Fastening and Anchoring Systems

SIMPSON Strong-Tie

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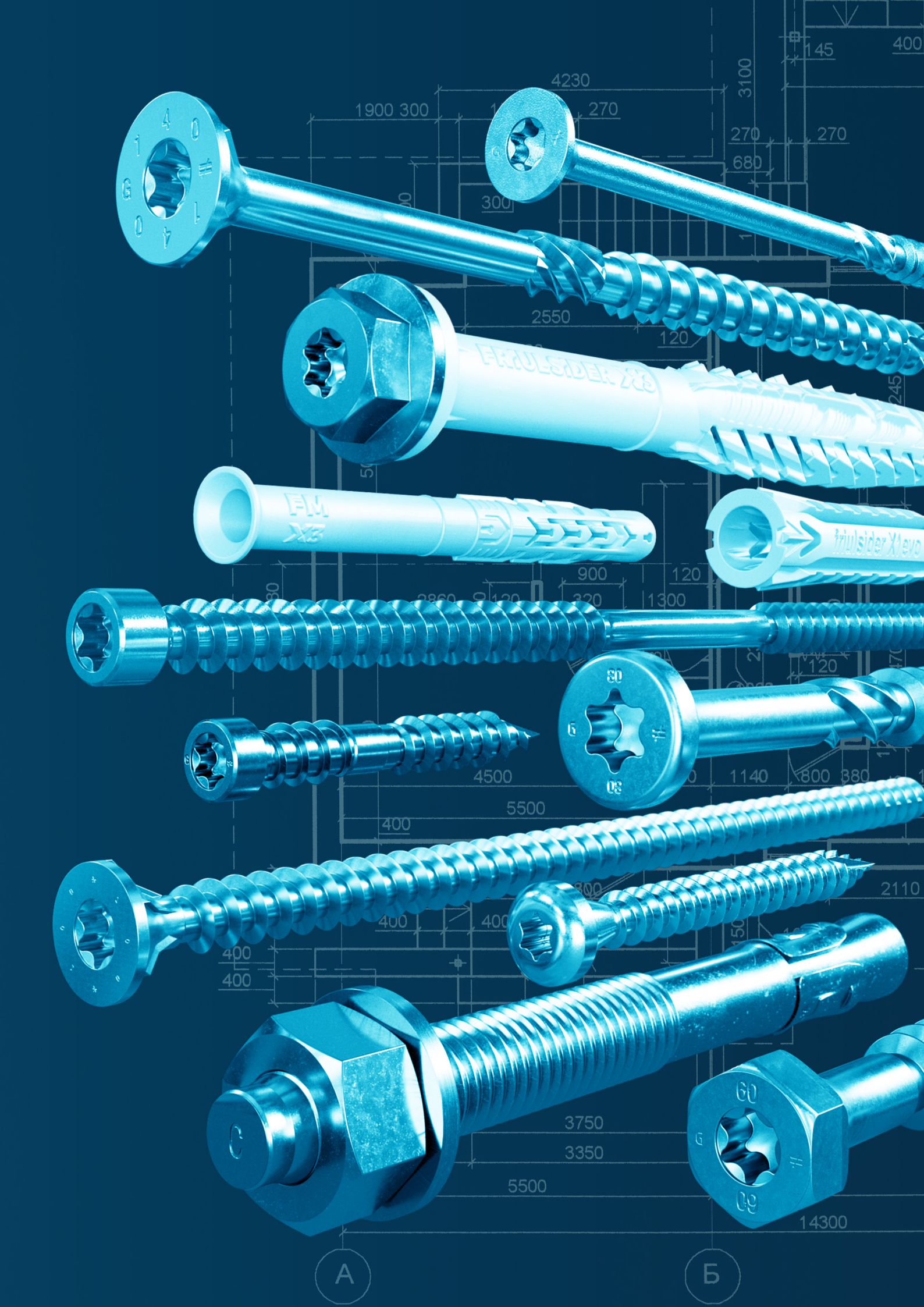
FRULSIDER X3
FM X3
frulsider X1 evo
А
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SIMPSON
Strong-Tie

From design to construction, put innovation to work.

Like the pros who use our products, Simpson Strong-Tie is always looking for smarter ways to design and build safer, stronger structures. That's why we're dedicated to ongoing structural systems research and technology. Rigorous product testing and refinement go into every fastening solution we engineer — for every application. Cross-laminated timber or concrete. Wood to steel. Decks, docks and boardwalks. Connector fastening and more. Whatever your project, Simpson Strong-Tie delivers the most advanced, proven fastening systems to help you get the job done.

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Exceptional strength.

