

DEWALT®

ANCHORS AND FIXING SYSTEMS

EDITION 1





ANCHORING AND FIXING EXPERTISE

DeWALT® is a recognised global leader in designing and manufacturing solutions for the construction industry with extensive expertise in mechanical and adhesive anchors, light-duty fixing and direct fastening systems.

TESTED TO EXTREMES

The products in this catalogue have been through the most rigorous development and testing programmes and provide innovative solutions with the reassurance of high performance and full compliance with relevant building codes backed by comprehensive technical documentation and design software.

As a result, you can be sure of each and every fixing.

DeWALT® Anchors and Fixing Systems - the first name for construction fixing.

ENGINEERED BY
 **Powers®**

The Powers logo features a stylized star or 'P' shape to the left of the word 'Powers' in a bold, sans-serif font. A registered trademark symbol (®) is at the end of the word. The background of the entire page is a solid blue color, with a white, curled corner effect in the bottom right corner.

BASE MATERIALS

QUICK REFERENCE GUIDE



UNCRAKED CONCRETE



CRACKED CONCRETE



HOLLOW-CORE CONCRETE SLABS



NATURAL STONE



SOLID BRICK/MASONRY



HOLLOW BRICK



SAND-LIME STONE SOLID



PERFORATED SAND-LIME STONE



LIGHTWEIGHT CONCRETE



AERATED CONCRETE



PLASTERBOARD



PLASTER BLOCK



METAL PROFILE



WOOD PROFILE



METAL TO METAL PROFILE



CHIPBOARD



WOOD



STEEL

PRODUCT COLOUR CODING

DeWALT® mechanical and adhesive anchors are now colour coded by material type for quick and easy selection.

See pages 8 and 9 for more information.

IDEAL FOR CONCRETE



IDEAL FOR MASONRY



UNIVERSAL



IDEAL FOR PLASTERBOARD





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COMPLETE SOLUTIONS

We are proud to be able to offer the complete solution for any application by having a full range of anchors and fixings, accessories, power tools, dust extraction and storage products to help you finish your jobs to the highest quality.

ANCHORS

DEWALT® mechanical anchors, fixings, adhesive anchors and direct fixing systems offer the complete solution; whether working on a construction site or specifying anchors for a major civil engineering project.

KEY ATTRIBUTES TO THIS RANGE INCLUDE:

- **Full compliance with industry specification and ETA / CE certification applying to a large number of products in the range.**
- **Core product range for use in many applications from trade contractors to construction and engineering projects.**
- **Comprehensive technical support and advice available.**
- **Range planning, merchandising and marketing support available including an extensive technical and image library.**





ACCESSORIES

XLR® BITS FOR SDS-plus® AND SDS-max® HAMMERS

- Solid carbide tip with 4 cutters giving long life and durability
- 4 cutter heads drill a more concentric hole for improved fixing retention
- 4 flute spirals aid consistent drilling speed and efficient debris removal

EXTREME MASONRY DRILL BITS

- Innovative Tip Design - unique design provides an efficient drilling action and reduced walking for greater accuracy
- Up to 50% more holes per charge when used with cordless drills

TOOLS

DeWALT® is constantly pushing the boundaries to create innovative tools for the construction professional.

Tools carrying the Perform and Protect shield are designed to exceed the highest demands of the job site whilst meeting strict criteria in key health and safety issues:

- **CONTROL** – unique and innovative torque features help to protect the end user from accidental jams
- **VIBRATION** - integrated vibration dampening systems allow users to operate tools safer for longer
- **DUST** – advanced dust control guards against dust inhalation, helping to create a cleaner, safer working environment

SPECIALLY SELECTED FOR ANCHOR INSTALLATION



DCH334X2

**54V XR FLEXVOLT BRUSHLESS 3 MODE
QUICK CHANGE CHUCK DEDICATED
CORDLESS HAMMER**

**Battery Capacity 9.0 Ah
Blows per Minute 0-4480 bpm**

No Load Speed	0-1000 rpm
Tool holder	SDS-plus®
Max. Drilling Capacity [Concrete]	30 mm
Max. Drilling Capacity [Core bit]	N/a
Max. Drilling Capacity [Wood]	30 mm
Max. Drilling Capacity [Metal]	13 mm
Weight (excl. / inc. battery)	3.9 kg / 5.2 kg
Hand/Arm Vibration - Hammer drilling into concrete	7.5 m/s ²

D25134K

26MM 3 MODE HAMMER WITH QCC

**Power Input 800 Watts
Blows per Minute 0-5540 bpm**



No Load Speed	0-1500 rpm
Tool Holder	SDS-plus®
Max. Drilling Capacity [Concrete]	26 mm
Max. Drilling Capacity [Core bit]	65 mm
Max. Drilling Capacity [Wood]	30 mm
Max. Drilling Capacity [Metal]	13 mm
Weight	3 kg
Hand/Arm Vibration - Hammer drilling into concrete	15.7 m/s ²



DCH273P2

**18V XR LI-ION BRUSHLESS 3 MODE
DEDICATED CORDLESS HAMMER**

**Battery Capacity 5.0 Ah
Blows per Minute 0-4600 bpm**

No Load Speed	0-1100 rpm
Tool Holder	SDS-plus®
Max. Drilling Capacity [Concrete]	24 mm
Max. Drilling Capacity [Wood]	26 mm
Max. Drilling Capacity [Metal]	13 mm
Weight (excl. / inc. battery)	2.5 kg / 3.1 kg
Hand/Arm Vibration - Hammer drilling into concrete	6.6 m/s ²

DCH481X2

**54V XR FLEXVOLT BRUSHLESS
3 MODE DEDICATED CORDLESS
SDS-max® HAMMER**

**Battery Capacity 9.0 Ah
Blows per Minute 3150 bpm**



Load Speed	540 rpm
Tool Holder	SDS-max®
Max. Drilling Capacity [Concrete]	40 mm
Max. Drilling Capacity [Breakthrough bit]	65 mm
Max. Drilling Capacity [Core bit]	100 mm
Weight (excl. / inc. battery)	5.4 kg / 6.7 kg
Hand/Arm Vibration - Hammer drilling into concrete	9.4 m/s ²



D25601K

45MM SDS-max® COMBINATION HAMMER

**Power Input 1250 Watts
Blows per Minute 1430-2840 bpm**

Load Speed	210-415 rpm
Tool Holder	SDS-max®
Max. Drilling Capacity [Concrete]	45 mm
Max. Drilling Capacity [Breakthrough bit]	65 mm
Max. Drilling Capacity [Core bit]	100 mm
Weight	6.8 kg
Hand/Arm Vibration - Hammer drilling into concrete	8.8 m/s ²



FULL HEAD CARBIDE BITS FOR SDS-max® AND SDS-plus® DRILLS



APPLICATIONS

Constructed with a single piece carbide head, with four main cutting faces. For use with SDS-max® drive hammer drills (Hilti type F, G, or Y).

Suitable for drilling plug and anchor holes in masonry, all types of stone and concrete.

FEATURES

- Single piece carbide
- 4 Flute Helix maximises mill removal for fast drilling and clear holes.
- Long Helix length with optimised free space for faster debris removal
- Optimised heat treatment for maximum strength
- Maximum durability in hard concrete



EXTREME DeWALT® MASONRY DRILL BITS



APPLICATIONS

Ideal for fixing or pipework clearance holes. Suitable for masonry, brick, stone, tiles and light concrete

FEATURES

- Innovative Tip Design - unique design provides an efficient drilling action and reduced walking for greater accuracy

EXTREME® FOR SDS-max® DRILLS

Cat. No.	Diameter [mm]	Length [mm]	Working Length [mm]
DT9400-QZ	12	340	200
DT9401-QZ	12	540	400
DT9402-QZ	12	670	550
DT9405-QZ	14	340	200
DT9406-QZ	14	540	400
DT9407-QZ	15	340	200
DT9408-QZ	15	540	400

XLR® FOR SDS-max® DRILLS

Cat. No.	Diameter [mm]	Length [mm]	Working Length [mm]
DT60809-QZ	16	340	190
DT60810-QZ	16	540	390
DT60811-QZ	18	340	190
DT60812-QZ	18	540	390
DT60813-QZ	19	340	190
DT60814-QZ	19	540	390
DT60815-QZ	19	670	520
DT60816-QZ	20	340	210
DT60817-QZ	20	540	410
DT60818-QZ	20	920	790
DT60819-QZ	22	340	210
DT60820-QZ	22	540	410
DT60821-QZ	22	920	790
DT60822-QZ	24	340	210
DT60823-QZ	24	540	410
DT60824-QZ	25	340	210
DT60825-QZ	25	540	410
DT60826-QZ	25	920	790
DT60827-QZ	26	340	210
DT60828-QZ	26	540	410
DT60829-QZ	28	380	250
DT60830-QZ	28	570	440
DT60831-QZ	28	670	540
DT60832-QZ	30	380	250
DT60833-QZ	30	570	440
DT60834-QZ	32	380	250
DT60835-QZ	32	570	440
DT60836-QZ	32	920	790
DT60837-QZ	35	380	250
DT60838-QZ	35	570	440
DT60839-QZ	35	670	540
DT60840-QZ	36	570	430
DT60841-QZ	38	380	240
DT60842-QZ	38	570	440
DT60843-QZ	38	670	530
DT60844-QZ	40	380	240
DT60845-QZ	40	570	440
DT60846-QZ	40	920	730
DT60847-QZ	42	570	430

XLR® FOR SDS-plus® DRILLS

Cat. No.	Diameter [mm]	Length [mm]	Working Length [mm]
DT8907-QZ	5	110	50
DT8908-QZ	5	160	100
DT8909-QZ	5	210	150
DT8910-QZ	5.5	110	50
DT8911-QZ	5.5	160	100
DT8912-QZ	6	110	50
DT8913-QZ	6	160	100
DT8914-QZ	6	210	150
DT8915-QZ	6	260	200
DT8916-QZ	6.5	160	100
DT8917-QZ	6.5	210	150
DT8918-QZ	6.5	260	200
DT8919-QZ	6.5	310	250
DT8920-QZ	7	160	100
DT8921-QZ	7	210	150
DT8922-QZ	8	110	50
DT8923-QZ	8	160	100
DT8924-QZ	8	210	150
DT8925-QZ	8	260	200
DT8926-QZ	8	310	250
DT8927-QZ	8	460	400
DT8928-QZ	10	160	100
DT8929-QZ	10	210	150
DT8930-QZ	10	260	200
DT8931-QZ	10	310	250
DT8932-QZ	10	460	400
DT8933-QZ	12	160	100
DT8934-QZ	12	200	150
DT8935-QZ	12	260	200
DT8936-QZ	12	310	260
DT8937-QZ	12	460	410
DT8938-QZ	14	160	100
DT8939-QZ	14	200	150
DT8940-QZ	14	260	200
DT8941-QZ	14	310	250
DT8942-QZ	14	460	400



EXTREME® DRILL BITS

Cat. No.	Diameter [mm]	Length [mm]	Working Length [mm]
DT6695-QZ	3	110	70
DT6671-QZ	4	75	50
DT6672-QZ	5	85	50
DT6673-QZ	5	150	100
DT6674-QZ	5.5	85	50
DT6675-QZ	6	100	60
DT6676-QZ	6	150	100
DT6677-QZ	6	200	150
DT6678-QZ	6.5	100	60
DT6679-QZ	6.5	150	100
DT6680-QZ	7	100	60
DT6681-QZ	7	150	100
DT6682-QZ	8	120	80
DT6683-QZ	8	200	150
DT6684-QZ	9	120	80
DT6685-QZ	10	120	80
DT6686-QZ	10	200	150
DT6687-QZ	12	150	100
DT6688-QZ	12	200	150
DT6689-QZ	13	150	100
DT6690-QZ	14	150	100
DT6691-QZ	14	200	150
DT6692-QZ	16	150	100
DT6693-QZ	16	200	150

ANCHORS COLOUR CODING

COLOUR CODING

Identifying the right mechanical or adhesive anchor has never been easier - simply identify your application material and select from the range of products with the corresponding colour-code.

What is the base material that you're fixing into?

Anchors can be used in the material type indicated by the pack colour:



UNIVERSAL ANCHOR



IDEAL FOR MASONRY



IDEAL FOR PLASTERBOARD



IDEAL FOR CONCRETE



Handy packs are now colour-coded by material type.



COLOUR CODING AND RECOMMENDED BASE MATERIALS



UNIVERSAL

**FIXINGS FOR WIDE RANGE
OF BASE MATERIALS**
- IDEAL FOR LIGHTER
APPLICATIONS



MASONRY

**A BROAD RANGE OF
FIXINGS FOR MASONRY**
INCLUDING HOLLOW
BLOCK AND AERATED
MATERIALS



PLASTERBOARD

**SPECIALLY DESIGNED
FIXINGS FOR USE WITH
PLASTERBOARD AND
DRYWALL MATERIALS**



CONCRETE

**FIXINGS SUITABLE
FOR CRACKED AND
UNCRAKED CONCRETE -
MANY WITH ETA**



MECHANICAL FIXINGS KITS

Many of the most popular DeWALT® mechanical anchors are also available in fixings kits. Including a selection of different anchor types and sizes, the

kits are supplied in handy storage boxes so that you can keep everything organised and ready for when you need them.

DFMNHS250 250 PIECE HAMMER SCREW KIT



CONTENTS	Qty
6 X 40 NYLON HAMMER SCREW	x 100
6 X 60 NYLON HAMMER SCREW	x 50
6 X 80 NYLON HAMMER SCREW	x 50
8 X 100 NYLON HAMMER SCREW	x 50



DFMMIX350 350 PIECE MIXED ANCHOR KIT

CONTENTS	Qty
ZIP-IT METAL - INCLUDE SCREWS	x 100
6 X 60 NYLON HAMMER SCREW	x 50
8 X 100 NYLON HAMMER SCREW	x 50
5 X 50 HOLLOW WALL ANCHOR	x 50
6 X 30 NYLON PLUG	x 100

DFMNP395 395 PIECE ASSORTED NYLON PLUG KIT



CONTENTS	Qty
5 X 25 NYLON PLUG	x 100
6 X 30 NYLON PLUG	x 100
8 X 40 NYLON PLUG	x 100
10 X 50 NYLON PLUG	x 50
12 X 60 NYLON PLUG	x 25
14 X 70 NYLON PLUG	x 20

DFMNP500**500 PIECE NYLON
AND PX PLUG KIT****CONTENTS****Qty**

■ 6 X 30 NYLON PLUG	x 100
■ 8 X 40 NYLON PLUG	x 100
■ 10 X 50 NYLON PLUG	x 50
■ 6 X 30 PX-U UNIVERSAL PLUG	x 100
■ 8 X 40 PX-U UNIVERSAL PLUG	x 100
■ 10 X 50 PX-U UNIVERSAL PLUG	x 50

**DFMZIP300****300 ZIP IT
PLASTERBOARD
ANCHOR KIT****CONTENTS****Qty**

■ ZIP-IT METAL - INCLUDE SCREWS	x 200
■ ZIP-IT NYLON - INCLUDE SCREWS	x 100
P22 X 100MM SCREWDRIVER	x 1

DFMNHS150**150 PIECE HAMMER
FIXINGS KIT****CONTENTS****Qty**

■ 6 X 60 NYLON HAMMER SCREW	x 50
■ 8/ X 80 NYLON HAMMER SCREW	x 50
■ 8 X 100 NYLON HAMMER SCRW	x 50

**DFMNP300****300 PIECE
NYLON PLUG KIT****CONTENTS****Qty**

■ 5 X 25 NYLON PLUG	x 100
■ 6 X 30 NYLON PLUG	x 100
■ 8 X 40 NYLON PLUG	x 100

DFMZIP200**200 PIECE ZIP IT
PLASTERBOARD
ANCHOR KIT****CONTENTS****Qty**

■ ZIP-IT METAL - INCLUDE SCREWS	x 200
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**DFMWD279****279 PIECE WALLDOG,
ZIP-IT AND STRAP
TOGGLE KIT****CONTENTS****Qty**

■ STRAP TOGGLE ST6	x 25
■ ZIP-TOGGLE NYLON	x 50
■ WALLDOG PAN WHITE HEAD	x 100
■ WALLDOG PAN CHROME HEAD	x 100
Ph2 50mm IR Torsion	x 2
BIT, SDS-plus® EXTREME 5 X 110	x 1
FLATWOOD 13 X 152	x 1

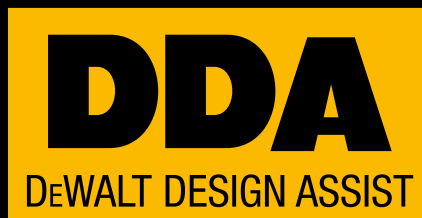


TECHNICAL SUPPORT

This catalogue has been designed to help you select the best **DeWALT®** anchor or fixing for your application, but if you need a more detailed specification please refer to the **DeWALT®** technical and ETA documentation. This provides comprehensive product information including:

- **Easy-to-follow installation instructions**
- **Detailed load capacities**
- **Materials specifications**

We also recommend that you use the **DeWALT® Design Assist** software that provides all the information you need for the efficient calculation of single and multiple anchor connections.



**FOR MORE INFORMATION VISIT
www.DeWALTDESIGNASSIST.COM**

Innovation has always been a core strength of **DeWALT®** and since its foundation has been delivering innovative anchoring solutions for attachment to concrete, masonry, steel and wood.

DeWALT® employs a large team of senior anchor design and test engineers at our state-of-the-art laboratories and their expertise together with the massive engineering resources of Stanley Black & Decker ensures that we provide innovative, high-quality anchoring solutions.

In-house QC inspection and testing procedures by our experienced technical personnel ensure that only the highest quality fixings enter the market place.



PRODUCT APPROVALS

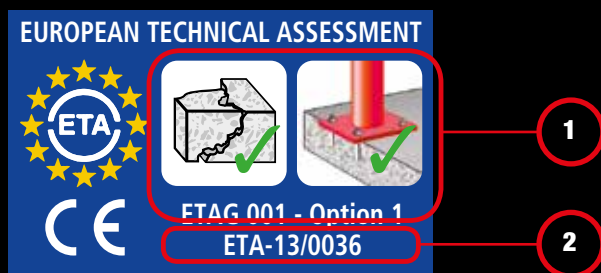
To ensure maximum performance, D_EWALT® fixings undergo the most rigorous manufacturing and testing procedures. As a result, many have received some of the world's most demanding approvals including ETA and ICC ES certification.

To find out which products have approvals please refer to the table opposite or see the relevant

product page. Load values indicated on product pages assume single anchors use without the influence of surface edges, spacing or material thickness.

For full technical information and to download the relevant approval and certification documentation please visit www.DEWALT.com.

EUROPEAN TECHNICAL ASSESSMENT (ETA)



Anchor products hold a European Technical Assessment (ETA) and are qualified according to stringent technical guidelines.

Products complying with European standards or approvals are marked with the CE Marking.

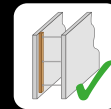
1. Technical approval type
2. European technical approval number



Approved for use in cracked concrete



Approved for use in cracked concrete and masonry



Approved for multiple fixing, facade applications



Approved for use in uncracked concrete



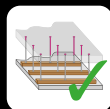
Approved for single fixing installations



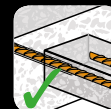
Approved for core drilled holes



Approved for use in masonry



Approved for multiple fixing, non-structural applications



Approved for post-installed rebar

ADDITIONAL APPROVALS INCLUDE:



Products that have been tested and approved for **fire resistance**. For more information, please refer to the relevant product approval documentation.



The **Evaluation Service of the International Code Council (ICC ES)** provides test guidelines for anchor qualification in the US. The ICC-Evaluation reports granted on the basis of their acceptance criteria are internationally recognised and provide a high degree of safety.



The **National Sanitation Foundation (NSF) International** is an independent organisation that provides standards for areas such as product certification for public health and the environment.

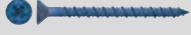
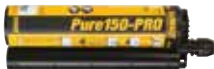


Products tested for the emission of volatile substances in indoor air, with a risk of inhalation toxicity, on a scale ranging from class A + (very low emissions) to C (high emissions) level.



Product is approved for seismic load applications.

For comprehensive specification and installation instructions, please refer to the **DeWALT®** Technical Manual, the relevant European Technical Assessment (ETA) or contact your local customer service team for more assistance.

					LISTINGS AND APPROVALS						
PRODUCT					European Technical Assessment	CE Marked	Fire Rating	ICC-ES (AC)	NSF / WQA	VOC	Seismic Approval
MECHANICAL ANCHORS		BLUE-TIP SCREWBOLT™ - HEX HEAD ZINC PLATED	25	✓							
		BLUE-TIP SCREWBOLT™ - COUNTERSUNK ZINC PLATED	31	✓							
		PB-PRO HEAVY DUTY ANCHOR	33	✓		✓					✓
		PTB-PRO HEAVY DUTY THROUGHBOLT - ZINC PLATED	37	✓		✓					✓
		PTB-SS-ETA1-PRO HEAVY DUTY THROUGHBOLT	41	✓		✓					
		SNAKE-PRO SELF-TAPPING ANCHOR	50	✓		✓	✓				✓
		DM-LIP-PRO DROP-IN ANCHOR	52	✓		✓					
		DM-PRO® DROP-IN ANCHOR	52	✓		✓					
		DM-SS-PRO DROP-IN ANCHOR	53	✓		✓					
		BSC-PBZ-PRO STEEL WEDGE NAILS	60	✓		✓					
		PBZ-PRO STEEL WEDGE NAILS	60	✓		✓					
		FRAMID® PRO - HEX HEAD ZINC PLATED & STAINLESS STEEL	89	✓		✓					
		FRAMID® PRO - COUNTERSUNK ZINC PLATED & STAINLESS STEEL	91	✓		✓					
		TAPPER-PRO SCREWS	94				✓				
ADHESIVE ANCHORS		PURE150-PRO	Concrete	108	✓		✓	✓	✓	✓	✓
			Core-drilled concrete	108	✓		✓	✓	✓	✓	
			Post-installed rebar	108	✓		✓		✓	✓	
		AC100-PRO	Concrete	111	✓		✓	✓	✓	✓	✓
			Masonry	111	✓				✓	✓	
			Post-installed rebar	111	✓		✓		✓	✓	
		AC100-PRO NORDIC	Concrete	114	✓			✓	✓	✓	✓
			Masonry	114	✓				✓	✓	
			Post-installed rebar	114	✓				✓	✓	
		PV45-PRO	Concrete	116	✓					✓	
			Masonry	116	✓					✓	
		SC-PRO	Concrete	118	✓						
SCREW		COLLATED DRYWALL SCREWS	144		✓						
		LOOSE DRYWALL SCREWS	145		✓						

DDA

DeWALT DESIGN ASSIST

ONLINE ANCHOR DESIGN SOFTWARE

CALCULATIONS AND SPECIFICATION FOR CONSTRUCTION

- Fully featured and easy to use web-based interface
- Easy 5 step anchor design with 3D modelling of the fixing
- Professional specification of DeWALT® anchors to ETA guidelines
- Customised anchor design facility

KEEP PACE WITH CHANGING
CONSTRUCTION ENVIRONMENTS
WITH DeWALT® DESIGN ASSIST.

FOR MORE INFORMATION
VISIT www.DeWALTDESIGNASSIST.com





DRAE

DEWALT RESIN
ANCHOR ESTIMATOR

REMOVE THE GUESSWORK

FAST, ACCURATE QUANTITY GUIDE FOR RESIN ANCHORS

Get the job spec right from the start
with the DRAE online calculator

SIMPLE 5 STEP CALCULATOR, CHOOSE:

1. Your product
2. Cartridge size
3. Hardware type (stud or rebars)
4. Rod and hole diameter
5. Your embedment depth
and number of holes.
you can even add a
waste factor if required.



GET INSTANT RESULTS FOR THE
NUMBER OF CARTIDGES YOU NEED!

USE IT ONLINE NOW:

PRODUCTS.DEWALT.CO.UK/FASTENINGS/DRAE/



WHY DeWALT®?

END USER RESEARCH

On average, we speak to 20,000 users every year as part of the product development process.

A comprehensive understanding of the real applications that our users perform enables us to generate product features that are a genuine benefit to our users.

INNOVATIVE PRODUCTS

To support our users and drive our industry forward, DeWALT® consistently develops truly innovative products, across multiple categories.

This technical strength is regularly recognised by international design awards.

THE COMPLETE RANGE

DeWALT® supplies a full range of anchors and fixing systems as well as power tools and accessories giving the building contractor and professional tradesman the complete system for construction fixing.

USER LOYALTY

The cast-iron DeWALT® guarantee and premium service network ensures that our users have faith in the quality of our products. First-time buyers will become loyal DeWALT® users.

DeWALT® is heavily involved in end user events across Europe - building our brand reputation, and generating huge excitement around our diverse product portfolio.





DeWALT®

**DIRECT
FASTENING TOOLS**

**1 YEAR
FULL
WARRANTY**

**DeWALT® OFFERS AN
OUTSTANDING GUARANTEE.**

In the unlikely event that your DeWALT® tool becomes defective due to faulty materials or workmanship within 12 months of purchase, DeWALT® guarantees to replace all defective parts free of charge or - at our discretion - replace the unit free of charge.

In order to make a claim, you will need to submit proof of purchase to the seller or an authorised DeWALT® repair agent, and the product must display the CE mark, as shown below.

This is provided that the product has not been misused and has been subject to fair wear and tear. Any attempt by anyone other than an authorised service repair agent to service a tool during the warranty period will invalidate the warranty for said tool.



**MECHANICAL
ANCHORS**



QUALITY AND RELIABILITY - BUILT IN.

The **DeWALT**® range of mechanical anchors has been developed to provide dependable options for construction professionals.

Featuring an extensive selection of expansion bolts, concrete screws and expansion sockets, the range provides an ideal fixing solution for everything from fixed steelwork supports and high load construction to demountable fixtures.

QUALITY FINISHES FOR ANY APPLICATION

Ranging from zinc plated to stainless steel, the quality of materials play a large part in ensuring **DeWALT**® anchors and fixings deliver enhanced performance whatever the application.



**ZINC
PLATED**



**HOT DIP
GALVANISED**



**STAINLESS
STEEL**

CHOOSING THE RIGHT MECHANICAL ANCHOR

Aside from loading calculations, the right product selection can be influenced by the particular application, whether the fixing is permanent or removeable and what the edge distance and embedment depth need to be.

FIXED OR REMOVABLE OPTIONS



For some installations, it may be necessary to create a mounting point where the anchor needs to be removed afterwards. A drop in anchor provides a fixed socket for threaded rods whereas bolts such as **Blue-Tip Screwbolts™** can be inserted and easily removed as required.

EXPANSION ANCHORS



Utilising an expansion component, either at the base of the hole or along the length of the anchor, **DeWALT**® expansion anchors can be used to carry high loads. Because they work by friction with the base material to provide grip, they impart expansion stresses into the base substrate. Care should always be taken to work within edge distance and spacing tolerances to ensure a secure fixing.

THROUGH OR PREPOSITIONED FIXINGS



If using a through fixing, the fixture can be used as a template, and the fixing made through nominal clearance holes without the need for the object to be removed. Alternatively, without a through fixing, the fixture position must be marked then removed as the hole is drilled.

SCREW ANCHORS



Screw anchors can provide an instant fix for metal and timber fixtures onto concrete, block and brickwork. Once the pilot hole is drilled, the anchor can be driven in using an impact wrench or hand socket wrench and can also be removed quickly and easily.

DROP IN ANCHORS



Ideal for creating a demountable fixture in concrete. Drop in anchors are available in a wide range of diameters. They are easy to set with an appropriate **DeWALT**® setting tool to provide a secure mounting for threaded rods or bolt. Ideal for overhead fixtures, the anchor remains in situ, but can be skimmed or covered if not required.

MECHANICAL ANCHORS CONCRETE







BLUE-TIP SCREWBOLTS™

ONE PIECE DESIGN WITH IMMEDIATE HIGH STRENGTH LOADING.

Our **Blue-Tip Screwbolts™** are one-piece heavy duty concrete screws with ETA Option 1 approval*.

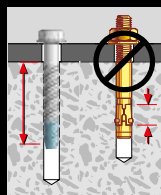
They are simple to install and provide a strong, secure hold for high load applications and small edge distances, making it the preferred choice for a fast, reliable installation into a variety of substrates.

The anchors are designed with a dust relief thread that allows for low installation torque, are fully removable and are designed to resist structural and non-structural loading in cracked and uncracked concrete.

The range includes four different head types in lengths from 30-280 mm making it an extremely versatile mechanical anchoring system.

- ETA Option 1 approved for cracked and uncracked concrete*
- One piece design for easy installation
- Approved for small edge distances
- Dust relief thread allows for low installation torque

*diameter 10 mm to 16 mm, hex head and countersunk



Grips over the total anchor length



One piece design



HEX HEAD



DOME HEAD



PAN HEAD



COUNTERSUNK

BLUE-TIP SCREWBOLTS™

APPLICATIONS

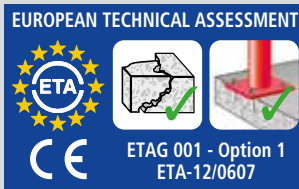
- Racking and shelving
- Temporary supports
- Fencing
- Railings and handrails
- Stadium seating
- Fastening steel and metal base plates to concrete

MATERIALS

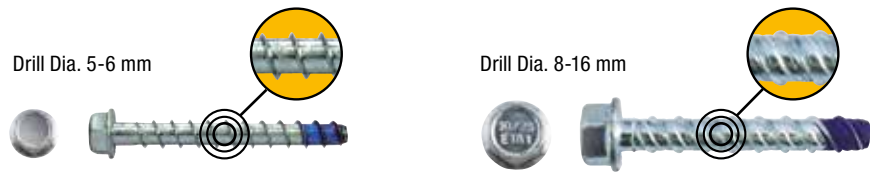


See front cover foldout for details.

APPROVALS



PRODUCT OVERVIEW - HEX HEAD ZINC PLATED



Cat No.		 Drill Dia. [mm]	 Length [mm]	 Head Size [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM1410000		5 x 50	7	15	•			100
DFM1410030		6 x 30	10	5	•			100
DFM140003P		6 x 30	10	5			•	4
DFM1410050		6 x 50	10	15	•			100
DFM141007S		6 x 60	10	25	•			50
DFM1410070		6 x 60	10	25	•			100
DFM140006P		6 x 60	10	25			•	4
DFM1410090		6 x 80	10	35	•			50
DFM140008P		6 x 80	10	35			•	4
DFM1410110		6 x 80	10	35	•			100
DFM141011S		6 x 100	10	55	•			50
DFM140010P		6 x 100	10	55			•	4
DFM1410130		6 x 120	10	75	•			100
DFM1410180		8 x 50	13	5	•			50
DFM1410210		8 x 75	13	10	•			50
DFM140021P		8 x 75	13	10			•	4
DFM141024S		8 x 100	13	35	•			25
DFM1410240		8 x 100	13	35	•			50
DFM140026P		8 x 100	13	35			•	4
DFM1410280	•	10 x 60	17	5	•			50
DFM140040P	•	10 x 60	17	5			•	2
DFM141032S	•	10 x 75	17	20	•			25
DFM1410320	•	10 x 75	17	20	•			50
DFM140044P	•	10 x 75	17	20			•	2
DFM141036S	•	10 x 100	17	45	•			25
DFM1410360	•	10 x 100	17	45	•			50
DFM140047P	•	10 x 100	17	45			•	2
DFM1410430	•	10 x 120	17	65	•			25
DFM140051P	•	10 x 120	17	65			•	2
DFM1410450	•	10 x 140	17	85	•			25
DFM1410480	•	10 x 160	17	105	•			20
DFM1410510	•	10 x 200	17	145	•			20
DFM1410540	•	10 x 240	17	185	•			20
DFM1410580	•	10 x 280	17	225	•			20
DFM1410650	•	12 x 75	19	5	•			25
DFM140064P	•	12 x 75	19	5			•	2
DFM1410680	•	12 x 100	19	30	•			25
DFM140065P	•	12 x 100	19	30			•	2
DFM1410710	•	12 x 150	19	80	•			20
DFM140071P	•	12 x 150	19	80			•	2
DFM1410740	•	12 x 200	19	130	•			20
DFM1410770	•	16 x 100	23	20	•			20
DFM1410800	•	16 x 130	23	50	•			10
DFM1410830	•	16 x 150	23	70	•			10
DFM1410860	•	16 x 200	23	120	•			10
DFM1410890	•	16 x 240	23	160	•			10



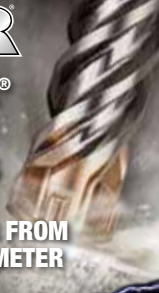
SDS-plus®
CARBIDE
DRILL BITS

FOR FAST
INSTALLATION FROM
5-14 MM DIAMETER



DCH334
54V XR
FLEXVOLT
SDS-plus® HAMMER

See page 6 for more information




BLUE-TIP SCREWBOLTS™

APPLICATIONS

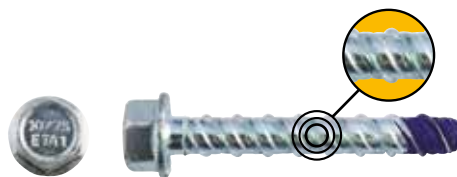
- Outdoor environments
- Higher corrosion resistance compared to zinc

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - HEX HEAD HOT DIPPED GALVANISED



Cat No.		 Drill Dia. [mm]	 Length [mm]	 Head Size [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM1420495		10 x 60	17	5	•			50

APPLICATIONS

- Suitable for applications where there is demand for higher corrosion resistance
- Extreme outdoor environments

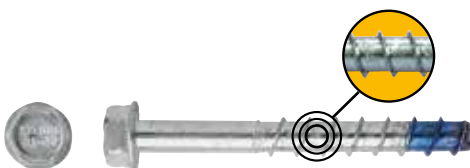
MATERIALS



See front cover foldout for details.

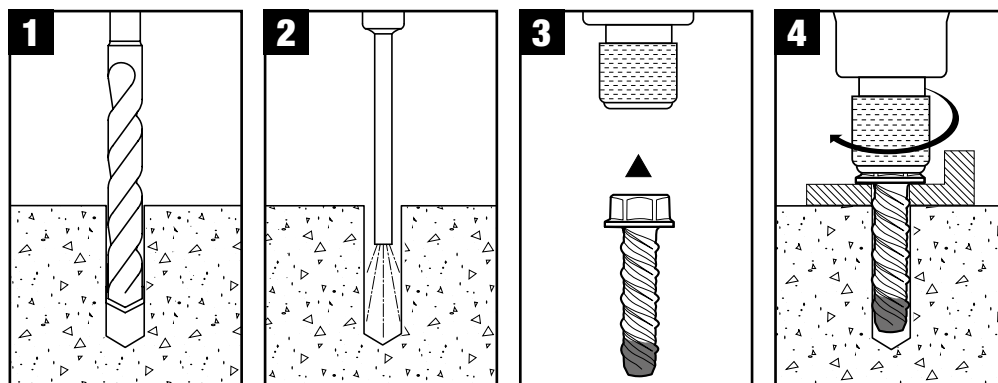
PRODUCT OVERVIEW - HEX HEAD STAINLESS STEEL

NEW



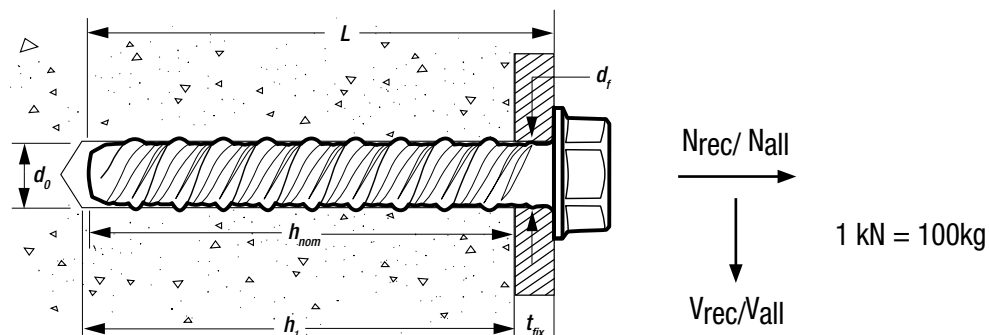
Cat No.		 Drill Dia. [mm]	 Length [mm]	 Head Size [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM1420070		6 x 45	10	1	•			100
DFM1420072		6 x 60	10	5	•			100
DFM1420074		10 x 85	17	5	•			50
DFM1420076		10 x 100	17	20	•			50

INSTALLATION INSTRUCTIONS



BLUE-TIP SCREWBOLTS™

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP HEX HEAD ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d _o x L [mm]	h _{nom} [mm]	h _f [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
5 x 50	35	45	7	15	0.8	1.0
6 x 30	25	35	7	5	0.5	1.2
6 x 50	35	45	8	15	0.8	1.6
6 x 60	35	45	8	25	0.8	1.6
6 x 80	45	55	8	35	1	1.6
6 x 100	45	55	8	55	1	1.6
6 x 120	45	55	8	75	1	1.6
8 x 50	45	55	10	5	1.4	3.2
8 x 75	65	75	10	10	2.1	3.4
8 x 100	65	75	10	35	2.1	3.4



ALLOWABLE LOADS - UNCRACKED CONCRETE - BLUE-TIP HEX HEAD ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - d _o x L [mm]	h _{nom} [mm]		h _f [mm]		d _f [mm]	t _{fix} [mm]		N _{all} [kN]		V _{all} [kN]	
	min	max	min	max		min h _{nom}	max h _{nom}	min	max	min	max
10 x 60	55		65		12	5		2.6		6.1	
10 x 75	55		65		12	20		2.6		6.1	
10 x 100	55	75	65	85	12	45	25	2.6	4.1	6.1	10.3
10 x 120	55	75	65	85	12	65	45	2.6	4.1	6.1	10.3
10 x 140	55	75	65	85	12	85	65	2.6	4.1	6.1	10.3
10 x 160	55	75	65	85	12	105	85	2.6	4.1	6.1	10.3
10 x 200	55	75	65	85	12	145	125	2.6	4.1	6.1	10.3
10 x 240	55	75	65	85	12	185	165	2.6	4.1	6.1	10.3
10 x 280	55	75	65	85	12	225	205	2.6	4.1	6.1	10.3
12 x 75	70		80		14	5		4.1		8.8	
12 x 80	70		80		14	10		4.1		8.8	
12 x 100	70	85	80	95	14	30	15	4.1	5.4	8.8	17
12 x 150	70	85	80	95	14	80	65	4.1	5.4	8.8	17
16 x 100	80		90		19	20		6.3		20.8	
16 x 130	80	110	90	125	19	50	20	6.3	9.9	20.8	26.2
16 x 150	80	110	90	125	19	70	40	6.3	9.9	20.8	26.2
16 x 200	80	110	90	125	19	120	90	6.3	9.9	20.8	26.2
16 x 240	80	110	90	125	19	160	130	6.3	9.9	20.8	26.2

BLUE-TIP SCREWBOLTS™

ALLOWABLE LOADS - CRACKED CONCRETE - BLUE-TIP HEX HEAD ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - d ₀ x L [mm]	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		N _{all} [kN]		V _{all} [kN]	
	min	max	min	max		min h _{nom}	max h _{nom}	min	max	min	max
10 x 60	55		65		12	5		1.0		4.3	
10 x 75	55		65		12	20		1.0		4.3	
10 x 100	55	75	65	85	12	45	25	1.0	2.0	4.3	7.4
10 x 120	55	75	65	85	12	65	45	1.0	2.0	4.3	7.4
10 x 140	55	75	65	85	12	85	65	1.0	2.0	4.3	7.4
10 x 160	55	75	65	85	12	105	85	1.0	2.0	4.3	7.4
10 x 200	55	75	65	85	12	145	125	1.0	2.0	4.3	7.4
10 x 240	55	75	65	85	12	185	165	1.0	2.0	4.3	7.4
10 x 280	55	75	65	85	12	225	205	1.0	2.0	4.3	7.4
12 x 75	70		80		14	5		1.4		6.3	
12 x 80	70		80		14	10		1.4		6.3	
12 x 100	70	85	80	95	14	30	15	1.4	1.7	6.3	17
12 x 150	70	85	80	95	14	80	65	1.4	1.7	6.3	17
12 x 200	70	85	80	95	14	130	115	1.4	1.7	6.3	17
16 x 100	80		90		19	20		3.0		14.8	
16 x 130	80	110	90	125	19	50	20	3.0	4.8	14.8	25.8
16 x 150	80	110	90	125	19	70	40	3.0	4.8	14.8	25.8
16 x 200	80	110	90	125	19	120	90	3.0	4.8	14.8	25.8
16 x 240	80	110	90	125	19	160	130	3.0	4.8	14.8	25.8

RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP HEX HEAD HOT DIPPED GALVANISED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1$ $\gamma_F = 1.4$

Size - d ₀ x L [mm]	h _{nom} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
10 x 60	55	65	12	5	2.6	6.1

RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP HEX HEAD STAINLESS STEEL



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1$ $\gamma_F = 1.4$

Size - d ₀ x L [mm]	h _{nom} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
6 x 45	45	55	8	1	1.7	1.6
6 x 60	55	65	8	5	2.0	1.6
10 x 85	80	90	12	5	4.1	6.1
10 x 100	80	90	12	20	4.1	6.1

BLUE-TIP SCREWBOLTS™

APPLICATIONS

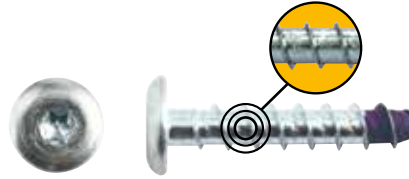
- Fencing
- Handrails
- Ornamental steelwork

MATERIALS



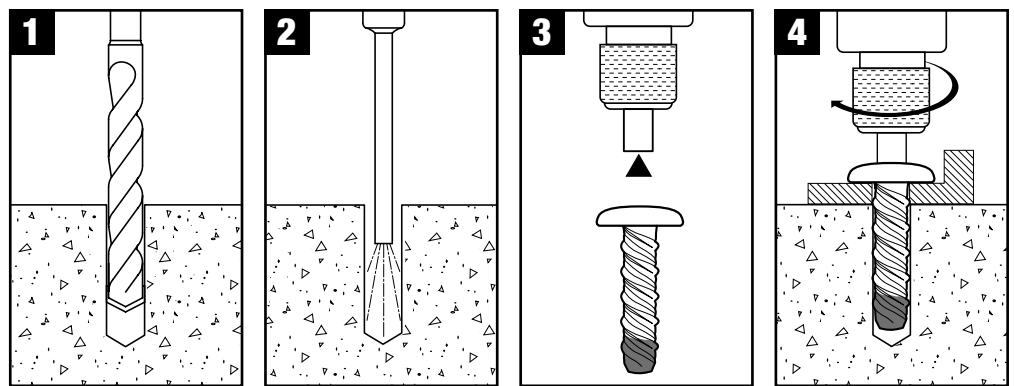
See front cover foldout for details.

