FDG
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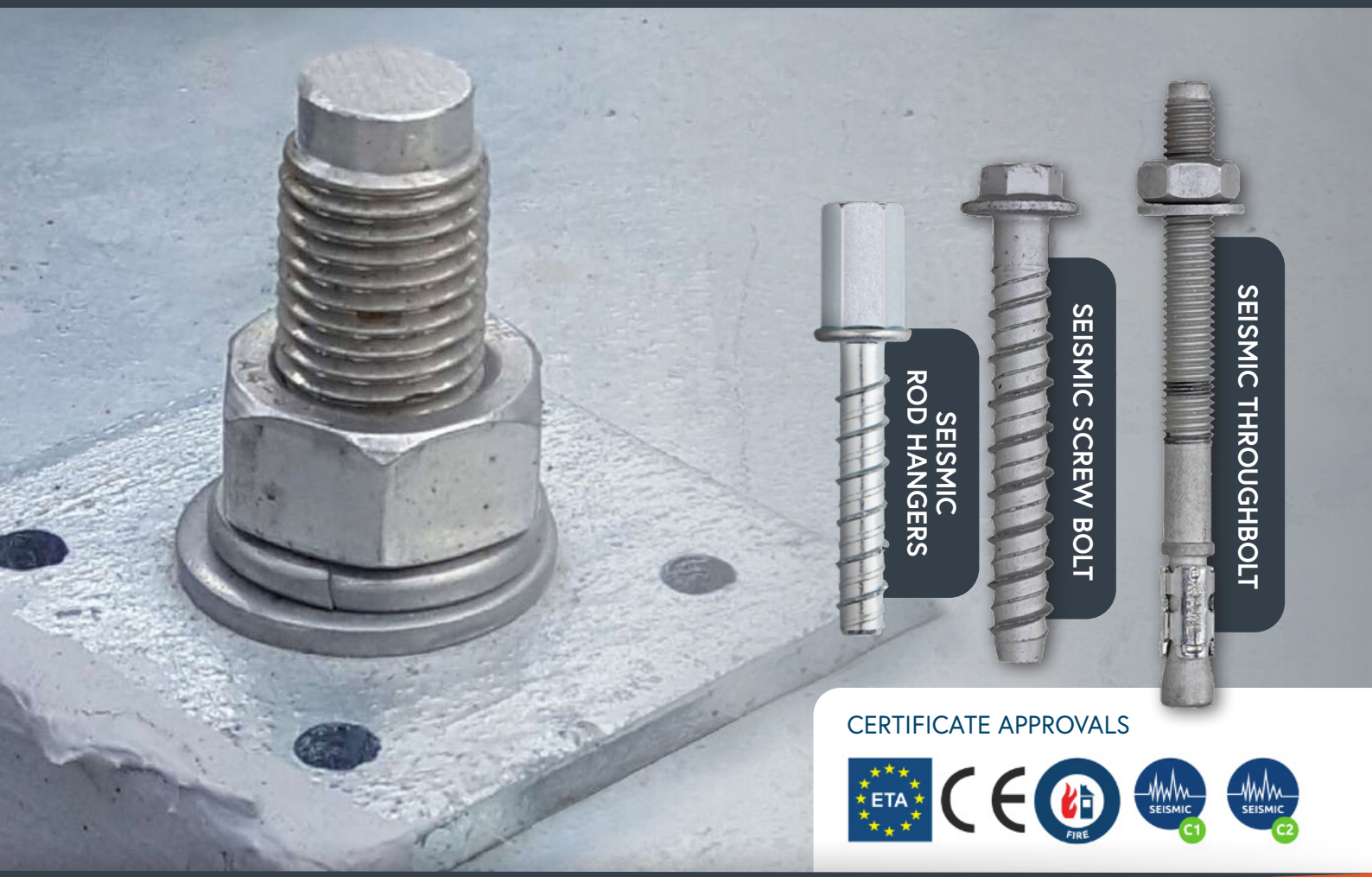
FDG SEISMIC ANCHORS



CERTIFICATE APPROVALS

HEAVY DUTY FIXINGS WITH SEISMIC CERTIFICATIONS

Whether you are hanging HVAC equipment or installing plumbing, fire and electrical systems, FDG has a full range of C1 C2 Certified Seismic Anchors that meet New Zealand Building Standard NZS 4219:2009. Our collection of C1 C2 rated seismic restraints include Through Bolts, Screw Bolts and Rod Hangers, in a range sizes and finishes, including; Zinc Flake and Stainless Steel.