SDWS Structural WOOD Screw

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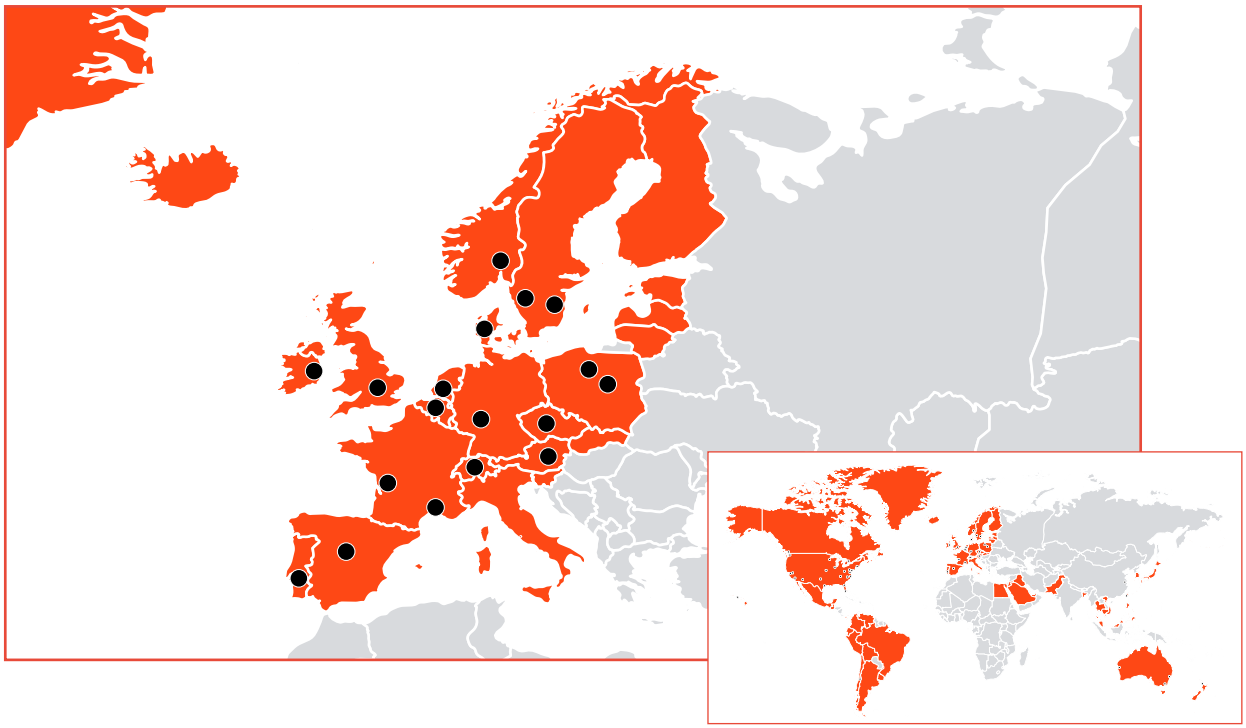
Company Information

For more than 60 years, Simpson Strong-Tie® has focused on creating structural products that help people build safer and stronger homes and buildings. A leader in structural systems research and technology, Simpson Strong-Tie® is one of the largest suppliers of structural building products in the world. Our commitment to product development, engineering, testing and training is evident in the consistent quality and delivery of our products and services.

For more information, visit the company's website at **strongtie.eu**



European Fastener Manufacturing

Simpson Strong-Tie® has several manufacturing facilities placed strategically across the European continent, to ensure a high degree of product availability and a strong understanding of the local markets. We have fastener manufacturing in various locations across Europe and our close-knit logistical network ensures that there is always a Simpson Strong-Tie warehouse or distributor near you.

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Company Information

The Simpson Strong-Tie® Company Inc. "No Equal" Pledge Includes:

- Quality products value-engineered for the lowest installed cost at the highest-rated performance levels
- Most thoroughly tested and evaluated products in the industry
- Strategically located manufacturing and warehouse facilities
- National code agency listings
- Largest number of patented connectors in the industry
- European locations with an international sales team
- In-house R&D and tool and die professionals
- In-house product testing and quality control engineers

Quality Policy

We help people build safer structures economically. We do this by designing, engineering and manufacturing "No Equal" structural connectors and other related products that meet or exceed our customers' needs and expectations.

Everyone is responsible for product quality and is committed to ensuring the effectiveness of the Quality Management System. Simpson Strong-Tie® is an ISO 9001 registered company. ISO 9001 is an internationally recognised quality management system standard, which lets our customers know that they can count on the consistent quality of Simpson Strong-Tie's products and services.

Mike Olosky
Chief Executive Officer

Testing Laboratory Accreditation

The Andris Peterson European Test Laboratory, located in the UK in Tamworth, Staffordshire, is the first manufacturer's facility to achieve third party accreditation to the international standard BS EN ISO/IEC 17025.

The world-class facility now conducts around 10,000 product tests annually and has recently benefited from a significant investment, which will enable double productivity. The fact that we extensively test our products give you the reassurance that they will perform in the toughest conditions. We strive to ensure that our products are compliant with the latest European requirements for construction products.

We Are ISO 9001-2015 Registered

Simpson Strong-Tie is an ISO 9001-2015 registered company. ISO 9001-2015 is an internationally-recognized quality assurance system which lets our domestic and international customers know that they can count on the consistent quality of Simpson Strong-Tie® products and services.

ISO 14001

Our Swedish, French (St. Gemme la Pleine) and UK facilities are ISO 14001 certified. This standard states the requirements for an environmental management system, and applies to the environmental aspects over which our company has control and can be expected to have an influence.

OHSAS 18001

Our Tamworth, UK facility is OHSAS 18001 certified. This certification reflects an internationally applied British Standard for occupational health and safety management systems.

To learn more about these certifications and organizations, please visit ISO.org, ICCSafe.org and bsigroup.com.

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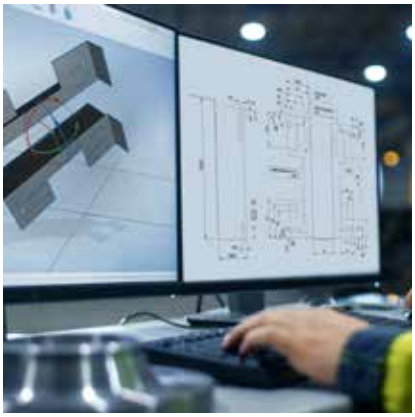
Online Tools & Support for Engineers

Technical Support

Experts in structural wood engineering, Simpson Strong-Tie is always at your side, making life easier with complete solutions, effective support, tools and advice.