PRODUCT OVERVIEW - DOME HEAD ZINC PLATED

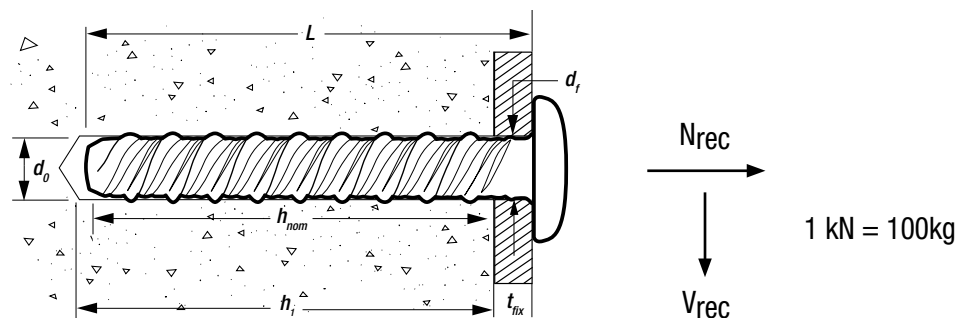


Cat No.		Drill Dia. [mm]	Length [mm]	Head Size [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1420000		6 x 40	16	T30	10	•			100
DFM142001P		6 x 40	16	T30	10			•	4
DFM1420030		6 x 50	16	T30	15	•			100
DFM142004P		6 x 65	16	T30	20			•	4
DFM1420060		6 x 65	16	T30	20	•			100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP DOME HEAD ZINC PLATED

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d _o x L [mm]	h _{nom} [mm]	h _i [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
6 x 40	30	40	8	10	0.5	1.2
6 x 50	35	45	8	15	0.8	1.6
6 x 65	45	55	8	20	1	1.6

BLUE-TIP SCREWBOLTS™

APPLICATIONS

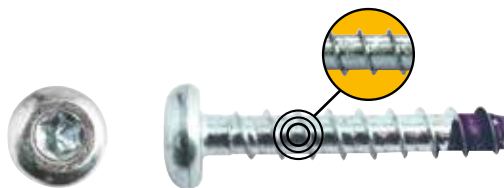
- Fencing
- Handrails
- Ornamental steelwork
- Channel support systems

MATERIALS



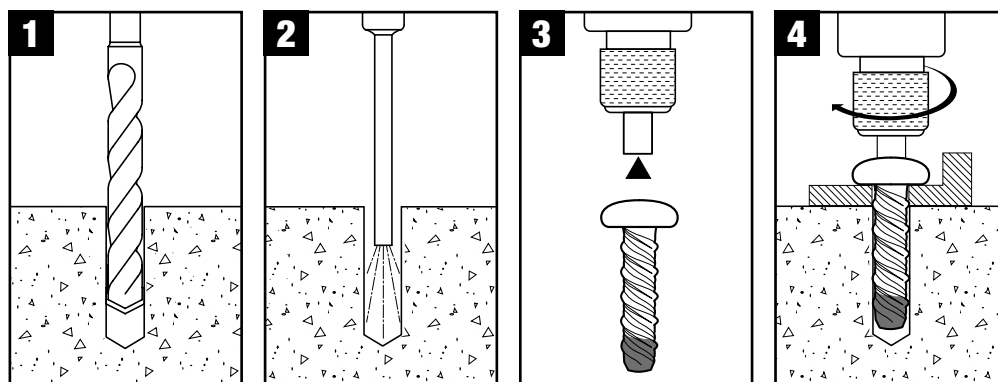
See front cover foldout for details.

PRODUCT OVERVIEW - PAN HEAD ZINC PLATED

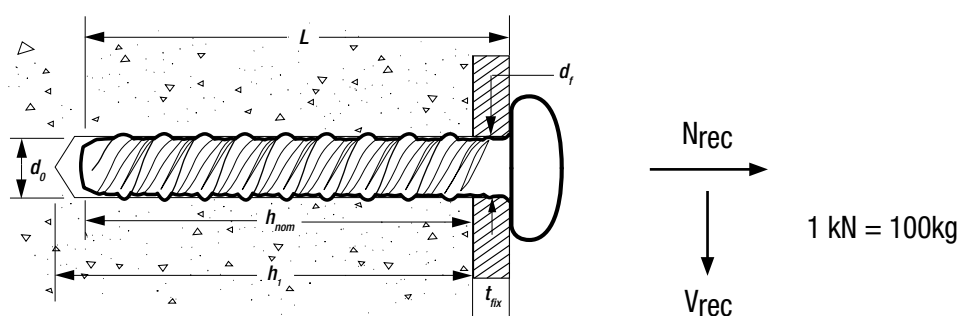


Cat No.		Drill Dia. [mm]	Length [mm]	Head Size [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1420090		6 x 45	13	T40	10	•	•		100
DFM142014P		6 x 45	13	T40	10			•	4
DFM1420120		6 x 50	13	T40	15	•			100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP PAN HEAD ZINC PLATED

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

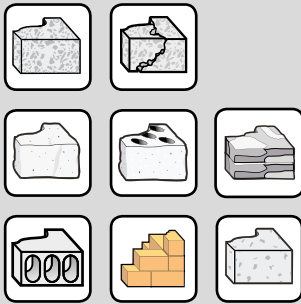
Size - d ₀ x L [mm]	h _{nom} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
6 x 45	35	45	8	10	0.8	1.6
6 x 50	35	45	8	15	0.8	1.6
6 x 60	35	45	8	25	0.8	1.6

BLUE-TIP SCREWBOLTS™

APPLICATIONS

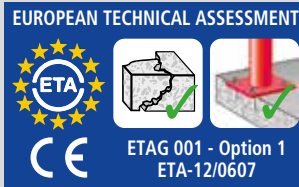
- Temporary supports
- Window and door frame installations
- Mounting fixtures on walls
- Fixing wood to concrete and masonry

MATERIALS

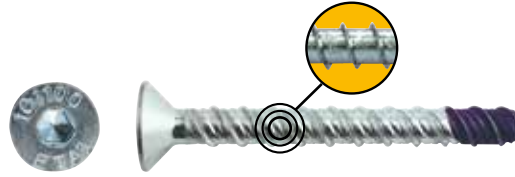


See front cover foldout for details.

APPROVALS

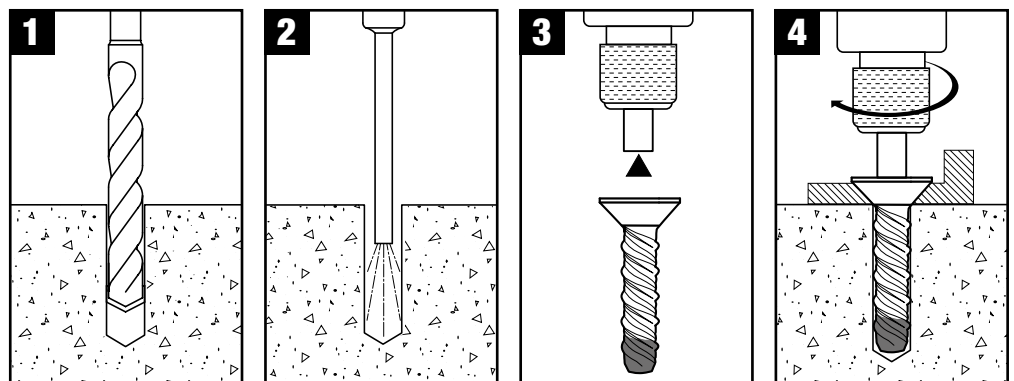


PRODUCT OVERVIEW - COUNTERSUNK ZINC PLATED



Cat No.	ETA	Drill Dia. [mm]	Length [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM142017P		6 x 50	T40	15		•		4
DFM1420270		6 x 50	T40	15		•		100
DFM142022P		6 x 75	T40	15		•		4
DFM1420300		6 x 75	T40	15		•		50
DFM142025P		6 x 100	T40	55		•		4
DFM1420330		6 x 100	T40	55		•		50
DFM1420340		8 x 50	-	5		•		50
DFM1420390		8 x 75	6mm	10		•		50
DFM142038P		8 x 100	6mm	35		•		4
DFM1420420		8 x 100	6mm	35		•		50
DFM1420430		10 x 60	-	5		•		50
DFM1420480	•	10 x 75	8mm	15		•		50
DFM142044P	•	10 x 75	8mm	15		•		2
DFM1420510	•	10 x 100	8mm	45		•		50
DFM142047P	•	10 x 100	8mm	45		•		2
DFM1420490		12 x 75	-	5		•		25
DFM1420570	•	12 x 100	10mm	30		•		25
DFM1420600	•	12 x 150	10mm	80		•		20

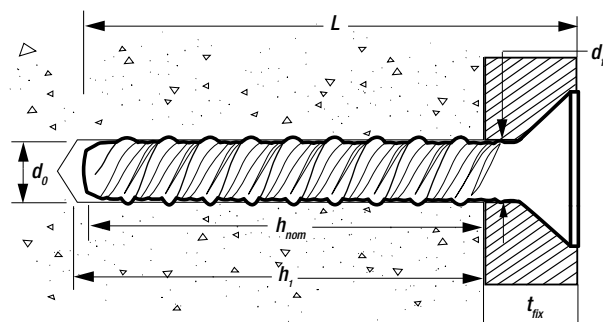
INSTALLATION INSTRUCTIONS



Visit www.DeWALT.com for more information

BLUE-TIP SCREWBOLTS™

TECHNICAL INFORMATION



N_{rec}/N_{all}
↓
 V_{rec}/V_{all}

1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - BLUE-TIP COUNTERSUNK ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_0 \times L$ [mm]	h_{nom} [mm]	h_1 [mm]	d_f [mm]	t_{fix} [mm]	N_{rec} [kN]	V_{rec} [kN]
6 x 40	35	45	8	5	0.8	1.6
6 x 50	35	45	8	15	0.8	1.6
6 x 100	45	55	8	55	1	1.6
8 x 50	45	55	10	5	1.4	3.2
8 x 75	65	75	10	10	2.1	3.4
8 x 85	65	75	10	20	2.1	1.6
8 x 100	65	75	10	35	2.1	3.4

ALLOWABLE LOADS - UNCRACKED CONCRETE - BLUE-TIP COUNTERSUNK ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - $d_0 \times L$ [mm]	h_{nom} [mm]		h_1 [mm]		d_f [mm]	t_{fix} [mm]		N_{all} [kN]		V_{all} [kN]	
	min	max	min	max		min h_{nom}	max h_{nom}	min	max	min	max
10 x 60	55		65		12	5		2.6		6.1	
10 x 75	55		65		12	20		2.6		6.1	
10 x 100	55	75	65	85	12	45	25	2.6	4.1	6.1	10.3
12 x 75	70		80		14	5		4.1		8.8	
12 x 100	70	85	80	95	14	30	15	4.1	5.4	8.8	17
12 x 150	70	85	80	95	14	80	65	4.1	5.4	8.8	17

ALLOWABLE LOADS - CRACKED CONCRETE - BLUE-TIP COUNTERSUNK ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - $d_0 \times L$ [mm]	h_{nom} [mm]		h_1 [mm]		d_f [mm]	t_{fix} [mm]		N_{all} [kN]		V_{all} [kN]	
	min	max	min	max		min h_{nom}	max h_{nom}	min	max	min	max
10 x 60	55		65		12	5		1.0		4.3	
10 x 75	55		65		12	20		1.0		4.3	
10 x 100	55	75	65	85	12	45	25	1.0	2.0	4.3	7.4
12 x 75	70		80		14	5		1.4		6.3	
12 x 100	70	85	80	95	14	30	15	1.4	1.7	6.3	17
12 x 150	70	85	80	95	14	80	65	1.4	1.7	6.3	17

HCC HOLLOW CORE CONCRETE ANCHORS

DESCRIPTION

- For high load applications
- Specially designed for installation into hollow core slabs
- Removable

APPLICATIONS

- Bracings
- Temporary supports

MATERIALS



See front cover foldout for details.

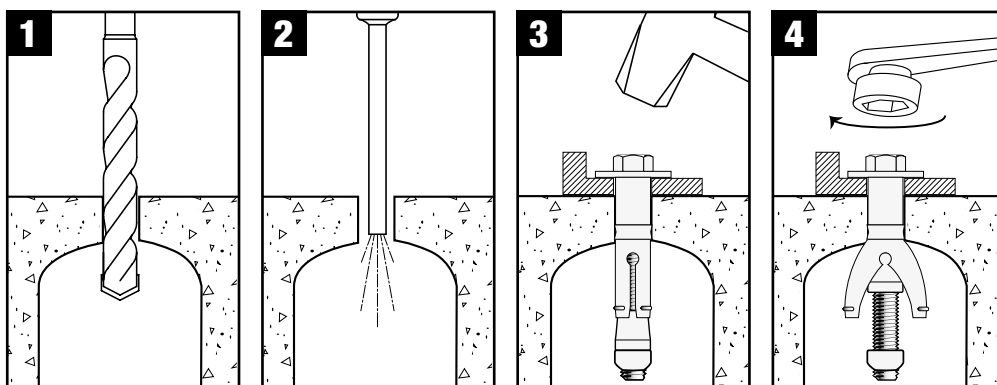
PRODUCT OVERVIEW

NEW

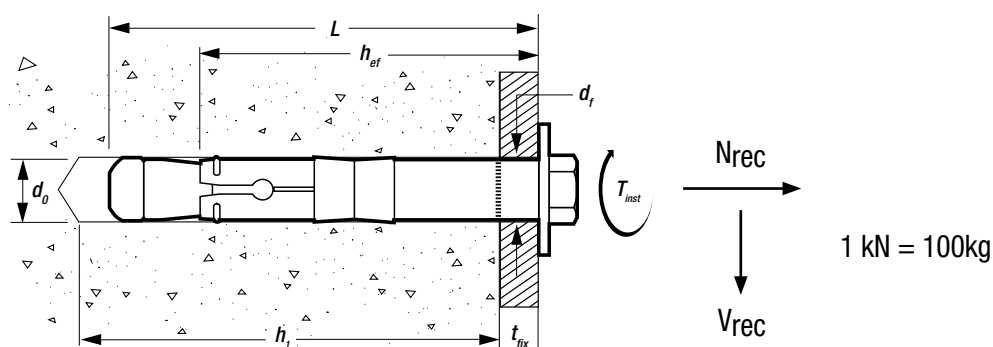


Cat No.								Pack Qty
DFM1240120		Drill Dia. [mm]	Thread Size [mm]	Length [mm]	Head Size [mm]	Box	Blister Pack	
DFM1240120			12 x M8 x 55		13	•		50
DFM1240150			15 x M10 x 74		17	•		25
DFM1240180			18 x M12 x 78		19	•		25

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - HOLLOW-CORE CONCRETE - HCC



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d ₀ x Thread x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	T _{inst} [Nm]	N _{rec} [kN]	V _{rec} [kN]
12 x M8 x 55	35	55	14	5	30	1.3	2.6
15 x M10 x 74	45	65	17	10	45	3.1	3.1
18 x M12 x 78	45	65	20	10	90	3.4	3.1

PB-PRO HEAVY DUTY ANCHOR

DESCRIPTION

- For immediate high strength loading in different base materials and high shear loads
- ETA option 1 with C1 approval for seismic load applications
- Heavy duty washer for optimal clamp down
- Plastic compression ring ensures perfect expansion
- High strength sleeve for extreme shear loads with tfix indicator

APPLICATIONS

All concrete applications where high strength loading or high sheer loads are expected:

- Gates
- Steel Plates
- Machines
- Steel constructions

MATERIALS



See front cover foldout for details.

APPROVALS

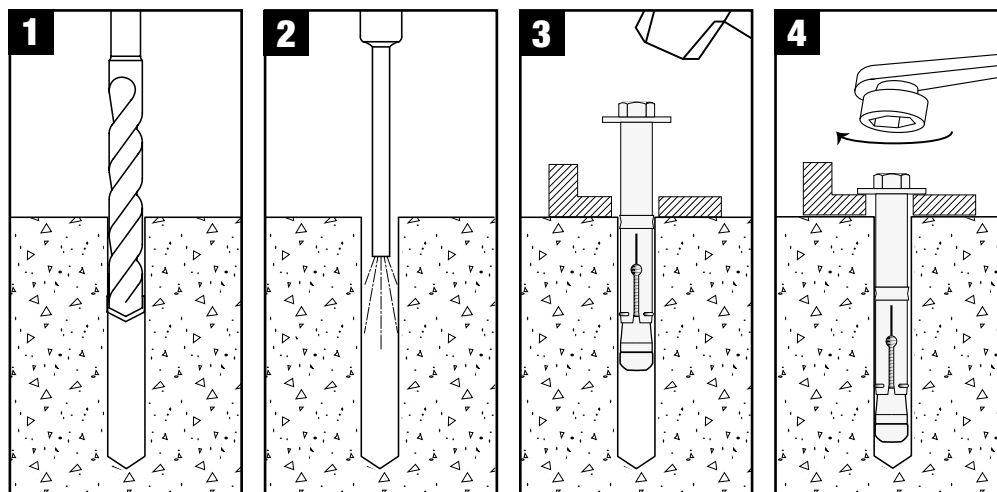


PRODUCT OVERVIEW - HEX HEAD ZINC PLATED

NEW

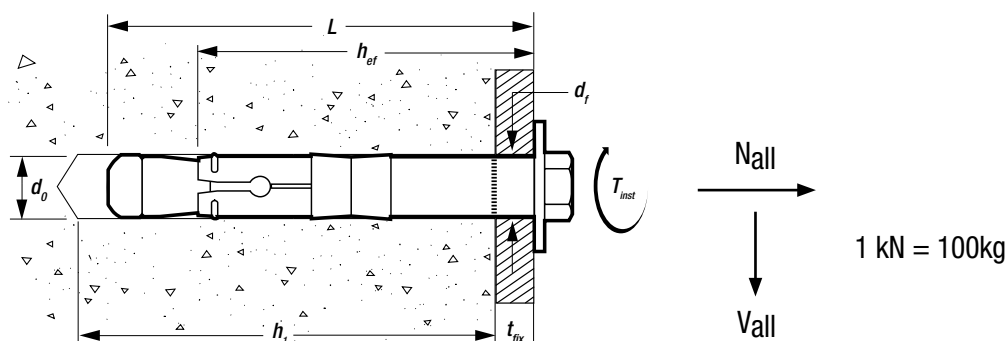

Cat No.		 Drill Dia. [mm]	 Diameter [mm]	 Length [mm]	 Head Size [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM1220000	•		12 x M8 x 84		13	10	•		50
DFM1220100	•		12 x M8 x 124		13	50	•		25
DFM1220150	•		15 x M10 x 95		17	5	•		25
DFM1220200	•		15 x M10 x 115		17	25	•		25
DFM1220400	•		18 x M12 x 106		19	5	•		10
DFM1220450	•		18 x M12 x 136		19	35	•		10
DFM1220650	•		24 x M16 x 148		24	20	•		5
DFM1220700	•		24 x M16 x 178		24	50	•		5

INSTALLATION INSTRUCTIONS



PB-PRO HEAVY DUTY ANCHOR

TECHNICAL INFORMATION



ALLOWABLE LOADS - UNCRACKED CONCRETE - PB-PRO HEX HEAD ZINC PLATED



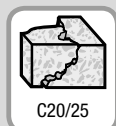
$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - d ₀ x Thread x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	T _{inst} [Nm]	N _{all} [kN]	V _{all} [kN]
12 x M8 x 84	60	80	14	10	30	5.7	18.7
12 x M8 x 124	60	80	14	50	30	5.7	18.7
15 x M10 x 95	70	95	17	5	45	11.9	28.1
15 x M10 x 115	70	95	17	25	45	11.9	28.1
18 x M12 x 106	80	110	20	5	90	14.3	34.3
18 x M12 x 136	80	110	20	35	90	14.3	34.3
24 x M16 x 148	100	135	26	20	130	16.7	48
24 x M16 x 178	100	135	26	50	130	16.7	48

ALLOWABLE LOADS - CRACKED CONCRETE - PB-PRO HEX HEAD ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - d ₀ x Thread x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	T _{inst} [Nm]	N _{all} [kN]	V _{all} [kN]
12 x M8 x 84	60	80	14	10	30	5.7	15.9
12 x M8 x 124	60	80	14	50	30	5.7	15.9
15 x M10 x 95	70	95	17	5	45	7.6	20.1
15 x M10 x 115	70	95	17	25	45	7.6	20.1
18 x M12 x 106	80	110	20	5	90	9.5	24.5
18 x M12 x 136	80	110	20	35	90	9.5	24.5
24 x M16 x 148	100	135	26	20	130	14.3	34.3
24 x M16 x 178	100	135	26	50	130	14.3	34.3

XLR[®]

SDS-max[®]
CARBIDE DRILL BITS
 FOR FAST INSTALLATION
 FROM 16-42 MM DIAMETER

XR FLEX VOLT[®]

DCH481
54V XR
FLEXVOLT
SDS-max[®]
HAMMER



See page 6 for more information



PTB-PRO HEAVY DUTY THROUGH BOLTS

CRACKED CONCRETE THROUGH BOLT APPROVED FOR FLEXIBLE EMBEDMENTS.

The PTB-PRO throughbolt is a fully threaded, torque controlled, wedge expansion anchor designed for consistent performance in cracked and uncracked concrete.

The anchor is easy to install and suitable for a variety of base materials with a nominal drill bit size the same as the anchor diameter. The wide range of available PTB-PRO anchor sizes also covers all common capacity demands with a superior load-displacement response that qualifies the PTB-PRO throughbolt for both standard and adverse loading conditions.

- ETA Option 1 approval for cracked and uncracked concrete*
- Approved for seismic load applications (M8-M16** C1 approved and M12* C2 approved)
- Two approved embedment depths (M12 and M16)*
- Long thread for flexibility in fixture thicknesses
- Special cone angle for quick installation
- Fire resistance*

* PTB-PRO zinc plated and stainless steel ** PTB-PRO zinc plated



ZINC PLATED



STAINLESS STEEL



HOT DIP GALVANISED

PTB-PRO HEAVY DUTY THROUGHBOLTS

APPLICATIONS

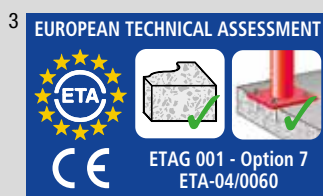
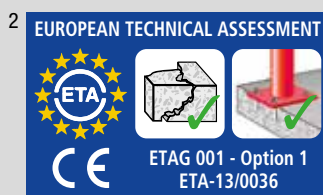
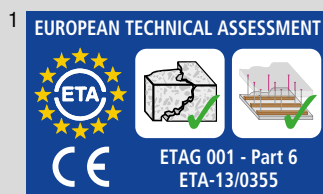
- Piping and heating supports
- Heating pumps
- Ventilation systems and air conditioning
- Safety barriers
- Fire escapes

MATERIALS



See front cover foldout for details.

APPROVALS



PRODUCT OVERVIEW - PTB-PRO ZINC PLATED



Cat No.	1	2	3	A	B	Thread Size [mm]	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1110010						M6 x 40		10	2	•		100
DFM1110000	•			•		M6 x 55		10	5	•		100
DFM111000P	•			•		M6 x 55		10	5		•	4
DFM1110020	•			•		M6 x 60		10	10	•		100
DFM1110040	•			•		M6 x 85		10	35	•		100
DFM111004P	•			•		M6 x 85		10	35		•	4
DFM1110050						M8 x 50		13	5	•		100
DFM1110060		•		•	•	M8 x 60		13	5	•		100
DFM111006P		•		•	•	M8 x 60		13	5		•	4
DFM1110080		•		•	•	M8 x 65		13	10	•		100
DFM1110100		•		•	•	M8 x 75		13	20	•		100
DFM111010P		•		•	•	M8 x 75		13	20		•	4
DFM1110120		•		•	•	M8 x 85		13	30	•		100
DFM1110140		•		•	•	M8 x 95		13	40	•		100
DFM111014P		•		•	•	M8 x 95		13	40		•	4
DFM1110160		•		•	•	M8 x 105		13	50	•		100
DFM1110180		•		•	•	M8 x 130		13	75	•		50
DFM1110200		•		•	•	M8 x 155		13	100	•		50
DFM1110220		•		•	•	M8 x 205		13	150	•		50
DFM1110230						M10 x 60		17	5	•		50
DFM111023P						M10 x 60		17	5		•	2
DFM1110260		•		•	•	M10 x 85		17	5	•		50
DFM1110280		•		•	•	M10 x 90		17	10	•		50
DFM1110320		•		•	•	M10 x 100		17	20	•		50
DFM111032P		•		•	•	M10 x 100		17	20		•	2
DFM1110340		•		•	•	M10 x 110		17	30	•		50
DFM1110360		•		•	•	M10 x 120		17	40	•		50
DFM1110400		•		•	•	M10 x 130		17	50	•		50
DFM111040P		•		•	•	M10 x 130		17	50		•	2
DFM1110440		•		•	•	M10 x 160		17	80	•		50
DFM1110460		•		•	•	M10 x 180		17	100	•		25
DFM1110480		•		•	•	M10 x 220		17	140	•		25
DFM1110520		•		•	•	M12 x 90		19	5	•		50
DFM111052P		•		•	•	M12 x 90		19	5		•	2
DFM1110540		•		•	•	M12 x 95		19	10	•		50
DFM1110560		•		•	•	M12 x 100		19	15	•		50
DFM1110580		•		•	•	M12 x 105		19	20	•		25
DFM111058P		•		•	•	M12 x 105		19	20		•	2
DFM1110600		•		•	•	M12 x 115		19	30	•		25
DFM1110620		•		•	•	M12 x 120		19	35	•		25
DFM1110640		•		•	•	M12 x 135		19	50	•		25
DFM111064P		•		•	•	M12 x 135		19	50		•	2
DFM1110660		•		•	•	M12 x 165		19	80	•		25
DFM1110680		•		•	•	M12 x 175		19	90	•		25
DFM1110700		•		•	•	M12 x 185		19	100	•		25
DFM1110720		•		•	•	M12 x 220		19	135	•		10
DFM1110740		•		•	•	M16 x 115		24	5	•		25
DFM1110760		•		•	•	M16 x 125		24	15	•		20
DFM1110780		•		•	•	M16 x 135		24	25	•		20
DFM1110800		•		•	•	M16 x 150		24	40	•		20
DFM1110810		•		•	•	M16 x 160		24	50	•		10
DFM1110830		•		•	•	M16 x 210		24	100	•		10
DFM1110870						M20 x 125		30	5	•		10
DFM1110880		•		•		M20 x 160		30	5	•		10
DFM1110900		•		•		M20 x 170		30	15	•		10
DFM1110920		•		•		M20 x 175		30	20	•		10
DFM1110940		•		•		M20 x 185		30	30	•		10
DFM1110960		•		•		M20 x 200		30	45	•		10
DFM1110980		•		•		M20 x 215		30	60	•		10
DFM1160020			•			M20 x 145		30	10	•		10

PTB-PRO HEAVY DUTY THROUGH BOLTS

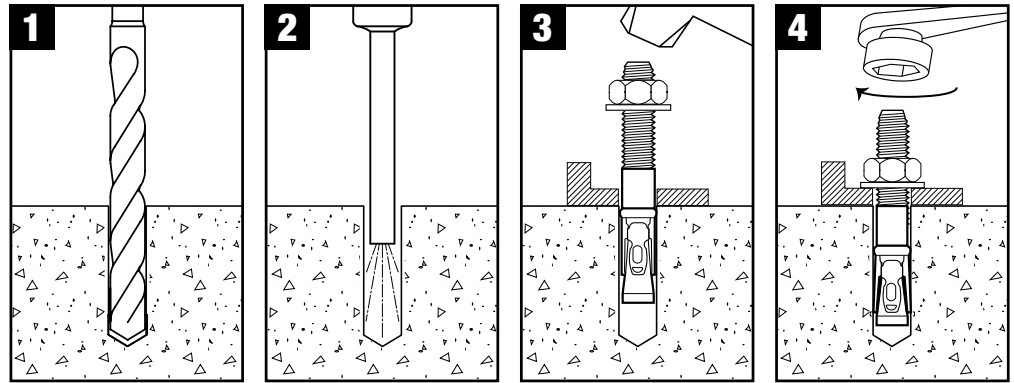
APPLICATIONS

- Piping and heating supports
- Heating pumps
- Ventilation systems and air conditioning
- Safety barriers
- Fire escapes

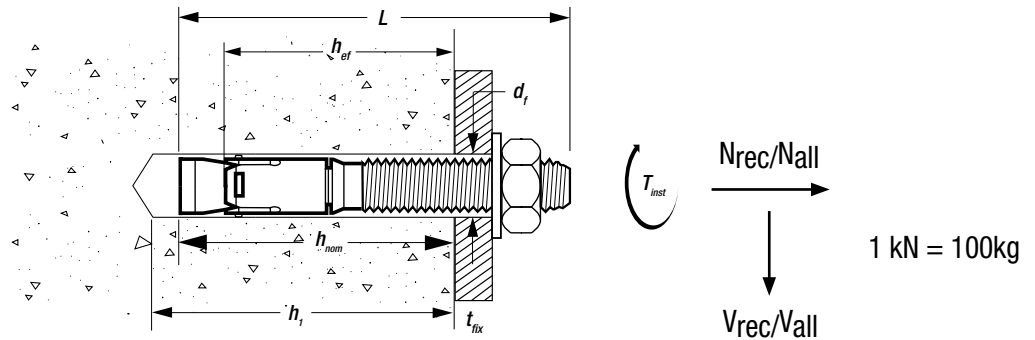
MATERIALS



INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - PTB-PRO ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Size - Thread x L [mm]	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]	T _{inst} [Nm]	N _{rec} [kN]		V _{rec} [kN]
	min	max	min	max				min	max	min & max
M6 x 40	25		35		7	2	10	0.8		0.8
M8 x 50	30		40		9	5	25	2.3		2.8
M10 x 60	35		50		12	5	45	3.4		3.5
M20 x 125	75		115		22	5	200	11.9		22.3

XLR

SDS-plus®
CARBIDE DRILL BITS
FOR FAST INSTALLATION
FROM 5-14 MM DIAMETER



XR FLEXVOLT

DCH334
54V XR
FLEXVOLT
SDS-plus®
HAMMER



See page 6 for more information

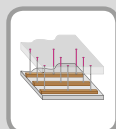
PTB-PRO HEAVY DUTY THROUGHBOLTS

ALLOWABLE LOADS - UNCRACKED CONCRETE - PTB-PRO ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_t = 1.4$



M6



M8-M20

Size - Thread x L [mm]	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]
	min	max	min	max		min h _{nom}	max h _{nom}		min	max	
M6 x 55	35		45		7	5		10	1.4		1.4
M6 x 60	35		45		7	10		10	1.4		1.4
M6 x 85	35		45		7	35		10	1.4		1.4
M8 x 60	40		55		9	5		25	3.6		5.7
M8 x 65	40		55		9	10		25	3.6		5.7
M8 x 75	40		55		9	20		25	3.6		5.7
M8 x 85	40		55		9	30		25	3.6		5.7
M8 x 95	40		55		9	40		25	3.6		5.7
M8 x 105	40		55		9	50		25	3.6		5.7
M8 x 130	40		55		9	75		25	3.6		5.7
M8 x 155	40		55		9	100		25	3.6		5.7
M8 x 205	40		55		9	150		25	3.6		5.7
M10 x 85	60		75		12	5		45	7.6		8.9
M10 x 90	60		75		12	10		45	7.6		8.9
M10 x 100	60		75		12	20		45	7.6		8.9
M10 x 110	60		75		12	30		45	7.6		8.9
M10 x 120	60		75		12	40		45	7.6		8.9
M10 x 130	60		75		12	50		45	7.6		8.9
M10 x 160	60		75		12	80		45	7.6		8.9
M10 x 180	60		75		12	100		45	7.6		8.9
M10 x 220	60		75		12	140		45	7.6		8.9
M12 x 90	60		75		14	5		70	11.2		12
M12 x 95	60		75		14	10		70	11.2		12
M12 x 100	60	80	75	95	14	15	1	70	11.2	14.3	12
M12 x 105	60	80	75	95	14	20	5	70	11.2	14.3	12
M12 x 115	60	80	75	95	14	30	10	70	11.2	14.3	12
M12 x 120	60	80	75	95	14	35	15	70	11.2	14.3	12
M12 x 135	60	80	75	95	14	50	30	70	11.2	14.3	12
M12 x 165	60	80	75	95	14	80	60	70	11.2	14.3	12
M12 x 175	60	80	75	95	14	90	70	70	11.2	14.3	12
M12 x 185	60	80	75	95	14	100	80	70	11.2	14.3	12
M12 x 220	60	80	75	95	14	135	115	70	11.2	14.3	12
M16 x 115	80		100		18	5		120	14.3		21.1
M16 x 125	80		100		18	15		120	14.3		21.1
M16 x 135	80	100	100	120	18	25	5	120	14.3	24	21.1
M16 x 150	80	100	100	120	18	40	20	120	14.3	24	21.1
M16 x 160	80	100	100	120	18	50	30	120	14.3	24	21.1
M16 x 210	80	100	100	120	18	100	80	120	14.3	24	21.1
M20 x 160	110		150		22	5		200	19.8		30.9
M20 x 170	110		150		22	15		200	19.8		30.9
M20 x 185	110		150		22	30		200	19.8		30.9
M20 x 200	110		150		22	45		200	19.8		30.9
M20 x 215	110		150		22	60		200	19.8		30.9
M20 x 145	100		135		22	20		180	24		32.5

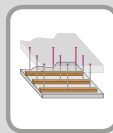
PTB-PRO HEAVY DUTY THROUGHBOLTS

ALLOWABLE LOADS - CRACKED CONCRETE - PTB-PRO ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_f = 1.4$



M6



M8-M20

Size - Thread x L [mm]	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]
	min	max	min	max		min h _{nom}	max h _{nom}		min	max	min & max
M6 x 55	35		45		7	5		10	1.4		1.4
M6 x 60	35		45		7	10		10	1.4		1.4
M6 x 85	35		45		7	35		10	1.4		1.4
M8 x 60	40		55		9	5		25	1.6		4.3
M8 x 65	40		55		9	10		25	1.6		4.3
M8 x 75	40		55		9	20		25	1.6		4.3
M8 x 85	40		55		9	30		25	1.6		4.3
M8 x 95	40		55		9	40		25	1.6		4.3
M8 x 105	40		55		9	50		25	1.6		4.3
M8 x 130	40		55		9	75		25	1.6		4.3
M8 x 155	40		55		9	100		25	1.6		4.3
M8 x 205	40		55		9	150		25	1.6		4.3
M10 x 85	60		75		12	5		45	3.6		8.9
M10 x 90	60		75		12	10		45	3.6		8.9
M10 x 100	60		75		12	20		45	3.6		8.9
M10 x 110	60		75		12	30		45	3.6		8.9
M10 x 120	60		75		12	40		45	3.6		8.9
M10 x 130	60		75		12	50		45	3.6		8.9
M10 x 160	60		75		12	80		45	3.6		8.9
M10 x 180	60		75		12	100		45	3.6		8.9
M10 x 220	60		75		12	140		45	3.6		8.9
M12 x 90	60		75		14	5		70	4.8		12
M12 x 95	60		75		14	10		70	4.8		12
M12 x 100	60		75		14	15		70	4.8		12
M12 x 105	60	80	75	95	14	20	5	70	4.8	4.8	12
M12 x 115	60	80	75	95	14	30	10	70	4.8	4.8	12
M12 x 120	60	80	75	95	14	35	15	70	4.8	4.8	12
M12 x 135	60	80	75	95	14	50	30	70	4.8	4.8	12
M12 x 165	60	80	75	95	14	80	60	70	4.8	4.8	12
M12 x 175	60	80	75	95	14	90	70	70	4.8	4.8	12
M12 x 185	60	80	75	95	14	100	80	70	4.8	4.8	12
M12 x 220	60	80	75	95	14	135	115	70	4.8	4.8	12
M16 x 115	80		100		18	5		120	9.9		21.1
M16 x 125	80		100		18	15		120	9.9		21.1
M16 x 135	80	100	100	120	18	25	5	120	9.9	9.9	21.1
M16 x 150	80	100	100	120	18	40	20	120	9.9	9.9	21.1
M16 x 160	80	100	100	120	18	50	30	120	9.9	9.9	21.1
M16 x 210	80	100	100	120	18	100	80	120	9.9	9.9	21.1
M20 x 160	110		150		22	5		200	7.9		30.9
M20 x 170	110		150		22	15		200	7.9		30.9
M20 x 185	110		150		22	30		200	7.9		30.9
M20 x 200	110		150		22	45		200	7.9		30.9
M20 x 215	110		150		22	60		200	7.9		30.9

PTB-PRO HEAVY DUTY THROUGHBOLTS

APPLICATIONS

- Steel constructions
- Safety barriers
- Ventilation systems and air conditioning
- Machines
- Fire escapes
- Gates
- Façades
- Approved for outside use

MATERIALS



See front cover foldout for details.