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0800 555 464

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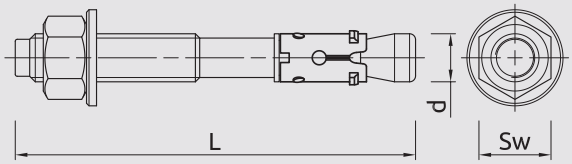
FDG SEISMIC ANCHOR RANGE

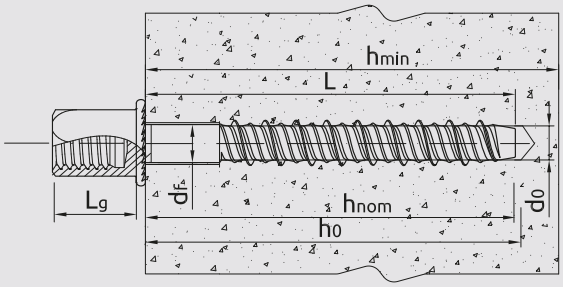
FDG SEISMIC THROUGH BOLT



Features and benefits

- High performance in cracked and non-cracked concrete confirmed by ETA Option 1.
- Seismic performance category C1 and C2.
- For applications requiring fire resistance up to 120 minutes.
- Suitable for reduced embedment to avoid contact with reinforcement.
- Embedment depth markings help to ensure precise installation of the anchor.
- Manufactured in Poland to rigorous European Quality Control Standards.
- Available with Zinc Flake coating – Suitable for installation in corrosive environments, category C1, C2, C3 and C4.
- Available in A4 Stainless Steel - Suitable for installation in corrosive environments category C1, C2, C3, C4 and C5.

FDG SEISMIC THREADED ROD HANGER

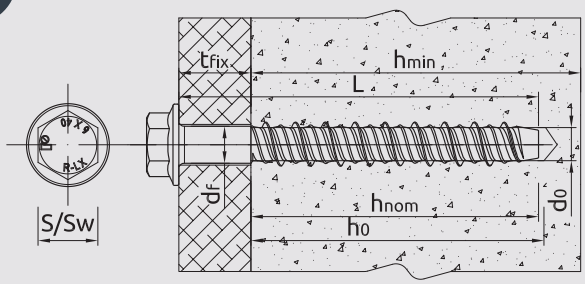


Features and benefits

- Threaded Rod Hanger generally used for suspending service supports.
- Quick and Easy Installation, saving install time verses traditional anchor types.
- High performance in cracked and non-cracked concrete confirmed by ETA Option 1.
- Seismic performance category C1 for 6mm diameter screw and C2 for 8mm diameter screw.
- For applications requiring fire resistance up to 120 minutes.
- Non-expansion functioning ensures low risk of damage to base material and makes ideal for installation near edges and adjacent anchors.

PLAN, BUILD, CREATE
BETTER

FDG SEISMIC SCREW BOLT

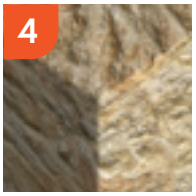


Features and benefits

- High performance in cracked and non-cracked concrete confirmed by ETA Option 1.
- Seismic performance category C1 and C2.
- Unique design with patented thread form ensures high performance for relatively small hole diameter.
- For applications requiring fire resistance up to 120 minutes.
- Non-expansion functioning ensures low risk of damage to base material and makes ideal for installation near edges and adjacent anchors.
- Available with Zinc Flake coating – Suitable for installation in corrosive environments, category C1, C2, C3 and C4.
- Oversize head for fixtures with elongated holes
- Suitable for standard and reduced embedment depth
- Manufactured in Poland to rigorous European Quality Control Standards.