With our proven track-record for service and support, peace of mind comes built-in. It's part of an engineer's DNA to plan for the unexpected. We've already spent over six decades doing just that.

We are with you every step of the way; from planning and tendering to site-build, we have people on the ground to support the process and to give further guidance. Our Technical Support team is on hand to answer your questions and provide good installation advice, from making sure you have the most suitable product, to the best ways to go about installing them.



CAD/BIM Library

Any 2D and 3D model of our Solid-Drive fasteners can be immediately integrated into building designs and design software.

We know how useful the drawings of our fasteners can be for you. That is why we offer our drawings in the following formats for free download:

- 2D / 3D DWG
- SAT
- 2D / 3D Revit
- XML
- BIM

Please note that you will need at least CAD software to open some of the files. You can get a free file reader at: Autodesk Review.

DoP/ETA Library

Our entire library of DoP (Declaration of Performance) and ETA documentation is available online. Here we provide DoP's in all main European languages.

If you know the name of the product family, you can search on each of our websites, or —alternatively— browse the products section as the relevant DoP and ETA file can also be found on each individual product's detail page.

Go to **strongtie.eu** to find more.

Solid Wood Fastener Dimensioning Software

SW Solid Wood

In just four simple steps, Solid Wood guides you through the calculation and selection of fastening solutions suitable for the specific wood structure at hand, all according to Eurocode 5 and our ETA.

Try Solid Wood today.

Go to **solidwood.strongtie.eu**

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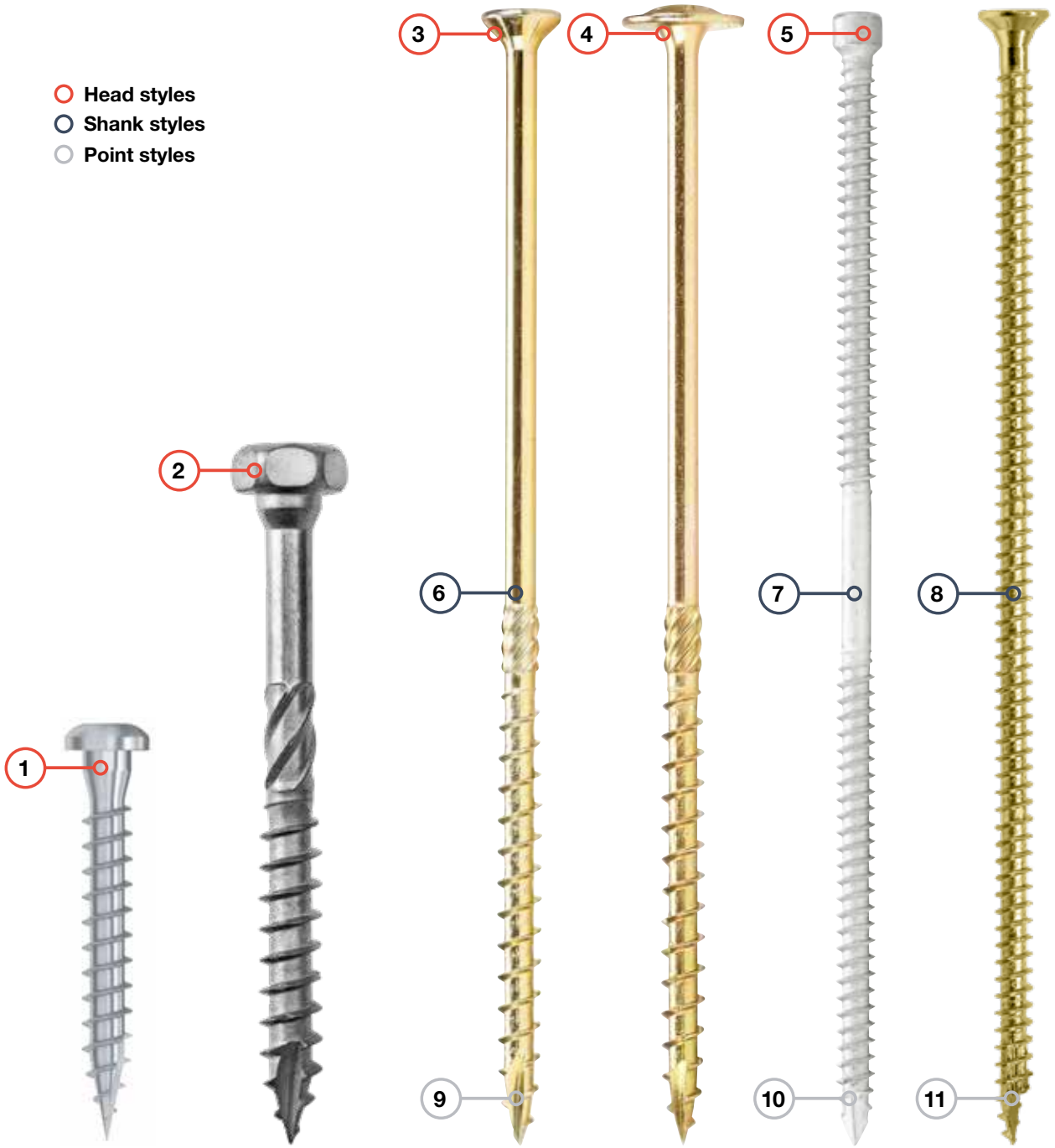
Fastener Features



1 **Conical shape** under the head for maximum fit in metal holes

2 **Hex-head** with 6-lobe recess allows for the convenience of driving with either a hex-driver bit or 6-lobe driver bit