APPROVALS

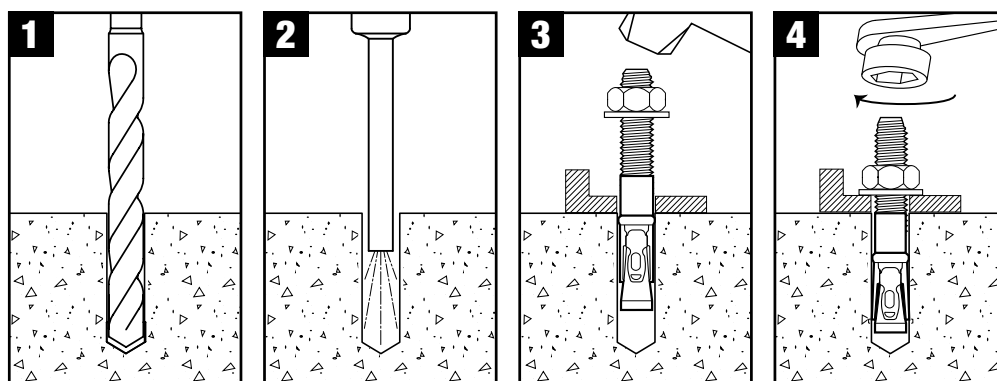


PRODUCT OVERVIEW - PTB-SS-ETA1-PRO A4 STAINLESS STEEL



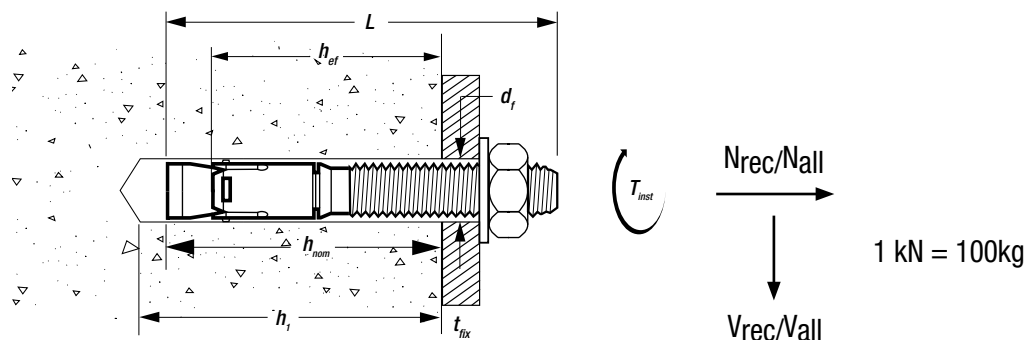
								
Cat No.		Thread Size [mm]	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1140000		M6 x 55		10	5	•		200
DFM1140020		M6 x 85		10	30	•		200
DFM1140050		M8 x 50		13	5	•		200
DFM1140190	•	M8 x 65		13	10	•		100
DFM1140200	•	M8 x 75		13	20	•		100
DFM1140220	•	M8 x 85		13	30	•		100
DFM1140250	•	M8 x 95		13	40	•		100
DFM1140270	•	M8 x 105		13	50	•		100
DFM1140300	•	M8 x 120		13	65	•		50
DFM1140310	•	M8 x 130		13	75	•		50
DFM1140350		M10 x 60		17	5	•		100
DFM1140360	•	M10 x 80		17	1	•		50
DFM1140400	•	M10 x 85		17	5	•		50
DFM1140430	•	M10 x 90		17	10	•		50
DFM1140450	•	M10 x 100		17	20	•		50
DFM1140480	•	M10 x 110		17	30	•		50
DFM1140500	•	M10 x 130		17	50	•		50
DFM1140530	•	M10 x 160		17	80	•		50
DFM1140550	•	M10 x 180		17	100	•		25
DFM1140600		M12 x 80		17	10	•		50
DFM1140700	•	M12 x 100		19	15	•		100
DFM1140750	•	M12 x 125		19	40	•		25
DFM1140800	•	M12 x 135		19	50	•		25
DFM1140850		M16 x 100		24	5	•		25
DFM1140870	•	M16 x 125		24	15	•		20
DFM1140900	•	M16 x 150		24	40	•		20
DFM1140930		M20 x 120		30	5	•		10
DFM1140950		M20 x 160		30	25	•		10

INSTALLATION INSTRUCTIONS



PTB-PRO HEAVY DUTY THROUGHBOLTS

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - PTB-PRO A4 STAINLESS STEEL



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_f = 1.4$

Size - Thread x L [mm]	h_{nom} [mm]	h_1 [mm]	d_f [mm]	t_{fix} [mm]	T_{inst} [Nm]	N_{rec} [kN]	V_{rec} [kN]
M6 x 55	35	55	7	5	5	0.6	1.3
M6 x 85	40	60	7	30	5	0.8	1.3
M8 x 50	30	45	9	5	25	2.3	3.9
M10 x 60	35	50	12	5	45	2.5	4.9
M12 x 80	40	55	14	10	70	3.9	6.1
M20 x 120	80	100	22	5	180	8	12.3
M20 x 160	100	110	22	25	180	12	17.1

ALLOWABLE LOADS - UNCRACKED CONCRETE - PTB-SS-ETA1-PRO A4 STAINLESS STEEL



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_f = 1.4$



Size - Thread x L [mm]	h_{ef} [mm]		h_1 [mm]		d_f [mm]	t_{fix} [mm]		T_{inst} [Nm]	N_{all} [kN]		V_{all} [kN]
	min	max	min	max		min h_{ef}	max h_{ef}		min	max	
M8 x 65	40		55		9	10		25	3.6		4.9
M8 x 75	40		55		9	20		25	3.6		4.9
M8 x 85	40		55		9	30		25	3.6		4.9
M8 x 95	40		55		9	40		25	3.6		4.9
M8 x 105	40		55		9	50		25	3.6		4.9
M8 x 120	40		55		9	65		25	3.6		4.9
M8 x 130	40		55		9	75		25	3.6		4.9
M10 x 80	60		75		12	1		45	5.7		8
M10 x 85	60		75		12	5		45	5.7		8
M10 x 90	60		75		12	10		45	5.7		8
M10 x 100	60		75		12	20		45	5.7		8
M10 x 110	60		75		12	30		45	5.7		8
M10 x 130	60		75		12	50		45	5.7		8
M10 x 160	60		75		12	80		45	5.7		8
M10 x 180	60		75		12	100		45	5.7		8
M12 x 100	60		75		14	15		70	7.1		11.6
M12 x 125	60	80	75	95	14	40	20	70	7.1	9.5	11.6
M12 x 135	60	80	75	95	14	50	30	70	7.1	9.5	11.6
M16 x 125	80		100		18	15		120	9.5		21.9
M16 x 150	80	100	100	120	18	40	20	120	9.5	14.3	21.9

PTB-PRO HEAVY DUTY THROUGHBOLTS



ALLOWABLE LOADS - CRACKED CONCRETE - PTB-SS-ETA1-PRO A4 STAINLESS STEEL



C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - Thread x L [mm]	h _{ef} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]
	min	max	min	max		min h _{ef}	max h _{ef}		min	max	min & max
M8 x 65	40		55		9	10		25	1.2		4.3
M8 x 75	40		55		9	20		25	1.2		4.3
M8 x 85	40		55		9	30		25	1.2		4.3
M8 x 95	40		55		9	40		25	1.2		4.3
M8 x 105	40		55		9	50		25	1.2		4.3
M8 x 120	40		55		9	65		25	1.2		4.3
M8 x 130	40		55		9	75		25	1.2		4.3
M10 x 80	60		75		12	1		45	3		8
M10 x 85	60		75		12	5		45	3		8
M10 x 90	60		75		12	10		45	3		8
M10 x 100	60		75		12	20		45	3		8
M10 x 110	60		75		12	30		45	3		8
M10 x 130	60		75		12	50		45	3		8
M10 x 160	60		75		12	80		45	3		8
M10 x 180	60		75		12	100		45	3		8
M12 x 100	60		75		14	15		70	4.8		11.6
M12 x 125	60	80	75	95	14	40	20	70	4.8	4.8	11.6
M12 x 135	60	80	75	95	14	50	30	70	4.8	4.8	11.6
M16 x 125	80		100		18	15		120	7.9		21.9
M16 x 150	80	100	100	120	18	40	20	120	7.9	7.9	21.9

PTB-PRO HEAVY DUTY THROUGHBOLTS

APPLICATIONS

- Piping and heating supports
- Heating pumps
- Ventilation systems and air conditioning
- Safety barriers
- Fire escapes
- Railings
- Suitable for applications where there is a demand for higher corrosion resistance

MATERIALS



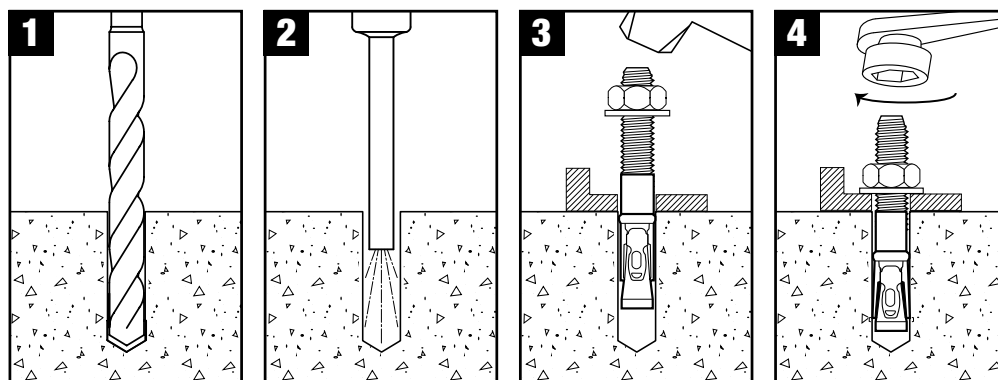
See front cover foldout for details.

PRODUCT OVERVIEW - PTB-G HOT DIPPED GALVANIZED



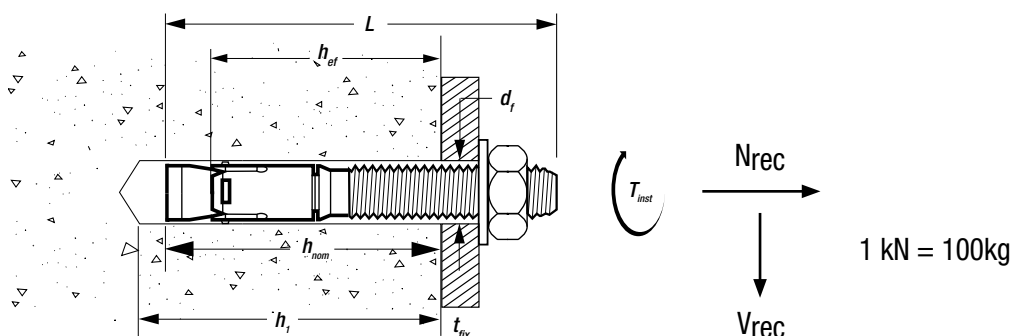
Cat No.	Thread Size [mm]	Length [mm]	Head Size [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1150050	M8 x 50	13	5	•			100
DFM115005P	M8 x 50	13	5			•	6
DFM1150080	M8 x 65	13	10	•			100
DFM1150120	M8 x 85	13	30	•			100
DFM115012P	M8 x 85	13	30			•	5
DFM1150160	M8 x 105	13	50	•			100
DFM115016P	M8 x 105	13	50			•	4
DFM1150230	M10 x 60	17	5	•			100
DFM115023P	M10 x 60	17	5			•	4
DFM1150280	M10 x 90	17	10	•			50
DFM115028P	M10 x 90	17	10			•	4
DFM1150320	M10 x 100	17	20	•			50
DFM1150360	M10 x 120	17	40	•			50
DFM115036P	M10 x 120	17	40			•	3
DFM1150440	M10 x 160	17	80	•			50
DFM115044P	M10 x 160	17	80			•	2
DFM1150250	M12 x 80	19	5	•			50
DFM115025P	M12 x 80	19	5			•	3
DFM1150580	M12 x 105	19	20	•			25
DFM115058P	M12 x 105	19	20			•	2
DFM1150620	M12 x 120	19	35	•			25
DFM115062P	M12 x 120	19	35			•	2
DFM1150640	M12 x 135	19	50	•			25
DFM1150660	M12 x 165	19	80	•			25
DFM115066P	M12 x 165	19	80			•	1
DFM1150680	M12 x 175	19	90	•			25
DFM1150730	M16 x 100	24	5	•			25
DFM1150780	M16 x 135	24	25	•			20
DFM1150810	M16 x 160	24	50	•			10
DFM1150830	M16 x 210	24	100	•			10
DFM1150860	M20 x 120	30	5	•			10
DFM1150850	M20 x 170	30	35	•			10

INSTALLATION INSTRUCTIONS



PTB-PRO HEAVY DUTY THROUGHBOLTS

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - PTB-G HOT DIPPED GALVANIZED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Thread x L [mm]	h _{ef} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		T _{inst} [Nm]	N _{rec} [kN]		V _{rec} [kN]
	min	max	min	max		min h _{ef}	max h _{ef}		min	max	min & max
M8 x 50	30		45		9	5		25	1.4		2.8
M8 x 65	40		55		9	10		25	2.1		3.0
M8 x 85	40		55		9	30		25	2.1		3.0
M8 x 105	40		55		9	50		25	2.1		3.0
M10 x 60	35		50		12	5		45	1.4		3.5
M10 x 90	60		75		12	10		45	3.1		5.6
M10 x 100	60		75		12	20		45	3.1		5.6
M10 x 120	60		75		12	40		45	3.1		5.6
M10 x 160	60		75		12	80		45	3.1		5.6
M12 x 80	35		50		14	5		70	2		3.5
M12 x 105	60	80	75	95	14	20	5	70	4.6	6.8	7.1
M12 x 120	60	80	75	95	14	35	25	70	4.6	6.8	7.1
M12 x 135	60	80	75	95	14	50	30	70	4.6	6.8	7.1
M12 x 165	60	80	75	95	14	80	60	70	4.6	6.8	7.1
M12 x 175	60	80	75	95	14	90	70	70	4.6	6.8	7.1
M16 x 100	45		65		18	15		120	3.9		5.1
M16 x 135	80	100	100	120	18	25	5	120	11.0	12.9	12.0
M16 x 160	80	100	100	120	18	50	30	120	11.0	12.9	12.0
M16 x 210	80	100	100	120	18	100	80	120	11.0	12.9	12.0
M20 x 120	75		110		22	5		180	7.9		15.4
M20 x 170	100		135		22	35		180	12.2		15.4

XLR[®]

SDS-plus[®]
CARBIDE DRILL BITS
 FOR FAST INSTALLATION
 FROM 5-14 MM DIAMETER



XR FLEX VOLT[®]

DCH334
54V XR
FLEXVOLT
SDS-plus[®]
HAMMER



See page 6 for more information

VTB UNIVERSAL THROUGHBOLTS

APPLICATIONS

- Cost-effective installation where higher loadings aren't required
- Suitable for a variety of base materials e.g limestone and red brick

MATERIALS



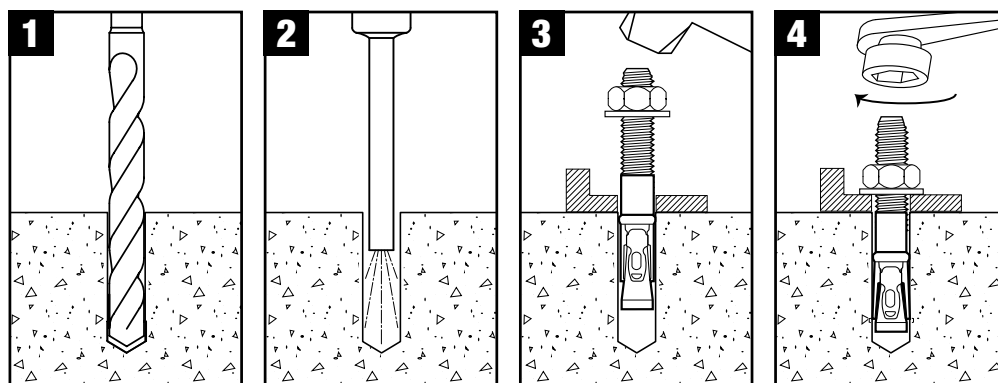
See front cover foldout for details.

PRODUCT OVERVIEW - VTB-CS ZINC PLATED



Cat No.	Thread Size [mm]	Length [mm]	Head Size [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1110030	M8 X 100	13	50	•			50
DFM111003P	M8 X 100	13	50		•		4
DFM1110090	M10 X 90	17	25	•			50
DFM111009P	M10 X 90	17	25		•		2
DFM1110110	M10 X 100	17	35	•			50
DFM111011P	M10 X 100	17	35		•		2
DFM1110130	M12 X 100	19	25	•			25
DFM111013P	M12 X 100	19	25		•		2
DFM1110150	M12 X 110	19	35	•			25
DFM1110170	M12 X 120	19	45	•			25
DFM111017P	M12 X 120	19	45		•		2
DFM1110190	M12 X 150	19	75	•			25
DFM111019P	M12 X 150	19	75		•		2
DFM1110210	M16 X 120	24	30	•			20
DFM1110240	M16 X 140	24	50	•			20

INSTALLATION INSTRUCTIONS



XLR

SDS-plus®
CARBIDE DRILL BITS
FOR FAST INSTALLATION
FROM 5-14 MM DIAMETER



XR FLEXVOLT

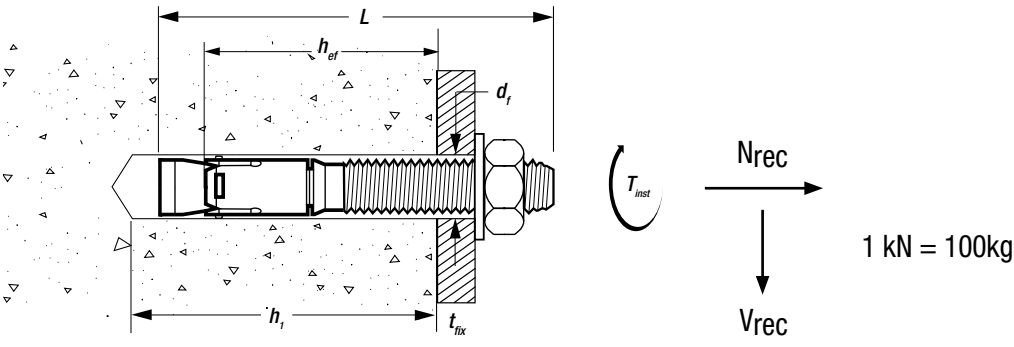
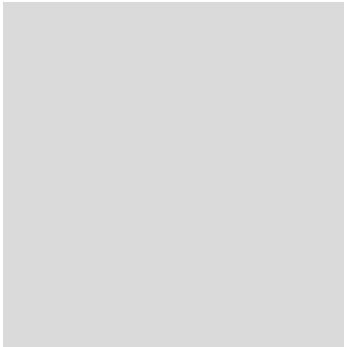
DCH334
54V XR FLEXVOLT
SDS-plus®
HAMMER



See page 6 for more information

VTB UNIVERSAL THROUGHBOLTS

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - VTB-CS ZINC PLATED



C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Thread x L [mm]	h _{ef} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		T _{inst} [Nm]	N _{rec} [kN]		V _{rec} [kN]
	min	max	min	max		min h _{ef}	max h _{ef}		min	max	
M8 x 100	30	40	50	60	9	50	40	15	2	3	3.8
M10 x 90	40	50	70	80	12	25	15	30	3.5	3.6	6.3
M10 x 100	40	50	70	80	12	35	25	30	3.5	3.6	6.3
M12 x 100	50	66	80	95	14	20	4	50	4.7	6.2	9.7
M12 x 110	50	66	80	95	14	30	14	50	4.7	6.2	9.7
M12 x 120	50	66	80	95	14	40	24	50	4.7	6.2	9.7
M12 x 150	50	66	80	95	14	70	54	50	4.7	6.2	9.7
M16 x 120	64	79	100	115	18	16	1	100	8.4	10	16
M16 x 140	64	79	100	115	18	36	21	100	8.4	10	16

FHS FIXED HEAD SLEEVE ANCHORS

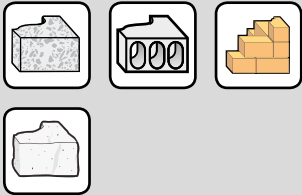
DESCRIPTION

- Light sleeve anchor for push-through installation
- 4.8 grade steel
- Available from 45-100mm length

APPLICATIONS

- Piping and heating supports
- Timber framing
- Heavy duty doors and security shutters

MATERIALS



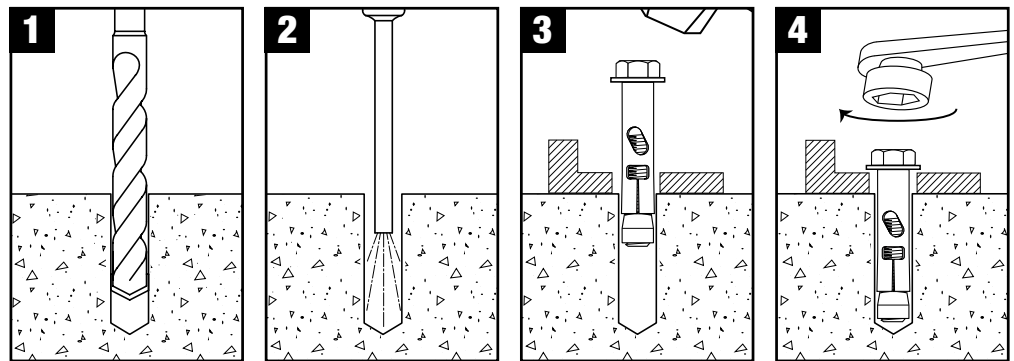
See front cover foldout for details.

PRODUCT OVERVIEW - FHS ZINC PLATED

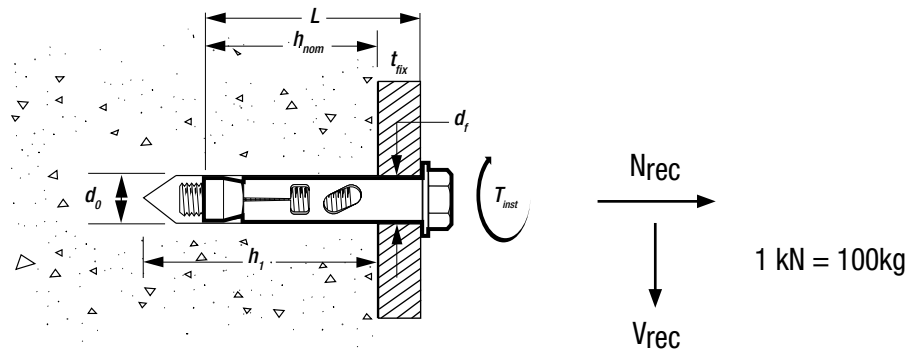


Cat No.	Drill Dia. [mm]	Length [mm]	Head Size [mm]	Thread Size [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM1210390	8 x 45	10	6	1	•			100
DFM121039P	8 x 45	10	6	1	•			4
DFM1210450	10 x 55	13	8	5	•			50
DFM121045P	10 x 55	13	8	5	•			2
DFM1210480	10 x 80	13	8	30	•			50
DFM1210510	10 x 100	13	8	50	•			25
DFM121051P	10 x 100	13	8	50	•			2
DFM1210540	12 x 65	16	10	5	•			25
DFM1210570	12 x 80	16	10	20	•			25

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - FHS ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_0 \times L$ [mm]	h_{nom} [mm]	h_1 [mm]	d_f [mm]	t_{fix} [mm]	T_{inst} [Nm]	N_{rec} [kN]	V_{rec} [kN]
8 x 45	35	50	10	1	6	1.6	1.5
10 x 55	40	60	12	5	11	3.0	3.0
10 x 80	40	60	12	30	11	3.0	3.0
10 x 100	40	60	12	50	11	3.0	3.0
12 x 65	50	70	14	5	22	3.7	3.7
12 x 80	50	70	14	20	22	3.7	3.7

TW TIE WIRE HANGERS

DESCRIPTION

- Medium duty anchor with eye

APPLICATIONS

- Suspended ceilings

MATERIALS



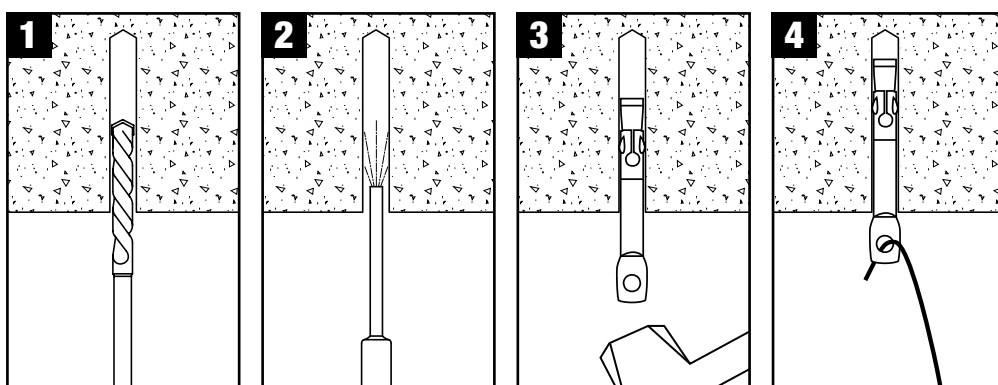
See front cover foldout for details.

PRODUCT OVERVIEW - TW ZINC PLATED

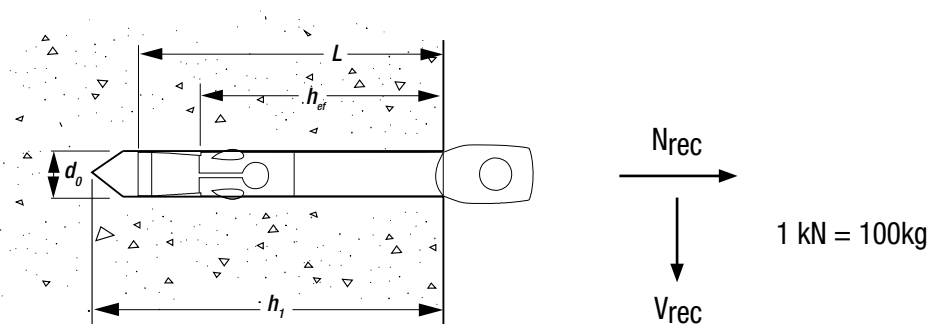


Cat No.	Drill Dia. [mm]	Length [mm]	Eye Diameter [mm]	Box	Blister Pack	Pack Qty
DFM1210600	6 x 55	6	6	•		100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - TW ZINC PLATED

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Size - $d_0 \times L$ [mm]	h_{ef} [mm]	h_1 [mm]	N_{rec} [kN]
6 x 55	25	40	0.4

SNAKE-PRO SELF-TAPPING ANCHORS

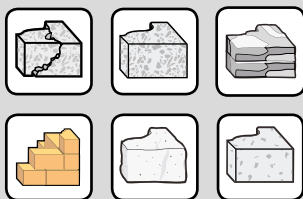
DESCRIPTION

- Patented (EP1455098B1), internal thread self-tapping anchor with ETA option 1 approval for cracked and uncracked concrete
- Approved for very small edge distances
- Complete grip over total anchor length
- Up to 6 times faster installation in comparison with drop-in anchors
- Each box comes with a drill bit and setting tool

APPLICATIONS

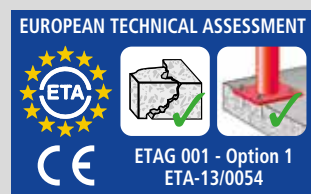
- Suspending conduit
- Cable trays
- Pipe supports
- Fire sprinklers
- Suspended lighting

MATERIALS



See front cover foldout for details.

APPROVALS



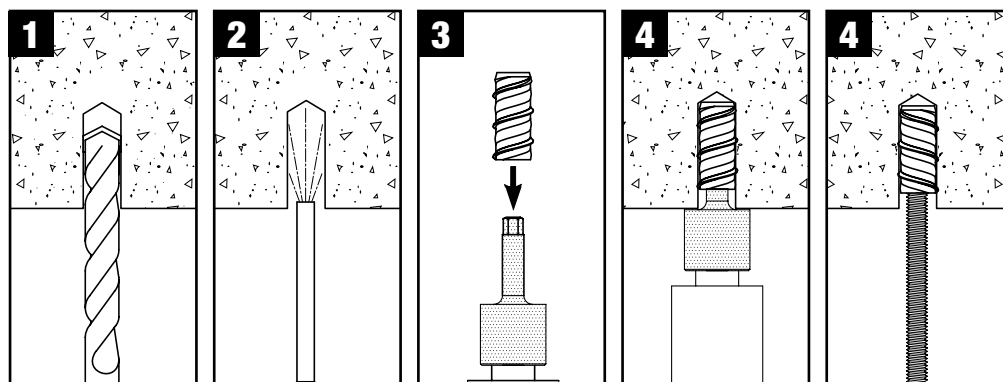
PRODUCT OVERVIEW - SNAKE-PRO ZINC PLATED



Cat No.		A	B	Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Box	Blister Pack	Pack Qty
DFM2310050*	•		•	M8 x 31		12.7	•		50
DFM2310000*	•	•	•	M10 x 31		12.7	•		50
DFM2310100*				M12 x 42		19.1	•		50

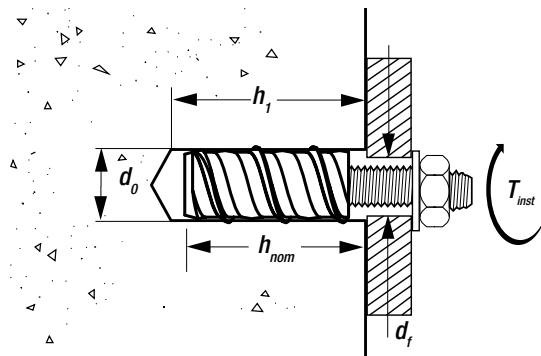
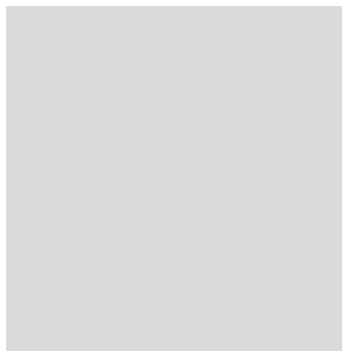
*Each box comes with a drill bit and setting tool

INSTALLATION INSTRUCTIONS



SNAKE-PRO SELF-TAPPING ANCHORS

TECHNICAL INFORMATION



$$\frac{N_{rec}/N_{all}}{V_{rec}/V_{all}}$$

1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - SNAKE-PRO ZINC PLATED



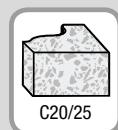
$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1$ $\gamma_F = 1.4$

Size - Thread x L (mm)	d ₀ [mm]	h _{nom} [mm]	h ₁ [mm]	T _{inst} [Nm]	N _{rec} [kN]	V _{rec} [kN]
M12 x 42	19.1	54	60	15	2.5	2.5



ALLOWABLE LOADS - UNCRACKED CONCRETE - SNAKE-PRO ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - Thread x L (mm)	d ₀ [mm]	h _{nom} [mm]	h ₁ [mm]	T _{inst} [Nm]	N _{all} [kN]	V _{all} [kN]
M8 x 31	12.7	41	50	10	2.0	2.4
M10 x 31	12.7	41	50	10	2.0	2.4



ALLOWABLE LOADS - CRACKED CONCRETE - SNAKE-PRO ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - Thread x L (mm)	d ₀ [mm]	h _{nom} [mm]	h ₁ [mm]	T _{inst} [Nm]	N _{all} [kN]	V _{all} [kN]
M8 x 31	12.7	41	50	10	1.2	1.4
M10 x 31	12.7	41	50	10	1.2	1.4

DM-PRO® DROP-IN ANCHORS

DESCRIPTION

- Zinc plated internally threaded expansion anchor
- Easy to install anchor with ETA Option 7 approval for uncracked concrete and part 6 approval for cracked concrete
- Fire resistance approval*
- DM-PRO® (version without lip) is designed for invisible coverage with mortar after use

APPLICATIONS

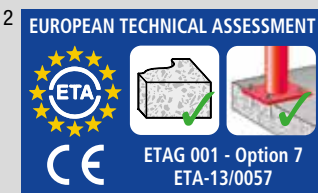
- Electrical fittings and conduit
- Ventilation
- Air conditioning systems
- Suspended ceilings
- Seating
- Barriers and rails

MATERIALS



See front cover foldout for details.

APPROVALS



*M8 - M12 only

PRODUCT OVERVIEW - DM-LIP-PRO ZINC PLATED



Cat No.	ETA		Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Box	Blister Pack	Pack Qty
	1	2						
DFM2110000	•		M6 x 25		8	•		100
DFM211010S	•	•	M8 x 30		10	•		50
DFM2110100	•	•	M8 x 30		10	•		100
DFM211015S	•	•	M10 x 40		12	•		50
DFM2110150	•	•	M10 x 40		12	•		100
DFM211020S	•	•	M12 x 50		16	•		50
DFM2110200	•	•	M12 x 50		16	•		100
DFM2110300		•	M16 x 65		20	•		25
DFM2110250			M20 x 80		25	•		25

PRODUCT OVERVIEW - DM-PRO® ZINC PLATED



Cat No.	ETA		Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Box	Blister Pack	Pack Qty
	1	2						
DFM2110500	•		M6 x 25		8	•		100
DFM211055S	•	•	M8 x 30		10	•		50
DFM2110550	•	•	M8 x 30		10	•		100
DFM211060S	•	•	M10 x 40		12	•		50
DFM2110600	•	•	M10 x 40		12	•		100
DFM211065S	•	•	M12 x 50		16	•		50
DFM2110650	•	•	M12 x 50		16	•		100
DFM2110700		•	M16 x 65		20	•		25
DFM2110750			M20 x 80		25	•		25

DM-PRO® DROP-IN ANCHORS

DESCRIPTION

- Internally threaded expansion anchor
- Easy to install anchor with ETA Option 7 approval for uncracked concrete and part 6 approval for cracked concrete (zinc plated and stainless steel only)
- Fire resistance approval*
- Approved for applications where there is a demand for higher corrosion resistance

APPLICATIONS

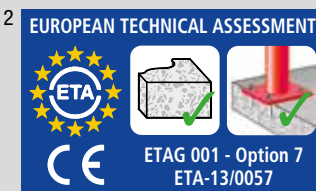
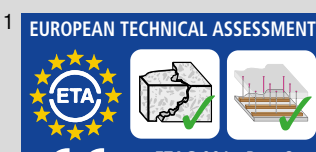
- Electrical fittings and conduit
- Ventilation
- Air conditioning systems
- Suspended ceilings
- Seating
- Barriers and rails

MATERIALS



See front cover foldout for details.

APPROVALS



*M8 - M12 only

PRODUCT OVERVIEW - DM-SS-PRO A4 STAINLESS STEEL



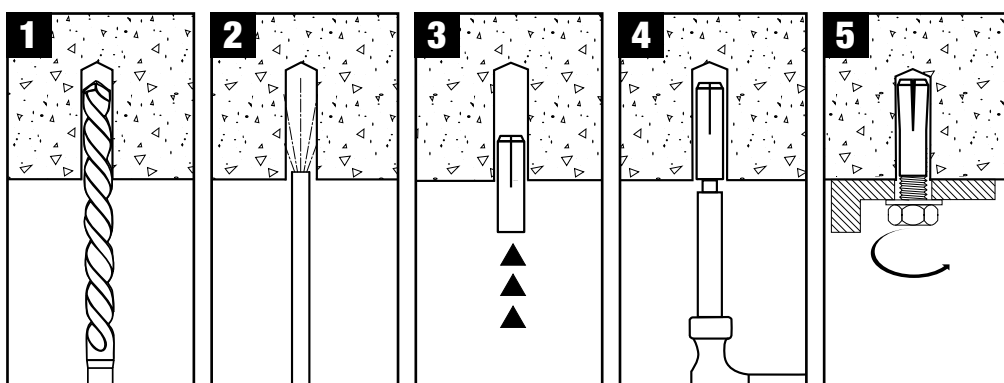
Cat No.	1	2	Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Box	Blister Pack	Pack Qty
DFM2120000	•		M6 x 25		8	•		100
DFM2120050	•	•	M8 x 30		10	•		100
DFM2120100	•	•	M10 x 40		12	•		100
DFM2120150	•	•	M12 x 50		16	•		100
DFM2120200		•	M16 x 65		20	•		25
DFM2120250			M20 x 80		25	•		25

PRODUCT OVERVIEW - SETTING TOOLS



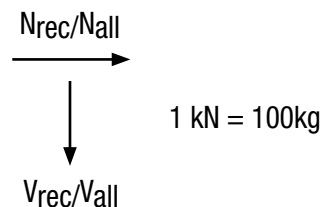
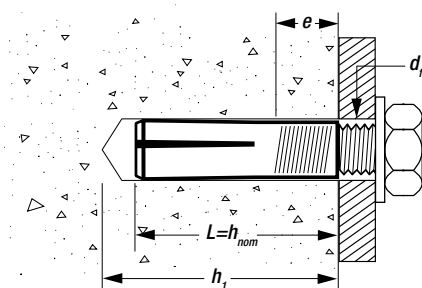
Cat No.	Anchor Size [mm]	Box	Blister Pack	Pack Qty
DFM2100010	M6	•		1
DFM2100060	M8	•		1
DFM2100110	M10	•		1
DFM2100160	M12	•		1
DFM2100210	M16	•		1
DFM2100260	M20	•		1

INSTALLATION INSTRUCTIONS



DM-PRO® DROP-IN ANCHORS

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - DM-PRO®



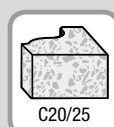
$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Thread x L [mm]	d _f [mm]	h ₁ [mm]	e [mm]	N _{rec} [kN]	V _{rec} [kN]
DM-LIP-PRO - ZINC PLATED					
M20 x 80	22	85	32	10.2	17.8
DM-PRO® - ZINC PLATED					
M20 x 80	22	85	32	10.2	17.8
DM-SS-PRO - A4 - STAINLESS STEEL					
M20 x 80	22	85	32	10.2	17.8



ALLOWABLE LOADS - UNCRACKED CONCRETE - DM-PRO®



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



Size - Thread x L [mm]	d _f [mm]	h ₁ [mm]	e [mm]	N _{all} [kN]	V _{all} [kN]
DM-LIP-PRO - ZINC PLATED					
M8 x 30	9	32	13	3.9	3.1
M10 x 40	12	42	17	3.6	4.2
M12 x 50	14	53	22	4.1	5.7
M16 x 65	18	68	30	4.1	11.4
DM-PRO® - ZINC PLATED					
M8 x 30	9	32	13	3.9	3.1
M10 x 40	12	42	17	3.6	4.2
M12 x 50	14	53	22	4.1	5.7
M16 x 65	18	68	30	4.1	11.4
DM-SS-PRO - A4 - STAINLESS STEEL					
M8 x 30	9	32	13	3.9	3.5
M10 x 40	12	42	17	3.6	4.5
M12 x 50	14	53	22	4.1	5.7
M16 x 65	18	68	30	4.1	11.4

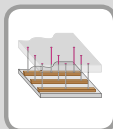
DM-PRO® DROP-IN ANCHORS

ALLOWABLE LOADS - CRACKED CONCRETE - DM-PRO®



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_f = 1.4$



Size - Thread x L [mm]	d _f [mm]	h ₁ [mm]	e [mm]	N _{all} [kN]	V _{all} [kN]
DM-LIP-PRO - ZINC PLATED					
M6 x 25	7	26	11	0.6	0.6
M8 x 30	9	32	13	0.6	0.6
M10 x 40	12	42	17	1.4	1.4
M12 x 50	14	53	22	1.7	1.7
DM-PRO® - ZINC PLATED					
M6 x 25	7	26	11	0.6	0.6
M8 x 30	9	32	13	0.6	0.6
M10 x 40	12	42	17	1.4	1.4
M12 x 50	14	53	22	1.7	1.7
DM-SS-PRO - A4 - STAINLESS STEEL					
M6 x 25	7	26	11	0.6	0.6
M8 x 30	9	32	13	0.6	0.6
M10 x 40	12	42	17	1.4	1.4
M12 x 50	14	53	22	1.7	1.7

XLR®

SDS-max®
CARBIDE DRILL BITS
FOR FAST INSTALLATION
FROM 16-42 MM DIAMETER



XR FLEXVOLT®

DCH481
54V XR
FLEXVOLT
SDS-max®
HAMMER



See page 6 for more information

SPIKE™ MUSHROOM HEAD

DESCRIPTION

- One-piece, tamper-proof vibration resistant anchor in 8.2 grade steel with mushroom head
- Pre-expanded anchor design allows for easy installation

APPLICATIONS

- Railings
- Lattice work
- Street furniture
- Metal track attachments
- Cable trays and struts

MATERIALS



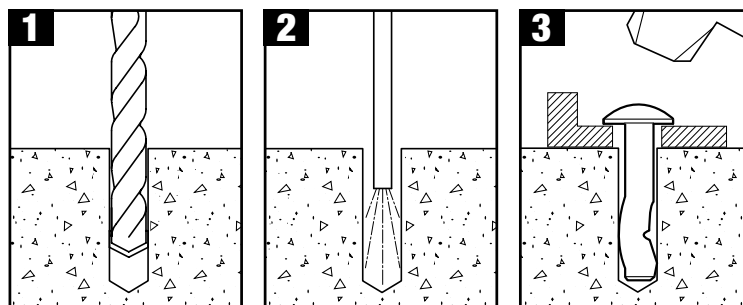
See front cover foldout for details.

