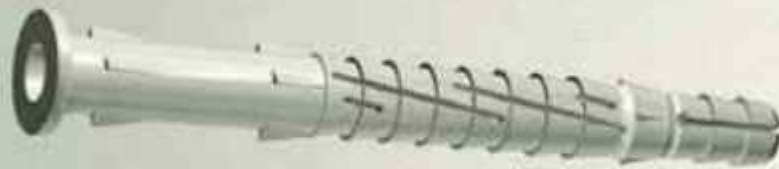


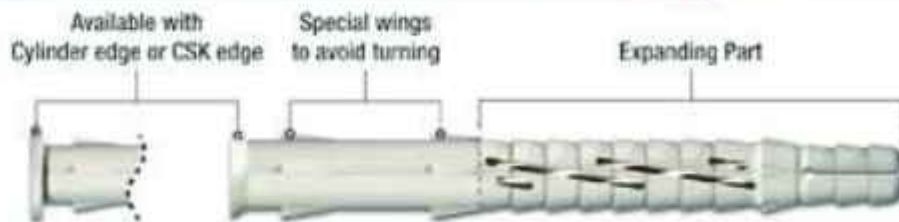
VS Handyplug[®]

— THE FACTOTUM PLUG —

THE MULTI-PURPOSE NYLON ANCHOR ETA-CE CERTIFIED



PATENTED DESIGN



Made in Italy

Zinc Plated



Stainless Steel



Special Finishing



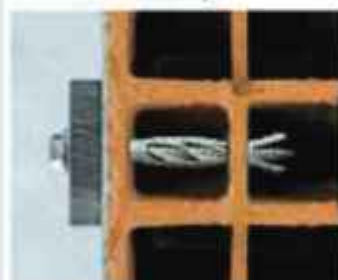
Latest 2018: also available with "Steel Saver 1000h - ZL" special coating, guarantees a very high Salt Spray-Test corrosion resistance, up to 20 times higher than standard zinc plating coatings.

Concrete, Solid Masonry



Full radial expansion behaviour on concrete and solid masonry

Perforated Masonry



Multiple radial expansion behaviour on perforated masonry

Hollow Masonry



Knotting behaviour on hollow masonry (not covered by ETA)

Aerated autoclaved concrete



Full radial expansion behaviour on aerated autoclaved concrete



Ideal for façades and frames

VS-Handyplug® multi-purpose high performance nylon anchor for fixing on almost all base materials, has achieved in the 2017 an updated **European Technical Assessment** according to the "Guideline ETAG020", with more and new base materials (**Use category: a, b, c, d**), and with **fire resistance R90 (for the diameter 10)**.

VS-Handyplug® includes a very wide screws range, combining the great mechanical performance with very high corrosion resistance.

- a - Concrete**
Full radial expansion
- b - Solid masonry**
Full radial expansion
- c - Hollow or perforated masonry**
Multiple radial expansion
- d - Aerated autoclaved concrete**
Full radial expansion



European Technical Assessment
Use Category: a,b,c,d
ETA-13/0135 – ETAG 020



GVI Inc.
In compliance with
European Directive
EN 12618:2011

follow us on:



VS 11 - VS 13

- Multi-purpose countersunk edge nylon anchor, with 6-lobe recess flat countersunk head special wood screw, ETA-CE certified
- Cheville universelle rallongée en nylon à collerette fraisée, avec vis à bois spéciale tête fraisée avec empreinte à six lobes, avec certification ETE-CE
- Universal-Langschafdübel aus Nylon mit Senkkopfkragen mit spezieller Innensechsrund Senkkopf-Holzschraube, ETA-CE zertifiziert
- Taco universal de nylon con collarín avellanado, con tornillo especial para madera con cabeza avellanada 6 lóbulos internos, Homologado ETA-CE
- Универсальный нейлоновый дюбель с плоским бортом, со специальным шурупом с плоской потайной головкой и шестигранным шлицем

VS 11 zinc plated screw / zingúee / verzinkt / tornillo cincado / оцинкованным



Item code	Anchor size Ø x La / l _{fix} (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30				
VS 11 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 11 08 100	8 x 100 / 30	6 x 105	50	500
VS 11 08 120	8 x 120 / 50	6 x 125	50	500
VS 11 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40				
VS 11 10 080	10 x 80 / 10	7 x 85	50	500
VS 11 10 100	10 x 100 / 30	7 x 105	50	500
VS 11 10 120	10 x 120 / 50	7 x 125	50	500
VS 11 10 140	10 x 140 / 70	7 x 145	50	500
VS 11 10 160	10 x 160 / 90	7 x 165	50	500
VS 11 10 200	10 x 200 / 130	7 x 205	50	250
VS 11 10 230	10 x 230 / 160	7 x 235	25	250

VS 13 A4-70 (AISI 316) stainless steel screw / vis en acier inox A4-70 (AISI 316) / Edelstahlschraube A4-70 (AISI 316) / tornillo de acero inoxidable A4-70 (AISI 316) / шурупом нержавеющей стали A4-70 (AISI 316)