3 **Countersunk head** with underhead nibs creates a flush finish

4 **Washer head** creates high pull-through resistance

5 **Small cylinder head** sinks into the wood allowing for hidden assemblies

6 **Partial thread** with milling thread reduces the drive-in torque

7 **Double thread** with differentiated thread pitch creates a clamping effect that pulls the wood members together

8 **Full thread** for excellent pull-out values and high load-bearing capacities

9 **Type 17 cut point** reduces the risk of wood splitting during the installation

10 **Chisel point** allows for skewed installations

11 **Half-cut point** gives low installation torque and no pre-drilling is required

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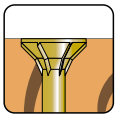
Fastener Features

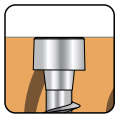
Head Styles Screws

Ribbed Flat Head

Flat Head with Facet

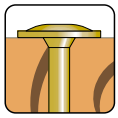
Flat head with fiber lock technology


Countersunk with Ribs


Cap-Style Head

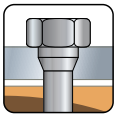
Cylinder Head

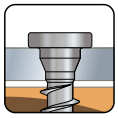
Pan Head

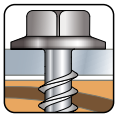

Wafer Head

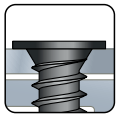
Flat Countersunk Head with Ribs

Pan Head with Conical Shape Under Head

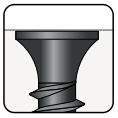

Hex Head with Conical Shape Under Head


Flat Head with Conical Shape Under Head

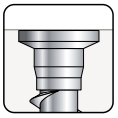

Hex-Washer Head


Reduced Flat Head

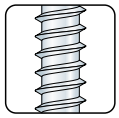
Duplex Head

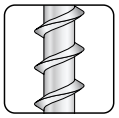

Reduced Bugle Head

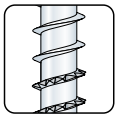
Extended Bugle Head

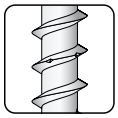

Minimal Flat Head

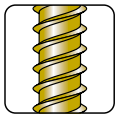
Thread Styles Screws

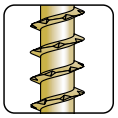

Metal Tapping Thread

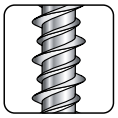

Coarse Thread

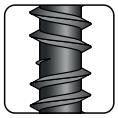

Coarse Serrated Thread

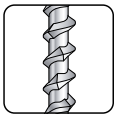

Coarse Milling Thread


Twin Thread


Serrated Milling Thread


High-Low Thread


Twin Threads with Reverse Thread


Box Thread

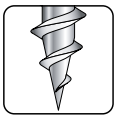
Point Styles Screws

Type 17 Point

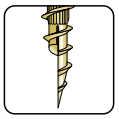
Application: Wood-to-wood

Serrated Type 17 Point

Application: Wood-to-wood


Sharp Point

Application: Wood-to-wood


Half-tip Point

Application: Wood-to-wood

Sawtooth® Point

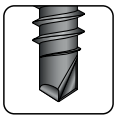
Application: Wood-to-wood

Drill Point with Wings

Application: Wood-to-metal

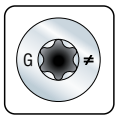
Drill Point

Application: Metal


Pilot Point

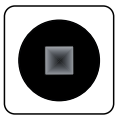
Application: Wood-to-metal

Drive Styles Screws

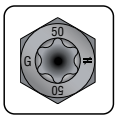


6 Lobe Drive

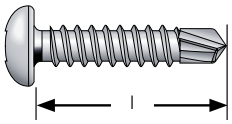
PH Drive

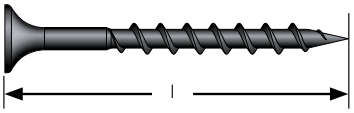

Square Drive

Hex Drive

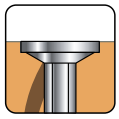


Hex / 6 Lobe Drive


Measure pan, wafer, flat head, oval, washer and hex-head screws from under head to point

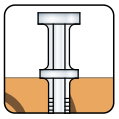

Measure all other screws from top of head to point

Head Styles Nails


Flat Head

Countersunk Head

Oval Head

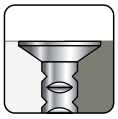

Double Head

Flat Head with Conical Shape Under Head

Bell Head with Washer

Low Oval Head with Washer

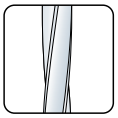
Flat Head

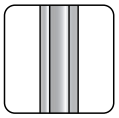

Trim Head

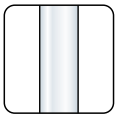
Shank Styles Nails

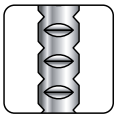
Anullar Ring Shank

Square Twist Shank


Twisted Shank


Grooved Shank


Round Shank


Jagged Shank

Striated Shank

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Self-Drilling Screws

Application

As their name implies, self-drilling screws operate on the same principles as drill bits and other cutting tools. For any cutting tool, performance is governed by cutting speed, feed rate, depth of cut and the work material itself. Therefore, installation performance of self-drilling screws can be linked to the basic cutting tool parameters:

Point Geometry is the designed shape of the screw's drill point.

RPM is the speed at which the driver motor runs while the screw is installed. This is often adjustable using a variable pull trigger or different driver motor.

Applied Force is a measure of the user applied force as the screw is installed. More force is not necessarily better.

Work Material Hardness can be viewed as a material's resistance to drilling or cutting. In most instances, the harder the work material, the more difficult it is to cut.