PRODUCT OVERVIEW - SPIKE™ ZINC PLATED AND STAINLESS STEEL



Cat No.	Drill Dia. [mm]	Length [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
ZINC PLATED						
DFM3110240	5 x 32	10	•			100
DFM3110280	5 x 38	16	•			100
DFM3110320	5 x 50	28	•			100
DFM3110440	6.5 x 50	28	•			100
DFM3110520	6.5 x 75	53	•			100
STAINLESS STEEL						
DFM3110760	5 x 38	16	•			100
DFM3110800	6.5 x 50	28	•			100
DFM3110840	6.5 x 75	53	•			100

INSTALLATION INSTRUCTIONS



EXTREME®

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR MAXIMUM DURABILITY WITH AN ANTI-SLIP SHANK

2x LONG LIFE



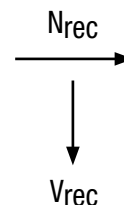
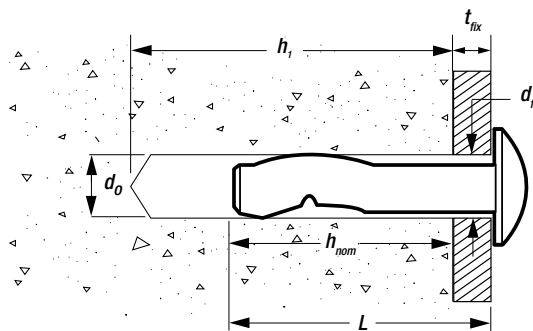
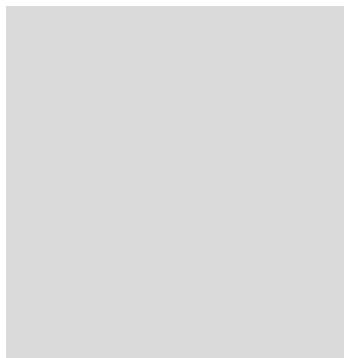
DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information

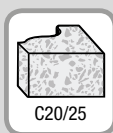
SPIKE™ MUSHROOM HEAD

TECHNICAL INFORMATION



1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - SPIKE™ ZINC PLATED AND STAINLESS STEEL



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d ₀ x L [mm]	h _{nom} [mm]	t _{fix} [mm]	h ₁ [mm]	d _f [mm]	N _{rec} [kN]	V _{rec} [kN]
ZINC PLATED						
5 x 32	22	10	32	6	0.5	0.5
5 x 38	22	16	32	6	0.5	0.5
5 x 50	22	28	32	6	0.5	0.5
6.5 x 50	22	28	32	7	0.5	0.5
6.5 x 75	22	53	32	7	0.5	0.5
STAINLESS STEEL						
5 x 38	22	16	32	6	0.5	0.5
6.5 x 50	22	28	32	7	0.5	0.5
6.5 x 75	22	53	32	7	0.5	0.5

SPIKE™ TIE WIRE

MECHANICAL ANCHORS

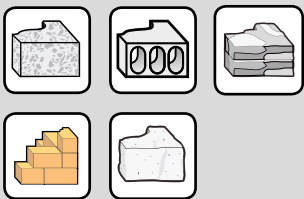
DESCRIPTION

- One-piece, vibration resistant anchor in 8.2 grade steel with eye
- Pre-expanded anchor design allows for easy installation

APPLICATIONS

- Suspended ceilings
- Wire hangers

MATERIALS



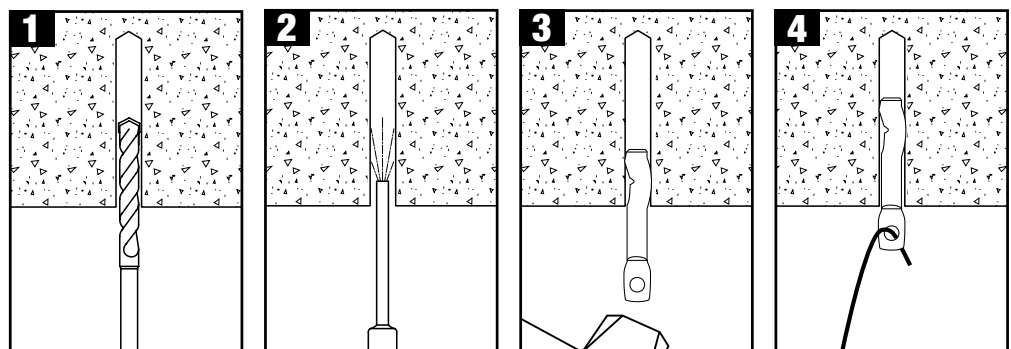
See front cover foldout for details.

PRODUCT OVERVIEW - SPIKE™ ZINC PLATED

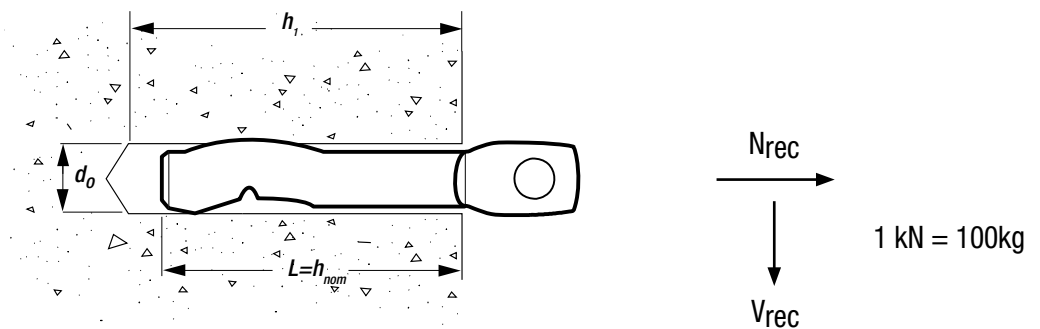


Cat No.	Drill Dia. [mm]	Length [mm]	Eye Diameter [mm]	Box	Blister Pack	Pack Qty
DFM3110000	5	30	6	•		100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - SPIKE™ ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_0 \times L$ [mm]	h_{nom} [mm]	h_1 [mm]	N_{rec} [kN]
5 x 30	30	40	0.4

FORMING SPIKE™

DESCRIPTION

- One-piece vibration resistant zinc anchor
- Pre-expanded anchor design allows for easy installation
- Easily removable with claw hammer

APPLICATIONS

- Temporary structures
- Removable fastening for concrete

MATERIALS



See front cover foldout for details.

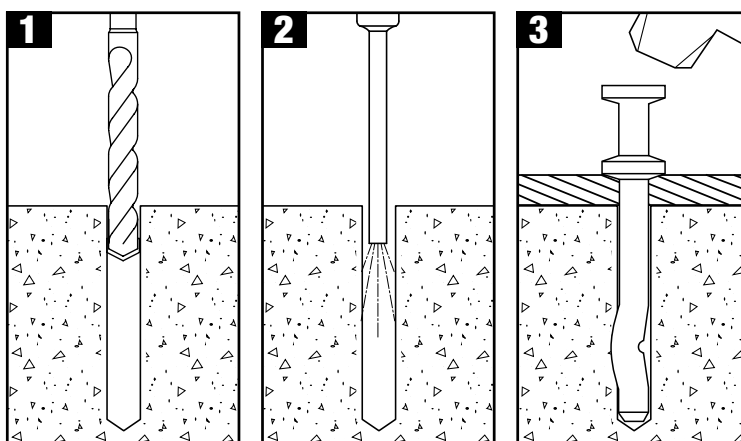
PRODUCT OVERVIEW - FORMING SPIKE™ ZINC PLATED

NEW

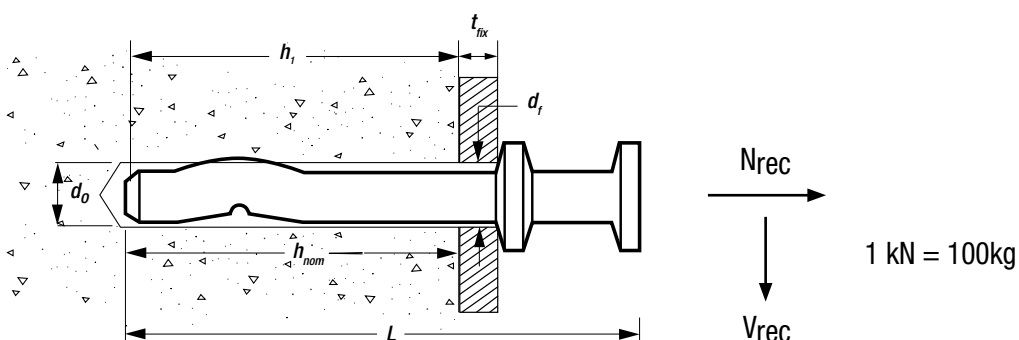


Cat No.	Drill Dia. [mm]	Length [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3110120	5 x 50	28	•			100
DFM3110160	5 x 70	48	•			100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - FORMING SPIKE™ ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_0 \times L$ [mm]	h_{nom} [mm]	t_{fix} [mm]	h_1 [mm]	d_f [mm]	N_{rec} [kN]	V_{rec} [kN]
5 x 50	22	28	32	6	0.4	1.7
5 x 70	22	48	32	6	0.4	1.7

PBZ STEEL WEDGE NAILS

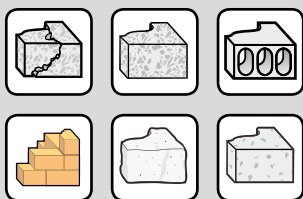
DESCRIPTION

- Steel wedge nail with ETA part 6 approval for redundant systems
- Fire resistance approved
- Hammer set anchor for push through installation

APPLICATIONS

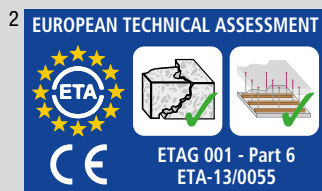
- Metal profiles
- Suspended ceiling brackets
- Angle brackets

MATERIALS



See front cover foldout for details.

APPROVALS



PRODUCT OVERVIEW - BSC-PBZ-PRO



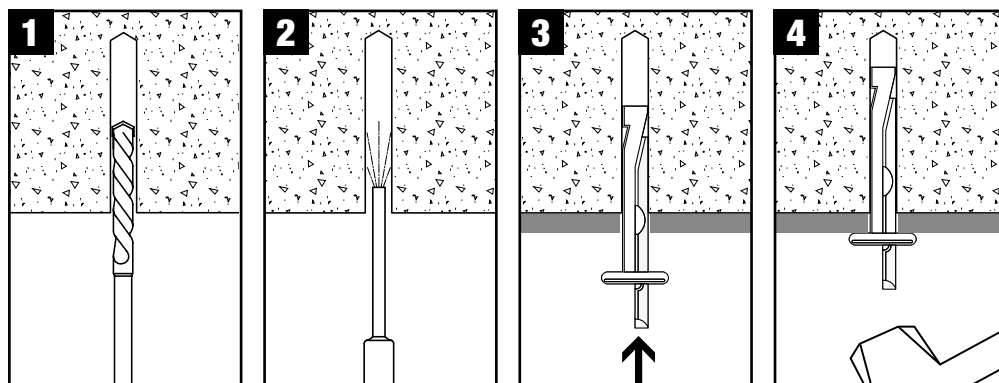
Cat No.		Drill Dia. [mm]	Length [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3310000	•	6 x 35	5	•	•		200
DFM3310050	•	6 x 65	35	•	•		100

PRODUCT OVERVIEW - PBZ-PRO



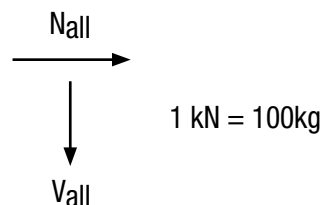
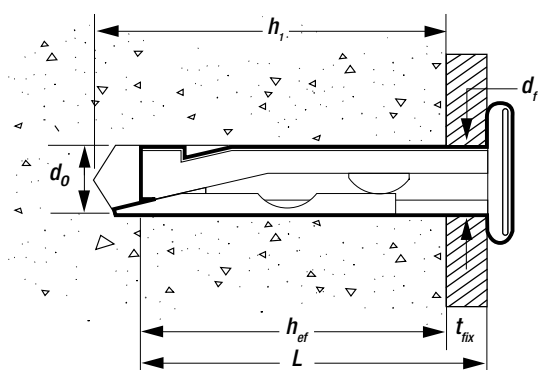
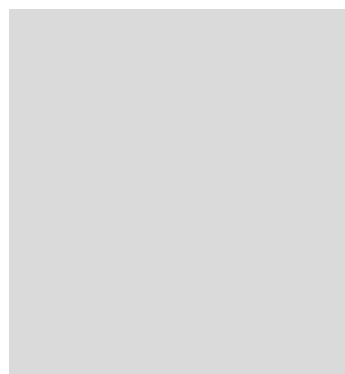
Cat No.		Drill Dia. [mm]	Length [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3310100	•	6 x 35	5	•	•		100
DFM3310150	•	6 x 65	35	•	•		100

INSTALLATION INSTRUCTIONS



PBZ STEEL WEDGE NAILS

TECHNICAL INFORMATION



ALLOWABLE LOADS - CRACKED CONCRETE - BSC-PBZ-PRO

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$$\gamma_t = 1.4$$

C20/25

Size - d ₀ x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{all} & V _{all} [kN]
6 x 35	30	40	7	5	1.4
6 x 65	30	40	7	35	1.4

ALLOWABLE LOADS - CRACKED CONCRETE - PBZ-PRO

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$$\gamma_t = 1.4$$

C20/25

Size - d ₀ x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{all} & V _{all} [kN]
6 x 35	30	40	7	5	1.4
6 x 65	30	40	7	35	1.4

EXTREME®

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR MAXIMUM DURABILITY WITH AN ANTI-SLIP SHANK

2x LONG LIFE



DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information

AERATED CONCRETE ANCHORS

DESCRIPTION

- Removeable tension-free fastening for lightweight block
- Spiral thread cuts a positive fit into the block with no spalling of the plastered surface
- The interrupted thread ensures removal of waste material for easier installation
- Simple and quick to install with allen keys
- Flexible screw choice - suitable for both wood and metric screws
- Approved for use in Thermalite™, Celcon™, Thomas Armstrong®, and Lignacite™ blocks (UK only)

APPLICATIONS

- Pictures
- Shelves
- Letter boxes
- Motion sensors
- Lighting
- Mirror cabinets
- Signs
- Cable and pipe clamps

MATERIALS



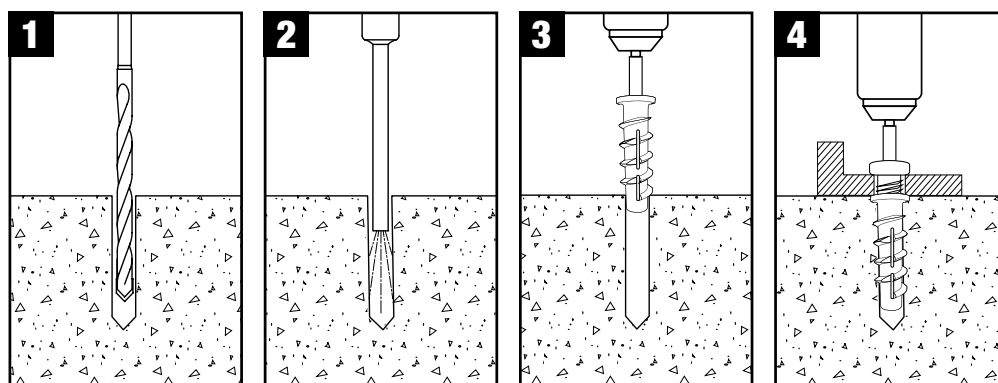
See front cover foldout for details.

PRODUCT OVERVIEW

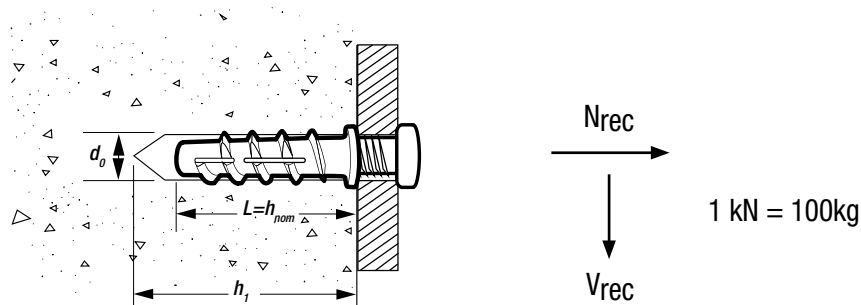


Cat No.	Thread Size [mm]	Screw Dia. [mm]	Drill Dia. [mm]	Length [mm]	Allen Key [mm]	Box	Blister Pack	Pack Qty
DFM3450100		M6 x 5-6 x 10		50	6	•		50
DFM345010P		M6 x 5-6 x 10		50	6		•	4
DFM3450200		M8 x 8 x 12		60	8	•		50
DFM345020P		M8 x 8 x 12		60	8		•	4
DFM3450300		M10 x 8-10 x 14		70	10	•		40
DFM345030P		M10 x 8-10 x 14		70	10		•	4

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - AERATED CONCRETE ANCHOR



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Size - Thread x Screw dia x d ₀ [mm]	h ₁ [mm]	h _{nom} [mm]	N _{rec} & V _{rec} [kN]
M6 x 5-6 x 10	60	50	0.2
M8 x 8 x 12	70	60	0.3
M10 x 8-10 x 14	80	70	0.4

MECHANICAL ANCHORS MASONRY



EXPRESS NAIL CEILING FIXINGS

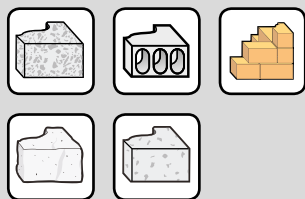
DESCRIPTION

- Express nail with eye for light applications in concrete and masonry
- The nail sleeve is hammered in and expands its entire length in the hole

APPLICATIONS

- Lightweight suspended ceilings
- Wire hangers

MATERIALS



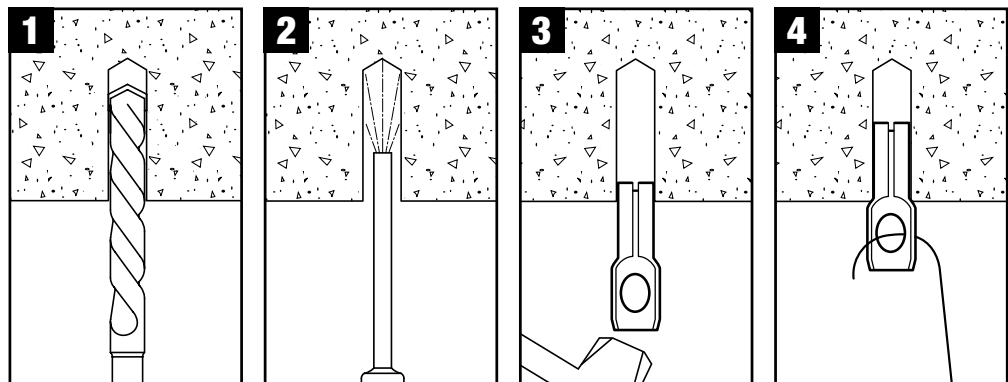
See front cover foldout for details.

PRODUCT OVERVIEW - ENC ZINC PLATED

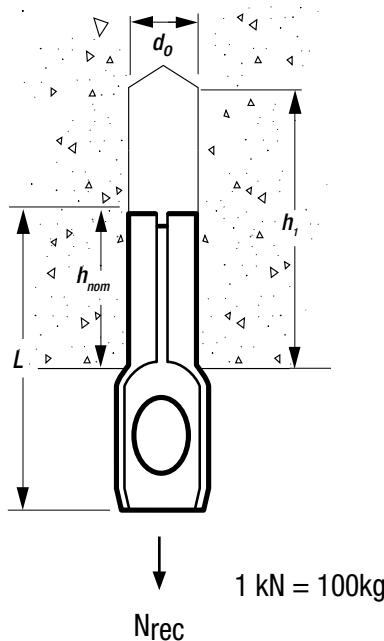


Cat No.	Drill Dia. [mm]	Length [mm]	Eye Diameter [mm]	Box	Blister Pack	Pack Qty
DFM3130500	8	42	5	•		100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - ENC ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_0 \times L$ [mm]	h_{nom} [mm]	h_1 [mm]	N_{rec} [kN]
8 x 42	18	30	0.2

EXPRESS NAIL FIXINGS

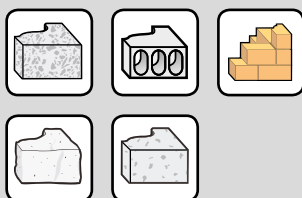
DESCRIPTION

- Express nail for light applications in concrete and masonry
- The nail sleeve is hammered in and expands its entire length in the hole
- The collar holds the item to be attached

APPLICATIONS

- Temporary building site fixings
- Sole plates

MATERIALS



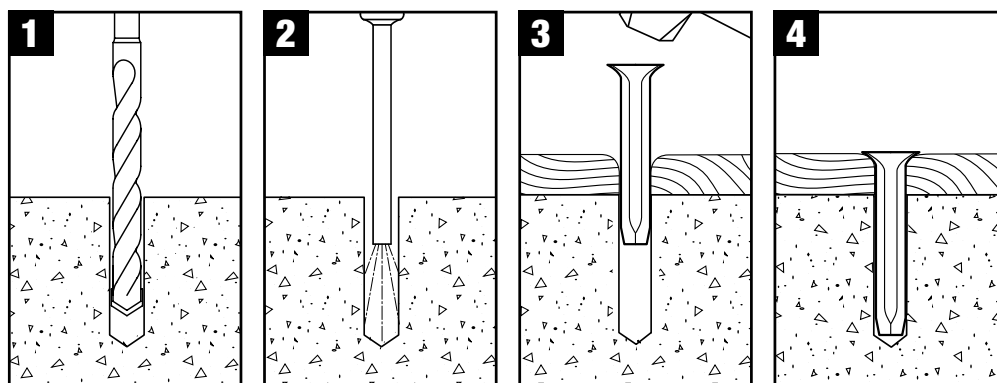
See front cover foldout for details.

PRODUCT OVERVIEW - EN ZINC PLATED



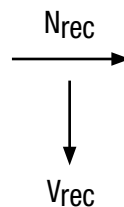
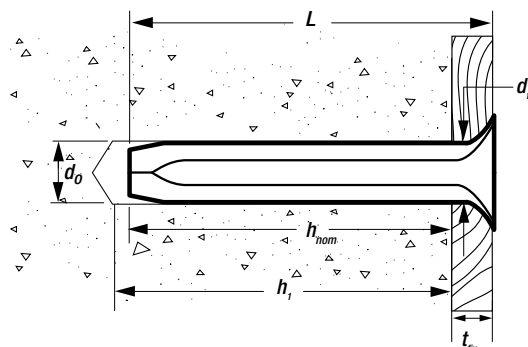
Cat No.	 Drill Dia. [mm]	 Length [mm]	 Head Size [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM3130000	6 x 30		12	1	•		200
DFM3130050	6 x 40		12	10	•		200
DFM3130100	6 x 50		12	20	•		200
DFM3130150	6 x 60		12	30	•		200
DFM313015P	6 x 60		12	30		•	8
DFM3130200	6 x 80		12	50	•		100
DFM313020P	6 x 80		12	50		•	8
DFM3130250	8 x 70		14	30	•		100
DFM313025P	8 x 70		14	30		•	8
DFM3130300	8 x 90		14	50	•		100
DFM313030P	8 x 90		14	50		•	8
DFM3130350	8 x 110		14	70	•		50
DFM313035P	8 x 110		14	70		•	4
DFM3130400	8 x 130		14	90	•		50
DFM313040P	8 x 130		14	90		•	4
DFM3130450	8 x 150		14	110	•		100

INSTALLATION INSTRUCTIONS



EXPRESS NAIL FIXINGS

TECHNICAL INFORMATION



1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - EN ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - $d_o \times L$ [mm]	h_{nom} [mm]	h_1 [mm]	d_f [mm]	t_{fix} [mm]	N_{rec} [kN]
6 x 30	29	35	6	1	0.3
6 x 40	30	40	6	10	0.3
6 x 50	30	40	6	20	0.3
6 x 60	30	40	6	30	0.3
6 x 80	30	40	6	50	0.3
8 x 70	40	50	8	30	0.5
8 x 90	40	50	8	50	0.5
8 x 110	40	50	8	70	0.5
8 x 130	40	50	8	90	0.5
8 x 150	40	50	8	110	0.5

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ZNI ZINC ALLOY NAIL-IN ANCHORS

DESCRIPTION

- Tamper-proof nail drive anchor
- Body formed from Zamac alloy

APPLICATIONS

- For use in concrete, block, brick or stone

MATERIALS



See front cover foldout for details.

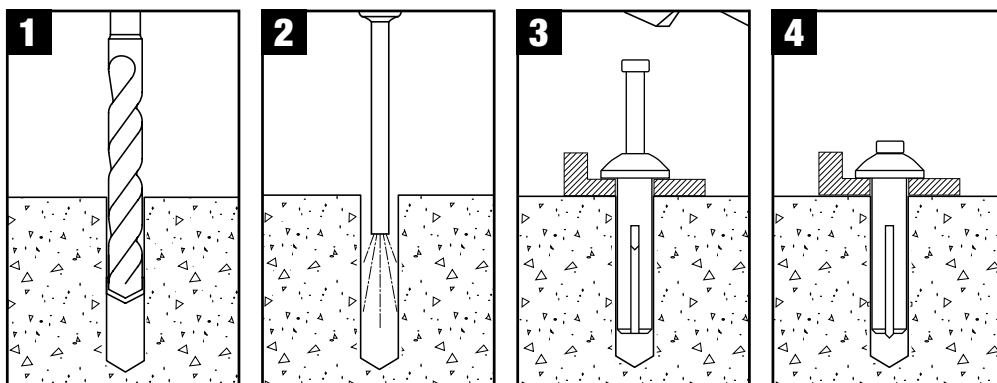
PRODUCT OVERVIEW



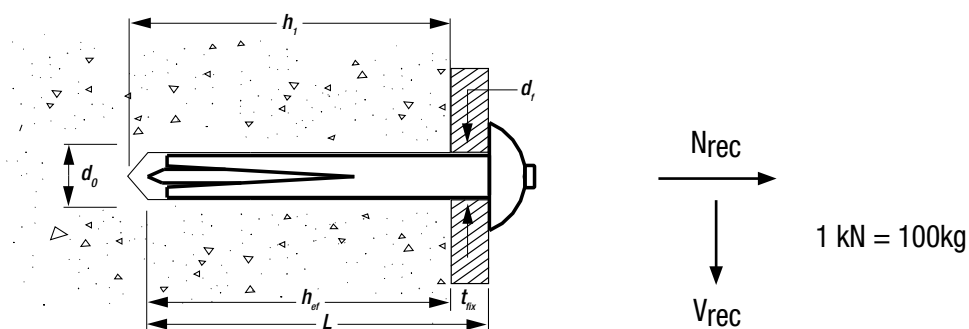
NEW

Cat No.	Drill Dia. [mm]	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3200030	6	30	14	8	•		100
DFM3220000	6	40	14	18	•		100
DFM3200050	6	50	14	28	•		100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - ZNI

C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Size - d ₀ x L [mm]	h _{ef} [mm]	h ₁ [mm]	d _f [mm]	t _{fix} [mm]	N _{rec} [kN]
6 x 30	22	30	7	8	0.5
6 x 40	22	30	7	18	0.5
6 x 50	22	30	7	28	0.5

NYLON HAMMER SCREWS

DESCRIPTION

- Nylon hammer screw
- Easy to install through part to be fixed
- Expands by hammering, removed by screwing

APPLICATIONS

- Thermal insulation supports
- Trunking
- Conduit clips
- Skirting boards
- Metal brackets and frames

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - NHS NYLON HAMMER SCREW

NEW

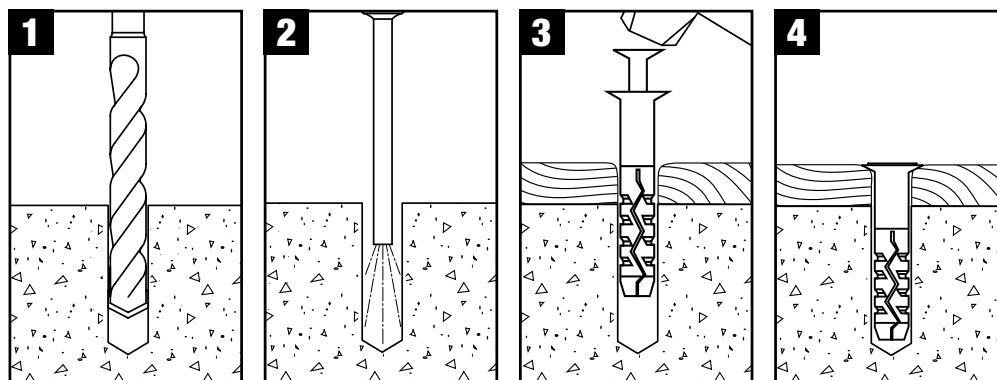

Cat No.	 Drill Dia. [mm]	 Length [mm]	 Max t_{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM3211000	6 x 40		15	•		100
DFM321000P	6 x 40		15		•	15
DFM3211050	6 x 60		35	•		100
DFM321005P	6 x 60		35		•	15
DFM321105S	6 x 60		35	•		50
DFM321006P	6 x 80		55		•	15
DFM321106S	6 x 80		55	•		50
DFM321007P	8 x 60		20		•	10
DFM321107S	8 x 60		20	•		50
DFM3211100	8 x 80		40	•		80
DFM321010P	8 x 80		40		•	10
DFM321110S	8 x 80		40	•		50
DFM3211150	8 x 100		60	•		80
DFM321015P	8 x 100		60		•	10
DFM321115S	8 x 100		60	•		50
DFM321018P	8 x 120		80		•	10
DFM321118S	8 x 120		80	•		50

PRODUCT OVERVIEW - NHSF NYLON COLLARED HAMMER SCREW



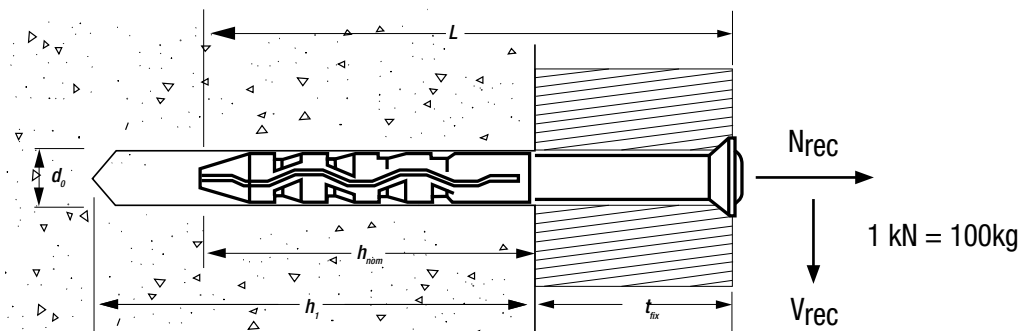
Cat No.	 Drill Dia. [mm]	 Length [mm]	 Max t_{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM3210200	6 x 40		15	•		100

INSTALLATION INSTRUCTIONS

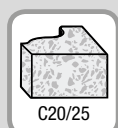


NYLON HAMMER SCREWS

TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - NHS

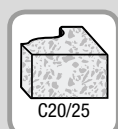


$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d ₀ x L [mm]	h _{nom} [mm]	t _{fix} [mm]	h ₁ [mm]	N _{rec} & V _{rec} [kN]
6 x 40	25	15	35	0.2
6 x 60	25	35	35	0.2
6 x 80	25	55	35	0.2
8 x 60	40	20	50	0.4
8 x 80	40	40	50	0.4
8 x 100	40	60	50	0.4
8 x 120	40	80	50	0.4

RECOMMENDED LOADS - UNCRACKED CONCRETE - NHSF



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d ₀ x L [mm]	h _{nom} [mm]	t _{fix} [mm]	h ₁ [mm]	N _{rec} & V _{rec} [kN]
6 x 40	25	15	35	0.05

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MFA METAL FRAME ANCHORS

DESCRIPTION

- Metal frame expansion anchor
- By turning the screw the cone is drawn into the sleeve and the fixing is expanded

PRODUCT OVERVIEW - MFA

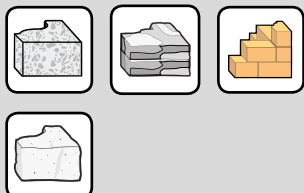


						
Cat No.	Drill Dia. [mm]	Length [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3510000	10 x 72		42	•		50
DFM3510050	10 x 92		62	•		50
DFM3510100	10 x 112		82	•		50
DFM3510150	10 x 132		102	•		25

APPLICATIONS

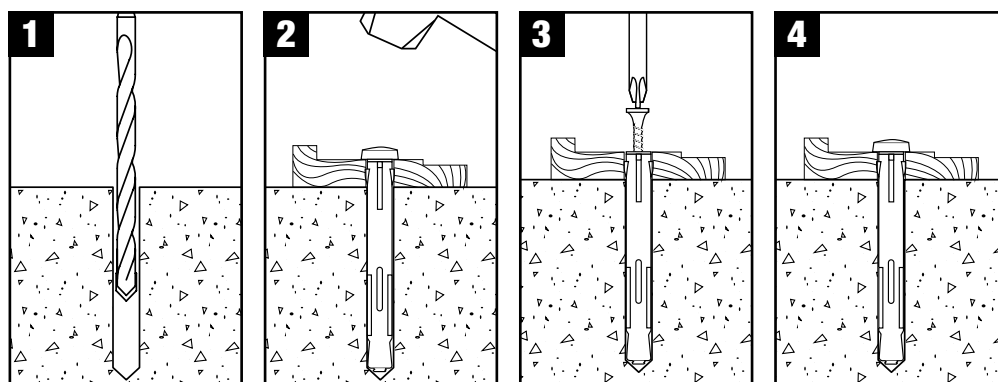
- Wood, plastic or aluminium door frames and window frames

MATERIALS

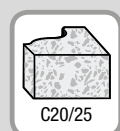


See front cover foldout for details.

INSTALLATION INSTRUCTIONS



RECOMMENDED LOADS - UNCRACKED CONCRETE - MFA



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size	h_{nom} [mm]	h_1 [mm]	t_{fix} [mm]	N_{rec} [kN]
10 x 72	30	50	42	1.3
10 x 92	30	50	62	1.3
10 x 112	30	50	82	1.3
10 x 132	30	50	102	1.3

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WINDOW SCREWS

DESCRIPTION

- Window screw with cylindrical head for wooden frames
- Zinc plated with T25 fitment recess and self-tapping thread
- Expansion free fastening without plugs
- Only requires 6mm drill diameter (6.5mm in extra hard brick or concrete)

APPLICATIONS

- Wooden window frames

MATERIALS



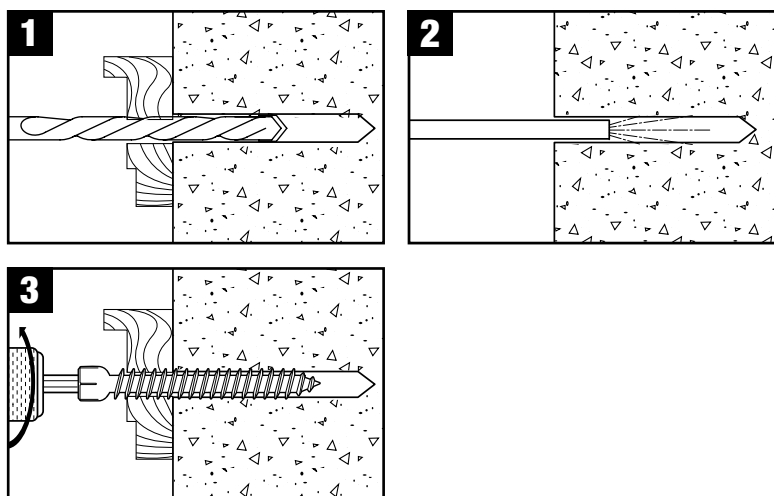
See front cover foldout for details.

PRODUCT OVERVIEW - PSZ FOR WOODEN FRAMES



Cat No.	Drill Dia. [mm]	Thread Size [mm]	Length [mm]	Fitment [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3520350		6 x 7.5 x 72		T25	42	•		100
DFM352035P		6 x 7.5 x 72		T25	42		•	6
DFM3520400		6 x 7.5 x 92		T25	62	•		100
DFM352040P		6 x 7.5 x 92		T25	62		•	6
DFM3520450		6 x 7.5 x 112		T25	82	•		50
DFM352045P		6 x 7.5 x 112		T25	82		•	6
DFM3520500		6 x 7.5 x 132		T25	102	•		50
DFM352050P		6 x 7.5 x 132		T25	102		•	6
DFM3520550		6 x 7.5 x 152		T25	122	•		50
DFM352055P		6 x 7.5 x 152		T25	122		•	6
DFM3520650		6 x 7.5 x 182		T25	152	•		50
DFM352065P		6 x 7.5 x 182		T25	152		•	6

INSTALLATION INSTRUCTIONS



WINDOW SCREW CAPS

Cat No.	Description	Box Quantity	Blister Pack	Pack Qty
DFM3510700	For PSZ screws (cream)	•		100
DFM3510650	For PSZ screws (white)	•		100

WINDOW SCREWS

DESCRIPTION

- Window screw with flat head for metal and plastic frames
- Zinc plated with a T30 fitment recess and self-tapping thread
- Expansion force free fastening without plugs
- Only requires 6mm drill diameter (6.5mm in extra hard brick or concrete)

APPLICATIONS

- Plastic window frames

MATERIALS



See front cover foldout for details.