Item code	Anchor size Ø x La / l _{fix} (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30				
VS 13 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 13 08 100	8 x 100 / 30	6 x 105	50	500
VS 13 08 120	8 x 120 / 50	6 x 125	50	500
VS 13 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40				
VS 13 10 080	10 x 80 / 10	7 x 85	50	500
VS 13 10 100	10 x 100 / 30	7 x 105	50	500
VS 13 10 120	10 x 120 / 50	7 x 125	50	500
VS 13 10 140	10 x 140 / 70	7 x 145	50	500
VS 13 10 160	10 x 160 / 90	7 x 165	50	500
VS 13 10 200	10 x 200 / 130	7 x 205	50	250
VS 13 10 230	10 x 230 / 160	7 x 235	25	250



European Technical Assessment
Use Category: a, b, c, d
ETAG 020
DoP available on www.tecfl.it/DoP

ETA-CE Certified Item / ETE-CE Agrément technique européen / ETA-CE Zulassung / Homologación ETA-CE / Certificación ETA-CE
 VS-Handyplug® Ø10: at least 90 minutes fire resistance (R90) for fastening of façade systems on concrete, if the admissible load 50,8 [kN] (no permanent centric tension load)
 VS-Handyplug® Ø10: Produit certifié pour la résistance au feu 90 minutes (R90) pour le montage de façade vitrées ventilées sur béton pour charges $\leq 50,8$ [kN] (charges axiales permanentes pas autorisées)
 VS-Handyplug® Ø10: Produkt zugelassen für Feuerwiderstand 90 Min. (R90) für die Montage von Vorhangfassaden auf Beton für Lasten $\leq 50,8$ [kN] (Einträge axiale Belastungen nicht erlaubt)
 VS-Handyplug® Ø10: Producto homologado para resistencia al fuego superior a 90 minutos de exposición (R90) para la instalación de fachadas ventiladas sobre hormigón para cargas $\leq 50,8$ [kN] (cargas axiales permanentes no permitidas)
 VS-Handyplug® Ø10: Сертифицированные изделия для устойчивости более 90 минут (R90) для установки навесных фасадов на бетон для нагрузки $\leq 50,8$ [кН] (постоянные осевые нагрузки не допускаются)

Use Category

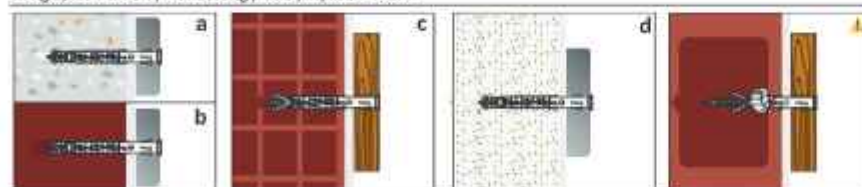
- a - normal weight concrete: by fully radial expansion
- b - solid masonry: (solid masonry, tuff, solid calcium silicate masonry) by fully radial expansion
- c - hollow or perforated masonry: (hollow masonry, Poroton, hollow calcium silicate masonry) by multiple radial expansion
- d - autoclaved aerated concrete: by fully radial expansion
- hollow masonries (not included in the ETA-CE): by knotting, thanks to the hard cone pulling

DoP



Declaration of Performance

Usage / Utilisation / Benutzung / Uso / Применение



Also available in PE blister bag



Box / Boîte / Verpackung
Caja / Упаковка



Related products

174

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

Ø10/8/33 - masonry twist drill



ER
p. 426

Small 6-lobe cap fitting



LB
p. 418

Pump for hole cleaning



DW
p. 168

VS 12 ^{New} STEEL SAVER® Special Coating

➤ Multi-purpose countersunk edge nylon anchor, with 6-lobe recess flat countersunk head special wood screw, special coating "Steel Saver® 1000h - ZL"

- Cheville universelle rallongée en nylon à collerette fraisée, avec vis à bois tête fraisée plate finition spéciale "Steel Saver® 1000 h - ZL"
- Universal-Langschafdübel aus Nylon mit Senkkopfkragen mit spezieller Innensechsrund Senkkopf-Holzschraube, spezielle Hochleistungsbehandlung "Steel Saver® 1000h - ZL"
- Taco universal de nylon con collarín avellanado, con tornillo especial para madera con cabeza avellanada 6 lóbulos internos, acabado especial "Steel Saver® 1000 h - ZL"
- Универсальный нейлоновый дюбель с плоским бортом, со специальным шурупом с плоской потайной головкой и шестигранным шлицем со специальным покрытием "Steel Saver®" 1000 часов в СТ



Item code	Anchor size Ø x La/ tfix (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30				
VS 12 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 12 08 100	8 x 100 / 30	6 x 105	50	500
VS 12 08 120	8 x 120 / 50	6 x 125	50	500
VS 12 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40				
VS 12 10 080	10 x 80 / 10	7 x 85	50	500
VS 12 10 100	10 x 100 / 30	7 x 105	50	500
VS 12 10 120	10 x 120 / 50	7 x 125	50	500
VS 12 10 140	10 x 140 / 70	7 x 145	50	500
VS 12 10 160	10 x 160 / 90	7 x 165	50	500
VS 12 10 200	10 x 200 / 130	7 x 205	50	250
VS 12 10 230	10 x 230 / 160	7 x 235	25	250

New

"Steel Saver® 1000h - ZL" special coating



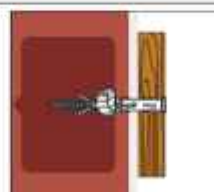
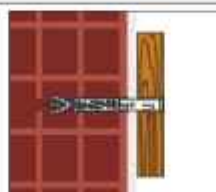
Tecfi "Steel Saver® 1000h - ZL" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 20 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