BASE MATERIAL

FDG Seismic anchors are ideal for the following base materials:



1. **Cracked concrete C20/25-C50/60**
2. **Non-cracked concrete C20/25-C50/60**
3. **Reinforced concrete**
4. **Also applicable to: Natural Stone (after site testing)**

DID YOU KNOW?

In order to choose the right anchor for a particular application, there are several key aspects to be considered: Environmental conditions, base material, anchor spacing and edge distances, load bearing capacity, loading type and setting data. Talk to one of our specialised team members today to see how we can help you find the right anchors for your next project. Contact us at **0800 555 464** or visit out our website at **www.fdgnz.com**.

SEISMIC ANCHOR PROTECTIVE COATING

FDG's seismic anchor range includes four corrosion protection variants:

1 ZINC PLATING

- Galvanization (zinc plating), is the deposition of a thin layer of aluminium onto a metal component to provide a protective layer.
- Zinc plating is often applied to iron or steel parts whose surface would rust when exposed to air or water.
- Coating thickness 10 to 12 µm.

2 HOT DIP GALVANIZING

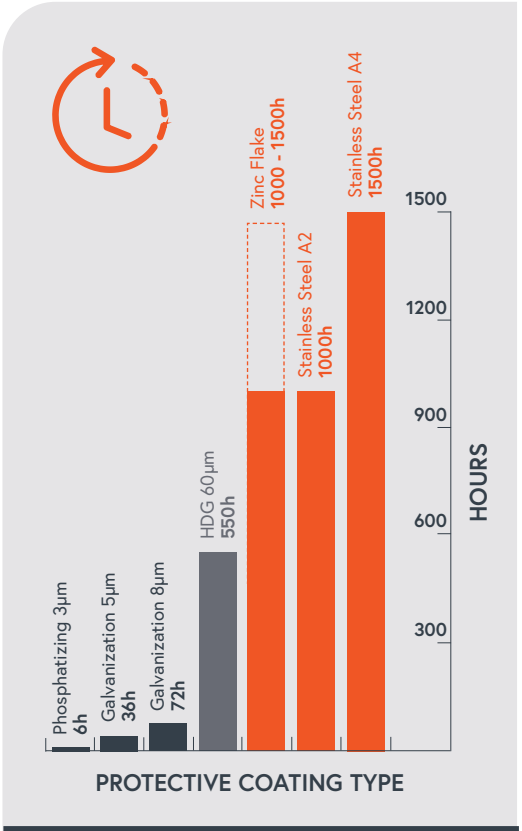
- The coating is applied to products using the immersion method. When clean steel is immersed into molten zinc, a series of zinc-iron alloy layers are formed by a metallurgical reaction between the iron and zinc, providing a robust coating which is an integral part of the steel.
- Coating thickness 40-100 µm.

3 ZINC FLAKE COATING

- Zinc coatings are composed of a mixture of zinc and aluminium, bonded together to create a high protection coating.
- This Zinc flake coating has the highest cathodic corrosion protection.
- Thin coating system: 5-25 µm.

4 STAINLESS STEEL

- Stainless steel is made up of a broad group of alloys each of which exhibits its own physical and corrosion-resistant properties.
- Stainless steel has a passive film resist rusting when the material is exposed to the weather.
- Suitable for installation in corrosive environments category C5.



*All product specifications and ETA documentation are available for download from our website: **www.fdgnz.com/c1-c2-certified-seismic-anchors** or get in touch with the team at FDG today.*

Design support with anchor engineering software

FDG can also assist with site specific anchor recommendations and calculations. Using the EasyFix anchor engineering software we can provide comprehensive documentation outlining anchor performance within your given parameters to assist with compliance. This tool has been designed in alliance with industry experts and practitioners to respond to specific design related requirements. Talk to our team for more information about how this can help you or your engineering team.

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