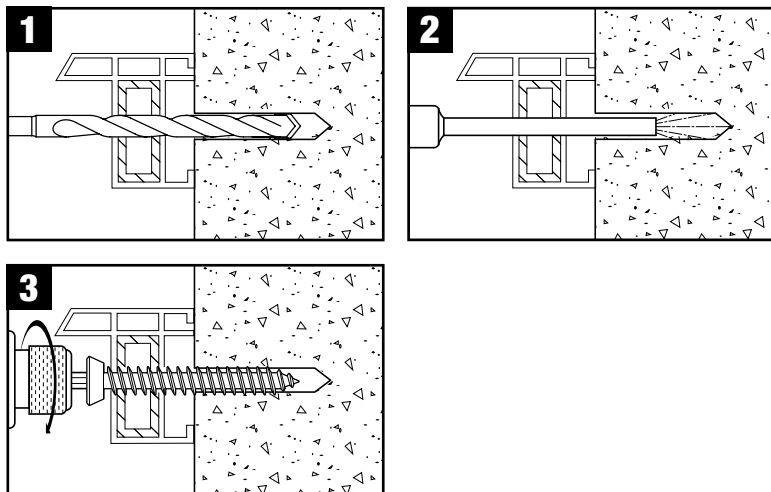
PRODUCT OVERVIEW - PS FOR PLASTIC FRAMES



Cat No.	Drill Dia. [mm]	Thread Size [mm]	Length [mm]	Fitment [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3510250		6 - 6.5* x 7.5 x 72		T30	42	•		100
DFM351025P		6 - 6.5* x 7.5 x 72		T30	42		•	6
DFM3510300		6 - 6.5* x 7.5 x 92		T30	62	•		100
DFM351030P		6 - 6.5* x 7.5 x 92		T30	62		•	6
DFM3510350		6 - 6.5* x 7.5 x 112		T30	82	•		50
DFM351035P		6 - 6.5* x 7.5 x 112		T30	82		•	6
DFM3510400		6 - 6.5* x 7.5 x 132		T30	102	•		50
DFM351040P		6 - 6.5* x 7.5 x 132		T30	102		•	6
DFM3510450		6 - 6.5* x 7.5 x 152		T30	122	•		50
DFM351045P		6 - 6.5* x 7.5 x 152		T30	122		•	6
DFM3510500		6 - 6.5* x 7.5 x 182		T30	122	•		50
DFM351050P		6 - 6.5* x 7.5 x 182		T30	122		•	6

* 6.5mm drill required for extra hard brick or concrete

INSTALLATION INSTRUCTIONS



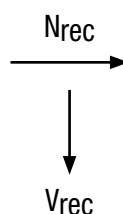
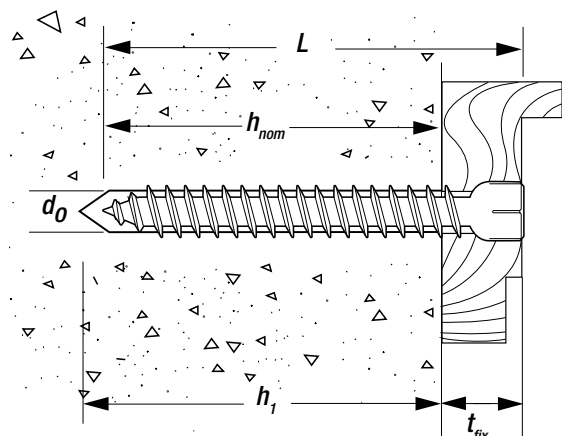
WINDOW SCREW CAPS



Cat No.	Description	Box Quantity	Blister Pack	Pack Qty
DFM3510550	For PS screws (white)	•		100

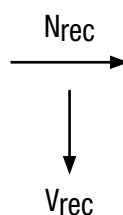
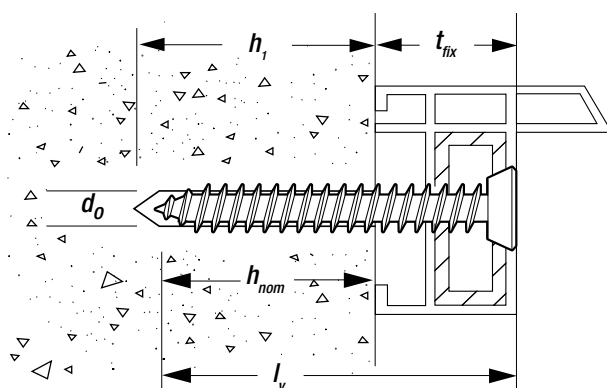
WINDOW SCREWS

TECHNICAL INFORMATION - PSZ FOR WOODEN FRAMES



1 kN = 100kg

TECHNICAL INFORMATION - PS FOR PLASTIC FRAMES



1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - PSZ AND PS



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - d ₀ x Thread x L [mm]	h _{nom} [mm]	h ₁ [mm]	t _{fix} [mm]	N _{rec} [kN]	V _{rec} [kN]
6 x 7.5 x 72	30	40	42	0.6	0.6
6 x 7.5 x 92	30	40	62	0.6	0.6
6 x 7.5 x 112	30	40	82	0.6	0.6
6 x 7.5 x 132	30	40	102	0.6	0.6
6 x 7.5 x 152	30	40	122	0.6	0.6
6 x 7.5 x 182	30	40	152	0.6	0.6

EXTREME® **IMPACT TORSION**

DT70523T

32PC SCREWDRIVING SET WITH MAGNETIC BIT TIP HOLDER



DCD991
18V XR LI-ION
BRUSHLESS
PREMIUM
DRILL DRIVER



Visit www.DeWALT.com for more information

NP NYLON PLUGS

DESCRIPTION

- Nylon expansion fixing
- Anti rotation barbs resists spinning in the hole
- Heavily ribbed design improves pull out strength
- Suitable for wood and chipboard screws

APPLICATIONS

General light duty fittings including:

- Pictures
- Skirting
- Curtain rails
- Motion sensors

MATERIALS



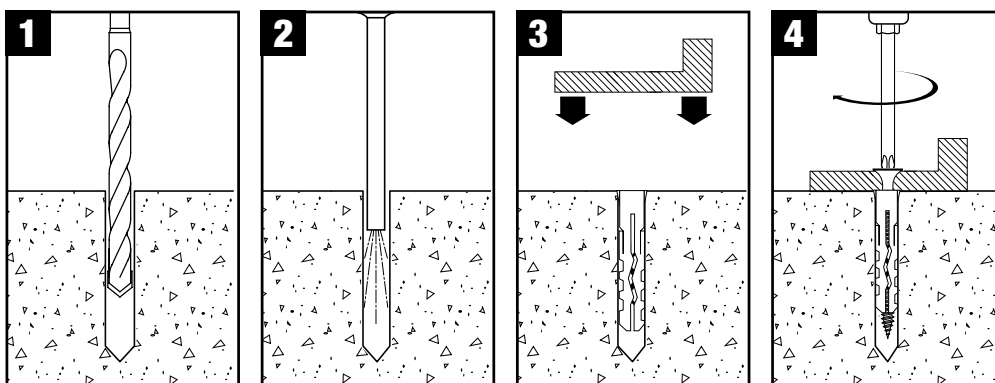
See front cover foldout for details.

PRODUCT OVERVIEW



Cat No.	Drill Dia. [mm]	Length [mm]	Box	Blister Pack	Pack Qty
DFM3441000		5 x 25	•		100
DFM344000P		5 x 25		•	25
DFM3441050		6 x 30	•		100
DFM344005P		6 x 30		•	20
DFM3441150		8 x 40	•		100
DFM344015P		8 x 40		•	20
DFM3441200		10 x 50	•		50
DFM344020P		10 x 50		•	10
DFM3441250		12 x 60	•		25
DFM344025P		12 x 60		•	6
DFM3441300		14 x 70	•		20
DFM344030P		14 x 70		•	4

INSTALLATION INSTRUCTIONS



EXTREME

IMPACT TORSION

DT70523T

32PC SCREWDRIVING SET WITH MAGNETIC BIT TIP HOLDER



DCD991

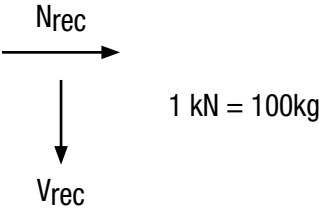
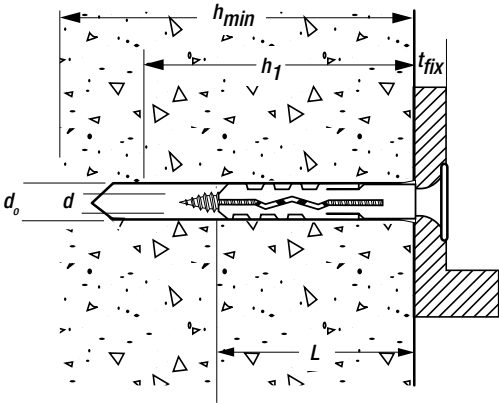
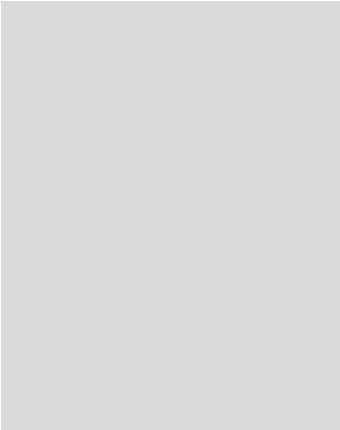
18V XR LI-ION BRUSHLESS PREMIUM DRILL DRIVER



Visit www.DeWALT.com for more information

NP NYLON PLUGS

TECHNICAL INFORMATION



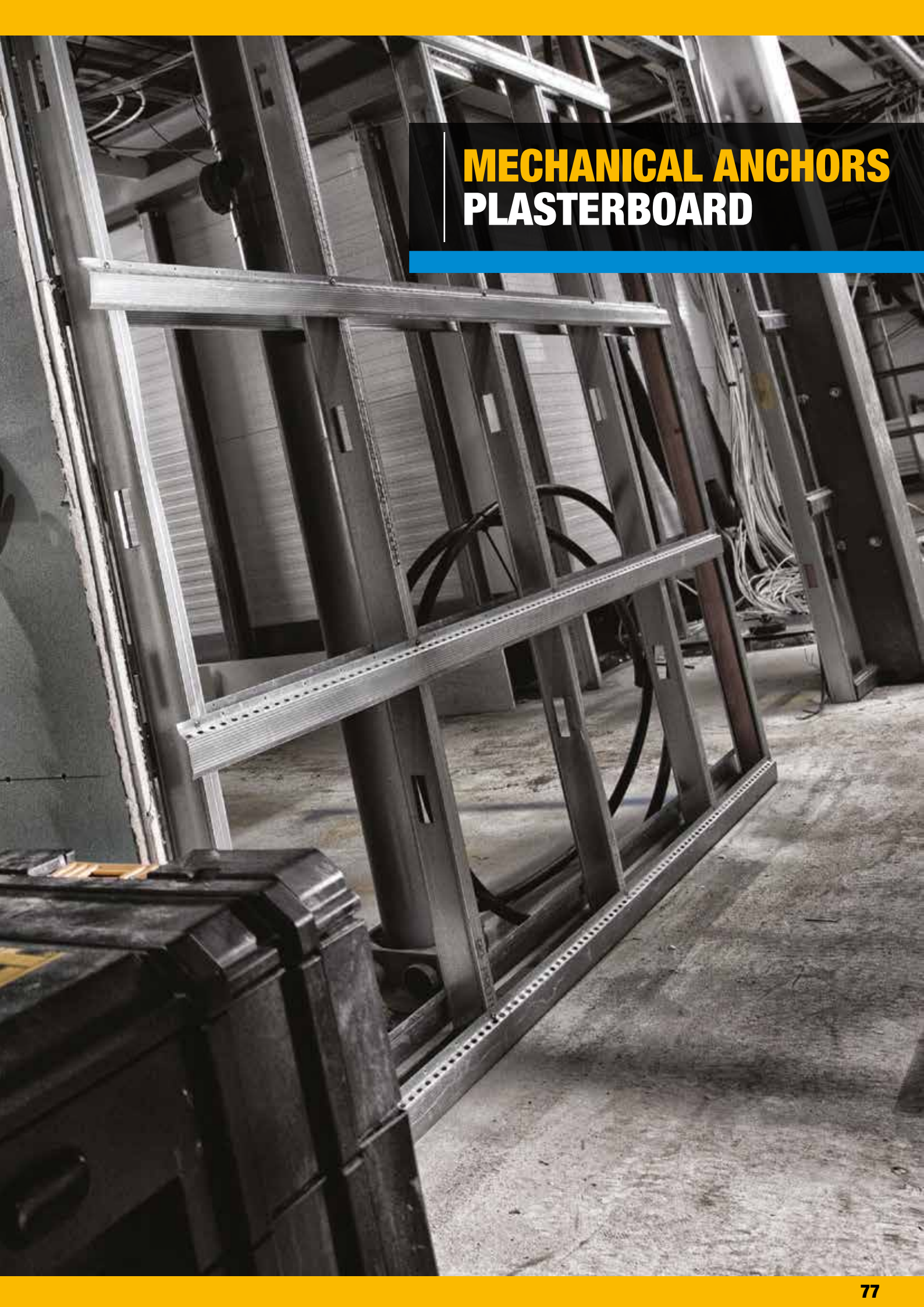
RECOMMENDED LOADS - UNCRACKED CONCRETE - NP


$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_f = 1.4$

Size - d ₀ x L [mm]	d [mm]	h ₁ [mm]	N _{rec} [kN]	V _{rec} [kN]
5 x 25	3 to 4	35	0.1	0.1
6 x 30	4 to 5	40	0.12	0.12
8 x 40	6 to 7	50	0.3	0.3
10 x 50	6 to 8	60	0.5	0.5
12 x 60	8 to 10	70	1.2	1.2
14 x 70	11 to 12	90	2	2





MECHANICAL ANCHORS **PLASTERBOARD**

ZIP-IT® PLASTERBOARD ANCHORS

DESCRIPTION

- One piece self drilling anchor designed for use in plasterboard for light duty loads
- Includes screws

APPLICATIONS

Light duty applications including:

- Brackets
- Mirrors
- Signage
- Light bathroom fittings

MATERIALS



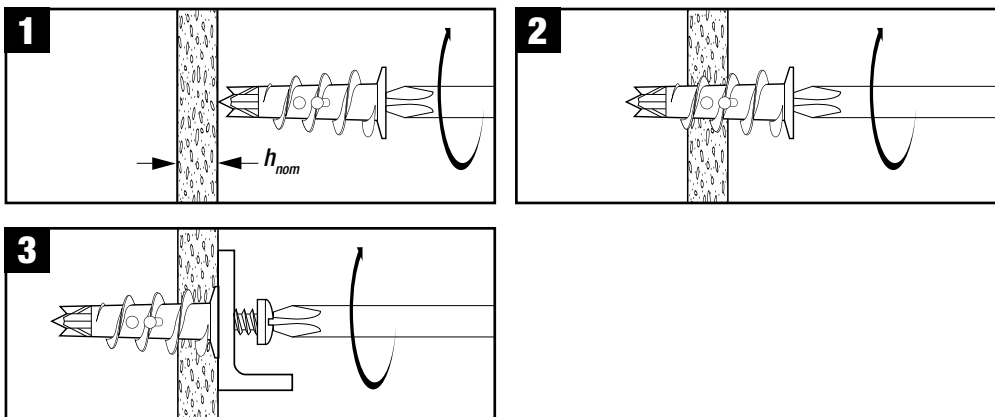
See front cover foldout for details.

PRODUCT OVERVIEW



Cat No.	Description	Box	Blister Pack	Pack Qty
DFM4110000	Metal	•		100
DFM411000P	Metal		•	10
DFM4120000	Nylon	•		100
DFM412000P	Nylon		•	10

INSTALLATION INSTRUCTIONS



RECOMMENDED LOADS - PLASTERBOARD - ZIP-IT®



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Plasterboard thickness h_{nom}	N_{rec} & V_{rec} [kN]
12.5mm	0.04
25mm	0.07

EXTREME®

**IMPACT
TORSION**

DT70523T

**32PC SCREWDRIVING
SET WITH MAGNETIC
BIT TIP HOLDER**



DCD991
18V XR LI-ION
BRUSHLESS
PREMIUM
DRILL DRIVER



Visit www.Dewalt.com for more information

ZIP-TOGGLE™

DESCRIPTION

- Self drilling hollow plasterboard anchor
- Includes screws

APPLICATIONS

Light duty applications including:

- Brackets
- Mirrors
- Signage
- Light bathroom fittings

MATERIALS



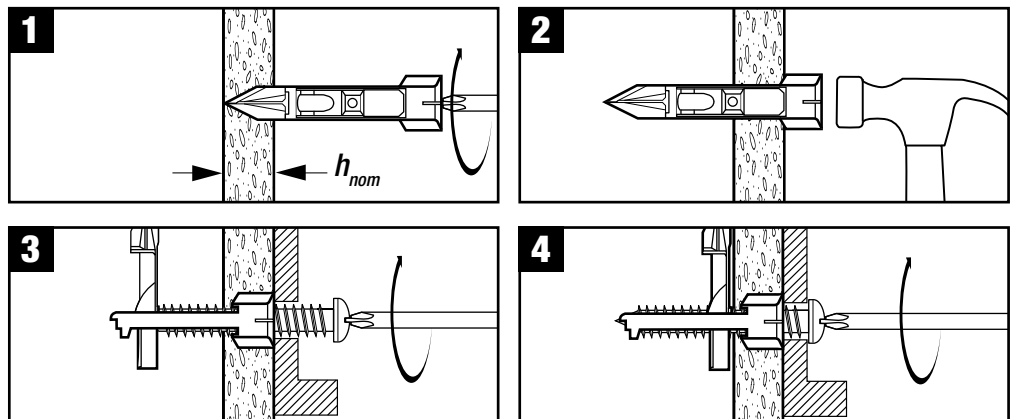
See front cover foldout for details.

PRODUCT OVERVIEW



Cat No.	 Length [mm]	 Box	 Blister Pack	Pack Qty
DFM4570000	50	•		50
DFM457000P	50		•	10

INSTALLATION INSTRUCTIONS



RECOMMENDED LOADS - PLASTERBOARD - ZIP-TOGGLE™



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Plasterboard thickness h_{nom}

12.5mm

N_{rec} & V_{rec} [kN]

0.13

EXTREME®

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR MAXIMUM DURABILITY WITH AN ANTI-SLIP SHANK

2x LONG LIFE



DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information

LEGS™ WALL ANCHORS

DESCRIPTION

- Fast and easy to use expansion anchor designed for use in wallboard
- The anchor has a pierce point, requiring no pre-drilling
- Includes screws

APPLICATIONS

Light duty applications including:

- Curtain hooks
- Pictures and mirrors

MATERIALS



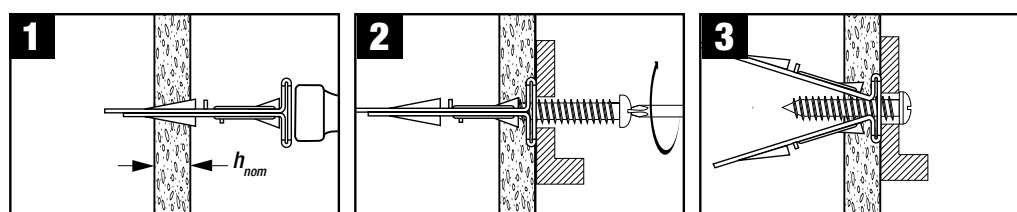
See front cover foldout for details.

PRODUCT OVERVIEW



Cat No.	Length [mm]	Box	Blister Pack	Pack Qty
DFM4470000	35	•		100
DFM447000P	35		•	10

INSTALLATION INSTRUCTIONS



RECOMMENDED LOADS - PLASTERBOARD - LEGS™

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Plasterboard thickness h_{nom}	N_{rec} & V_{rec} [kN]
12.5mm	0.04

EXTREME®

IMPACT TORSION

DT70523T

32PC SCREWDRIVING SET WITH MAGNETIC BIT TIP HOLDER



DCD991

18V XR LI-ION BRUSHLESS PREMIUM DRILL DRIVER



Visit www.Dewalt.com for more information

ST STRAP TOGGLE™

DESCRIPTION

- Easy to install toggle fixing
- Hollow wall anchor for higher loads
- Reusable in the same hole (remove the bolt without losing the anchor)

APPLICATIONS

Light duty applications including:

- Pictures and mirrors
- Light sanitary fixings
- Metal brackets

MATERIALS



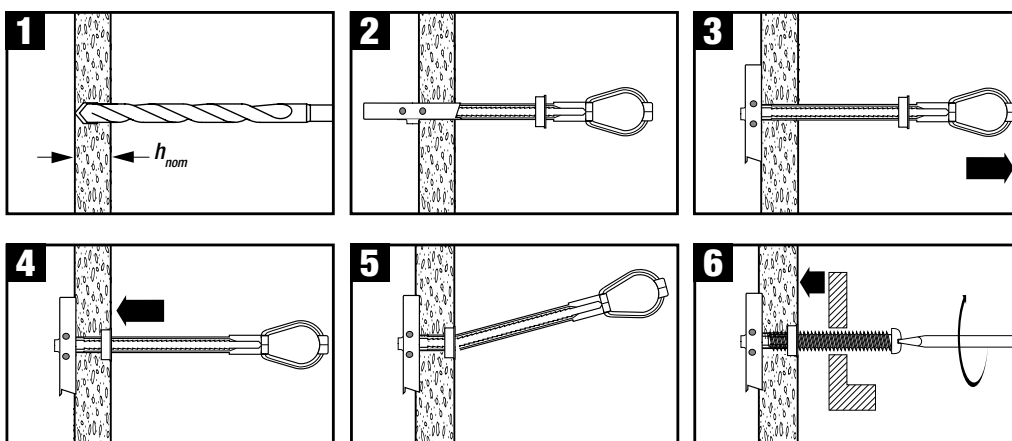
See front cover foldout for details.

PRODUCT OVERVIEW



Cat No.	Drill Dia. [mm]	Thread Size [mm]	Box	Blister Pack	Pack Qty
DFM4540050	12 x M6		•		50
DFM454005P	12 x M6			•	4
DFM4540100	18 x M8		•		25
DFM454010P	18 x M8			•	2

INSTALLATION INSTRUCTIONS



RECOMMENDED LOADS - PLASTERBOARD - ST STRAP TOGGLE™



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size	Plasterboard thickness h_{nom}	N_{rec} [kN]	V_{rec} [kN]
12 x M6	12.5mm	0.2	0.2
18 x M8	12.5mm	0.2	0.3

EXTREME®

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR MAXIMUM DURABILITY WITH AN ANTI-SLIP SHANK

2x LONG LIFE



DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information



HWA HOLLOW WALL ANCHORS

THE CLASSIC METAL FIXING FOR PLASTERBOARD

The HWA hollow wall anchor is an all-metal fixing designed for fast installation into plasterboard.

With a long-lasting anti-corrosion coating, it is able to hold up to 23 kg in hollow walls and is ideal for medium to heavy applications.

Hollow Wall Anchors are optimised for installation using the HWA setting tool which pulls the fixing and folds the arms against the material, giving a secure hold in one action.

The anchor also features a wide head and anti-rotation spikes to prevent spinning in the material.

- Long-lasting anti-corrosion treatment
- Available in a range of diameters and lengths for different plasterboard thicknesses.
- Use the DFM4401000 setting tool for best results
- Detachable head makes it easy to replaster the surface for a smooth finish
- Wide head and anti-rotation spikes

HWA MULTI ALSO AVAILABLE FOR UNIVERSAL APPLICATIONS. SEE PAGE 86

HWA HOLLOW WALL ANCHORS

APPLICATIONS

Medium to heavy duty applications including:

- Coat hooks
- Television brackets
- Curtain poles
- Kitchen cupboards
- Shelves
- Wall lights

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - HWA HOLLOW WALL ANCHORS

NEW



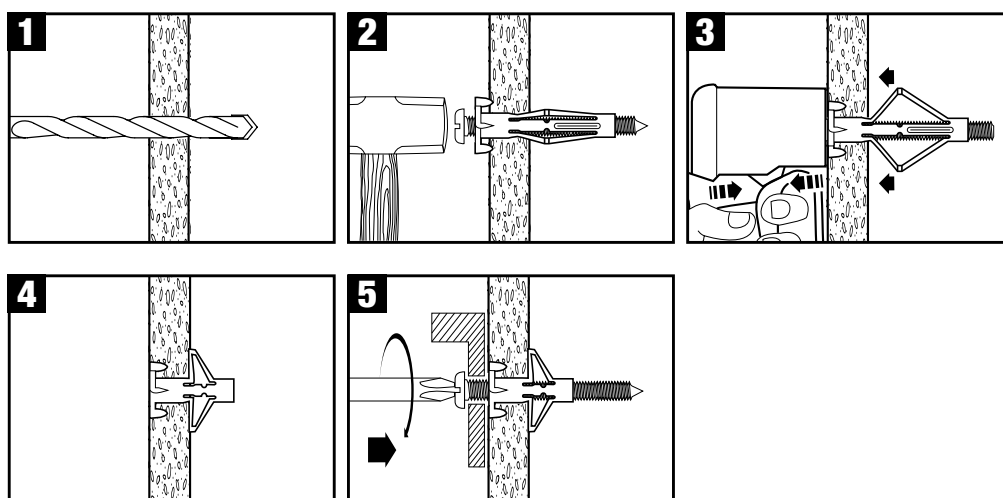
Cat No.	 Thread Size [mm]	 Length [mm]	 Drill Dia. [mm]	 Max t _{fix} [mm]	 Box	 Blister Pack	Pack Qty
DFM4410400	4 x 46		8	21	•		50
DFM441040P	4 x 46		8	21		•	6
DFM4410500	5 x 36		11	17	•		100
DFM441050P	5 x 36		11	17		•	6
DFM4410510	5 x 50		11	22	•		50
DFM441051P	5 x 50		11	22		•	4
DFM4410600	6 x 50		11	22	•		50
DFM441060P	6 x 50		11	22		•	4

PRODUCT OVERVIEW - SETTING TOOL



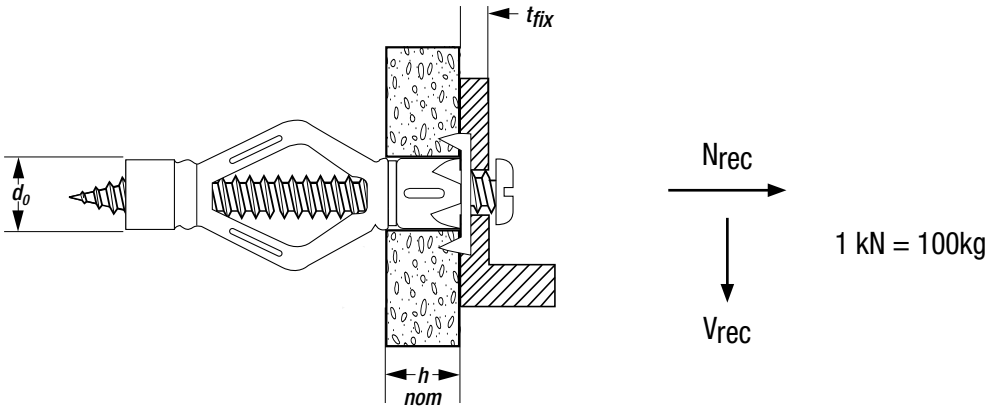
Cat No.	 Box	 Blister Pack	Pack Qty
DFM4401000		•	1

INSTALLATION INSTRUCTIONS



HWA HOLLOW WALL ANCHORS

TECHNICAL INFORMATION



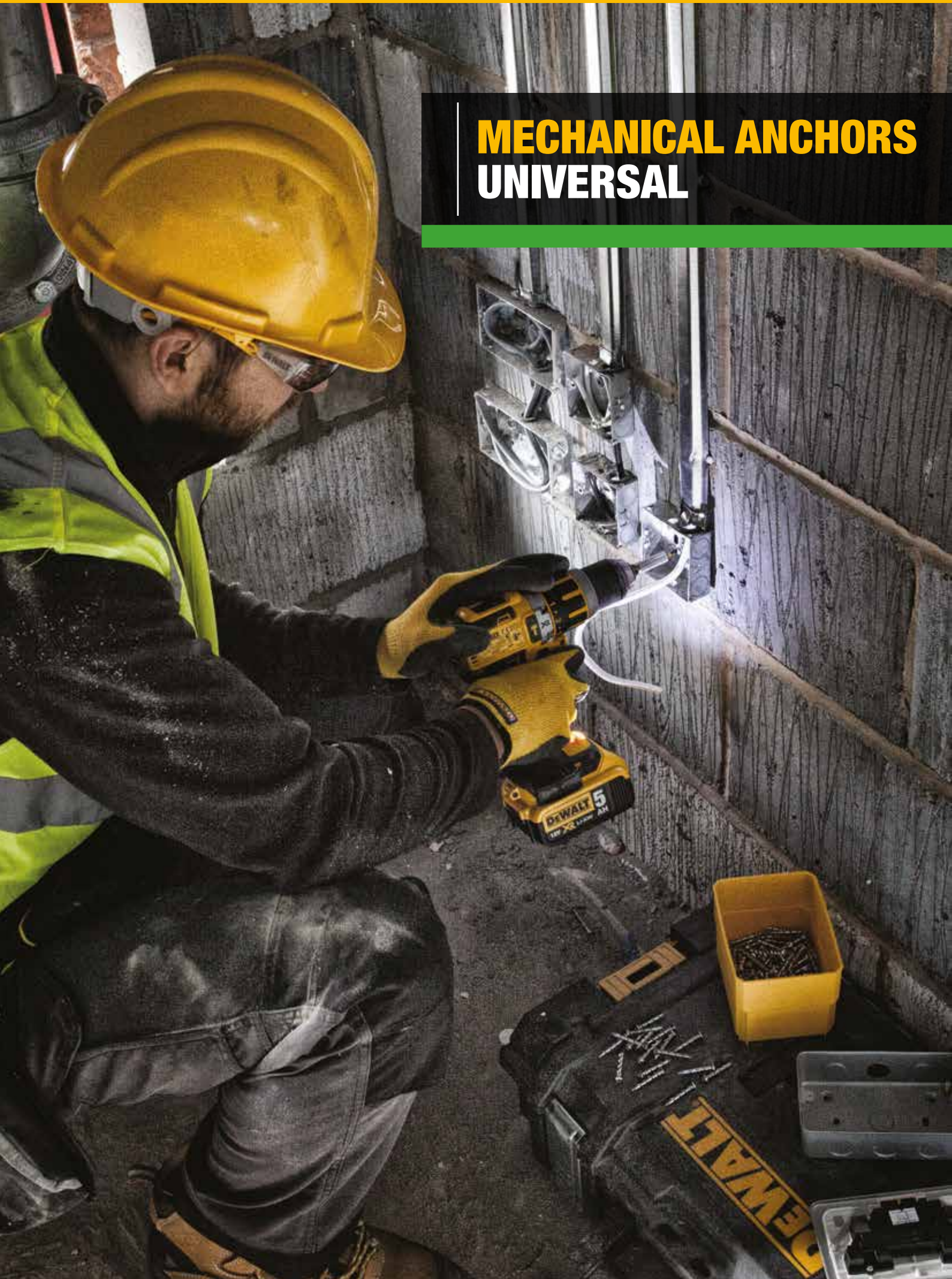
RECOMMENDED LOADS - PLASTERBOARD - HWA

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size	d ₀ [mm]	h _{nom} [mm]	t _{fix} max [mm]	N _{rec} & V _{rec} [kN]
4 x 46	8	10 to 24	21	0.10
5 x 36	11	10 to 15	17	0.15
5 x 50	11	10 to 15	22	0.19
6 x 50	11	10 to 15	22	0.23

MECHANICAL ANCHORS UNIVERSAL




HWA MULTI ANCHORS

MULTI-MATERIAL ANCHOR FOR ALL COMMON WALL TYPES

The HWA Multi is a multi-material fixing, designed for use in all common wall types as well as plasterboard.

Their unique folding mechanism make them extremely versatile and allows them to secure in all common wall types: the arms can fold back against the material for use in hollow walls and plasterboard; expand along its length for solid materials; or twist and expand for use in hollow brick and block.

The anchors are also extremely easy to use and can be installed without the need for a setting tool.

The anchor also features a wide head and anti-rotation spikes to prevent spinning in the material.

- Holds up to 15 kg in hollow walls and solid materials
- Detachable head makes it easy to replaster or fill the surface for a smooth finish
- Engineered with extra grip points for solid fixing
- Long-lasting anti-corrosion treatment

HWA HOLLOW WALL ANCHOR ALSO AVAILABLE FOR PLASTERBOARD. SEE PAGE 82

HWA MULTI ANCHORS

APPLICATIONS

Light to medium duty applications including:

- Coat hooks
- Television brackets
- Kitchen cupboards

MATERIALS



See front cover foldout for details.

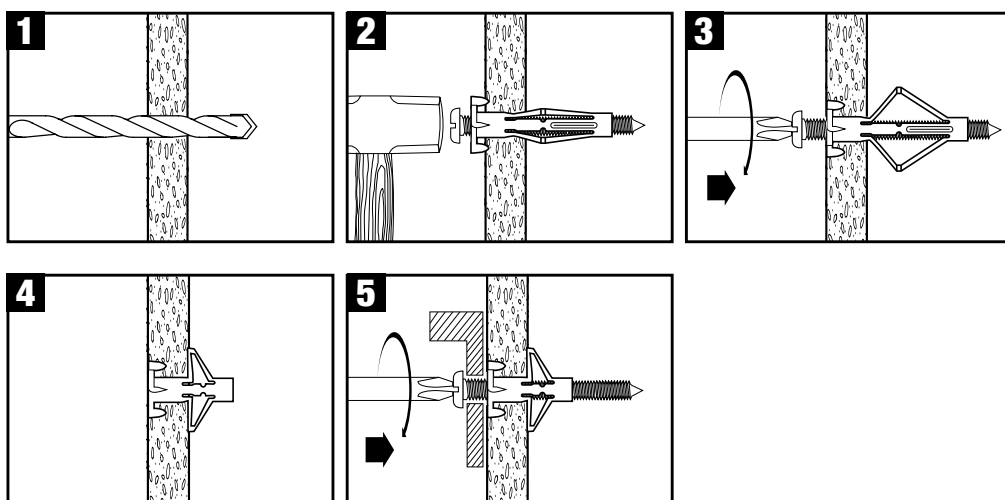
PRODUCT OVERVIEW - HWA MULTI ANCHORS

NEW

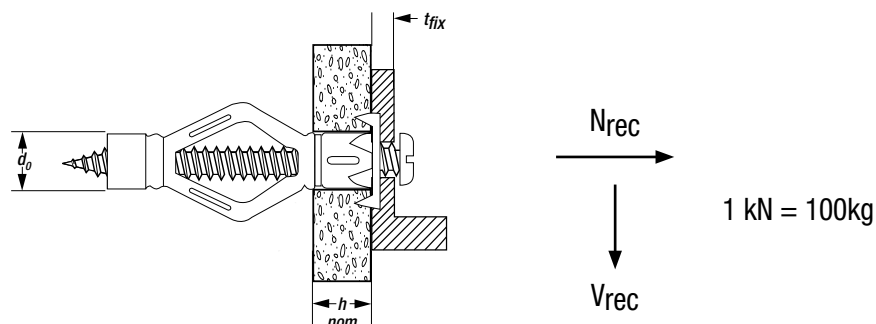


Cat No.	Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM4410410	4 x 37		8	13	•		50
DFM441041P	4 x 37		8	13		•	4
DFM4410520	5 x 60		10	15	•		50
DFM441052P	5 x 60		10	15		•	4

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - PLASTERBOARD AND CONCRETE - HWA MULTI



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$



Size	d_o [mm]	h_{nom} [mm]	t_{fix} Max [mm]	N_{rec} [kN]	V_{rec} [kN]
4 x 37	8	12.5	13	0.1	0.1
5 x 60	10	12.5	15	0.15	0.15



FRAMID® PRO UNIVERSAL FRAME ANCHORS

UNIVERSAL FRAME ANCHOR

The **DEWALT® FRAMID® PRO** universal frame anchor is designed for easy installation into a wide range of materials including both solid and hollow substrates. Available with either hex or countersunk heads and a variety of finishes, the anchor includes a high-quality polyamide PA6 plug body.

The large collar of the hex version also provides excellent insulation against water penetration.

- ETAG 020 approved for multiple use in concrete and masonry.
- Fire resistance for fastening of facade systems according to ETAG 020 (Dia 10 mm only).

- Increased load capacity provided by 4 expansion zones and 70mm setting depth.
- Available as zinc plated for indoor use and stainless steel for applications that need a higher corrosion resistance.



**HEX
HEAD**



**COUNTERSUNK
HEAD**

FRAMID® PRO UNIVERSAL FRAME ANCHORS

APPLICATIONS

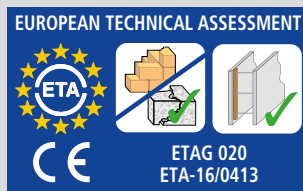
- Facade mounting plates
- Fixing timber to walls
- Supporting brackets
- Pipework brackets
- Window and door frames
- Satellite dish installation

MATERIALS



See front cover foldout for details.

APPROVALS



*Dia 10 mm only

PRODUCT OVERVIEW - FRAMID® PRO HEX - ZINC PLATED

NEW



Cat No.		Dia. [mm]	Length [mm]	Head Size [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3540000	•	10x80	13	T40	10	•			50
DFM354000P	•	10x80	13	T40	10			•	4
DFM3540010	•	10x100	13	T40	30	•			50
DFM354001P	•	10x100	13	T40	30			•	4
DFM3540020	•	10x120	13	T40	50	•			50
DFM354002P	•	10x120	13	T40	50			•	4
DFM3540030	•	10x140	13	T40	70	•			50
DFM354003P	•	10x140	13	T40	70			•	4
DFM3540040	•	10x160	13	T40	90	•			25
DFM354004P	•	10x160	13	T40	90			•	4
DFM3540050	•	10x180	13	T40	110	•			25
DFM3540060	•	10x200	13	T40	130	•			25
DFM3540070	•	10x230	13	T40	160	•			25
DFM3540200	•	14x100	17	T50	30	•			25
DFM3540210	•	14x120	17	T50	50	•			25
DFM3540220	•	14x140	17	T50	70	•			25
DFM3540230	•	14x160	17	T50	90	•			25
DFM3540240	•	14x180	17	T50	110	•			25
DFM3540250	•	14x200	17	T50	130	•			25

PRODUCT OVERVIEW - FRAMID® PRO HEX - HDG



Cat No.		Dia. [mm]	Length [mm]	Head Size [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3540660		10 x 80	13	T40	10	•			50
DFM3540670		10 x 100	13	T40	30	•			50
DFM3540680		10 x 120	13	T40	50	•			50
DFM3540690		10 x 140	13	T40	70	•			50
DFM3540700		10 x 160	13	T40	90	•			25
DFM3540710		10 x 180	13	T40	110	•			25
DFM3540720		10 x 200	13	T40	130	•			25
DFM3540730		10 x 230	13	T40	160	•			25

FRAMID® PRO UNIVERSAL FRAME ANCHORS

APPLICATIONS

- Facade mounting plates
- Fixing timber to walls
- Supporting brackets
- Pipework brackets
- Window and door frames
- Satellite dish installation

MATERIALS



See front cover foldout for details.

APPROVALS



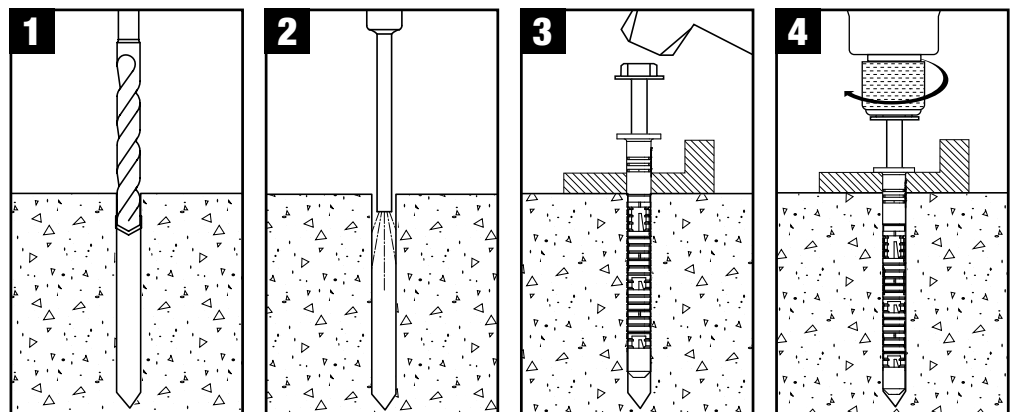
*Dia 10 mm only

PRODUCT OVERVIEW - FRAMID® PRO HEX - A4 STAINLESS STEEL

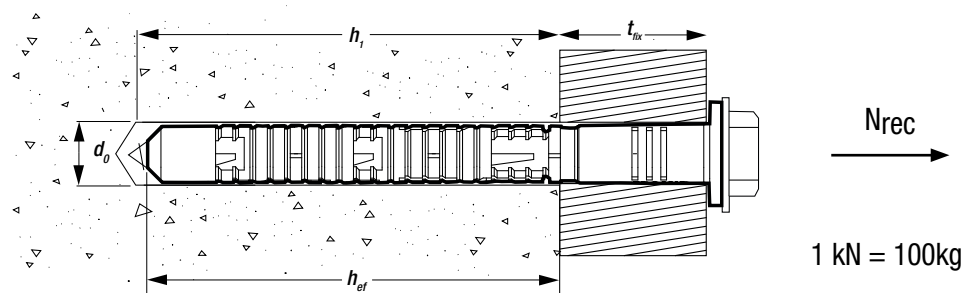


Cat No.	ETA	Dia. [mm]	Length [mm]	Head Size [mm]	Fitment [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3540840	•	10	80	13	T40	10	•		50
DFM3540850	•	10	100	13	T40	30	•		50
DFM3540860	•	10	120	13	T40	50	•		50
DFM3540870	•	10	140	13	T40	70	•		50
DFM3540880	•	10	160	13	T40	90	•		25
DFM3540890	•	10	180	13	T40	110	•		25
DFM3540900	•	10	200	13	T40	130	•		25
DFM3540910	•	10	230	13	T40	160	•		25

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



ALLOWABLE LOADS - UNCRACKED AND CRACKED CONCRETE - FRAMID® PRO HEX HEAD



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$$\gamma_F = 1.4$$

Base Material	d_0 [mm]	Drilling method	h_1 [mm]	h_{ef} [mm]	N_{rec} [kN]
Concrete $\geq C20/25$	10	hammer	80	70	1.6
	14	hammer	85	70	3

FRAMID® PRO UNIVERSAL FRAME ANCHORS

APPLICATIONS

- Facade mounting plates
- Timber to walling
- Supporting brackets
- Pipework brackets
- Window and door frames
- Satellite dish installation

MATERIALS



See front cover foldout for details.