Also available in PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



Usage / Utilisation / Benutzung / Uso / Применение



For fixing on all types of material:

- on concrete and solid masonry: by fully radial expansion
- on hollow masonry: by knotting (not included into ETA-CE)
- on perforated masonry: by multiple radial expansion
- on aerated autoclaved concrete: by fully radial expansion

Related products

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

DIN6039 - masonry twist drill



ER
p. 426

Small 6-lobe cap fitting



LB
p. 416

Pump for hole cleaning



DW
p. 168

VS 31 - VS 33



- +** Multi-purpose countersunk edge nylon anchor, with 6-lobe recess hexagonal washer head special wood screw, ETA-CE certified
- ()** Cheville universelle rallongée en nylon à collerette fraisée, avec vis à bois spéciale tête hexagonale empreinte à six lobes, avec certification ETE-CE
- ()** Universal-Langschafdübel aus Nylon mit Senkkopfkragen mit spezieller Innensechsrund Sechskant-Holzschraube, ETA-CE zertifiziert
- ()** Taco universal de nylon con collarín avellanado, con tornillo especial para madera con cabeza hexagonal arandela estampada 6 lóbulos internos, Homologado ETA-CE
- ()** Универсальный нейлоновый дюбель с плоским бортом, со специальным шурупом с шестигранной головкой и шестигранным шлицем

VS 31 zinc plated screw / zinguée / verzinkt / tornillo cincado / оцинкованным



Item code	Anchor size Ø x La / t _{fix} (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - AF 10				
VS 31 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 31 08 100	8 x 100 / 30	6 x 105	50	500
VS 31 08 120	8 x 120 / 50	6 x 125	50	500
VS 31 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40 - AF 13				
VS 31 10 080	10 x 80 / 10	7 x 85	50	500
VS 31 10 100	10 x 100 / 30	7 x 105	50	500
VS 31 10 120	10 x 120 / 50	7 x 125	50	500
VS 31 10 140	10 x 140 / 70	7 x 145	25	250
VS 31 10 160	10 x 160 / 90	7 x 165	25	250
VS 31 10 200	10 x 200 / 130	7 x 205	25	250
VS 31 10 230	10 x 230 / 160	7 x 235	25	250

VS 33 A4-70 (AISI 316) stainless steel screw / vis en acier inox A4-70 (AISI 316) / Edelstahlschraube A4-70 (AISI 316) / tornillo de acero inoxidable A4-70 (AISI 316) / шурупом нержавеющей стали A4-70 (AISI 316)



Item code	Anchor size Ø x La / t _{fix} (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - AF 10				
VS 33 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 33 08 100	8 x 100 / 30	6 x 105	50	500
VS 33 08 120	8 x 120 / 50	6 x 125	50	500
VS 33 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40 - AF 13				
VS 33 10 080	10 x 80 / 10	7 x 85	50	500
VS 33 10 100	10 x 100 / 30	7 x 105	50	500
VS 33 10 120	10 x 120 / 50	7 x 125	50	500
VS 33 10 140	10 x 140 / 70	7 x 145	25	250
VS 33 10 160	10 x 160 / 90	7 x 165	25	250
VS 33 10 200	10 x 200 / 130	7 x 205	25	250
VS 33 10 230	10 x 230 / 160	7 x 235	25	250



European Technical Assessment
Use Category: a, b, c, d
ETAG 020
DoP available on www.tecfl.it/DoP



ETA-CE Certified Item / ETE-CE Agrément technique européen / ETA-CE Zulassung / Homologación ETA-CE / Сертификат ETA-CE
VS Handyplug* Ø10: at least 90 minutes fire resistance (R90) for fastening of facade systems on concrete, if the admissible load 50,8 kN (via permanent centrif tension load)
 VS Handyplug Ø10: Produit certifié pour la résistance au feu 90 minutes (R90) pour le montage de façade rideau ventilée sur béton pour charges \leq a 50,8 kN (charges axiales permanentes puis cyclique)
 VS Handyplug Ø10: Produkt zugelassen für Feuerwiderstand 90 Min. (R90) für die Montage von Vorhangfassaden auf Beton für Lasten \leq a 50,8 kN (Ständige sowie Belastungen nach Anschlag)
 VS Handyplug Ø10: Producto homologado para resistencia al fuego superior a 90 minutos de exposición (R90) para la instalación de fachadas cortinas sobre hormigón para cargas \leq a 50,8 kN (cargas axiales permanentes y/o periódicas)
 VS Handyplug Ø10: Сертифицированные изделия для огнестойкости более 90 минут (R90) для установки навесные фасады на бетон для нагрузки \leq 50,8 kN (напряжение: осевые нагрузки не допустимы)

Use Category

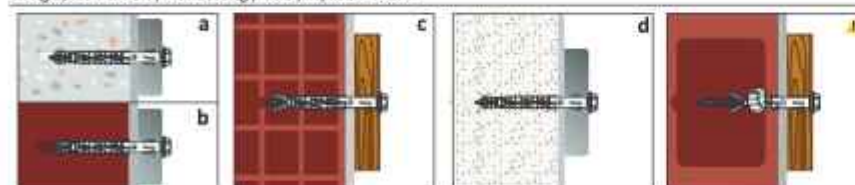
- a - normal weight concrete:** by fully radial expansion
- b - solid masonry:** (solid masonry, tuff, solid calcium silicate masonry) by fully radial expansion
- c - hollow or perforated masonry:** (hollow masonry, Poroton, hollow calcium silicate masonry) by multiple radial expansion
- d - autoclaved aerated concrete:** by fully radial expansion
- hollow masonries (not included in the ETA-CE):** by knotting, thanks to the hard cone pulling