Optimal Cutting Conditions by Screw Size

Screw tip type	Screw diameter	Material thickness
#2	3.5	0.9 - 2.5
	4.2	0.9 - 2.5
	4.8	0.9 - 2.8
#3	4.2	2.5 - 3.6
	4.8	2.8 - 4.4
	5.5	2.8 - 5.3
	6.1	2.8 - 5.3
#4	5.5	4.4 - 5.6
	6.1	4.4 - 5.6

*All dimensions in mm. Total thickness of all steel including any gaps between layers.

Special Considerations

Drill-Point Material is generally plain carbon steel which is less stable at high temperatures than equivalent high-speed steel (HSS) drill-bits. To reduce wear on the drill point, fasten using a drill motor rather than an impact driver or hammer drill.

High Temperature Stability affects how quickly the drill point fails due to the heat generated by the drilling operation. Refer to the troubleshooting guide at the end of this section for some visual examples.

Drilling Temperature is directly proportional to motor RPM, applied force, and work material hardness. As each value increases, so does the heat generated by the drilling operation.

Reducing Applied Force can increase durability and allow the drill point to penetrate thicker materials (i.e., remove more material before failing due to heat buildup).

Reducing Motor RPM can improve performance in harder materials by allowing the user to push harder during the drilling process and extending the life of the drill point.

Design Features

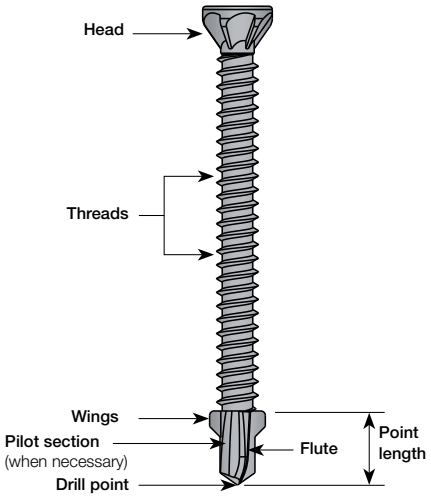
When selecting a self-drilling screw, consider the material thicknesses and types of materials to be joined. Following are some key design features to look for when selecting suitable fasteners.

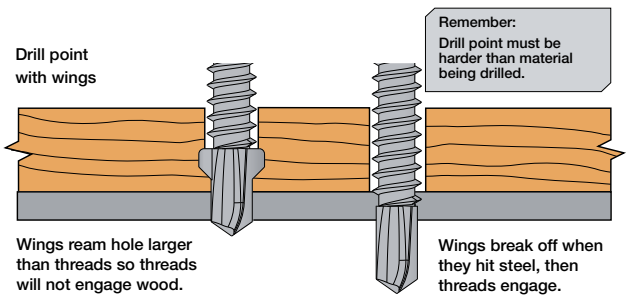
Drill Flutes allow drilled material to exit the hole. Completely embedded flutes can no longer remove these chips, which contain approximately 80% of the heat created by the drilling process. A buildup of this material can cause the point to over-heat and fail.

Point Length determines the material thickness which the screw can reliably penetrate. The unthreaded portion of the point, (pilot section), must be able to completely drill through the material before the threads engage. If the threads engage before drilling is complete, the fastener can bind and break.

Point Wings are used on some screws that fasten thicker materials, such as wood, to metal. The wings enlarge the hole in the fastened material, allowing the threads to pass through without contacting the fastened material. This added clearance prevents separation of the fastened material from the base metal (known as "jacking"). The wings will break away on contact with the metal before the threads engage in the metal.

Basic Self-Drilling Screw Anatomy





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Materials and Coatings - Fasteners

For fasteners different coating are used depending of the intended use of the product.	
Aluminium	**Aluminium:** Can withstand rain but shouldn't be used together with other metals where there is a risk of galvanic corrosion. Certain aluminum alloys can be used outdoor together with 1.4401, 1.4404 and 1.4571 in the absence of chlorides.
Brass	**Brass:** Can withstand rain but shouldn't be used together with other metals where there is a risk of galvanic corrosion.
Copper	**Copper:** Can withstand rain but shouldn't be used together with other metals where there is a risk of galvanic corrosion.
Lacquered	**Lacquered:** A thin layer of paint is applied on the fastener. The corrosion performance depends on the steel quality and surface treatment of the fastener on which the paint is applied.

For fasteners different coating are used depending of the intended use of the product.	
Bright Steel	**Bright:** No coating is applied on the fasteners. It is only suitable for temporary fixing and indoor applications.
Phosphated C1 acc. to EN ISO 12944-2 SC1 - 50 years acc. to EC5	**Phosphated:** Products are dipped in a hot phosphoric acid and phosphates, anti-corrosion oil is added after the treatment in order to improve the corrosion resistance. It is intended for dry, indoor applications.
Sheradised C1 acc. to EN ISO 12944-2 SC1 - 50 years acc. to EC5	**Sheradised:** Products are heated up to c. 500 °C in a closed rotating drum that contains metallic zinc dust and possibly an inert filler, such as sand. It is intended for dry, indoor applications.
Electro Galvanised C1 acc. to EN ISO 12944-2 SC1/SC2 - 50 years acc. to EC5	**Electro Galvanised:** The coating system consists of an electro plated zinc base layer. Depending on the thickness of the zinc layer, it can provide corrosion resistance that is adequate for service class 1 or 2.
Yellow Zinc Plated C2 acc. to EN ISO 12944-2 SC1/SC2 - 50 years acc. to EC5	**Yellow Zinc Plated:** The coating system consists of an yellow plated zinc base layer. Depending on the thickness of the zinc layer, it can provide corrosion resistance that is adequate for service class 1 or 2.
E-coat C2 acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**Electrocoat (E-Coat):** Electrocoat utilizes electrical current to deposit the coating material onto the fastener. After application, the coating is oven cured. Electrocoat is intended for dry, indoor applications.
AISI 410 C3 acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**AISI 410 Hardened:** Grade 410 stainless steels are a general-purpose martensitic stainless material containing chromium, which provides medium corrosion resistance for outdoor applications.
Quik Guard® Coating	**Quik Guard:** A proprietary coating that consists of an electroplated zinc base layer and a system of organic top coats intended for outdoor applications.
Mechanically Galvanised	**N2000® Mechanically Galvanised:** A mechanically applied proprietary zinc coating with a supplementary overcoat intended for outdoor applications.
Mechanically Galvanised	**Class 55 Mechanically Galvanized:** This is a mechanically-applied zinc coating with a min. average thickness of 55 microns with a supplementary overcoat. Screws with a Class 55 coating meet the requirements for use in preservative-treated and fire-retardent-treated wood as stated in 2012 and 2015 IRC.