APPROVALS



*Dia 10 mm only

PRODUCT OVERVIEW - FRAMID® PRO COUNTERSUNK - ZINC PLATED



								
Cat No.		Dia. [mm]	Length [mm]	Fitment [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM3540390	•	10 x 80		T40	10	•		50
DFM354039P	•	10 x 80		T40	10		•	4
DFM3540400	•	10 x 100		T40	30	•		50
DFM354040P	•	10 x 100		T40	30		•	4
DFM3540410	•	10 x 120		T40	50	•		50
DFM354041P	•	10 x 120		T40	50		•	4
DFM3540420	•	10 x 140		T40	70	•		50
DFM354042P	•	10 x 140		T40	70		•	4
DFM3540430	•	10 x 160		T40	90	•		25
DFM354043P	•	10 x 160		T40	90		•	4
DFM3540440	•	10 x 180		T40	110	•		25
DFM3540450	•	10 x 200		T40	130	•		25
DFM3540460	•	10 x 230		T40	160	•		25
DFM3540470	•	10 x 260		T40	190	•		25
DFM3540480	•	10 x 300		T40	230	•		25
DFM3540490	•	14 x 100		T50	30	•		25
DFM3540500	•	14 x 120		T50	50	•		25
DFM3540510	•	14 x 140		T50	70	•		25
DFM3540520	•	14 x 160		T50	90	•		25
DFM3540530	•	14 x 180		T50	110	•		25
DFM3540540	•	14 x 200		T50	130	•		25
DFM3540550	•	14 x 230		T50	160	•		25
DFM3540560	•	14 x 260		T50	190	•		25

XLR®

SDS-plus®
CARBIDE DRILL BITS
FOR FAST INSTALLATION
FROM 5-14 MM DIAMETER



XR FLEX VOLT®

DCH334
54V XR
FLEXVOLT
SDS-plus®
HAMMER



See page 6 for more information

FRAMID® PRO UNIVERSAL FRAME ANCHORS

APPLICATIONS

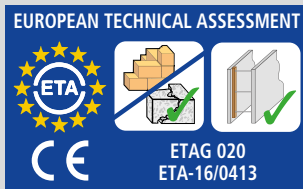
- Facade mounting plates
- Timber to walling
- Supporting brackets
- Pipework brackets
- Window and door frames
- Satellite dish installation

MATERIALS



See front cover foldout for details.

APPROVALS - SS Only



*Dia 10 mm only

PRODUCT OVERVIEW - FRAMID® PRO COUNTERSUNK - HDG



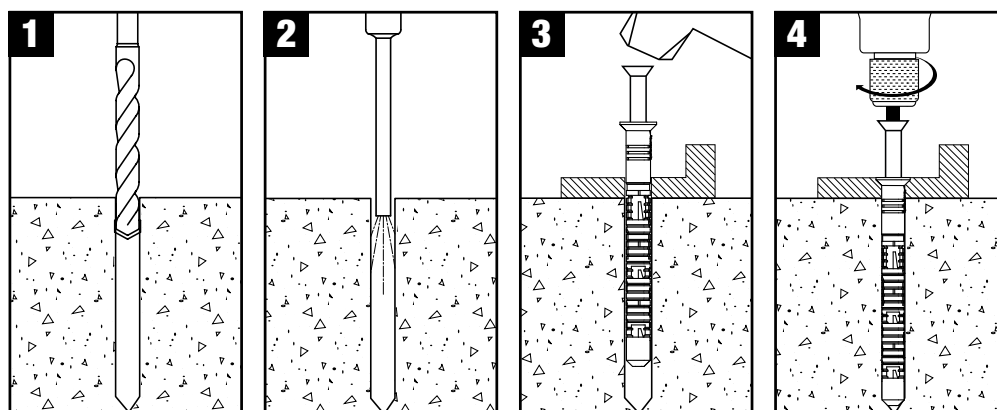
Cat No.		Dia. [mm]	Length [mm]	Fitment [mm]	Max t _{ex} [mm]	Box	Blister Pack	Pack Qty
DFM3540740		10 x 80		T40	10	•		50
DFM3540750		10 x 100		T40	30	•		50
DFM3540760		10 x 120		T40	50	•		50
DFM3540770		10 x 140		T40	70	•		50
DFM3540780		10 x 160		T40	90	•		25
DFM3540790		10 x 180		T40	110	•		25
DFM3540800		10 x 200		T40	130	•		25
DFM3540810		10 x 230		T40	160	•		25

PRODUCT OVERVIEW - FRAMID® PRO COUNTERSUNK - A4 STAINLESS STEEL



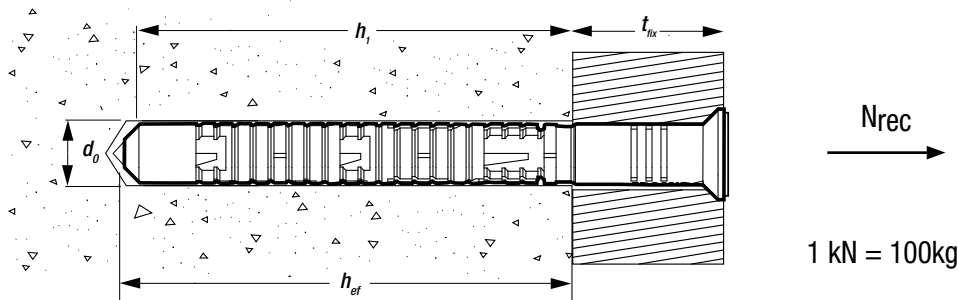
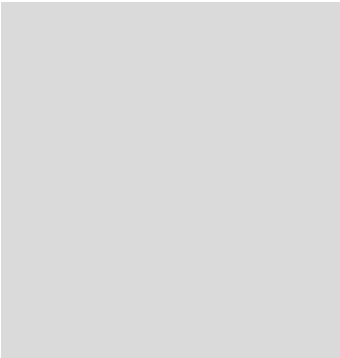
Cat No.		Dia. [mm]	Length [mm]	Fitment [mm]	Max t _{ex} [mm]	Box	Blister Pack	Pack Qty
DFM3540920	•	10 x 80		T40	10	•		50
DFM3540930	•	10 x 100		T40	30	•		50
DFM3540940	•	10 x 120		T40	50	•		50
DFM3540950	•	10 x 140		T40	70	•		50
DFM3540960	•	10 x 160		T40	90	•		25
DFM3540970	•	10 x 180		T40	110	•		25
DFM3540980	•	10 x 200		T40	130	•		25
DFM3540990	•	10 x 230		T40	160	•		25

INSTALLATION INSTRUCTIONS



FRAMID® PRO UNIVERSAL FRAME ANCHORS

TECHNICAL INFORMATION



ALLOWABLE LOADS - UNCRACKED AND CRACKED CONCRETE - FRAMID® PRO COUNTERSUNK


$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$


$$\gamma_f = 1.4$$

Base Material	d ₀ [mm]	Drilling method	h ₁ [mm]	h _{ef} [mm]	N _{rec} [kN]
Concrete ≥ C20/25	10	hammer	80	70	1.6
	14	hammer	85	70	3

TAPPER-PRO SCREWS

DESCRIPTION

- One-piece self-tapping concrete screw for use in a variety of base materials including wood
- Features a corrosion resistant Perma-Seal™ coating and an optimised thread design for low installation torque. The screw also incorporates a gimlet drill point for wood (no pre-drilling required)

APPLICATIONS

- Screen enclosures
- Exterior metal lighting
- Storm shutters
- Marine applications

MATERIALS



See front cover foldout for details.

APPROVALS



PRODUCT OVERVIEW - TAPPER-PRO HEX HEAD SCREWS - PERMA-SEAL™



Cat No.	Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DWT1400100*	6.3 x 32		4.8**	7***	•		100
DWT140010P*	6.3 x 32		4.8**	7***		•	5
DWT1400150*	6.3 x 45		4.8**	1	•		100
DWT140015P*	6.3 x 45		4.8**	1		•	5
DWT1400200*	6.3 x 57		4.8**	13	•		100
DWT140020P*	6.3 x 57		4.8**	13		•	5
DWT1400250*	6.3 x 70		4.8**	26	•		100
DWT1400300*	6.3 x 82		4.8**	38	•		100

*Please refer to the Technical Manual and ICC-ES ESR Report for correct installation instructions. **5.0mm drill diameter may be used, on the understanding that the 'Recommended Loads' are no longer applicable. ***Reduced embedment depth of 25mm, not suitable for ICC-ES approval.

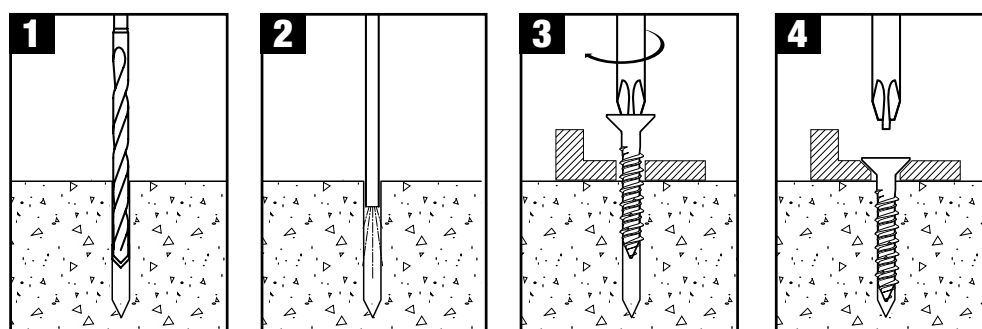
PRODUCT OVERVIEW - TAPPER-PRO COUNTERSUNK SCREWS - PERMA-SEAL™



Cat No.	Thread Size [mm]	Length [mm]	Drill Dia. [mm]	Max t_{fix} [mm]	Box	Blister Pack	Pack Qty
DWT1410650*	4.8 x 57		4	13	•		100
DWT1410700*	4.8 x 70		4	26	•		100
DWT1410850*	4.8 x 101		4	57	•		100
DWT1410100*	6.3 x 32		4.8**	7***	•		100
DWT1410150*	6.3 x 45		4.8**	1	•		100
DWT1410200*	6.3 x 57		4.8**	13	•		100
DWT1410250*	6.3 x 70		4.8**	26	•		100
DWT1410300*	6.3 x 82		4.8**	38	•		100
DWT1410400*	6.3 x 101		4.8**	57	•		100
DWT141040P*	6.3 x 101		4.8**	57		•	5
DWT1410450*	6.3 x 127		4.8**	83	•		100
DWT141045P*	6.3 x 127		4.8**	83		•	5

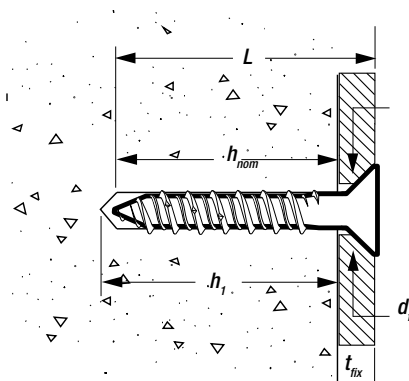
*Please refer to the Technical Manual and ICC-ES ESR Report for correct installation instructions. **5.0mm drill diameter may be used, on the understanding that the 'Recommended Loads' are no longer applicable. ***Reduced embedment depth of 25mm, not suitable for ICC-ES approval.

INSTALLATION INSTRUCTIONS



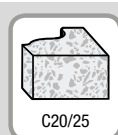
TAPPER-PRO SCREWS

TECHNICAL INFORMATION



N_{rec}
 V_{rec}
1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - TAPPER-PRO



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Thread x L [mm]	h_{nom} [mm]	h_1 [mm]	d_f [mm]	t_{fix} [mm]	N_{rec} [kN]
HEX HEAD					
6.3 x 32	25	35	7	7	0.6
6.3 x 45	25	35	7	20	0.6
6.3 x 57	44	54	7	13	1.4
6.3 x 70	44	54	7	26	1.4
6.3 x 82	44	54	7	38	1.4
COUNTERSUNK					
4.8 x 57	25	35	6	32	0.4
4.8 x 70	44	54	6	26	0.8
4.8 x 101	44	54	6	57	0.8
6.3 x 32	25	35	7	7	0.6
6.3 x 45	25	35	7	20	0.6
6.3 x 57	44	54	7	13	1.4
6.3 x 70	44	54	7	26	1.4
6.3 x 82	44	54	7	38	1.4
6.3 x 101	44	54	7	57	1.4
6.3 x 127	44	54	7	83	1.4

XLR[®]

SDS-plus[®]
CARBIDE DRILL BITS
FOR FAST INSTALLATION
FROM 5-14 MM DIAMETER



XR FLEXVOLT[®]

DCH334
54V XR
FLEXVOLT
SDS-plus[®]
HAMMER



See page 6 for more information

ISO METAL INSULATION FIXINGS

DESCRIPTION

- One piece metal insulation fixing
- Time saving design using simple hammer-set installation

APPLICATIONS

- For fixing insulation materials beneath cladding / facade panels where non-flammable materials are specified

MATERIALS



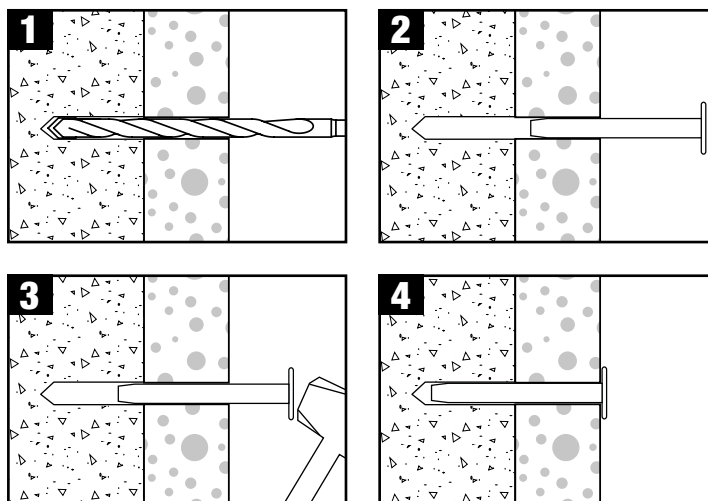
See front cover foldout for details.

PRODUCT OVERVIEW - ISO ZINC PLATED



							
Cat No.	Drill Dia. [mm]	Length [mm]	Max t_{fix} [mm]	Head Dia. [mm]	Box	Blister Pack	Pack Qty
DFM3150000	8 x 90		40	35	•		50
DFM3150050	8 x 110		60	35	•		50
DFM3150100	8 x 140		90	35	•		50
DFM3150150	8 x 170		120	35	•		50

INSTALLATION INSTRUCTIONS



EXTREME[®]

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR
MAXIMUM DURABILITY
WITH AN ANTI-SLIP SHANK

2x LONG LIFE



DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information

PX-U UNIVERSAL PLUGS

NEW

MECHANICAL ANCHORS

DESCRIPTION

- Nylon universal fixing
- Expansion in solid building materials, reliable knot formation in all hollow building materials
- Suitable for wood and chipboard screws

APPLICATIONS

General light duty fittings including:

- Pictures
- Skirting
- Curtain rails
- Motion sensors

MATERIALS



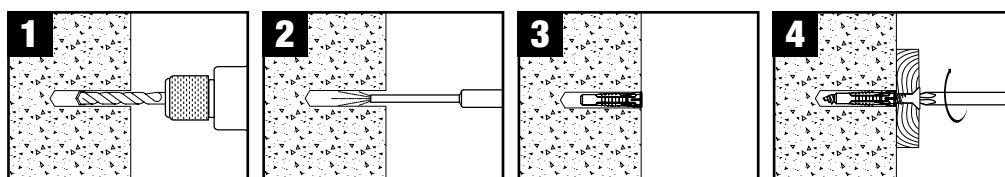
See front cover foldout for details.

PRODUCT OVERVIEW

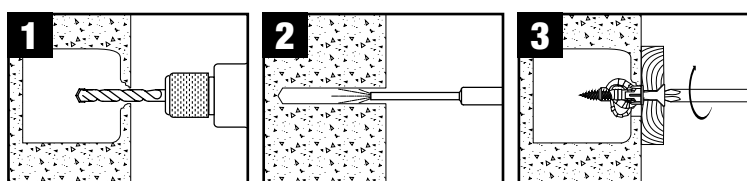


Cat No.	Drill Dia. [mm]	Length [mm]	Box	Blister Pack	Pack Qty
DFM3461000	6 x 30		•		100
DFM346100P	6 x 30			•	20
DFM3461050	8 x 40		•		100
DFM346105P	8 x 40			•	10
DFM3461100	10 x 50		•		100
DFM346110P	10 x 50			•	6

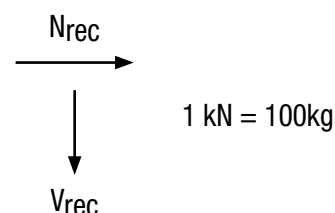
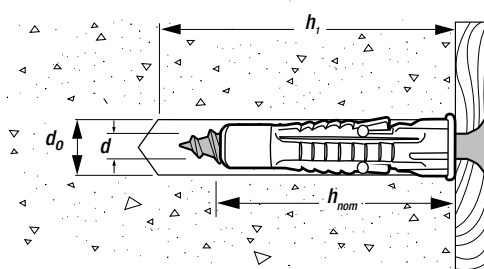
INSTALLATION INSTRUCTIONS (SOLID MATERIAL)



INSTALLATION INSTRUCTIONS (HOLLOW MATERIAL)

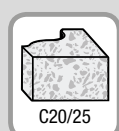


TECHNICAL INFORMATION



1 kN = 100kg

RECOMMENDED LOADS - UNCRACKED CONCRETE - PX-U



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size = d ₀ x Length [mm]	d [mm]	h _{nom} [mm]	h ₁ [mm]	N _{rec} & V _{rec} (kN)
6 x 30	4 to 5	30	40	0.2
8 x 40	4.5 to 6	40	50	0.3
10 x 50	7 to 8	50	60	0.5


WALL DOG® SCREW ANCHORS

MULTI-MATERIAL FASTENER - NO PLUG, ALL STEEL, MULTI-PURPOSE

Non combustible all metal fixings for fixed and demountable cable trays, sockets and conduit. Fully compliant with the latest fire safety Wiring Regulations BS 7671:2008 from the Institution of Engineering and Technology.

- An all steel, tension-free, one piece, threaded fastener
- Use to fasten various fixtures directly to plasterboard, wood, concrete, sand-lime stone or brickwork
- Multi-material fastener - no plugs required*



- No pre-drilling required in wood and plasterboard
- Approved by D-Line® for use with the Safe-D Clip® system
- Quick and easy to install
- Non combustible
- Fire safety - complies with amendment 3 of the Institution of Engineering and Technology new wiring regulations

*4mm pre-drilled hole may be required in some masonry materials. Site test is recommended to determine suitability.

WALL DOG® SCREW ANCHORS

DESCRIPTION

- An all steel, expansion free, one piece, threaded fastener
- Use to fasten fixtures directly to plasterboard, wood, concrete, sand-lime stone or brickwork
- No plug needed
- No pre-drilling required in wood and plasterboard*
- Approved by D-Line® for use with the Safe-D Clip® system

APPLICATIONS

Light to medium duty applications including:

- Curtain tracks
- Electrical sockets and switches, trunking, back boxes and conduit
- Installing fire clips

MATERIALS



See front cover foldout for details.

*4mm pre-drilled hole may be required in some masonry materials. Site test is recommended to determine suitability.

PRODUCT OVERVIEW - COUNTERSUNK



Cat No.	Head Colour	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM424000P	White	32	8	3		•	100
DFM424050P	White	32	8	3		•	10
DFM424015P	Chrome	32	8	3		•	100
DFM424055P	Chrome	32	8	3		•	10

PRODUCT OVERVIEW - PAN HEAD



Cat No.	Head Colour	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM425000P	White	32	8	3		•	100
DFM425050P	White	32	8	3		•	10
DFM425005P	Chrome	32	8	3		•	100
DFM425055P	Chrome	32	8	3		•	10

PRODUCT OVERVIEW - COUNTERSUNK - T25 RECESS

NEW


Cat No.	Head Colour	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM4230025	Chrome	50	9	21	•		100
DFM4230070	Chrome	70	9	41	•		100

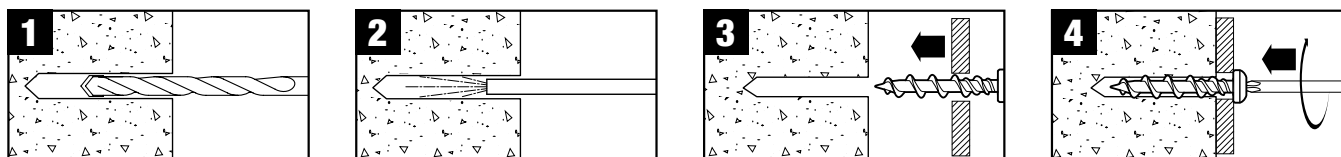
PRODUCT OVERVIEW - PAN HEAD - T25 RECESS

NEW

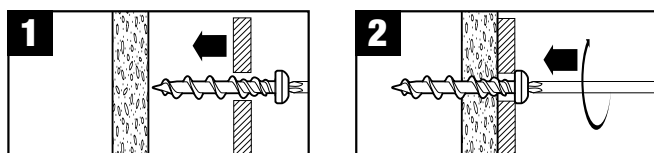

Cat No.	Head Colour	Length [mm]	Head Size [mm]	Max t _{fix} [mm]	Box	Blister Pack	Pack Qty
DFM4260025	Chrome	50	9	21	•		100
DFM4260070	Chrome	70	9	41	•		100

WALL DOG® SCREW ANCHORS

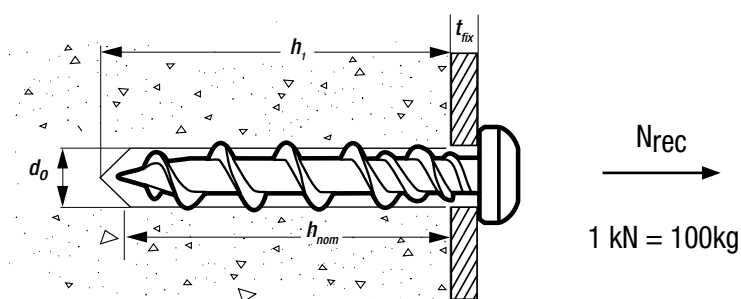
INSTALLATION INSTRUCTIONS (SOLID MATERIAL)



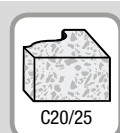
INSTALLATION INSTRUCTIONS (HOLLOW MATERIAL)



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - WALL DOG®



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size	h_{nom} [mm]	h_1 [mm]	d_0 [mm]	t_{fix} [mm]	N_{rec} [kN]
CSK-32-Chrome	29	35	5	3	0.3
CSK-32-White	29	35	5	3	0.3
PAN-32-Chrome	29	35	5	3	0.3
PAN-32-White	29	35	5	3	0.3
CSK-50 T25-Chrome	29	35	5	21	0.3
CSK-70 T25-Chrome	29	35	5	41	0.3
PAN-50 T25-Chrome	29	35	5	21	0.3
PAN-70 T25-Chrome	29	35	5	41	0.3

EXTREME®

MASONRY DRILL BITS ROUND SHANK PERCUSSION

UNIQUE DESIGN FOR MAXIMUM DURABILITY WITH AN ANTI-SLIP SHANK

2x LONG LIFE



DCD996 18V XR LI-ION BRUSHLESS PREMIUM HAMMER DRILL DRIVER



Visit www.DeWALT.com for more information

SHARKIE™ PLASTIC WALL ANCHORS

DESCRIPTION

- Multi-purpose wall anchor
- The anchor moulds and conforms exactly to the surface of the hole
- Won't spin or countersink into the hole

APPLICATIONS

General light duty fittings including:

- Shelving
- Bathroom accessories
- Flat screen TV brackets
- Draperies
- Curtain rods and blinds

MATERIALS



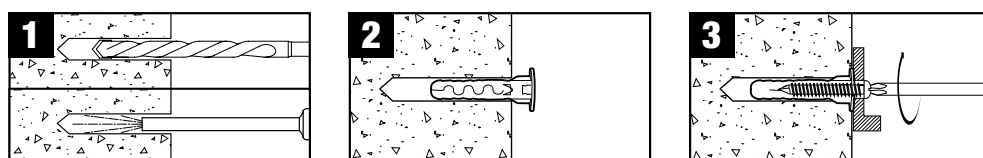
See front cover foldout for details.

PRODUCT OVERVIEW

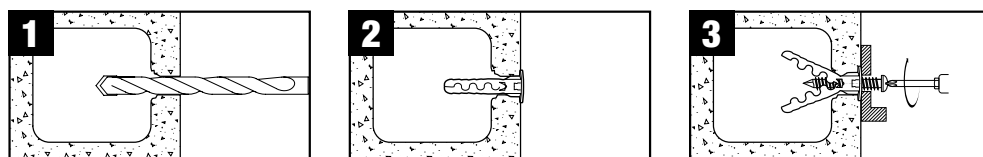


Cat No.	Drill Dia. [mm]	Length [mm]	Box	Blister Pack	Pack Qty
DFM4460050	6 x 30		•		100
DFM446005P	6 x 30			•	10
DFM4460100	8 x 40		•		100
DFM446010P	8 x 40			•	10

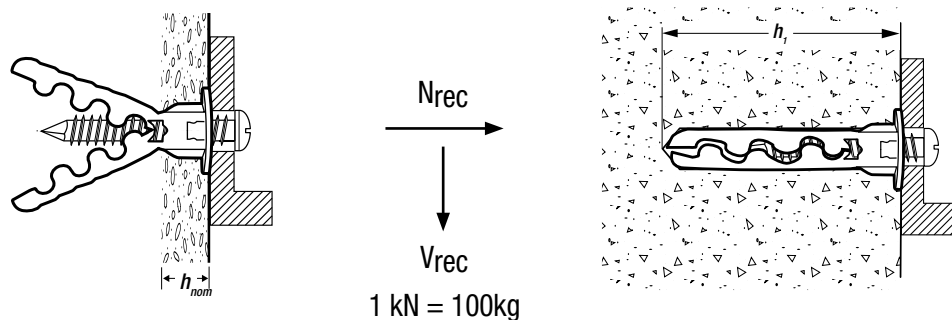
INSTALLATION INSTRUCTIONS (SOLID MATERIAL)



INSTALLATION INSTRUCTIONS (HOLLOW MATERIAL)



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - SHARKIE™

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Drill Dia. x Length [mm]	Screw dia	h_{nom} [mm]	h_1 [mm]	N_{rec} [kN]
6 x 30	4	27	35	0.20
8 x 40	4	37	45	0.24

RECOMMENDED LOADS - PLASTERBOARD - SHARKIE™

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

12.5mm
 $\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size - Drill Dia. x Length [mm]	h_{nom} [mm]	N_{rec} [kN]
6 x 30	12.5	0.05
8 x 40	12.5	0.06

VERTIGO™ HANGERS

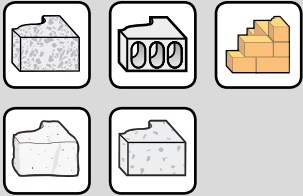
DESCRIPTION

- All steel self-tapping threaded fastening system
- For suspending steel threaded rod vertically overhead

APPLICATIONS

- Hanging pipes
- Sprinkler systems
- Lighting systems
- Suspended ceilings

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - CONCRETE HANGER - ZINC PLATED



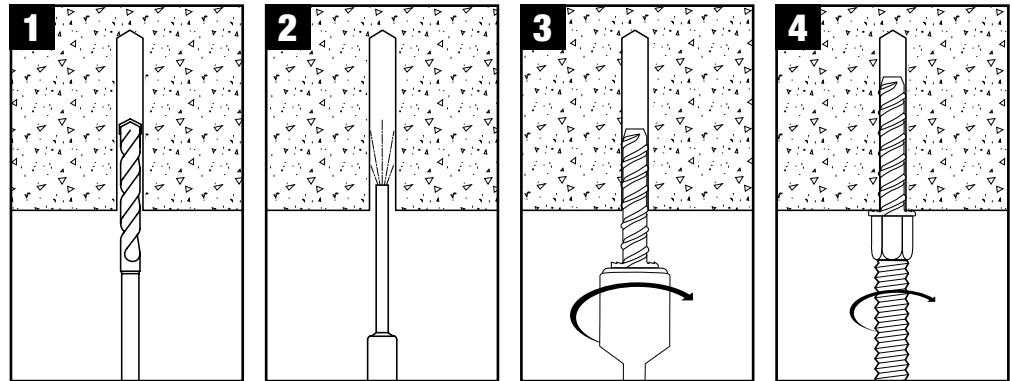
USE THE CORRECT SETTING TOOL
- SEE PAGE 105 FOR DETAILS



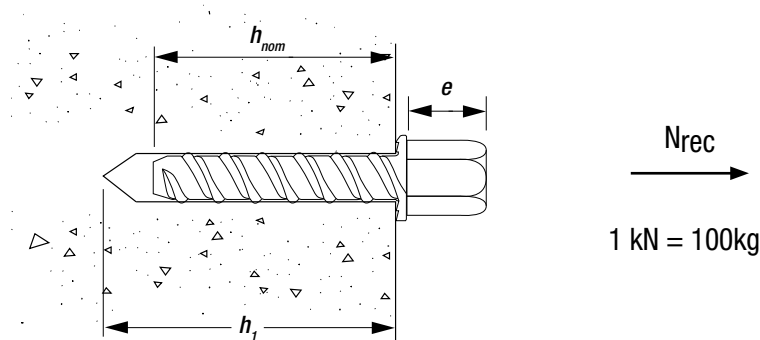
Cat No.	Thread Size [mm]	Length [mm]	Head Length [mm]	Drill Dia. [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DFM2220050	M8 x 39	16	6.5*	13	•			50
DFM2220100	M10 x 39	16	6.5*	13	•			50

*ANSI bit size 1/4"

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - UNCRACKED CONCRETE - VERTIGO™ CONCRETE HANGER - ZINC PLATED

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Size - Thread x h _{nom} [mm]	h ₁ [mm]	e _{min} [mm]	N _{rec} (kN)
M8 x 39	49	12	1.3
M10 x 39	49	12	1.3

VERTIGO™ HANGERS

DESCRIPTION

- One-piece, all steel threaded fastening system for suspending steel threaded rod
- Self-tapping
- Specifically designed for wood frame columns and beams

APPLICATIONS

- Hanging pipes
- Sprinkler systems
- Lighting systems
- Suspended ceilings

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - WOOD HANGER - ZINC PLATED

NEW

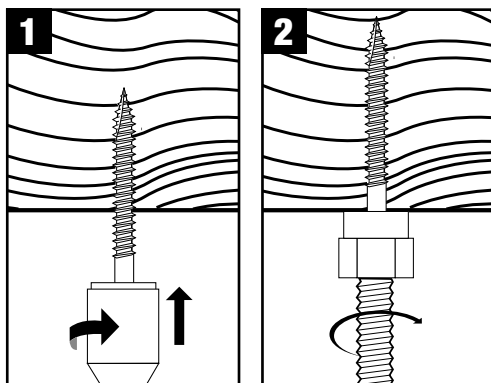


**USE THE CORRECT SETTING TOOL
- SEE PAGE 105 FOR DETAILS**

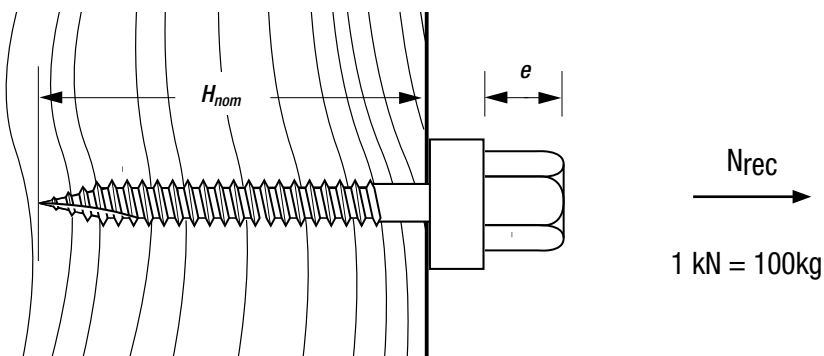


Cat No.	Thread Size [mm]	Length [mm]	Head Length [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DFM2250000	M6 x 50		20	16	•		100
DFM2250050	M8 x 50		20	16	•		100
DFM2250100	M10 x 50		20	16	•		100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



RECOMMENDED LOADS - VERTIGO™ WOOD HANGER - ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size = Thread x h ₁ [mm]	e _{min} [mm]	N _{rec} [kN]
M6 x 50	10	1.3
M8 x 50	10	1.3
M10 x 50	10	1.3

VERTIGO™ HANGERS

DESCRIPTION

- All steel threaded fastening system for suspending steel threaded rod
- Specifically designed for steel bar joists and beams

APPLICATIONS

- Hanging pipes
- Sprinkler systems
- Lighting systems
- Suspended ceilings

MATERIALS



See front cover foldout for details.

PRODUCT OVERVIEW - STEEL HANGER - ZINC PLATED

NEW

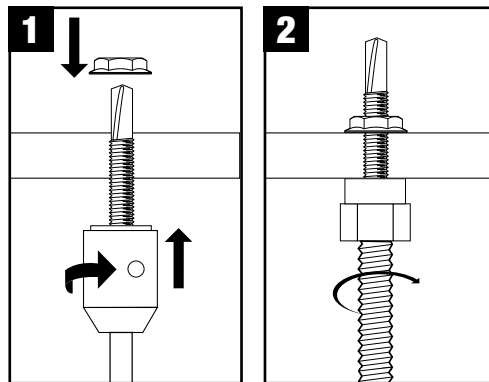


**USE THE CORRECT SETTING TOOL
- SEE PAGE 105 FOR DETAILS**

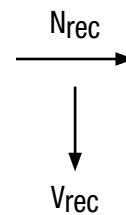
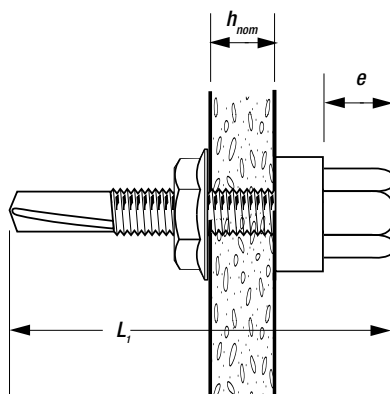


Cat No.	Thread Size [mm]	Length [mm]	Head Length [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DFM2230100	M8 x 25	20	16	•			100
DFM2230150	M8 x 32	20	16	•			100

INSTALLATION INSTRUCTIONS



TECHNICAL INFORMATION



1 kN = 100kg

RECOMMENDED LOADS - VERTIGO™ STEEL HANGER - ZINC PLATED



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$\gamma_M = 2.1 \quad \gamma_F = 1.4$

Size = Thread x L ₁ [mm]	h _{nom} [mm]	e _{min} [mm]	N _{rec} [kN]
M8 x 25	2-5	10	1.3
M8 x 32	2-5	10	1.3

VERTIGO™ INSTALLATION TOOLS

DESCRIPTION

- Installation tools for Vertigo Hangers

PRODUCT OVERVIEW - INSTALLATION TOOL FOR CONCRETE



Cat No.	Type	Box	Blister Pack	Pack Qty
DFM2200100	Concrete M8/M10	•		5

PRODUCT OVERVIEW - INSTALLATION TOOL FOR WOOD AND STEEL

NEW



Cat No.	Type	Box	Blister Pack	Pack Qty
DFM2200000	Wood and steel	•		5

ADHESIVE ANCHORS



ADHESIVE ANCHORS AND ACCESSORIES FOR EVERY APPLICATION.

The **DeWALT®** adhesive anchors range offers high performance, stress free fixing into brickwork, block work and concrete.

WORKING PRINCIPLES

Best suited for high load applications, the resulting bond between stud and resin is often stronger than the base material itself. The low expansion and splitting forces when the anchor is prestressed or loaded allow small edge distances and spacings.

This makes them ideal for close to edge fixing, close spacing and use in concrete of unknown quality or low compressive strength.

Each **DeWALT®** adhesive anchor is specifically formulated to provide a unique set of properties to suit various applications. Load capacities will depend on base material strength and integrity, stud or rebar specification and embedment depths.

For full technical information and to download the relevant approval and certification documentation please visit www.DeWALT.com.

PURE EPOXY ANCHORS



PURE150-PRO

- High thermal and high mechanical loading properties
- Outstanding resistance to chemicals
- Approved for use in both cracked and uncracked concrete
- Suitable for diamond drilled holes
- Suited to wet conditions/water filled holes and poor site conditions

VINYLESTER ANCHORS



AC100-PRO and AC100-PRO NORDIC

- Good thermal and high mechanical loading properties
- Styrene free vinylester anchor
- Faster curing times
- High adhesive resistance, especially in alkaline conditions
- Suited to wet conditions/water filled holes
- Approved for a wide range of base materials

POLYESTER ANCHORS



PV45-PRO

- Quick curing
- Suited to a wide range of base materials
- Cost-effective solution
- Low odour formulation
- Suitable for indoor / dry environments

TYPICAL SETTING TIMES (AT 10°C)



TYPE	PV45-PRO	AC100-PRO	AC100-PRO NORDIC	PURE150-PRO
GEL	20 min	15 min	6 min	90 min
DRY	100 min	80 min	60 min	30 h
WET	Not suitable	160 min	120 min	60 h

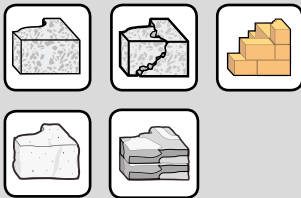
PURE150-PRO PURE EPOXY ANCHOR

DESCRIPTION

- Pure epoxy mortar with ETA-Option1 approval, for use in cracked and uncracked concrete
- Approved for overhead applications (Option1/Core Drill) and water filled holes (Option1)
- The cracked concrete approval is valid for fixing with standard threaded rods and rebars
- Approved for diamond drilled holes
- Approved for seismic loads according to category C1 and C2 (M12 and M16)
- Includes mixing nozzle and extension

24 MONTHS
24 months shelf life

MATERIALS



See front cover foldout for details.