DoP



Declaration of Performance

Usage / Utilisation / Benutzung / Uso / Применение



Also available in PE blister bag



Box / Boîte / Verpackung
Caja / Упаковка



Related products

176

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

GIN8139 - masonry twist drill



ER
p. 426

Small 6-lobe cap fitting



LB
p. 418

Pump for hole cleaning



DW
p. 168

VS 32^{New} STEEL SAVER® Special Coating

➤ Multi-purpose countersunk edge nylon anchor, with 6-lobe recess hexagonal washer head special wood screw, special coating "Steel Saver® 1000h - ZL"

- Cheville universelle rallongée en nylon à collerette fraisée, avec vis à bois tête hexagonale finition spéciale "Steel Saver® 1000 h - ZL"
- Universal-Langschafdübel aus Nylon mit Senkkopfkragen und spezieller Innensechsrund Sechskant-Holzschraube mit spezieller Hochleistungsbehandlung "Steel Saver® 1000h - ZL"
- Taco universal de nylon con collarín avellanado, con tornillo especial para madera con cabeza hexagonal arandela estampada 6 lóbulos internos, acabado especial "Steel Saver® 1000 h - ZL"
- Универсальный нейлоновый дюбель с плоским бортом, со специальным шурупом с шестигранной головкой и шестигранным шлицем со специальным покрытием "Steel Saver®" 1000 часов в СТ



Item code	Anchor size Ø x La / tfix (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - AF 10				
VS 32 08 080	8 x 80 / 10	6 x 85	100	1000
VS 32 08 100	8 x 100 / 30	6 x 105	50	500
VS 32 08 120	8 x 120 / 50	6 x 125	50	500
VS 32 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40 - AF 13				
VS 32 10 080	10 x 80 / 10	7 x 85	50	500
VS 32 10 100	10 x 100 / 30	7 x 105	50	500
VS 32 10 120	10 x 120 / 50	7 x 125	50	500
VS 32 10 140	10 x 140 / 70	7 x 145	25	250
VS 32 10 160	10 x 160 / 90	7 x 165	25	250
VS 32 10 200	10 x 200 / 130	7 x 205	25	250
VS 32 10 230	10 x 230 / 160	7 x 235	25	250

New

"Steel Saver® 1000h - ZL" special coating



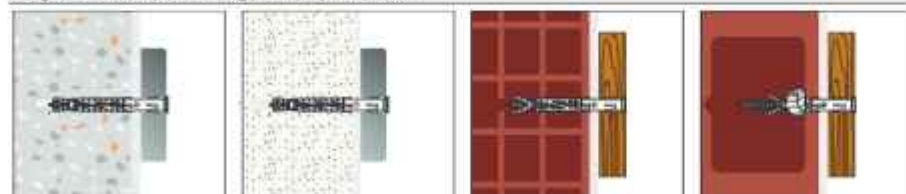
Tecfi "Steel Saver® 1000h - ZL" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 20 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

Also available in PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



Usage / Utilisation / Benutzung / Uso / Применение



For fixing on all types of material:

- on concrete and solid masonry: by fully radial expansion
- on hollow masonry: by knotting (not included into ETA-CE)
- on perforated masonry: by multiple radial expansion
- on aerated autoclaved concrete: by fully radial expansion

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

DIN8039 - masonry twist drill



ER
p. 426

Small 6-lobe cap fitting



LB
p. 418

Related products

Pump for hole cleaning



DW
p. 168

VS 21

+ Multi-purpose countersunk edge nylon anchor, with zinc plated 6-lobe recess mushroom head special wood screw and small fitting cap, ETA-CE certified

- (i)** Cheville universelle rallongée en nylon à collerette fraisée, avec vis à bois spéciale tête bombée, empreinte à six lobes et cache-tête, avec certification ETE-CE
- (U)** Universal-Langschafthdübel aus Nylon mit Senkkopfkragen mit spezieller Innensechsrund Rundkopf-Holzschraube und Schutzkappe, ETA-CE zertifiziert
- (T)** Taco universal de nylon con collarín avellanado, con tornillo especial para madera con cabeza abombada 6 lóbulos internos y tapón para la inviolabilidad, Homologado ETA-CE
- (У)** Универсальный нейлоновый дюбель с плоским бортом, со специальным шурупом с низкой полукруглой головкой с шестигранным шлицем и с заглушкой



i On request, also available with "Steel Saver 1000h - 21" special coating screw (over 1000 hours Salt Spray Test) (Itemcode: VS 22)



European Technical Assessment
Use Category: a,b,c,d
ETAG 020
DoP available on www.tecni.it/DoP

