 and ANNEX E
www.tecfi.it/dop

Tecfi HVE-Rock® also achieved the Approval for Fire Resistance up to 120 minutes (R120), according to EOTA TR020.



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

High performance anchors - ETA-CE Certified

HVE 01

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



HVE 02

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



HVE 03

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



HVE 04

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