APPROVALS

EUROPEAN TECHNICAL ASSESSMENT



EUROPEAN TECHNICAL ASSESSMENT



EUROPEAN TECHNICAL ASSESSMENT

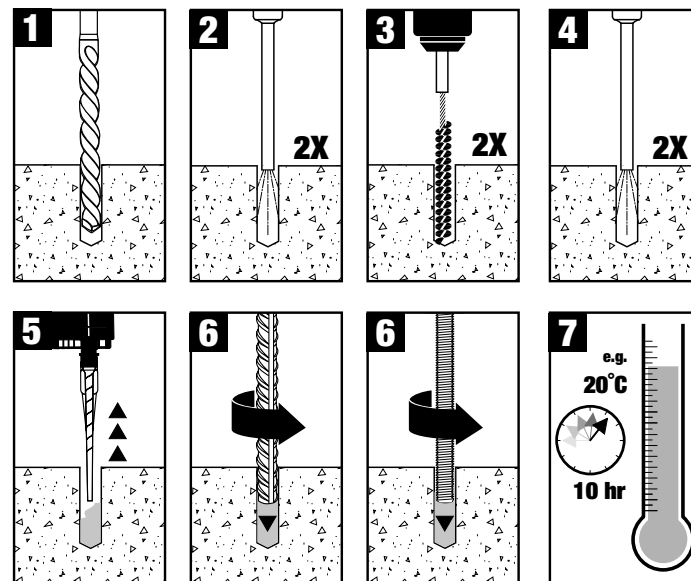


PRODUCT OVERVIEW

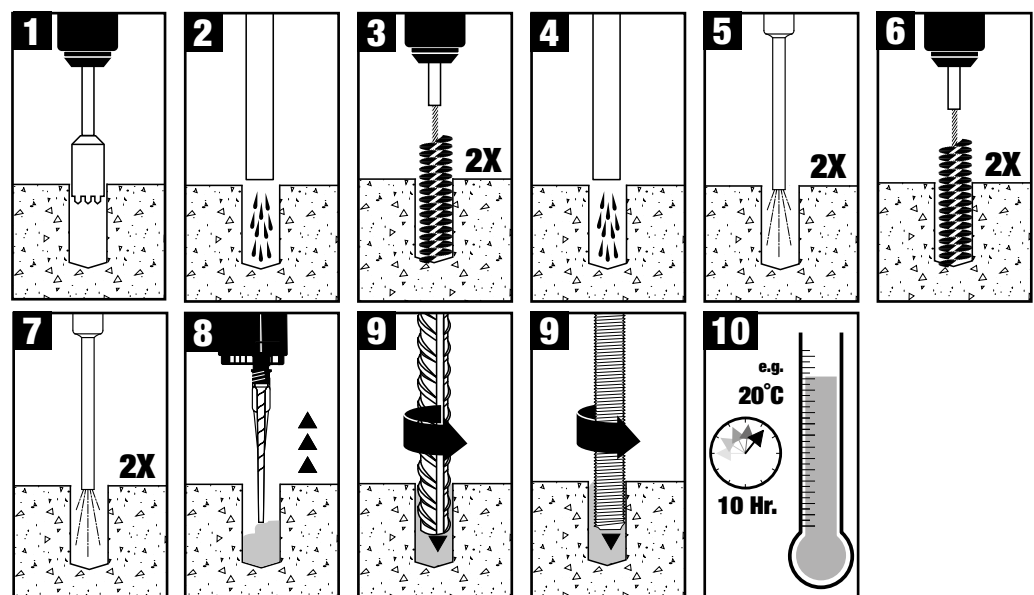


Cat No.		Cartridge Size [ml]	Box	Blister Pack	Pack Qty
DFC1110050	•	585	•		1

INSTALLATION INSTRUCTIONS - HAMMER DRILL



INSTALLATION INSTRUCTIONS - CORE DRILL

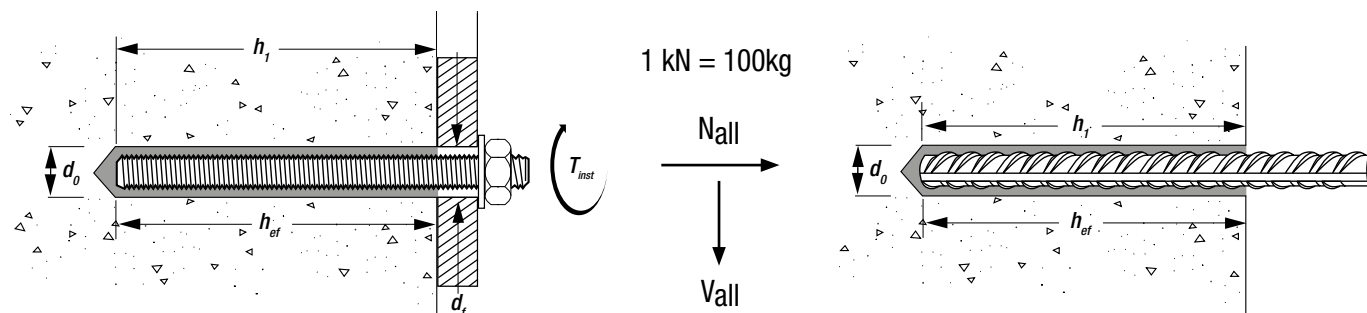


PURE150-PRO PURE EPOXY ANCHOR

SETTING TIMES

TEMP °C	GEL	SET DRY	SET WET
5 to 9	2 h	50 h	100 h
10 to 19	90 min	30 h	60 h
20 to 29	30 min	10 h	20 h
30 to 39	20 min	6 h	12 h
40 and above	12 min	4 h	8 h

TECHNICAL INFORMATION



ALLOWABLE LOADS - UNCRACKED CONCRETE, THREADED ROD, HAMMER DRILL - PURE150-PRO

C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

 $\gamma_F = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M8	10	9	60	160	10	9.0	13.8	8.4	8.4
M10	12	12	60	200	20	9.3	21.9	13.1	13.1
M12	14	14	70	240	40	11.7	31.9	19.3	19.3
M16	18	18	80	320	80	14.3	59.5	34.3	35.8
M20	24	22	90	400	120	14.6	93.3	41.0	56.0
M24	28	26	96	480	160	16.1	134.3	45.1	80.6
M27	32	30	108	540	180	19.2	175.0	53.9	105.0
M30	35	33	120	600	200	22.5	213.6	63.1	128.1

ALLOWABLE LOADS - CRACKED CONCRETE, THREADED ROD, HAMMER DRILL - PURE150-PRO

C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

 $\gamma_F = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M12	14	14	70	240	40	7.9	25.1	18.8	19.3
M16	18	18	80	320	80	10.2	41.5	24.5	35.8
M20	24	22	90	400	120	10.5	51.3	29.3	56.0
M24	28	26	96	480	160	11.5	67.7	32.2	80.6
M27	32	30	108	540	180	13.7	85.7	38.5	105.0
M30	35	33	120	600	200	16.1	105.8	45.1	128.1

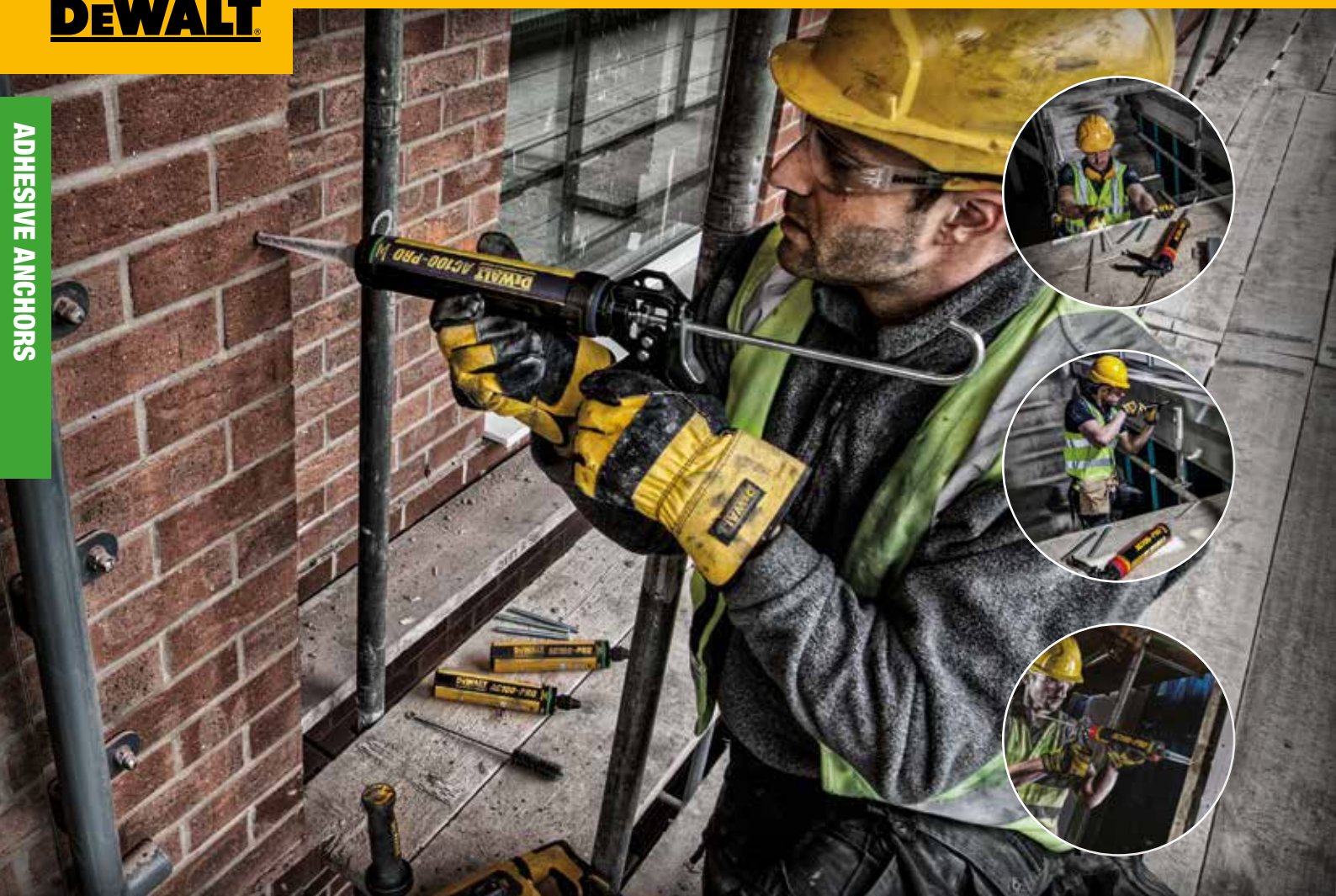
ALLOWABLE LOADS - UNCRACKED CONCRETE, DIAMOND CORING - PURE150-PRO

C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

 $\gamma_F = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M10	12	12	60	200	20	9.9	21.9	13.1	13.1
M12	14	14	70	240	40	10.5	31.9	19.3	19.3
M16	18	18	80	320	80	14.3	59.5	34.3	35.8
M20	24	22	90	400	120	17.1	93.3	41.0	56.0
M24	28	26	96	480	160	18.8	129.3	45.1	80.6



AC100-PRO VINYLESTER ANCHOR

APPROVED FOR ALMOST ANY APPLICATION.

The AC100-PRO is a two-component vinylester adhesive anchor and is approved for almost all applications and base materials.

It provides consistent performance in uncracked and cracked concrete with a wide range of hole diameters and embedment depths as well as flexible fixture thicknesses and a simple installation process.

FOR CONCRETE

- ETAG 001 approved (ETA Option 1) for use in cracked and uncracked concrete

FOR MASONRY

- ETAG 029 approved for use in solid and hollow brick

FOR POST-INSTALLED REBAR

- ETA and National German Approval

FOR SEISMIC LOADING

- Seismic loading approval according to category C1

FOR EXTREME COLD TEMPERATURES

- AC100-PRO Nordic suitable for use at -20°C

FLEXIBILITY BUILT-IN.

The AC100-PRO is approved for a temperature range of up to 120°C and can even be used in water filled holes. It also provides a fast curing time and high load capacity making it the ideal adhesive anchor for use on-site.

- Approved for water filled drill holes (Option 1 up to drill hole diameter $d_0 \leq 18$ mm)
- Approved for overhead applications (Option 1/PI Rebar M8 - M16)
- Installation down to -10°C
- Mixing nozzle included
- Suitable for use in rotary hammer drilled holes

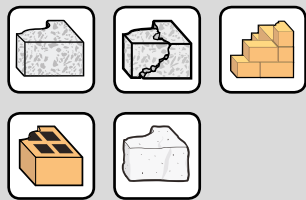


18 months shelf life
(12 months for 300ml)

The system also includes an extensive range of accessories including mixing nozzles, dispensing tools, brushes and threaded rods - see pages 114-117.

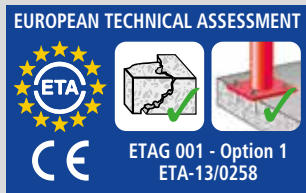
AC100-PRO VINYLESTER ANCHOR

MATERIALS



See front cover foldout for details.

APPROVALS

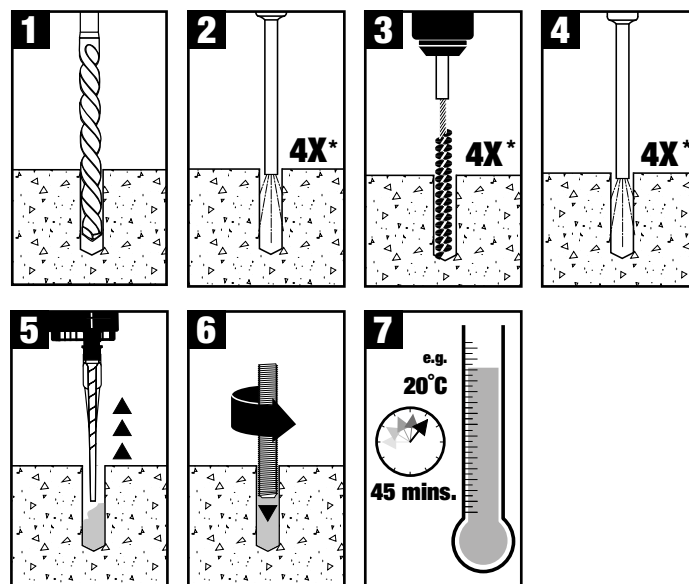


PRODUCT OVERVIEW



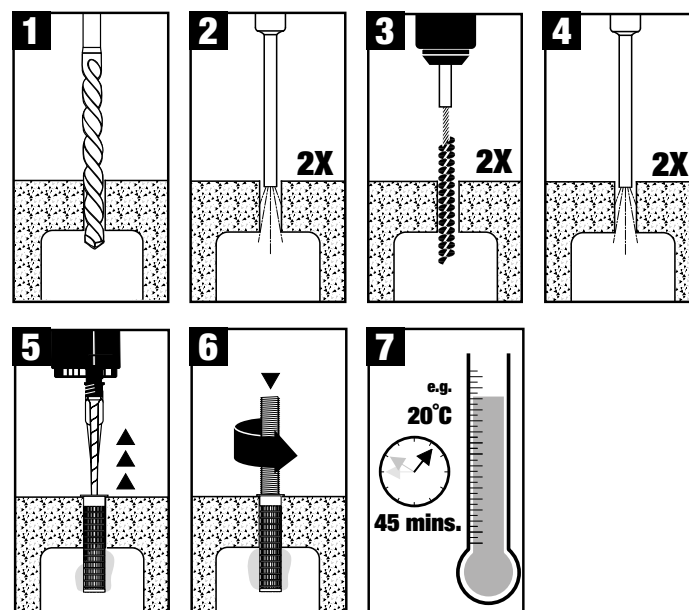
Cat No.		Cartridge Size [ml]	Box	Blister Pack	Pack Qty
DFC1230050	•	300ML	•		1
DFC1230100	•	360ML	•		1
DFC1230000	•	410ML	•		1

INSTALLATION INSTRUCTIONS - CONCRETE AND SOLID BRICK / MASONRY



* 2X for solid brick.

INSTALLATION INSTRUCTIONS - HOLLOW BRICKS, WITH SLEEVE

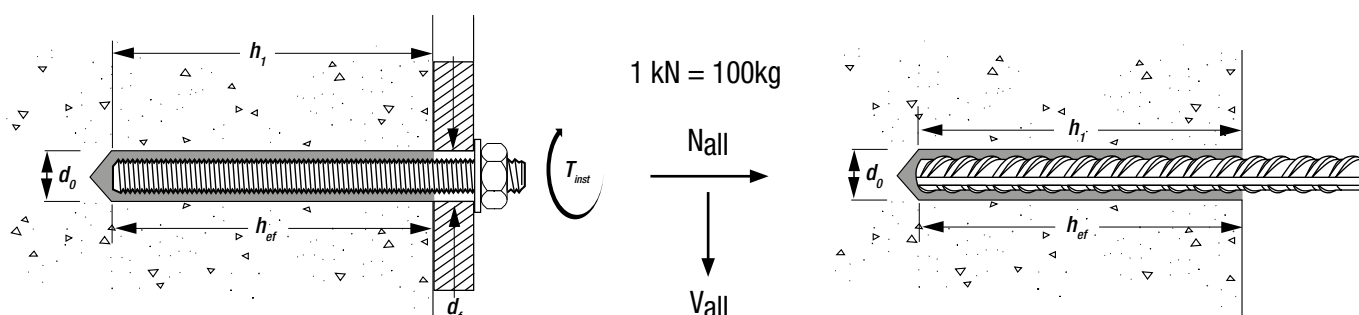


AC100-PRO VINYLESTER ANCHOR

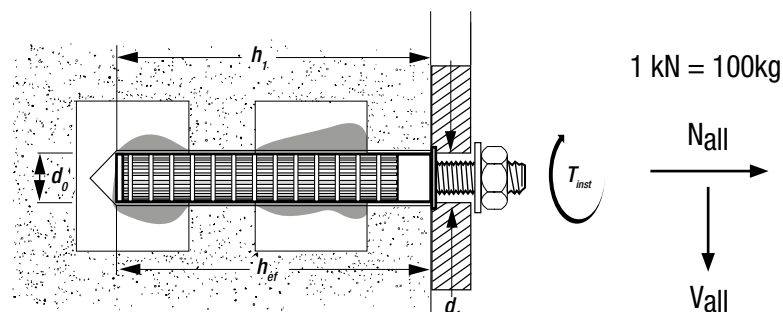
SETTING TIMES

TEMP °C	SET GEL	SET DRY	SET WET
-10 to -4	90 min	24 h	48 h
-5 to -1	90 min	14 h	28 h
0 to 4	45 min	7 h	14 h
5 to 9	25 min	2 h	4 h
10 to 19	15 min	80 min	160 min
20 to 29	6 min	45 min	90 min
30 to 34	4 min	25 min	50 min
35 to 39	2 min	20 min	40 min
40 and above	1,5 min	15 min	30 min

TECHNICAL INFORMATION - THREADED ROD WITHOUT SLEEVE AND REBAR



TECHNICAL INFORMATION - THREADED ROD WITH SLEEVE


XLR

SDS-max®
CARBIDE DRILL BITS
 FOR FAST INSTALLATION
 FROM 16-42 MM DIAMETER

XR FLEXVOLT

DCH481
54V XR
FLEXVOLT
SDS-max®
HAMMER



See page 6 for more information

AC100-PRO VINYLESTER ANCHOR



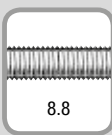
ALLOWABLE LOADS - UNCRACKED CONCRETE, THREADED ROD - AC100-PRO



C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_F = 1.4$



8.8

40°C short term, 24°C long term

Size	d ₀ [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M8	10	9	60	160	10	7.9	13.8	8.4	8.4
M10	12	12	60	200	20	9.3	21.9	13.1	13.1
M12	14	14	70	240	40	11.7	31.9	19.3	19.3
M16	18	18	80	320	80	14.3	59.7	34.3	35.8
M20	24	22	90	400	120	17.1	93.3	41.0	56.0
M24	28	26	96	480	160	18.8	134.3	45.1	80.6
M27	32	30	108	540	180	22.4	175.0	53.9	105.0
M30	35	33	120	600	200	26.3	213.2	63.1	128.0

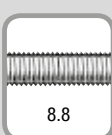


ALLOWABLE LOADS - CRACKED CONCRETE, THREADED ROD - AC100-PRO



$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$

$\gamma_F = 1.4$



8.8

40°C short term, 24°C long term

Size	d ₀ [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M8	10	9	60	160	10	2.9	7.7	5.7	8.4
M10	12	12	60	200	20	3.6	12.5	9.0	13.1
M12	14	14	70	240	40	5.8	19.7	13.8	19.3
M16	18	18	80	320	80	8.8	35.1	21.1	35.8
M20	24	22	90	400	120	12.2	54.9	29.3	56.0
M24	28	26	96	480	160	13.4	79.0	32.2	80.6
M27	32	30	108	540	180	16.0	118.1	38.5	105.0
M30	35	33	120	600	200	18.8	145.9	45.1	128.0

AC100-PRO NORDIC VINYLESTER ANCHOR

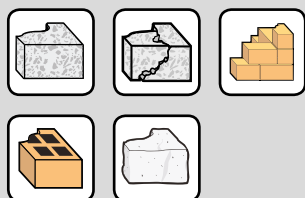
NEW

DESCRIPTION

- Formulation specifically designed for use in extreme cold, down to -20°C
- Stays easy to dispense even at low temperatures
- Suitable for water filled drill holes and overhead applications
- Ideal for threaded rods
- Includes mixing nozzle

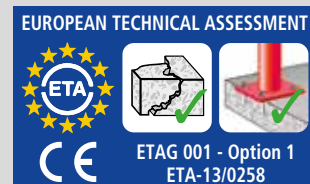
18 MONTHS
18 months shelf life

MATERIALS



See front cover foldout for details.

APPROVALS

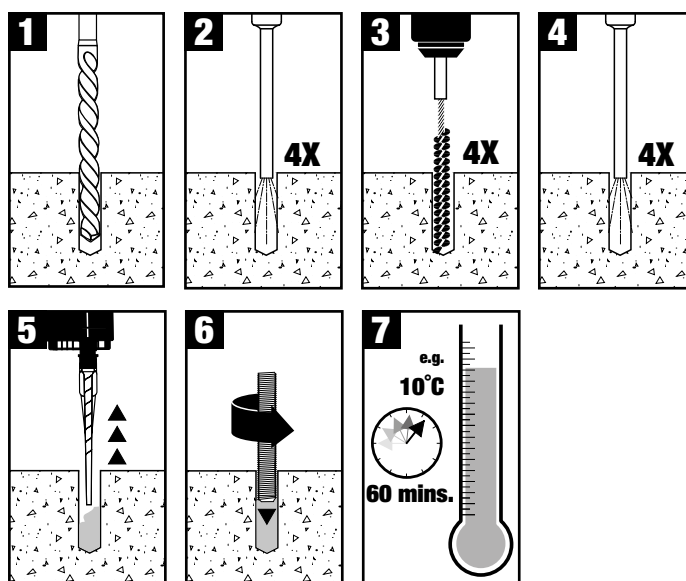


PRODUCT OVERVIEW



Cat No.	Cartridge Size [ml]	Box	Blister Pack	Pack Qty
DFC1250000	410	•		1

INSTALLATION INSTRUCTIONS - CONCRETE

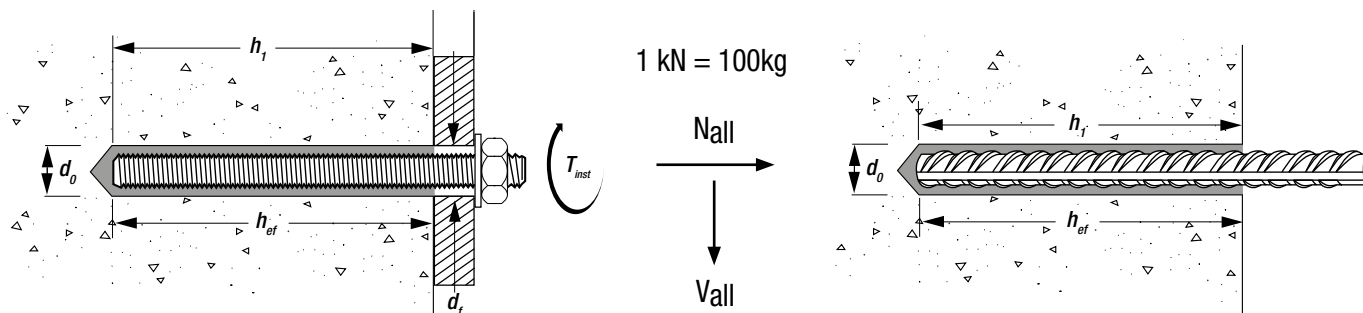


SETTING TIMES

TEMP °C	SET GEL	SET DRY	SET WET
-20 to -16	75 min	24 h	48 h
-15 to -11	55 min	16 h	32 h
-10 to -6	35 min	10 h	20 h
-5 to -1	20 min	5 h	10 h
0 to 4	10 min	150 min	5 h
0 to 9	6 min	80 min	160 min
+10 and above	6 min	60 min	120 min

AC100-PRO NORDIC VINYLESTER ANCHOR

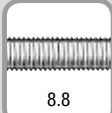
TECHNICAL INFORMATION - THREADED ROD WITHOUT SLEEVE AND REBAR



ALLOWABLE LOADS - UNCRACKED CONCRETE, THREADED ROD - AC100-PRO NORDIC

 C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

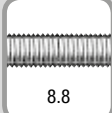
 $\gamma_F = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M8	10	9	60	160	10	7.9	13.8	8.4	8.4
M10	12	12	60	200	20	9.3	21.9	13.1	13.1
M12	14	14	70	240	40	11.7	31.9	19.3	19.3
M16	18	18	80	320	80	14.3	59.7	34.3	35.8
M20	24	22	90	400	120	17.1	93.3	41.0	56.0
M24	28	26	96	480	160	18.8	134.3	45.1	80.6
M27	32	30	108	540	180	22.4	175.0	53.9	105.0
M30	35	33	120	600	200	26.3	213.2	63.1	128.0

ALLOWABLE LOADS - CRACKED CONCRETE, THREADED ROD - AC100-PRO NORDIC

 C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

 $\gamma_F = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm]		T _{inst} [Nm]	N _{all} [kN]		V _{all} [kN]	
			min	max		min	max	min	max
M8	10	9	60	160	10	2.9	7.7	5.7	8.4
M10	12	12	60	200	20	3.6	12.5	9.0	13.1
M12	14	14	70	240	40	5.8	19.7	13.8	19.3
M16	18	18	80	320	80	8.8	35.1	21.1	35.8
M20	24	22	90	400	120	12.2	54.9	29.3	56.0
M24	28	26	96	480	160	13.4	79.0	32.2	80.6
M27	32	30	108	540	180	16.0	118.1	38.5	105.0
M30	35	33	120	600	200	18.8	145.9	45.1	128.0

XLR®

SDS-max®
CARBIDE DRILL BITS
 FOR FAST INSTALLATION
 FROM 16-42 MM DIAMETER

XR FLEX VOLT®

DCH481
54V XR
FLEXVOLT
SDS-max®
HAMMER



See page 6 for more information

PV45-PRO STYRENE-FREE ADHESIVE ANCHOR

DESCRIPTION

- ETA approved for uncracked concrete, solid and hollow brick
- Quick curing
- Styrene free low odour formulation
- Ideal for threaded rods
- Includes mixing nozzle
- Suitable for indoor / dry environments



9 months shelf life

MATERIALS



See front cover foldout for details.

APPROVALS

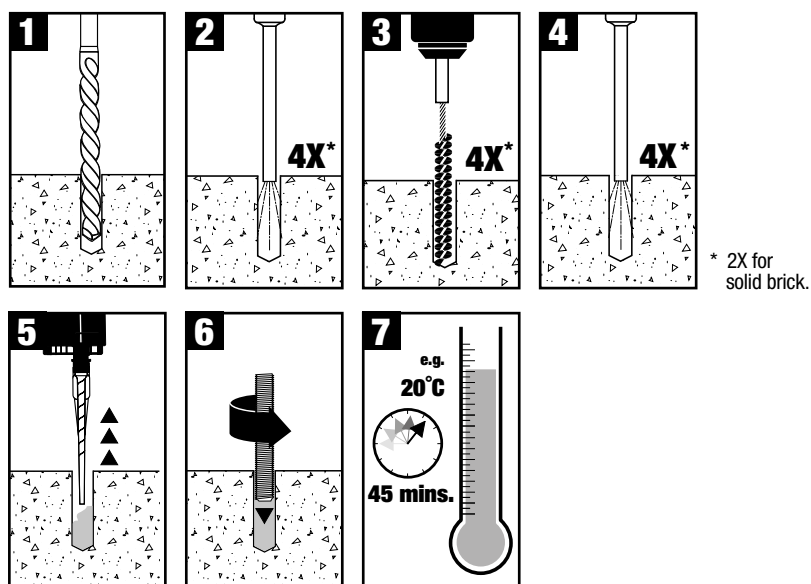


PRODUCT OVERVIEW

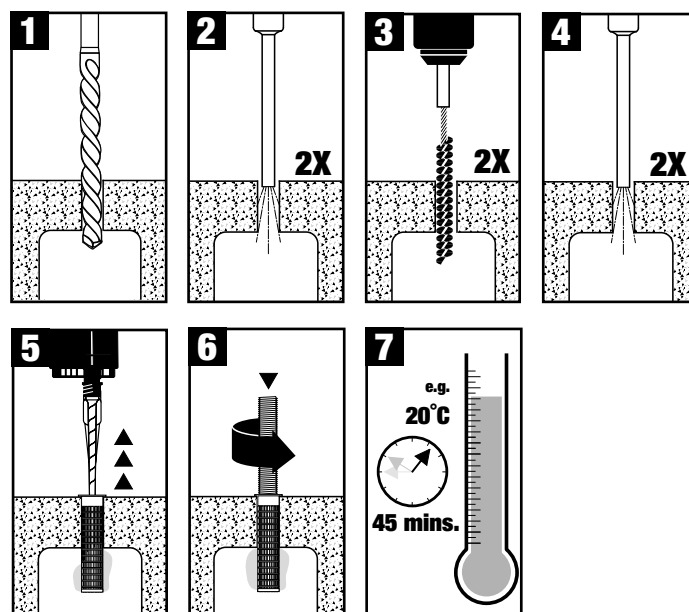


Cat No.		Cartridge Size [ml]	Box	Blister Pack	Pack Qty
DFC1320000	•	300	•		1

INSTALLATION INSTRUCTIONS - CONCRETE AND SOLID BRICK / MASONRY



INSTALLATION INSTRUCTIONS - HOLLOW BRICKS, WITH SLEEVE

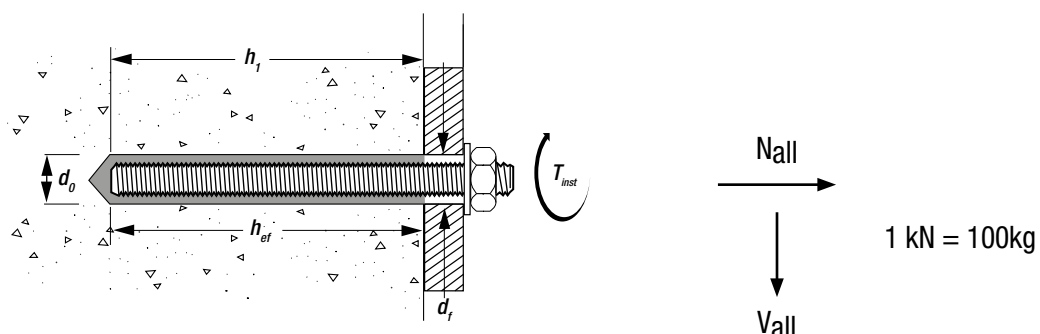


PV45-PRO STYRENE-FREE ADHESIVE ANCHOR

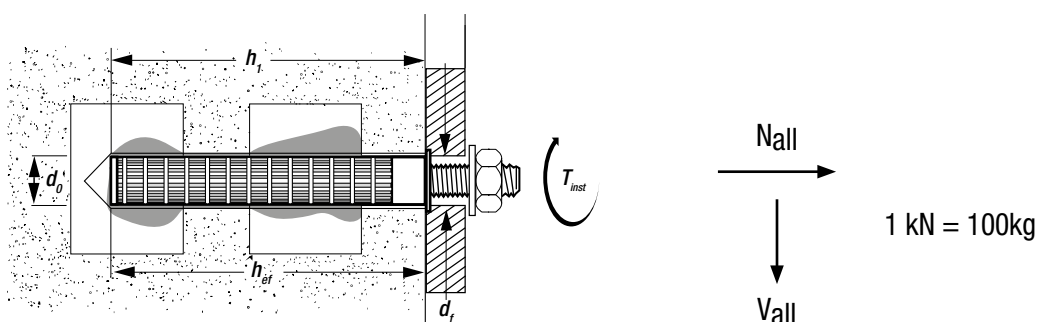
SETTING TIMES

TEMP °C	SET GEL	SET DRY
- 5 to -1	90 min	360 min
0 to 4	45 min	180 min
5 to 9	25 min	120 min
10 to 14	20 min	100 min
15 to 19	15 min	80 min
20 to 29	6 min	45 min
30 to 34	4 min	25 min
35 to 39	2 min	20 min

TECHNICAL INFORMATION - THREADED ROD WITHOUT SLEEVE



TECHNICAL INFORMATION - THREADED ROD WITH SLEEVE



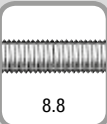
ALLOWABLE LOADS - UNCRACKED CONCRETE - PV45-PRO



C20/25

$$\frac{N_{Pk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

$\gamma_f = 1.4$



8.8

40°C short term, 24°C long term

Size	d_o [mm]	d_f [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{all} [kN]	V_{all} [kN]
M8	10	10	80	10	6.3	8.6
M10	12	12	90	20	13.9	13.1
M12	14	14	110	40	13.9	19.4
M16	18	18	125	60	19.8	36.0
M20	24	24	170	120	29.8	56.0
M24	28	28	210	150	37.7	80.6

SC-PRO SPINNING ADHESIVE CAPSULES

DESCRIPTION

- ETA option 7 approval for uncracked concrete
- For use in combination with chisel point threaded rods
- Amount of mortar is exactly fitted to the drill hole diameter and hole depth

18 MONTHS
18 months shelf life

MATERIALS



See front cover foldout for details.

APPROVALS

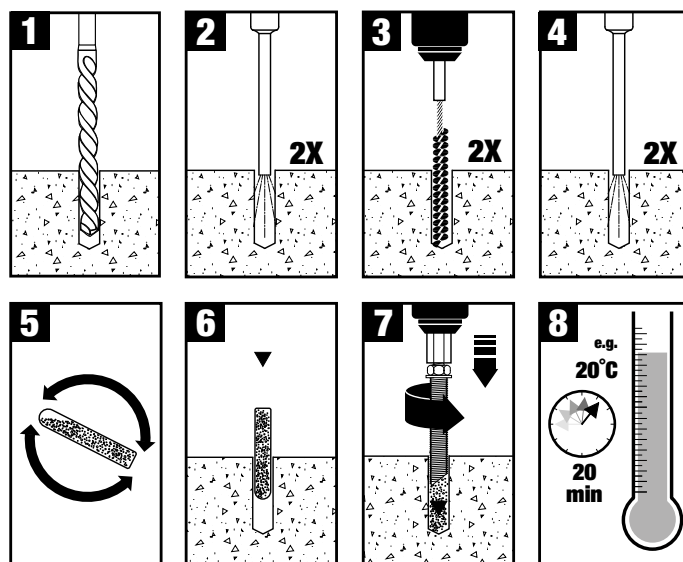


PRODUCT OVERVIEW



Cat No.						Pack Qty
DFC1510000	•	10	M8	•		10
DFC1510050	•	12	M10	•		10
DFC1510100	•	14	M12	•		10
DFC1510150	•	18	M16	•		10

INSTALLATION INSTRUCTIONS

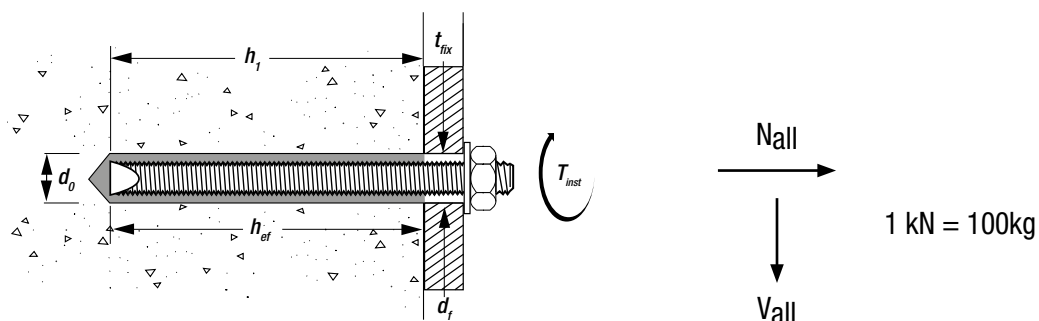


SETTING TIMES

TEMP °C	SET DRY	SET WET
> -5	5 h	10 h
> +5	60 min	120 min
> +20	20 min	40 min
> +30	10 min	20 min

SC-PRO SPINNING ADHESIVE CAPSULES

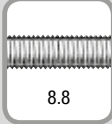
TECHNICAL INFORMATION



ALLOWABLE LOADS - UNCRACKED CONCRETE - SC-PRO

 C20/25

$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{all}$$

 $\gamma_f = 1.4$
 8.8
 40°C short term, 24°C long term

Size	d _o [mm]	d _f [mm]	h _{ef} [mm] min	T _{inst} [Nm]	N _{all} [kN] min	V _{all} [kN] min
M8	10	9	80	10	11.5	8.6
M10	12	12	90	20	16.2	13.1
M12	14	14	110	40	23.7	19.4
M16	18	18	125	80	33.6	36.0

XLR[®]

SDS-plus[®]
CARBIDE DRILL BITS
 FOR FAST INSTALLATION
 FROM 5-14 MM DIAMETER



XR FLEXVOLT[®]

DCH334
54V XR
FLEXVOLT
SDS-plus[®]
HAMMER



See page 6 for more information

ADHESIVE ANCHOR ACCESSORIES



PROFESSIONAL ACCESSORIES FOR DeWALT® ADHESIVE ANCHORS

Includes nozzles, brushes, sleeves and threaded rods, all manufactured to the same high standards to ensure a quality fixing.

DESCRIPTION

- A range of dispensing tools for use with DeWALT® adhesive anchors
- Suitable for use with cartridges from 300ml to 585ml

DISPENSING TOOLS



DFC1610000



DFC1610050



DFC1610100



DFC1610150



DFC1610350



DFC1630050

Cat No.	Type	 Cartridge Size [ml]	 Box	 Blister Pack	Pack Qty
DFC1610000	Manual	300	•		1
DFC1610050	Manual	360	•		1
DFC1610100	Manual	410	•		1
DFC1610150	Heavy Duty Manual	410	•		1
DFC1610350	Manual	585	•		1
DFC1630050	Pneumatic	585	•		1

DESCRIPTION

- White 18 element nozzle for use with PURE150-PRO
- Black 14 element nozzle for use with AC100-PRO, PV45-PRO and AC100-PRO NORDIC

MIXING NOZZLES



DFC1640350



DFC1640450

Cat No.	Description	 Box	 Blister Pack	Pack Qty
DFC1640350	White - PURE150-PRO	•		10
DFC1640450	Black - AC100-PRO, PV45-PRO, AC100-PRO NORDIC	•		10

DESCRIPTION

- 200-1000mm extensions for use with mixing nozzles

EXTENSION NOZZLES



Cat No.	 Length [mm]	 Box	 Blister Pack	Pack Qty
DFC1640500	200	•		10
DFC1640200	500	•		10
DFC1640250	1000	•		10

ADHESIVE ANCHOR ACCESSORIES

DESCRIPTION

- Manual blow pump for clearance of debris and dust from drilled holes

BLOW PUMP



Cat No.	Description	Box	Blister Pack	Pack Qty
DFC1650050	DeWALT® Blow Pump	•		1

DESCRIPTION

- Nylon brush for quick cleaning of drilled holes
- Not suitable for ETA approved applications

BRUSHES

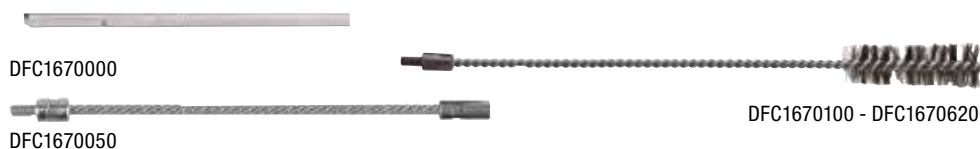


Cat No.	Drill Dia. [mm]	Box	Blister Pack	Pack Qty
DFC1660000	8-10	•		1
DFC1660050	10-14	•		1
DFC1660100	16-28	•		1

DESCRIPTION

- Steel brushes and extensions for installation of ETA approved adhesive anchors

STEEL BRUSHES AND SDS EXTENSIONS



Cat No.	Length [mm]	Brush Dia. [mm]	Drill Dia. [mm]	Rebar Size [mm]	Thread Size [mm]	Box	Blister Pack	Pack Qty
DFC1670000						•		1
DFC1670050	300					•		1
DFC1670100	170	12	10		M8	•		1
DFC1670150	170	14	12	Ø8	M10	•		1
DFC1670200	200	16	14	Ø10	M12	•		1
DFC1670250	200	18	16	Ø12	M16	•		1
DFC1670300	300	20	18	Ø14	M16	•		1
DFC1670350	300	22	20	Ø16		•		1
DFC1670400	300	26	24 /25	Ø20	M20	•		1
DFC1670450	300	30	28		M24	•		1
DFC1670500	300	34	32	Ø25	M27	•		1
DFC1670550	300	37	35	Ø28	M30	•		1
DFC1670600	300	39	37	Ø32		•		1
DFC1670605	300	42	40	Ø34		•		1
DFC1670610	300	47	45	Ø36		•		1
DFC1670615	300	54	52*	Ø40		•		1
DFC1670620	300	57	55	Ø40		•		1

* Core drill bit

ADHESIVE ANCHOR ACCESSORIES

DESCRIPTION

- Plugs available for 10-32mm diameter rebar and for threaded rods (see table)

STANDARD PISTON PLUGS



Cat No.	 Drill Dia. [mm]	 Rebar Size [mm]	 Thread Size [mm]	 Box	 Blister Pack	Pack Qty
DFC1690000	14	Ø10	M12	•		10
DFC1690050	16	Ø12		•		10
DFC1690150	20	Ø16		•		10
DFC1690250	24-25	Ø20	M20	•		10
DFC1690300	27-29		M24	•		10
DFC1690350	32	Ø25	M27	•		10
DFC1690400	35-37	Ø28-32	M30	•		10

DESCRIPTION

- Plastic for using adhesive anchors in hollow base materials

PLASTIC SLEEVES



Cat No.	 Length [mm]	 Drill Dia. [mm]	 Diameter [mm]	 Thread Size [mm]	 Box	 Blister Pack	Pack Qty
DFC4710000	80	12	12	M6 - M8	•		10
DFC4710050	85	16	16	M8 - M10	•		10
DFC4710100	85	20	20	M12 - M16	•		10
DFC4710150	130	16	16	M8 - M10	•		10
DFC4710200	130	20	20	M12 - M16	•		10
DFC4710250	200	20	20	M12 - M16	•		10

DESCRIPTION

- Mesh sleeves for using adhesive anchors in hollow base materials

MESH SLEEVES



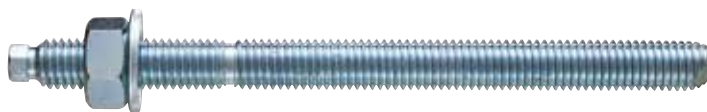
Cat No.	 Length [mm]	 Drill Dia. [mm]	 Diameter [mm]	 Thread Size [mm]	 Box	 Blister Pack	Pack Qty
DFC4730000	1000	12	11	M6	•		1000
DFC4730050	1000	16	15	M8-M10	•		1000
DFC4730100	1000	22	20	M12-M16	•		1000

ADHESIVE ANCHOR ACCESSORIES

DESCRIPTION

- Chisel point rods with zinc plated finish
- Suitable for SC-PRO Spinning capsules
- Includes hex head installation tool

CHISEL POINT THREADED ROD - ZINC PLATED CLASS 5.8 STEEL

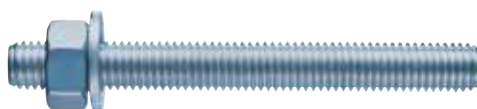


Cat No.	 Length [mm]	 Drill Dia. [mm]	 Thread Size [mm]	 Box	 Blister Pack	Pack Qty
DFC4130000	110	10	M8	•		10
DFC4130050	130	12	M10	•		10
DFC4130100	160	14	M12	•		10
DFC4130150	190	18	M16	•		10

DESCRIPTION

- Straight cut threaded rods
- Suitable for all adhesive cartridge systems

STRAIGHT CUT THREADED ROD - ZINC PLATED CLASS 5.8 STEEL



Cat No.	 Length [mm]	 Drill Dia. [mm]	 Thread Size [mm]	 Box	 Blister Pack	Pack Qty
DFC4130300	110	10	M8	•		10
DFC4130350	140	12	M10	•		10
DFC4130450	165	14	M12	•		25
DFC4130600	190	18	M16	•		10
DFC4130700	260	24	M20	•		5

**DIRECT
FASTENING**



TOOL TECHNOLOGY

The **DeWALT®** XR battery cordless, gas cordless and powder actuated fastening systems include nailers, accessories and fasteners that can drive into the hardest of materials.