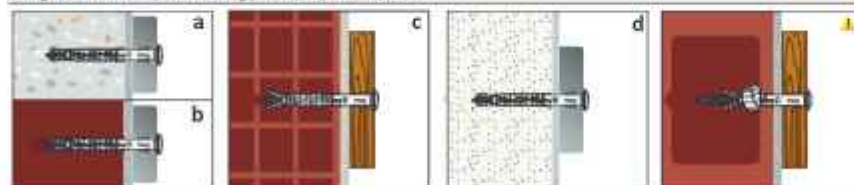
Item code	Anchor size Ø x Lo/ tfix (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30				
VS 21 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 21 08 100	8 x 100 / 30	6 x 105	50	500
VS 21 08 120	8 x 120 / 50	6 x 125	50	500
VS 21 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40				
VS 21 10 080	10 x 80 / 10	7 x 85	50	500
VS 21 10 100	10 x 100 / 30	7 x 105	50	500
VS 21 10 120	10 x 120 / 50	7 x 125	50	500
VS 21 10 140	10 x 140 / 70	7 x 145	25	250
VS 21 10 160	10 x 160 / 90	7 x 165	25	250
VS 21 10 200	10 x 200 / 130	7 x 205	25	250

- (U)** ETA-CE Certified Item / ETE-CE Agrément technique européen / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE
- (U)** VS Handyplug® Ø10: at least 90 minutes fire resistance (R90) for factoring of façade systems on concrete, if the admissible load 50,8 [kN] (no permanent centric tension load)
- (U)** VS Handyplug® Ø10: Produit certifié pour la résistance au feu 90 minutes (R90) pour le montage de façade vitrée ventilée sur béton pour charges \leq a 0,8 [kN] (charges assises permanentes pas autorisé)
- (U)** VS Handyplug® Ø10: Produkt zugelassen für Feuerwiderstand 90 Min. (R90) für die Montage von Vorhangfassaden auf Beton für Lasten \leq a 0,8 [kN] (Ständige axiale Belastungen nicht erlaubt)
- (U)** VS Handyplug® Ø10: Producto homologado para resistencia al fuego superior a 90 minutos de exposición (R90) para la instalación de fachadas compuestas sobre hormigón para cargas \leq a 0,8 [kN] (cargas axiales permanentes no permitidas)
- (U)** VS Handyplug® Ø10: Сертификационные изделия для огнестойкости более 90-минут (R90) для установки изделий фасадом на бетон для нагрузок \leq 0,8 [кН] (постоянные осевые нагрузки не допускаются)

Use Category

- a - normal weight concrete:** by fully radial expansion
- b - solid masonry:** (solid masonry, tuff, solid calcium silicate masonry) by fully radial expansion
- c - hollow or perforated masonry:** (hollow masonry, Poroton, hollow calcium silicate masonry) by multiple radial expansion
- d - autoclaved aerated concrete:** by fully radial expansion
- (U)** hollow masonries (not included in the ETA-CE): by knotting, thanks to the hard cone pulling

Usage / Utilisation / Benutzung / Uso / Применение



Also available in PE blister bag



DoP



Declaration of Performance

Box / Boîte / Verpackung
Caja / Упаковка



Related products

178

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

SDS-PLUS masonry drill



EO
p. 427

Small 6-lobe cap fitting



LB
p. 418

Pump for hole cleaning



DW
p. 168

VS 71

+ Multi-purpose cylinder edge nylon anchor, with zinc plated 6-lobe recess mushroom head special wood screw and small fitting cap, ETA-CE certified

- (i)** Cheville universelle rallongée en nylon à collerette cylindrique avec vis à bois spéciale tête bombée, empreinte à six lobes et cache-tête, avec certification ETE-CE
- (U)** Universal-Langschafthdübel aus Nylon mit zylindrischem Kragen mit spezieller Innensechsrund Rundkopf-Holzschraube und Schutzkappe, ETA-CE zertifiziert
- (T)** Taco universal de nylon con collarín cilíndrico, con tornillo especial para madera con cabeza abombada 6 lóbulos internos y tapón para, Homologado ETA-CE
- (У)** Универсальный нейлоновый дюбель с цилиндрическим бортом, со специальным шурупом с низкой полукруглой головкой с шестигранным шлицем и с заглушкой



i On request, also available with "Steel Saver 1000h - Z1" special coating screw (over 1000 hours Salt Spray Test) (itemcode: VS 72)



European Technical Assessment
Use Category: a,b,c,d
ETAG 020
DoP available on www.tecni.it/DoP

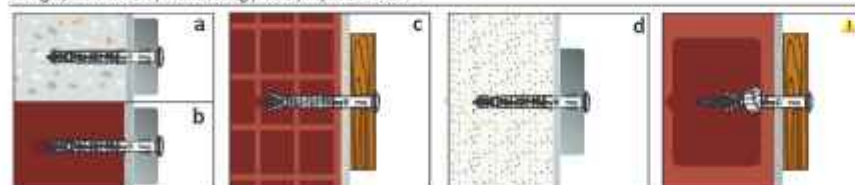
Item code	Anchor size Ø x L _a / t _{fix} (mm)	Screw size Ø x L _s (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30				
VS 71 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 71 08 100	8 x 100 / 30	6 x 105	50	500
VS 71 08 120	8 x 120 / 50	6 x 125	50	500
VS 71 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40				
VS 71 10 080	10 x 80 / 10	7 x 85	50	500
VS 71 10 100	10 x 100 / 30	7 x 105	50	500
VS 71 10 120	10 x 120 / 50	7 x 125	50	500
VS 71 10 140	10 x 140 / 70	7 x 145	25	250
VS 71 10 160	10 x 160 / 90	7 x 165	25	250
VS 71 10 200	10 x 200 / 130	7 x 205	25	250