Table continues on next page.

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General Information Fasteners

For fasteners different coating are used depending of the intended use of the product.	
Protec® C3 acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**Protec®:** Products are dipped in liquids that consists of zinc and aluminium flakes which is hardened in ovens after the spinning process. Intended for outdoor applications.
Protec® + C3 acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**Protec®+:** Products are dipped in liquids that consists of zinc and aluminium flakes which is hardened in ovens after the spinning process. Finally a layer of wax is applied. Intended for outdoor applications.
Double Barrier C3 acc. to EN ISO 12944-2 SC3 - 50 years acc. to EC5	**Double Barrier:** The Simpson Strong-Tie® Double Barrier coating is a proprietary coating that provides a level of corrosion resistance that is equivalent to hot-dip galvanization and is intended for outdoor applications.
Impreg® + C4 - 15 years acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**Impreg®+:** Products are dipped in liquids that consists of zinc and nickel. It provides a good corrosion performance for outdoor applications and has a low risk of galvanic corrosion together with Aluminum or Stainless Steel.
Impreg®X4 C4 - 15 years acc. to EN ISO 12944-2 SC2 - 50 years acc. to EC5	**Impreg® X4:** The Simpson Strong-Tie® Impreg® X4 coating is a proprietary coating that provides a good level of corrosion resistance. The coating consists of several layers and is suitable for use in treated timber in outdoor applications
Hot-Dip Galvanised C4 acc. to EN ISO 12944-2 SC3 - 50 years acc. to EC5	**Hot Dip Galvanised:** Products are dipped in melted zinc 550-560°c, initiating a chemical reaction between the steel and the zinc. It provides a good corrosion resistance and is intended for outdoor applications.
Stainless Steel C4 acc. to EN ISO 12944-2 SC3 - 50 years acc. to EC5	**Non-Acid Proof Stainless Steel 304, 304L –A2 (1.4301, …):** Types 304 stainless steels is nickel-chromium austenitic grades of stainless steel. Type 304 stainless steel is not hardened by heat treatment and is inherently non-magnetic. It provides good corrosion resistance and is suitable for outdoor applications.
Stainless Steel C5 acc. to EN ISO 12944-2 SC3 - 50 years acc. to EC5	**Acid Proof Stainless Steel 316, 316L –A4 (1.4401, 1.4404 …):** Type 316 stainless steel is a nickel-chromium austenitic grade with 2-3% molybdenum. Type 316 stainless steel is not hardened by heat treatment and is inherently non-magnetic. It provides a level of corrosion protection suitable for marine and severe environments.
HCR CX acc. to EN ISO 12944-2 SC3 - 50 years acc. to EC5	**High Corrosion Resistance Stainless Steel HCR (1.4529, …):** Type HCR stainless steel is developed for extremely severe corrosive environments, such as in swimming halls.

Impreg® +

Impreg+ is an electrolytic, inorganic, surface treatment consisting of zinc and nickel. Due to the strong alloy combination the coating is very robust and suitable for corrosive environments.

- **C4 approved for 15 years according to EN ISO 11997-1:2017, cycle B**
- Compliant with REACH, RoHS- and ELV-directive
- Chromium (VI) free
- No galvanic corrosion in aluminium connections
- Due to the strong adhesion between the steel and the coating, Impreg+ will maintain the corrosion resistance even after installation
- Withstands temperatures up to 300° (C)

Comparison test EN ISO 11997-1:2017, Cycle B, 1240 hours, low (electro galvanised), medium (Impreg+), severe (stainless steel A4).

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About Friulsider Anchors

Friulsider has been manufacturing high-quality fixing products in its factory, which is located in San Giovanni al Natisone in the Friuli-Venezia Giulia region of Northern Italy, since 1966. Like Simpson Strong-Tie, Friulsider has a long history of providing exceptional products and services.

With over 50 years of experience, Friulsider confirms its role as a true fixing factory. Friulsider designs and manufactures in-house innovative fixings to meet all the demands and trends of the global market. Innovation is the keyword: from 3D CAD design to laboratory tests, equipped for the entire ETA procedure on any type of base material; from the 125 production machines dedicated to the 4 product lines (metal/plastic/chemical fixings, selftapping/selfdrilling screws, wood fixings and bolts) to European certifications for construction and industrial use, including seismic risk.

Metal Production

The high production capacity makes Friulsider a true fixing factory: in fact, it has a total annual production of 4.000 tons of metals such as carbon steel, A2 and A4 stainless steel, brass and aluminum. Friulsider internally manages all metal processing: - Cold forming of metal anchors such as anchor bolts , standardized and special bolts - Stamping of metal sheets for expansion clips for through fixings, sleeves and shields for metal anchors, washers and components - Complete production of selftapping and selfdrilling screws, bimetal selfdrilling screws and customer designed special screws.