Whether you choose battery, gas or powder actuated, the tools offer flexibility and ease of use so you can get the job done quickly and professionally, and are ideal for timber to concrete, heavy duty steel to steel or steel to concrete applications.

XR BATTERY CORDLESS

BRUSHLESS - quick startup and extreme runtime.

Batteries fully compatible with other XR tools.

RELIABILITY - require less cleaning and servicing and have no issues operating at low temperatures.

SAFETY - no need for explosive gas canisters on site.



XR
BRUSHLESS



GAS CORDLESS

PRODUCTIVITY - highly portable and ideal for general use.

Fuel cells can be changed quickly for minimal downtime.

Battery run time of up to 5000 shots.

POWDER ACTUATED

POWER - high power fixing with high quality, hardened steel fasteners.

DeWALT® Powder loads are colour coded according to their ability to penetrate base materials.

FLEXIBLE - P3X can be changed easily from a single shot to magazine-fed.

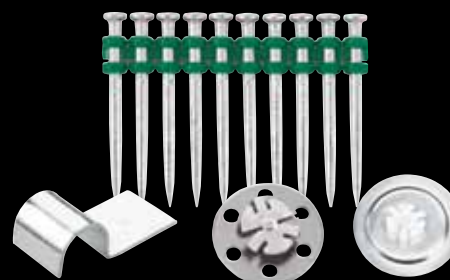


FASTENING OPTIONS

The **DeWALT®** Direct Entry fastener range includes a wide selection of nails, clips and washers, specifically designed for a wide variety of on-site applications.

The extensive range of nails includes three collated nail types: standard, high density (HD) and extra hard (XH). All three types are available both with and without gas.

Clips and washers include conduit clips, washers, cable ties and washers; see pages 134-135 for more details





DCN890 18V XR CORDLESS CONCRETE NAILER

FAST, POWERFUL CONCRETE NAILING FOR TRACKING AND CLIPS UP TO 57MM

The **DCN890** concrete nailer has a nail range of 13mm to 57mm and can drive into both steel and concrete.

Fully compatible with the **DeWALT® XR 18V platform**, the 5.0Ah 18 volt lithium ion battery delivers high performance, long life and maximum runtime. It is also more reliable than gas tools, with less cleaning and servicing, and the battery can work at lower temperatures with more consistent power delivery.

The brushless motor reduces tool size whilst maximizing power delivery and the specially designed compact drive components give quick acceleration to fire the first nail.

The system includes 3 specifically designed nose pieces: DCN8902 (magnetic) and DCN8903 (non-magnetic) for clips; DCN8904 (drywall) for tracking. It also includes the DCN8905 extension pole for fastening into ceilings and hard to reach areas.

- Nail range includes standard for concrete, HD for high shear loads and XH for extra hard concrete and steel (13mm only).
- Single or RapidCycle™ mode for fast, repeated nailing.
- Tool-free design for fast adjustments and easy stall and jam release.

Description	DCN890
Battery Type / Capacity	18V XR Li-Ion / 5.0Ah
Weight (excl. / inc. battery)	4.2 kg / 4.8 kg
Trigger Type	Single or RapidCycle™
Magazine Capacity	30
Fastener type	15° Plastic Collated Nails
Fastener range	13-57mm

DCN890 CONCRETE NAILER

APPLICATIONS

- Drywall steel track installation to concrete, block and steel.
- Drywall tracks with deflection heads
- Wire Mesh fixing with 25mm lathing washers
- Fixing clips and clamps for electricians and plumbers
- Furring strips to concrete and block
- Various clips to concrete

MATERIALS



See front cover foldout for details.

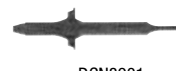
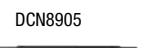
APPROVALS



(DCN8990 Tool only)

18V XR CORDLESS CONCRETE NAILER TOOL AND ACCESSORIES

NEW



Cat No.	Description	Box	Kit Box / Case	Pack Qty
DCN890P2	18V XR Cordless Concrete Nailer Kit*		•	1
DCN890N	18V XR Cordless Concrete Nailer**	•		1
DCN8901	DCN890 Replacement Driver Blade	•		1
DCN8902	DCN890 Magnetic Nose Piece	•		1
DCN8903	DCN890 Nose Piece	•		1
DCN8904	DCN890 Drywall Nose Piece	•		1
DCN8905	DCN890 Extension Pole	•		1

*Includes nailer, 2 x 5.0Ah batteries, charger, kitbox, DCN8903 tip and DCN8904 tip. **Includes nailer and DCN8904 tip only.

DCN890 CONCRETE NAILS

NEW



Standard Nails



XH Extra Hard Nails



HD High Density Nails

Cat No.	Nail Type	Length [mm]	Diameter [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DCN8901015	Standard	15	2.6	6.3	•		1005
DCN8901020	Standard	20	2.6	6.3	•		1005
DCN8901025	Standard	25	2.6	6.3	•		1005
DCN8901030	Standard	30	2.6	6.3	•		1005
DCN8901035	Standard	35	2.6	6.3	•		1005
DCN8901040	Standard	40	2.6	6.3	•		1005
DCN8901045	Standard	45	2.6	6.3	•		510
DCN8901050	Standard	50	2.6	6.3	•		510
DCN8901055	Standard	55	2.6	6.3	•		510
DCN8901057	Standard	57	2.6	6.3	•		510
DCN8903013	XH	13	3	6.3	•		1000
DCN8903017	XH	17	3	6.3	•		1005
DCN8903022	XH	22	3	6.3	•		1005
DCN8903027	XH	27	3	6.3	•		1005
DCN8903032	XH	32	3	6.3	•		1005
DCN8903038	XH	38	3	6.3	•		1005
DCN8903043	XH	43	3	6.3	•		510
DCN8903048	XH	48	3	6.3	•		510
DCN8903053	XH	53	3	6.3	•		510
DCN8903057	XH	57	3	6.3	•		510
DCN8902015	HD	15	3.7	6.3	•		1005
DCN8902020	HD	20	3.7	6.3	•		1005
DCN8902025	HD	25	3.7	6.3	•		1005

FOR THE FULL RANGE OF CLIPS, WASHERS AND TIES, SEE PAGES 134-135

C5 TRAK-IT® TOOL

DESCRIPTION

- The C5 Trak-It® tool is a powerful gas nailer designed for driving nails into a wide range of substrates including steel, concrete, brick and hollow brick
- Ideal for metal track installation as well as second fix nailing including conduit clips and fittings.
- The lightest and smallest tool in its class
- Less operator fatigue with a better overall ergonomic feel and extreme manoeuvrability
- Power output of 105 Joules for shooting into even the hardest concrete
- Smart fan – ventilator time computer adjusted to tool and environmental temperature
- Metal mesh suction filter provides highly effective dust protection
- ETA approved for XH nails from 22-38mm in concrete applications

APPLICATIONS

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- General construction applications

MATERIALS



See front cover foldout for details.

APPROVALS



C5 TRAK-IT® TOOLS



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF5110500	C5 Trak-It® Kit - Long Track	•		1
DDF5110500-GB	C5 Trak-It® Kit - Long Track GB	•		1
DDF5120550	C5 Trak-It® Kit - Short Track	•		1
DDF5120550-GB	C5 Trak-It® Kit - Short Track GB	•		1
DDF5150500	C5 Replacement Magazine - Long Track	•		1
DDF5150550	C5 Replacement Magazine - Short Track	•		1

C3, C4 AND C5 TRAK-IT® GAS AND ACCESSORIES



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF5330000	C3 Blue Trak-It® Gas Can	•		1
DDF6755218	C4 Trak-It® Gas Canister	•		1
DDF5140500	C5 Trak-It® Gas Canister	•		1
DDF5610500	C3/C4/C5/W3 Battery	•		1
DDF5610510-GB	C3/C5/C4/W3 220V Adaptor Cord	•		1
DDF5610510	C3/C5/C4/W3 220V Adaptor Cord EU	•		1
DDF5610520	C3/C4/C5/W3 Charger Cord	•		1

FOR THE FULL RANGE OF CLIPS, WASHERS AND TIES, SEE PAGES 134-135

C5 NAILS

DESCRIPTION

- Nails are available both with or without gas (see next page)

STANDARD NAILS:

- Zinc plated nails from 15-40mm

XH NAILS:

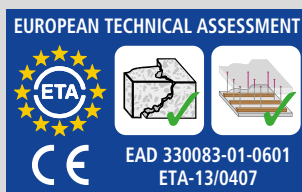
- Special zinc plated nails for very hard concrete
- High performance stepshank design for optimal penetration

APPLICATIONS

General heavy duty construction applications including:

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- Prefabricated materials

APPROVALS



C5 NAILS (NO GAS)



Standard Nails



XH Extra Hard Nails

Cat No.	Nail Type			Length [mm]	Diameter [mm]	Head Size [mm]			Pack Qty
DDF6500015	Standard			15	2.6	6.3	•		700
DDF6500020	Standard			20	2.6	6.3	•		700
DDF6500025	Standard			25	2.6	6.3	•		700
DDF6500030	Standard			30	2.6	6.3	•		700
DDF6500035	Standard			35	2.6	6.3	•		700
DDF6500040	Standard			40	2.6	6.3	•		700
DDF6500017	XH			17	3	6.3	•		700
DDF6500022	XH	•		22	3	6.3	•		700
DDF6500027	XH	•		27	3	6.3	•		700
DDF6300032	XH	•		32	3	6.3	•		700
DDF6300038	XH	•		38	3	6.3	•		700

C5 NAILS WITH GAS

DESCRIPTION

- Nails supplied with 1 gas cell per box

STANDARD NAILS:

- Zinc plated nails from 15-40mm

XH NAILS:

- Special zinc plated nails for very hard concrete
- High performance stepshank design for optimal penetration

C5 NAILS (WITH GAS)



Standard Nails



XH Extra Hard Nails



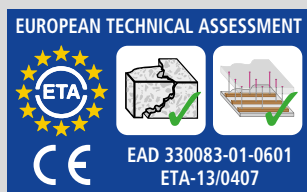
Cat No.	Nail Type		Length [mm]	Diameter [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DDF6510015	Standard		15	2.6	6.3	•		700+1
DDF6510020	Standard		20	2.6	6.3	•		700+1
DDF6510025	Standard		25	2.6	6.3	•		700+1
DDF6510030	Standard		30	2.6	6.3	•		700+1
DDF6510035	Standard		35	2.6	6.3	•		700+1
DDF6510040	Standard		40	2.6	6.3	•		700+1
DDF6510017	XH		17	3	6.3	•		700+1
DDF6510022	XH	•	22	3	6.3	•		700+1
DDF6510027	XH	•	27	3	6.3	•		700+1
DDF6510032	XH	•	32	3	6.3	•		700+1
DDF6510038	XH	•	38	3	6.3	•		700+1

APPLICATIONS

General heavy duty construction applications including:

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- Prefabricated materials

APPROVALS



C4 NAILS

DESCRIPTION

- Nails are available both with or without gas (see next page)

STANDARD NAILS:

- Zinc plated nails from 20-65mm

XH NAILS:

- Special zinc plated nails for very hard concrete
- High performance stepshank design for optimal penetration

HD NAILS:

- Designed specifically for extreme shear loads

APPLICATIONS

General heavy duty construction applications including:

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- Prefabricated materials

C4 NAILS (NO GAS)



Standard Nails



XH Extra Hard Nails



HD High Density Nails

Cat No.	Nail Type	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF6500020	Standard	20	2.6	6.3	•		700
DDF6500025	Standard	25	2.6	6.3	•		700
DDF6500030	Standard	30	2.6	6.3	•		700
DDF6500035	Standard	35	2.6	6.3	•		700
DDF6500040	Standard	40	2.6	6.3	•		700
DDF6100045	Standard	45	2.6	6.3	•		700
DDF6100050	Standard	50	2.6	6.3	•		700
DDF6100055	Standard	55	2.6	6.3	•		700
DDF6100060	Standard	60	2.6	6.3	•		700
DDF6100065	Standard	65	2.6	6.3	•		700
DDF6500017	XH	17	3	6.3	•		700
DDF6500022	XH	22	3	6.3	•		700
DDF6500027	XH	27	3	6.3	•		700
DDF6300032	XH	32	3	6.3	•		700
DDF6300038	XH	38	3	6.3	•		700
DDF6200020	HD	20	3.7	6.3	•		700
DDF6200025	HD	25	3.7	6.3	•		700
DDF6200030	HD	30	3.7	6.3	•		700
DDF6200035	HD	35	3.7	6.3	•		700
DDF6200040	HD	40	3.7	6.3	•		700
DDF6200045	HD	45	3.7	6.3	•		700
DDF6200050	HD	50	3.7	6.3	•		700
DDF6200055	HD	55	3.7	6.3	•		700
DDF6200060	HD	60	3.7	6.3	•		700
DDF6200065	HD	65	3.7	6.3	•		700

C4 NAILS WITH GAS

DESCRIPTION

- Nails supplied with 1 gas cell per box

STANDARD NAILS:

- Zinc plated nails from 20-65mm

XH NAILS:

- Special zinc plated nails for very hard concrete
- High performance stepshank design for optimal penetration

HD NAILS:

- Designed specifically for extreme shear loads

APPLICATIONS

General heavy duty construction applications including:

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- Prefabricated materials

C4 NAILS (WITH GAS)



Standard Nails



XH Extra Hard Nails



HD High Density Nails



Cat No.	Nail Type	Length [mm]	Diameter [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DDF6110020	Standard	20	2.6	6.3	•		700+1
DDF6110025	Standard	25	2.6	6.3	•		700+1
DDF6110030	Standard	30	2.6	6.3	•		700+1
DDF6110035	Standard	35	2.6	6.3	•		700+1
DDF6110040	Standard	40	2.6	6.3	•		700+1
DDF6110045	Standard	45	2.6	6.3	•		700+1
DDF6110049	Standard	50	2.6	6.3	•		700+1
DDF6110055	Standard	55	2.6	6.3	•		700+1
DDF6110060	Standard	60	2.6	6.3	•		700+1
DDF6110065	Standard	65	2.6	6.3	•		700+1
DDF6310017	XH	17	3	6.3	•		700+1
DDF6310022	XH	22	3	6.3	•		700+1
DDF6310027	XH	27	3	6.3	•		700+1
DDF6310032	XH	32	3	6.3	•		700+1
DDF6310038	XH	38	3	6.3	•		700+1
DDF6210020	HD	20	3.7	6.3	•		700+1
DDF6210025	HD	25	3.7	6.3	•		700+1
DDF6210030	HD	30	3.7	6.3	•		700+1
DDF6210035	HD	35	3.7	6.3	•		700+1
DDF6210040	HD	40	3.7	6.3	•		700+1
DDF6210045	HD	45	3.7	6.3	•		700+1
DDF6210050	HD	50	3.7	6.3	•		700+1
DDF6210055	HD	55	3.7	6.3	•		700+1
DDF6210060	HD	60	3.7	6.3	•		700+1
DDF6210065	HD	65	3.7	6.3	•		700+1

C3 NAILS

DESCRIPTION

- Nails are available both with or without gas (1 gas cell per box)

STANDARD NAILS:

- Zinc plated nails from 13-38mm

XH NAILS:

- Special zinc plated nails for very hard concrete
- High performance stepshank design for optimal penetration

APPLICATIONS

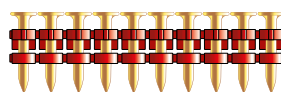
General heavy duty construction applications including:

- Drywall steel track installation on to concrete, block or steel
- Plywood to concrete or block
- Furring strips to concrete or block
- Prefabricated materials

C3 NAILS (NO GAS)



Standard Nails



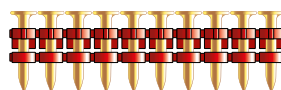
XH Extra Hard Nails

Cat No.	Nail Type	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
N407510	■ Standard	13	2.6	6.3	•		1000
N407514	■ Standard	32	2.6	6.3	•		1000
N407515	■ Standard	38	2.6	6.3	•		1000
N407516	■ XH	17	3	6.3	•		1000
N407517	■ XH	22	3	6.3	•		1000
N407518	■ XH	27	3	6.3	•		1000
DDF6320100	■ XH	22	3	6.3	•		1000
DDF6320170	■ XH	27	3	6.3	•		1000

C3 NAILS (WITH GAS)



Standard Nails



XH Extra Hard Nails



Cat No.	Nail Type	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF6120000	■ Standard	13	2.6	6.3	•		1000+1
DDF6120200	■ Standard	32	2.6	6.3	•		1000+1
DDF6120250	■ Standard	38	2.6	6.3	•		1000+1
DDF6320020	■ XH	17	3	6.3	•		1000+1

CLIPS, WASHERS AND TIES



This range of clips, washers and ties has been specifically designed for a wide variety of on-site applications including the fixing of cable conduit, lathing, steel brackets and wooden battens.

CLIPS, WASHERS AND TIES WITH BOW

	Cat No.	Description	 Diameter [mm]	Tool Compatibility			 Box	 Blister Pack	Pack Qty
				C4	C5	DCN890			
	DDF5260000	Threaded Rod Hanger	6	✓	✓	✓	•		100
	DDF5260010	Double Shot Rod Hanger	10	✓	✓	✓	•		100
	DDF6710016	Conduit Clip	16	✓	✓	✓	•		100
	DDF6710020	Conduit Clip	20	✓	✓	✓	•		100
	DDF6710024	Conduit Clip	24	✓	✓	✓	•		100
	DDF6755315	Conduit Clip Double	24	✓	✓	✓	•		100
	DDF6775320	Conduit Clip Double	28	✓	✓	✓	•		100
	DDF6720050	Cable Tie	27.5	-	✓	✓	•		200
	DDF6750100	Lathing Washer	13	✓	✓	✓	•		100
	DDF6750000	Lathing Washer	25	✓	✓	✓	•		200
	DDF6750050	Insulated Washer	36	✓	✓	✓	•		100
	DDF6750036	Plastic Washer	36	✓	✓	✓	•		500
	DDF6770000	Eye Clip	0	✓	✓	✓	•		100

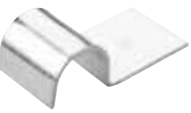


CLIPS, WASHERS AND TIES



*When using the DCN890 concrete nailer with products such as the premium conduit clips, an additional magnetic nose tip will be required (DCN8902).

CLIPS, WASHERS AND TIES

	Cat No.	Description	 Diameter [mm]	Tool Compatibility					Pack Qty
				C4	C5	DCN890			
	DDF4400016	PVC Conduit Clip	16	✓	✓	✓	•		100
	DDF4400020	PVC Conduit Clip	20	✓	✓	✓	•		100
	DDF4400025	PVC Conduit Clip	25	✓	✓	✓	•		100
	DDF4410000	Conduit Clip	16	-	-	✓*	•		100
	DDF4410050	Conduit Clip	19	-	-	✓*	•		100
	DDF6753200	Conduit Clip	20	-	-	✓*	•		100
	DDF6753205	Conduit Clip	22	-	-	✓*	•		100
	DDF4410150	Conduit Clip	25	-	-	✓*	•		100
	DDF4420016	Premium Conduit Clip	16	-	-	✓*	•		100
	DDF4420020	Premium Conduit Clip	20	-	-	✓*	•		100
	DDF4420025	Premium Conduit Clip	25	-	-	✓*	•		100
	DDF6755000	Cable Bow - Single	-	✓	✓	✓	•		50
	DDF6755003	Cable Bow - Double	-	✓	✓	✓	•		35
	DDF6755012	Lathing Washer	25	-	-	✓*	•		100
	DDF6755402	Quick Clip	14-18	✓	✓	-	•		100
	DDF6755404	Quick Clip	20-25	✓	✓	-	•		50
	DDF6755406	Quick Clip	26-32	✓	✓	-	•		50
	DDF6755004	Perfoband x 10m	12	✓	✓	✓	•		1
	DDF6755005	Perfoband x 10m	17	✓	✓	✓	•		1





P3X POWDER ACTUATED TOOL AND ACCESSORIES

EXTRA HIGH-POWERED AUTOMATIC FASTENING TOOL.

The **DeWALT® P3X** tool provides powerful and secure fastening for harder substrates such as steel and concrete.

The low velocity tool uses a piston, driven by a powder charge, which then drives the fastener into the substrate.

P3X powder charges come as sequential discs for quick loading and fast change over. For safety, the tool features a charge load window, allowing the user to check the loading without removing the discs.

For versatility on site, the **P3X** tool features a simple dial for power adjustment - making it easy to match the fastener penetration to the job in hand.

The **P3X** tool comes complete with strip magazine and single shot noses.

- Power adjuster for precise penetration into all base materials

- Fast change magazine - change from single nail to collated nail strips with no tools required
- Auto lock magazine for fast loading of fastener strips
- Adjustable magazine
- Easy maintenance
- **P3X** nails and return spring also suitable for use with other brands of tools
- Sequential disc system with metal cartridges eliminate warping at high temperatures
- The P3X is PTB approved with CE approved powder loads

FASTENER RANGE

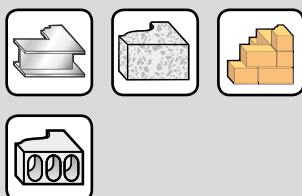
In addition to collated 3.7mm nails from 15 - 60mm length, **DeWALT®** powder actuated fasteners include single drive nails up to 76mm, nails with insulation washers and nails with conduit clips.

P3X POWDER ACTUATED TOOL

APPLICATIONS

- Drywall steel track installation on to concrete, block or steel
- Wood to concrete and steel
- Electrical fittings to concrete
- Formwork
- Double partitions to concrete
- Brick ties
- Composite decking
- Waterproofing
- SFS to structural steel

MATERIALS



See front cover foldout for details.

APPROVALS



POWDER LOADS

CE 0589

P3X POWDER ACTUATED TOOL AND POWDER LOADS



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF2130000	P3X PAT .25 Cal 10mm Disc Tool	•		1

.25 CALIBER 10MM POWDER LOAD DISCS



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF1220100	Yellow medium strength loads (10 per disc)	•		100
DDF1220200	Red high strength loads (10 per disc)	•		100

P3X NAILS



Cat No.	Length [mm]	Diameter [mm]	Head Size [mm]	Box	Blister Pack	Pack Qty
DDF3440000	15	3.7	8.6	•		500+1
DDF3440050	20	3.7	8.6	•		500+1
DDF3440100	25	3.7	8.6	•		500+1
DDF3440150	30	3.7	8.6	•		500+1
DDF3440200	35	3.7	8.6	•		500+1
DDF3440250	40	3.7	8.6	•		300+1
DDF3440300	50	3.7	8.6	•		300+1
DDF3440350	60	3.7	8.6	•		300+1

PA3500 POWDER ACTUATED TOOL

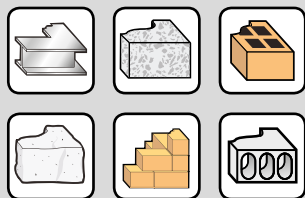
DESCRIPTION

- Powder actuated single shot nailer
- Fires nails and clips from 16-76mm
- Powder loads available in 3 types depending on required power
- Includes depth adjuster for fast changes to fastener penetration

APPLICATIONS

- Conduit clips to concrete
- Wood to concrete and steel
- Electrical fittings to concrete
- Concrete forming

MATERIALS



See front cover foldout for details.

APPROVALS



POWDER LOADS

CE 0589

PA3500 POWDER ACTUATED TOOL AND POWDER LOADS



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF2120400	PA3500 .27 Caliber Strip Tool	•		1

.27 CALIBER POWDER LOAD STRIPS



Cat No.	Description	Box	Blister Pack	Pack Qty
DDF1350000	Green low strength loads (10 per strip)	•		100
DDF1350050	Yellow medium strength loads (10 per strip)	•		100
DDF1350100	Red high strength loads (10 per strip)	•		100

PA3500 / P3X NAILS AND CLIPS

DESCRIPTION

- Ballistic nails suitable for medium duty applications
- Zinc plated
- Also suitable for other brands of tools including:
The Spit® P370 tool
The Hilti® DX460 tool

STANDARD NAILS



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF3010000	16	3.7	7.6	•		100
DDF3000050	19	3.7	7.6	•		100
DDF3000100	25	3.7	7.6	•		100
DDF3000150	27	3.7	7.6	•		100
DDF3000200	32	3.7	7.6	•		100
DDF3000250	38	3.7	7.6	•		100
DDF3000300	44	3.7	7.6	•		100
DDF3000350	51	3.7	7.6	•		100
DDF3000400	57	3.7	7.6	•		100
DDF3000450	64	3.7	7.6	•		100
DDF3000500	70	3.7	7.6	•		100
DDF3000550	76	3.7	7.6	•		100

NAILS WITH WASHERED HEAD



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF3060000	25	3.7	7.6	•		100
DDF3060050	37	3.7	7.6	•		100

PA3500 / P3X NAILS AND CLIPS

DESCRIPTION

- Ballistic nails suitable for medium duty applications
- Zinc plated
- Also suitable for other brands of tools including:
The Spit® P370 tool
The Hilti® DX460 tool

NAILS WITH INSULATION WASHER



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF3080000	38	3.7	7.6	•		100
DDF3080050	51	3.7	7.6	•		100

NAIL WITH CONDUIT CLIP



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Clip Dia. [mm]	 Box	 Blister Pack	Pack Qty
DDF4020100	25	3.7	7.6	13	•		100

NAILS WITH CEILING CLIP



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF4050000	25	3.7	7.6	•		100
DDF4050050	32	3.7	7.6	•		100

POWDER ACTUATED STRIP NAILS

DESCRIPTION

- Suitable for Hilti® DX460/DXA40/DXA41 tools as well as other brands
- Available in lengths from 16mm up to 72mm

PAT STRIP NAILS



Cat No.	 Length [mm]	 Diameter [mm]	 Head Size [mm]	 Box	 Blister Pack	Pack Qty
DDF3430000	16	3.7	8	•		100
DDF3410050	19	3.7	8	•		100
DDF3410100	22	3.7	8	•		100
DDF3410150	27	3.7	8	•		100
DDF3410200	32	3.7	8	•		100
DDF3410250	37	3.7	8	•		100
DDF3410300	42	3.7	8	•		100
DDF3410350	47	3.7	8	•		100
DDF3410400	52	3.7	8	•		100
DDF3410450	62	3.7	8	•		100
DDF3410500	72	3.7	8	•		100

SCREWS

18v
LI-ION

XR
BRUSHLESS

DCF620 18V XR CORDLESS COLLATED DRYWALL SCREWDRIVER

CORDLESS SCREWDRIVER FOR EFFICIENT FITTING OF DRYWALL

With its powerful 4400rpm brushless motor, the 18V **DCF620D2K** cordless screwdriver can drive up to 2,250 screws per charge. One of the lightest and most compact tools on the market, it can get into small spaces easily and its quick release magazine accepts most collated screws to allow the user to fit boards more quickly.

- Tool free depth control and fine depth control
- Collated screw magazine rotates on tool without removal to allow the operate in corners with the minimum of fuss
- LED worklight for small spaces or areas with limited light
- Trigger lock-on lets you work without having to pull the trigger
- Also supplied with locking nose cone so that you can work with the same tool on sites where collated drywall screws are not supplied

- “Set and forget” feature remembers your fine depth adjustment when removing and replacing the nose cone

The kit includes:

2 x 18V 2.0Ah XR Li-Ion battery packs, XR charger, DCF6201 collated screw magazine, DT7205-QZ PR2 collated screw bit, Single Screw Nose cone, DT7520-QZ Magnetic bit extender with 25mm PR2 screw bit, TSTAK II box

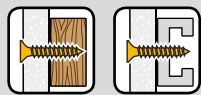
Description	DCF620
Battery Type / Capacity	18V XR Li-Ion / 2.0Ah
Weight (excl. / inc. battery)	1.1 kg / 1.5 kg
Tool Holder	(Hex) 6.35 mm
Max Torque	5 - 30 Nm
No Load Speed	0 - 4400 rpm

DCF620 DRYWALL SCREWDRIVER

APPLICATIONS

- Fastening drywall panels to metal and wooden profiles
- Installing Diamond Board
- Driving self-drilling screws in steel framing systems

MATERIALS



See front cover foldout for details.

18V XR CORDLESS COLLATED DRYWALL SCREWDRIVER AND ACCESSORIES



DCF620D2K

Cat No.	Description	Batteries	 Box	 Kit Box / Case	Pack Qty
DCF620P2K	18V Screwdriver with magazine attachment	2 x 5.0 Ah		•	1
DCF620D2K	18V Screwdriver with magazine attachment	2 x 2.0 Ah		•	1
DT7205	PR2 drywall screwdriver bit		•		1
DT7207	PR2 drywall screwdriver bit		•		20
DT7520	Magnetic bit holder		•		1

COLLATED DRYWALL SCREWS

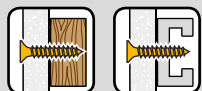
DESCRIPTION

- Range of collated drywall screws
- Constant and sharp needle point for fast and easy installation
- Available in fine, coarse and reverse thread
- Fine thread for fastening drywall panels to metal profiles (max. 0.88mm)
- Coarse thread for fastening to wooden profiles
- Reverse thread for use with Diamond Board
- Black phosphate, for better corrosion resistance
- Specially designed strip for easy installation and to prevent screw jams
- Suitable for DeWALT®, Powers®, HILTI®, Makita®, Senco® and most other competitor screwdrivers

APPLICATIONS

- Fastening drywall panels to metal and wooden profiles
- Installing Diamond Board

MATERIALS



See front cover foldout for details.

COMPLIANCE



EN 14566
Drywall Screw

BUGLE HEAD, FINE THREAD - FOR METAL PROFILES



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Screws per Strip	Box	Blister Pack	Pack Quantity
DWF4000250	•	3.5 x 25		PH2 / 8	50	•		1000
DWF4000350	•	3.5 x 35		PH2 / 8	50	•		1000
DWF4000450	•	3.5 x 45		PH2 / 8	50	•		1000
DWF4000550	•	3.5 x 55		PH2 / 8	50	•		1000

BUGLE HEAD, COARSE THREAD - FOR WOODEN PROFILES



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Screws per Strip	Box	Blister Pack	Pack Quantity
DWF4100250	•	3.5 x 25		PH2 / 8	50	•		1000
DWF4100350	•	3.5 x 35		PH2 / 8	50	•		1000
DWF4100450	•	3.5 x 45		PH2 / 8	50	•		1000
DWF4100550	•	3.5 x 55		PH2 / 8	50	•		1000
DWF4100650	•	3.9 x 25		PH2 / 8	50	•		1000
DWF4100750	•	3.9 x 35		PH2 / 8	50	•		1000
DWF4100850	•	3.9 x 45		PH2 / 8	50	•		1000

BUGLE HEAD, REVERSE THREAD - FOR DIAMOND BOARD

NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Screws per Strip	Box	Blister Pack	Pack Quantity
DWF4010003	•	3.9 x 25		PH2 / 8	50	•		1000

LOOSE DRYWALL SCREWS

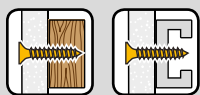
DESCRIPTION

- Range of loose drywall screws
- Constant and sharp needle point for fast and easy installation
- Available in fine, coarse and reverse thread
- Fine thread for fastening drywall panels to metal profiles (max. 0.88mm)
- Coarse thread for fastening to wooden profiles
- Black phosphate, for better corrosion resistance

APPLICATIONS

- Fastening drywall panels to metal and wooden profiles

MATERIALS



See front cover foldout for details.

COMPLIANCE



EN 14566
Drywall Screw

BUGLE HEAD, FINE THREAD + BIT - FOR METAL PROFILES

NEW


Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Box	Blister Pack	Pack Quantity
DWF4010004	•	3.5 x 25		PH2 / 8	•		1000 + 1
DWF4010005	•	3.5 x 35		PH2 / 8	•		1000 + 1
DWF4010006	•	3.5 x 45		PH2 / 8	•		1000 + 1
DWF4010007	•	3.9 x 25		PH2 / 8	•		1000 + 1
DWF4010008	•	3.9 x 35		PH2 / 8	•		1000 + 1
DWF4010009	•	3.9 x 45		PH2 / 8	•		1000 + 1

BUGLE HEAD, COARSE THREAD + BIT - FOR WOODEN PROFILES

NEW


Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Box	Blister Pack	Pack Quantity
DWF4010010	•	3.5 x 25		PH2 / 8	•		1000 + 1
DWF4010011	•	3.5 x 35		PH2 / 8	•		1000 + 1
DWF4010012	•	3.5 x 45		PH2 / 8	•		1000 + 1
DWF4010013	•	3.5 x 55		PH2 / 8	•		500 + 1
DWF4010014	•	3.9 x 25		PH2 / 8	•		1000 + 1
DWF4010015	•	3.9 x 35		PH2 / 8	•		1000 + 1
DWF4010016	•	3.9 x 45		PH2 / 8	•		1000 + 1

LOOSE DRYWALL SCREWS

DESCRIPTION

- Range of loose drywall screws
- Constant and sharp needle point for fast and easy installation
- Black phosphate, for better corrosion resistance

APPLICATIONS

- Fastening drywall panels to metal profiles
- Installing Diamond Board and Fermacell® Board

MATERIALS



See front cover foldout for details.

COMPLIANCE



EN 14566
Drywall Screw

BUGLE HEAD, REVERSE THREAD - FOR DIAMOND BOARD

NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Box	Blister Pack	Pack Quantity
DWF4010001	•	3.9 x 25		PH2 / 8	•		1000
DWF4010002	•	3.9 x 34		PH2 / 8	•		1000

FLAT HEAD WITH NIBS, + ONE BIT - FOR FERMACELL® BOARD

NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type / Size [mm]	Box	Blister Pack	Pack Quantity
DWF4010000		3.8 x 35		PH2 / 7	•		1000 + 1

SELF DRILLING SCREWS

DESCRIPTION

- Self drilling screws for metal profiles

APPLICATIONS

- See diagrams

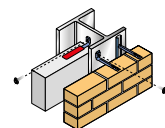
MATERIALS



See front cover foldout for details.

HEX HEAD, #5 POINT - ZINC PLATED

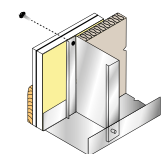
NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020012	5.5 x 32		HEX 5/16	4.0-12.5	•		1000
DWF4020013	5.5 x 38		HEX 5/16	4.0-12.5	•		500

COUNTERSUNK HEAD, WING-DRILLS, #5 POINT - ZINC PLATED

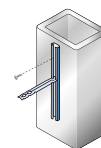
NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020014	5.5 x 55		PH3	4.0-12.5	•		500
DWF4020015	5.5 x 65		PH3	4.0-12.5	•		500

WAFER HEAD, #5 POINT - ZINC PLATED

NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020016	5.5 x 38		PH3	4.0-12.5	•		1000

SELF DRILLING SCREWS

SCREWS

DESCRIPTION

- Self drilling screws for metal profiles

APPLICATIONS

- See diagrams

MATERIALS



See front cover foldout for details.

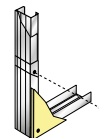
COMPLIANCE



EN 14566
Drywall Screw

BUTTON HEAD - ZINC PLATED

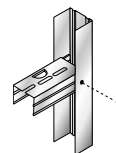
NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020000	•	4.2 x 13		PH2	0.8-2.5	•		1000
DWF4020001	•	4.8 x 22		PH2	0.8-2.5	•		1000

FLAT HEAD - ZINC PLATED

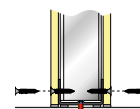
NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020002		5.5 x 19		PH2	1.0-3.0	•		500

BUGLE HEAD - ZINC PLATED

NEW



Cat No.	CE	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020003		3.5 x 42		PH2	0.8-2.5	•		1000
DWF4020004		3.5 x 50		PH2	0.8-2.5	•		500

SELF DRILLING SCREWS

DESCRIPTION

- Self drilling screws for metal profiles

APPLICATIONS

- See diagrams

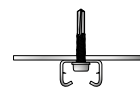
MATERIALS



See front cover foldout for details.

HEX HEAD - ZINC PLATED

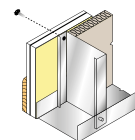
NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020005	5.5 x 25		HEX 5/16	1.2-3.5	•		1000

COUNTERSUNK HEAD, WING-DRILLS - ZINC PLATED

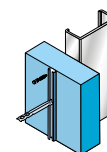
NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020006	4.2 x 38		PH2	1.2-3.5	•		200
DWF4020007	4.8 x 45		PH2	1.2-3.5	•		200
DWF4020008	5.5 x 62		PH3	1.2-3.5	•		500
DWF4020009	5.5 x 80		PH3	1.2-3.5	•		500

HEX HEAD, WITH EPDM WASHER - ZINC PLATED

NEW



Cat No.	Thread Size [mm]	Length [mm]	Head Type	Profile Size [mm]	Box	Blister Pack	Pack Quantity
DWF4020010	5.5 x 60		HEX 5/16	1.2-3.5	•		500
DWF4020011	5.5 x 80		HEX 5/16	1.2-3.5	•		400

DFM3210200	68	DDF3000450	139	DDF5330000	128
DCF620D2K	143	DDF3000500	139	DDF5610500	128
DCF620P2K	143	DDF3000550	139	DDF5610510	128
DCN8901	127	DDF3010000	139	DDF5610510-GB	128
DCN8901015	127	DDF3060000	139	DDF5610520	128
DCN8901020	127	DDF3060050	139	DDF6100045	131
DCN8901025	127	DDF3080000	140	DDF6100050	131
DCN8901030	127	DDF3080050	140	DDF6100055	131
DCN8901035	127	DDF3410050	141	DDF6100060	131
DCN8901040	127	DDF3410100	141	DDF6100065	131
DCN8901045	127	DDF3410150	141	DDF6110020	132
DCN8901050	127	DDF3410200	141	DDF6110025	132
DCN8901055	127	DDF3410250	141	DDF6110030	132
DCN8901057	127	DDF3410300	141	DDF6110035	132
DCN8902	127	DDF3410350	141	DDF6110040	132
DCN8902015	127	DDF3410400	141	DDF6110045	132
DCN8902020	127	DDF3410450	141	DDF6110049	132
DCN8902025	127	DDF3410500	141	DDF6110055	132
DCN8903	127	DDF3430000	141	DDF6110060	132
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It is the responsibility of the specifying professional or installer to ensure that a suitable product is specified, selected and used in the intended application. This includes that the selected product and its use is compliant with applicable building codes, regulations and other legal requirements

and will satisfy durability and performance criteria and margins of safety which they determine are applicable. The products must be used, handled and installed strictly in accordance with all current instructions published by DeWALT® or in the European Technical Assessments.

The performance data given in this catalogue are the result of the evaluation of tests conducted under laboratory conditions. It is the responsibility of the specifier and installer to consider conditions in the field to ensure the performance data is applicable to the actual conditions. In particular the base material and environmental conditions have to be checked prior to installation. Load values indicated assume single anchor use without the influence of surface edges, spacing or material thickness.

In case of doubt please contact DeWALT® technical support via www.DeWALT.com or www.DeWALTDISEIGNASSIST.com

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