- ETA-CE Certified Item / ETE-CE Agrément technique européen / ETA-CE Zulassung / Homologación ETA-CE / Сертификация ETA-CE**
- VS Handyplus® Ø10: at least 90 minutes fire resistance (R90) for factoring of façade systems on concrete, if the admissible load 50,8 [kN] (no permanent centric tension load)**
- VS Handyplus® Ø10: Produit certifié pour la résistance au feu 90 minutes (R90) pour le montage de façade vitrée ventilée sur béton pour charges \leq à 0,8 [kN] (charges axiales permanentes pas autorisées)**
- VS Handyplus® Ø10: Produkt zugelassen für Feuerwiderstand 90 Min. (R90) für die Montage von Vorhangfassaden auf Beton für Lasten \leq a 0,8 [kN] (Ständige axiale Belastungen nicht erlaubt)**
- VS Handyplus® Ø10: Producto homologado para resistencia al fuego superior a 90 minutos de exposición (R90) para la instalación de fachadas compuestas sobre hormigón para cargas \leq a 0,8 [kN] (cargas axiales permanentes no permitidas)**
- VS Handyplus® Ø10: Сертифицированные изделия для огнестойкости более 90-минут (R90) для установки изделий фасадно на бетон для нагрузок \leq 0,8 [кН] (постоянные осевые нагрузки не допускаются)**

Use Category

- a - normal weight concrete:** by fully radial expansion
- b - solid masonry:** (solid masonry, tuff, solid calcium silicate masonry) by fully radial expansion
- c - hollow or perforated masonry:** (hollow masonry, Poroton, hollow calcium silicate masonry) by multiple radial expansion
- d - autoclaved aerated concrete:** by fully radial expansion
- +** **hollow masonries** (not included in the ETA-CE): by knotting, thanks to the hard cone pulling

Usage / Utilisation / Benutzung / Uso / Применение



Also available in PE blister bag



Box / Boîte / Verpackung
Caja / Упаковка



DoP



Declaration of Performance

Related products

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

6-lobe power bit, high performance



JB
p. 431

SOS-PLUS masonry drill



EO
p. 427

Small 6-lobe cap fitting



LB
p. 418

Pump for hole cleaning



DW
p. 168

VS 81 - VS 83

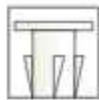
- **Multi-purpose cylinder edge nylon anchor, with 6-lobe recess hexagonal washer head special wood screw, ETA-CE certified**
- () Cheville universelle rallongée en nylon à collerette cylindrique, avec vis à bois spéciale tête hexagonale empreinte à six lobes, avec certification ETE-CE
- Universal-Langschafdübel aus Nylon mit zylindrischem Kragen mit spezieller Innensechsrund Sechskant-Holzschraube, ETA-CE zertifiziert
- Taco universal de nylon con collarín cilíndrico, con tornillo especial para madera con cabeza hexagonal arandela estampada 6 lóbulos internos, Homologado ETA-CE
- Универсальный нейлоновый дюбель с цилиндрическим бортом, со специальным шурупом с шестигранной головкой и шестигранным шлицем

VS 81 zinc plated screw / zingúe / verzinkt / tornillo cincado / оцинкованным



Item code	Anchor size ∅ x La / t _{fix} (mm)	Screw size ∅ x Ls (mm)	Pcs. per box	Pcs. per carton
∅ 8 - T-30 - AF 10				
VS 81 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 81 08 100	8 x 100 / 30	6 x 105	50	500
VS 81 08 120	8 x 120 / 50	6 x 125	50	500
VS 81 08 140	8 x 140 / 70	6 x 145	50	500
∅ 10 - T-40 - AF 13				
VS 81 10 080	10 x 80 / 10	7 x 85	50	500
VS 81 10 100	10 x 100 / 30	7 x 105	50	500
VS 81 10 120	10 x 120 / 50	7 x 125	50	500
VS 81 10 140	10 x 140 / 70	7 x 145	25	250
VS 81 10 160	10 x 160 / 90	7 x 165	25	250
VS 81 10 200	10 x 200 / 130	7 x 205	25	250
VS 81 10 230	10 x 230 / 160	7 x 235	25	250

VS 83 A4-70 (AISI 316) stainless steel screw / vis en acier inox A4-70 (AISI 316) / Edelstahlschraube A4-70 (AISI 316) / tornillo de acero inoxidable A4-70 (AISI 316) / шурупом нержавеющей стали A4-70 (AISI 316)



Item code	Anchor size ∅ x La / t _{fix} (mm)	Screw size ∅ x Ls (mm)	Pcs. per box	Pcs. per carton
∅ 8 - T-30 - AF 10				
VS 83 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 83 08 100	8 x 100 / 30	6 x 105	50	500
VS 83 08 120	8 x 120 / 50	6 x 125	50	500
VS 83 08 140	8 x 140 / 70	6 x 145	50	500
∅ 10 - T-40 - AF 13				
VS 83 10 080	10 x 80 / 10	7 x 85	50	500
VS 83 10 100	10 x 100 / 30	7 x 105	50	500
VS 83 10 120	10 x 120 / 50	7 x 125	50	500
VS 83 10 140	10 x 140 / 70	7 x 145	25	250
VS 83 10 160	10 x 160 / 90	7 x 165	25	250
VS 83 10 200	10 x 200 / 130	7 x 205	25	250
VS 83 10 230	10 x 230 / 160	7 x 235	25	250