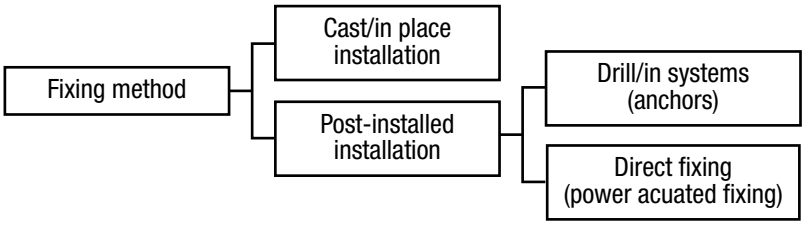
Injection Moulding

Thanks to an automatic 3 shifts non-stop system, Friulsider's injection moulding activities reach a total annual production of 600 tons. The automatic plastic injection process can also be carried out without supervision and allows the processing of materials such as Nylon PA6, PA6.6 and Polypropylene PP.

On all processes, Friulsider performs rigorous systematic checks on the humidity content of the finished product and the qualitative compliance of the raw materials with defined specifications.

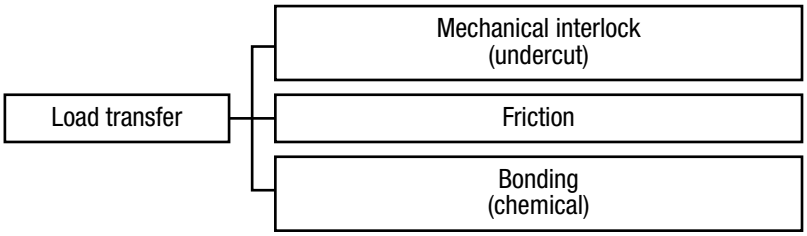
Fixing Systems Classification

An initial classification can be carried out based on the type of installation:



The types of fixings offered in this catalogue are all drill in anchors; where the anchor is installed in holes drilled into the base material.

A further classification is done according to the way in which the load is transferred from the anchor to the base material:



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General Information Anchors

Mechanical interlock (fig.1 & fig.2): the hole is modified to create a cavity or undercut either by a special drilling apparatus or by the anchor itself. The load is transferred to the base material through the undercut zone. When hollow base materials are used, it is the hollow parts themselves that are used as an undercut zone.

Friction (fig.3 & fig.4): a friction force between the anchor and the hole walls equalises the load force on the anchor. The expansion of these anchors, known as expansion anchors, occurs usually through the expansion cone which is forced against the expansion sleeve during the installation.

Bond (fig.5): the load is transferred to the base material through the chemical adhesive inserted between the anchor and the hole walls. The adhesive, normally a resin, which adheres to the anchor on one side and the hole walls on the other, transfers the load through micro keying. For the fixing to work correctly, the anchor must have a rough surface (e.g. a threaded bar) and the hole must cleaned properly so that the resin can penetrate the micro-craters formed on the hole walls during the drilling phase.

All of the fixing systems in this catalogue can be attributed to one of the above mechanisms.

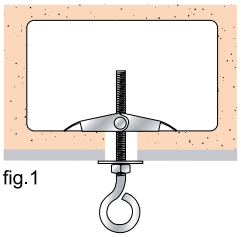
fig.1

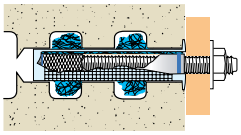
fig.2

Drill In Anchors Types

Drill in anchors are installed in holes drilled into the base material. They are the most common type of fixing used and they have evolved rapidly over the years.

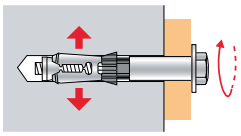
fig.3

The following types can be identified:

- torque controlled expansion anchors (fig.3)
- displacement controlled expansion anchors (fig.4)
- undercut anchors (fig.1 & fig.2)
- chemical anchors (fig.5)
- screw anchors (fig.6)
- plastic anchors (fig.7)

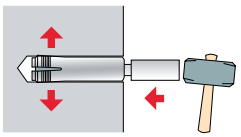
fig.4

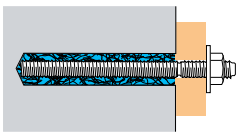
fig.5

The object to be fixed is a key installation factor. There are three types of installation configurations:

- **Pre-positioned fixings** (fig.8): the anchor is inserted in the base material before positioning the object to be fixed and then is tightened with a screw. The hole in the object to be fixed is normally smaller than the hole in the base material.
- **Through fixings** (fig.9): the anchor is inserted in the base material through the fixture. The size of the hole of the object to be fixed is either bigger than or equal to the size of the hole in the base material. This hole is drilled either simultaneously with the hole in the base material or if already drilled is used as an outline to drill the hole in the base material.
- **Stand-off fixing** (fig.10): the object to be fixed is mounted at a distance from the base material. An anchor with a prolonged threaded part is used and the element is fixed with a nut and a lock-nut. The part of the anchor which protrudes from the base material is subject to bending (fixing with lever arm) as well as shear loads.

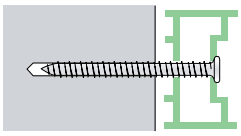
fig.6

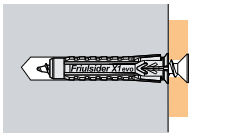
fig.7

Through fixings are the most common type as they simplify the installation process.