European Technical Assessment

Use Category: a,b,c,d

ETAG 020

DoP available on www.tecfl.it/DoP

Use Category

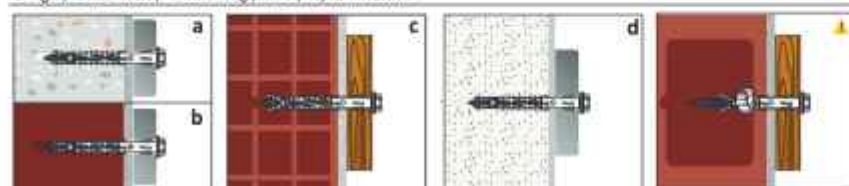
- a - normal weight concrete: by fully radial expansion
- b - solid masonry: (solid masonry, tuff, solid calcium silicate masonry) by fully radial expansion
- c - hollow or perforated masonry: (hollow masonry, Poroton, hollow calcium silicate masonry) by multiple radial expansion
- d - autoclaved aerated concrete: by fully radial expansion
- hollow masonries (not included in the ETA-CE): by knotting, thanks to the hard cone pulling

DoP



Declaration of Performance

Usage / Utilisation / Benutzung / Uso / Применение



Also available in PE blister bag



Box / Boîte / Verpackung
Caja / Упаковка



Related products

180

Neutral silicone for windows/facades



VRF
p. 357

6-lobe power bit



FM
p. 431

Hex magnetic nutsetter



FP
p. 427

SOS-PLUS masonry drill



EO
p. 427

Small 6-lobe cap fitting



LB
p. 418

Pump for hole cleaning

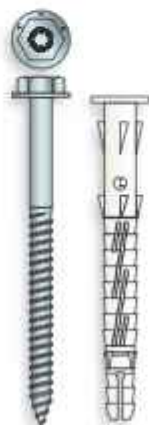


DW
p. 168

VS 82 ^{New} STEEL SAVER® Special Coating

➤ Multi-purpose cylinder edge nylon anchor, with 6-lobe recess hexagonal washer head special wood screw, "Steel Saver® 1000h - ZL"

- Cheville universelle rallongée en nylon à collerette cylindrique, avec vis à bois spéciale tête hexagonale empreinte à six lobes, finition spéciale "Steel Saver® 1000 h - ZL"
- Universal-Längschaftdübel aus Nylon mit zylindrischem Kragen und spezieller Innensechseck-Sechskant-Holzschraube mit spezieller Hochleistungsbehandlung "Steel Saver® 1000h - ZL"
- Taco universal de nylon con collarín cilíndrico, con tornillo especial para madera con cabeza hexagonal arandela estampada 6 lóbulos internos, acabado especial "Steel Saver® 1000 h - ZL"
- Универсальный нейлоновый дюбель с цилиндрическим бортом, со специальным шурупом с шестигранной головкой и шестигранным шлицем со специальным покрытием "Steel Saver®" 1000 часов в СТ



Item code	Anchor size Ø x La / t _{fix} (mm)	Screw size Ø x Ls (mm)	Pcs. per box	Pcs. per carton
Ø 8 - T-30 - AF 10				
VS 82 08 080	8 x 80 / 10	6 x 85	100	1.000
VS 82 08 100	8 x 100 / 30	6 x 105	50	500
VS 82 08 120	8 x 120 / 50	6 x 125	50	500
VS 82 08 140	8 x 140 / 70	6 x 145	50	500
Ø 10 - T-40 - AF 13				
VS 82 10 080	10 x 80 / 10	7 x 85	50	500
VS 82 10 100	10 x 100 / 30	7 x 105	50	500
VS 82 10 120	10 x 120 / 50	7 x 125	50	500
VS 82 10 140	10 x 140 / 70	7 x 145	25	250
VS 82 10 160	10 x 160 / 90	7 x 165	25	250
VS 82 10 200	10 x 200 / 130	7 x 205	25	250
VS 82 10 230	10 x 230 / 160	7 x 235	25	250

New

"Steel Saver® 1000h - ZL" special coating



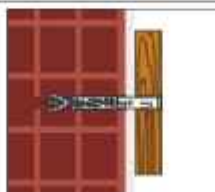
Tecfi "Steel Saver® 1000h - ZL" special coating guarantees a very high Salt Spray Test corrosion resistance, up to 20 times higher than standard zinc plating coatings. For more info, please see technical details on page 15

Also available in PE blister bag

Box / Boîte / Verpackung / Caja / Упаковка



Usage / Utilisation / Benutzung / Uso / Применение



For fixing on all types of material:

- on concrete and solid masonry: by fully radial expansion
- on hollow masonry: by knotting (not included into ETA-CE)
- on perforated masonry: by multiple radial expansion
- on aerated autoclaved concrete: by fully radial expansion

Related products

Neutral silicone for windows/Торцевые



VRF
p. 357

Hexagonal coupling nut



HC
p. 409

Zinc plated steel threaded rod



BF
p. 396

DIN6039 - masonry twist drill



ER
p. 426

Pump for hole cleaning



DW
p. 168

VS

+ Multi-purpose nylon anchor, with socket recess dual thread (machine + special)

- () Cheville universelle rallongée en nylon, avec vis double filet (métrique et spécial)
- Universal-Langschafdübel aus Nylon, Innensechskantschraube mit doppeltem Gewinde (metrisches und spezielles)
- Taco universal de nylon, con tornillo doble rosca (métrica + especial) con huella hexagonal
- Универсальный нейлоновый дюбель с плоским бортом, двухсторонним с внутренним шестигранником

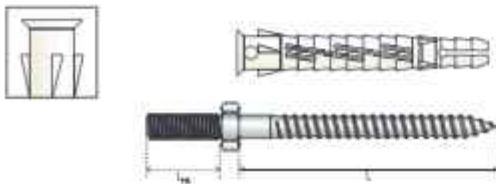
VS 41 zinc plated screw / zinguée / verzinkt / tornillo cincado / оцинкованным



Item code	Anchor size ∅ x La (mm)	Dual thread screw ∅ x L / M x Lm (mm)	Pcs. per box	Pcs. per carton
∅ 8 anchor - AF 10 - In-hex 3				
▲ VS 41 08 080	8 x 80	∅6 x 85 / M6 x 21	100	1.000
∅ 10 anchor - AF 13 - In-hex 4				
▲ VS 41 10 080	10 x 80	∅7 x 85 / M8 x 25	50	500
∅ 10 anchor - AF 13 - without In-hex				
New Item VS 41 10 160	10 x 160	∅7 x 165 / M8 x 20	25	250
New Item VS 41 10 200	10 x 200	∅7 x 205 / M8 x 20	25	250

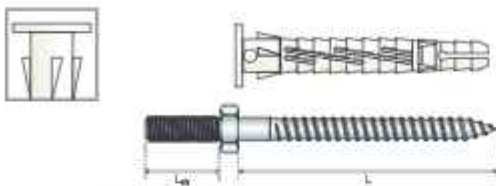
with hex recess until stockout, then WITHOUT hex recess / à six pans creux jusqu'à épuisement de stock, après sans six pans creux / Mit Sechskant-Einbuchtung bis Lagerende, nach Lagerende ohne Sechskant-Einbuchtung / con huella hexagonal hasta agotar existencia. Luego se entregará el producto sin huella / с внутренним шестигранником до конца stocks, потом без внутреннего шестигр.

VS 43 A4-70 (AISI 316) stainless steel screw / vis en acier inox A4-70 (AISI 316) / Edelstahlschraube A4-70 (AISI 316) / tornillo de acero inoxidable A4-70 (AISI 316) / шурупом нержавеющей стали A4-70 (AISI 316)



Item code	Anchor size ∅ x La (mm)	Dual thread screw ∅ x L / M x Lm (mm)	Pcs. per box	Pcs. per carton
∅ 8 anchor - AF 10 - In-hex 3				
VS 43 08 080	8 x 80	∅6 x 85 / M6 x 21	100	1.000
∅ 10 anchor - AF 13 - without In-hex				
VS 43 10 080	10 x 80	∅7 x 85 / M8 x 25	50	500

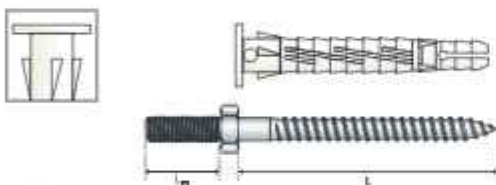
VS 91 zinc plated screw / zinguée / verzinkt / tornillo cincado / оцинкованным



Item code	Anchor size ∅ x La (mm)	Dual thread screw ∅ x L / M x Lm (mm)	Pcs. per box	Pcs. per carton
∅ 8 anchor - AF 10 - In-hex 3				
▲ VS 91 08 080	8 x 80	∅6 x 85 / M6 x 21	100	1.000
∅ 10 anchor - AF 13 - In-hex 4				
▲ VS 91 10 080	10 x 80	∅7 x 85 / M8 x 25	50	500
∅ 10 anchor - AF 13 - without In-hex				
New Item VS 91 10 160	10 x 160	∅7 x 165 / M8 x 20	25	250
New Item VS 91 10 200	10 x 200	∅7 x 205 / M8 x 20	25	250

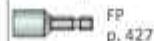
with hex recess until stockout, then WITHOUT hex recess / à six pans creux jusqu'à épuisement de stock, après sans six pans creux / Mit Sechskant-Einbuchtung bis Lagerende, nach Lagerende ohne Sechskant-Einbuchtung / con huella hexagonal hasta agotar existencia. Luego se entregará el producto sin huella / с внутренним шестигранником до конца stocks, потом без внутреннего шестигр.

VS 93 A4-70 (AISI 316) stainless steel screw / vis en acier inox A4-70 (AISI 316) / Edelstahlschraube A4-70 (AISI 316) / tornillo de acero inoxidable A4-70 (AISI 316) / шурупом нержавеющей стали A4-70 (AISI 316)



Item code	Anchor size ∅ x La (mm)	Dual thread screw ∅ x L / M x Lm (mm)	Pcs. per box	Pcs. per carton
∅ 8 anchor - AF 10 - In-hex 3				
VS 93 08 080	8 x 80	∅6 x 85 / M6 x 21	100	1.000
∅ 10 anchor - AF 13 - In-hex 4				
VS 93 10 080	10 x 80	∅7 x 85 / M8 x 25	50	500

Related products



V5 Handyplug®

— THE FACTOTUM PLUG —

MULTI-PURPOSE NYLON ANCHOR WITH DUAL THREAD SCREW



For fix on all base materials



Also available in the **EXTRA-LONG** version for fixing **through** insulation layers