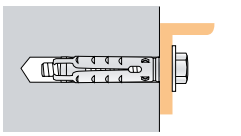
fig.8

A further anchor classification can be made with regards to the safety:

- anchors for structural fixings where the anchor failure causes the collapse of the whole or part of the work;
- anchors for non-structural fixings where the anchor failure can cause an immediate risk to human life;
- anchors for where the anchor failure does not cause an immediate risk to human life;

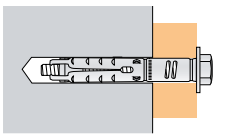
fig.9

This distinction is not only bound to the anchor configuration but above all to the intended use of the anchor.

For this reason the type of anchor could be classified differently depending on the intended use.

The European guidelines differ from one another depending on the type of use: the EAD-330232-00-0601 deals mainly with structural anchors; EAD-330747-00-0601 deals with metallic anchors for non structural use.

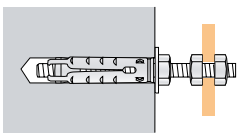
fig.10

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Materials and Coatings - Anchors

The choice of material and coating is fundamental to guarantee the functional performance of the fixing over time. The extensive Friulsider range is designed carefully according to the specific needs of each product type in order to offer the most suitable treatment for the installation environment.

Corrosivity categories according to **ISO 9223**			Material:	Steel	Steel	Stainless Steel A4
			Coating:	White Zinc Plated **5µm ISO4042**	**3DG**	-
C5-I	Very high	Industrial				◎
C5-M	Very high	Marine				◎
C4-I	High	Industrial				●
C4-M	High	Marine			◎	●
C3	Medium	Industrial-marine-urban			●	●
C2	Low	Urban			●	●
C1	Very low	Rural		◎	●	●

◎ Partially suitable applications ● Suitable applications

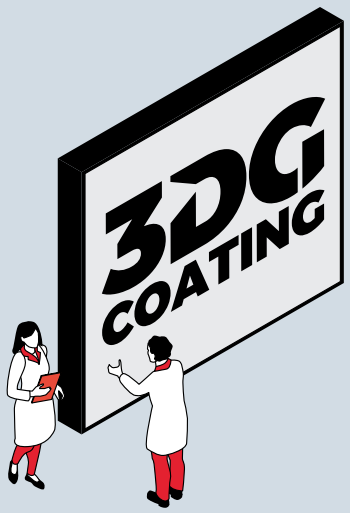
C5-I	Industrial environments with high air pollution (sulfur dioxide-chloride-etc.);
C5-M	Marine environment with very high salinity and very close to the sea < 0.2 km;
C4-I	Industrial environment with high sulfur dioxide pollution;
C4-M	coastal areas with high salinity, distance from the sea 0,2-1 km;
C3	Urban or Industrial environment with low sulfur dioxide pollution, coastal areas with moderate salinity, distance from the sea 1-3 km;
C2	Urban environment contaminated mainly from densely populated areas with no significant industrial activity, distance from the sea > 3 km;
C1	Rural non-contaminated environment, mainly natural areas, distance from the sea > 20 km.

The environmental assessment must be carried out by designers and/or competent personal, the influence of the above factors must be considered in the use of the fixings shown in the table, and therefore suitable protective and design-construction factors must be implemented.

The 3DG Coating

The 3DG coating, whose formula and production process were developed in-house, is designed to increase corrosion resistance compared to the classic zinc plating treatment.
The coating is applied by an electrolytic process and is available in glossy and matt versions.

Discover the 3DG range in the catalogue.



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Fixing Systems for Seismic Risk Areas

When designing and constructing buildings in seismic areas, the regulations require the adoption of certain criteria in order to operate at the highest levels of safety.

These specifications also apply to fixing systems, which must respond suitably to the cyclical stresses typical of an earthquake.

The Friulsider anchor range includes mechanical and chemical solutions with CE certification and C1 and C2 qualification:

FM-753 CRACK

C1: M8 - M16
C2: M10 - M16

ATS evo

C1: M6 - M24
C2: M8 - M24

SEISMIC C1

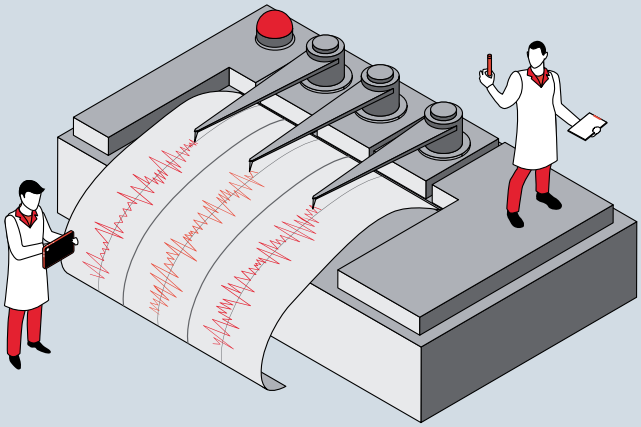
C1

Resistance to cyclic loads in crack up to 0.5 mm

SEISMIC C2

C2

Resistance to cyclic loads in variable crack up to 0.8 mm with definition of the maximum displacement



FixCalc Engineering Software

New release of the Friulsider FixCalc engineering software

New suite consisting of two modules, one for anchor calculations + one for rebar calculations.

Rebar module available in English, Italian, Spanish, French, Dutch, Polish.

Anchor module available in English, Italian, Danish, Spanish, French, German, Dutch, Polish, Portuguese, Lithuanian, Russian.

Includes all new products.

FIX CALC ENGINEERING SOFTWARE

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Corrosion Information

Understanding the Corrosion Issue

Many environments and materials can cause corrosion, including ocean salt air, fire retardants, fumes, fertilizers, preservative-treated wood, de-icing salts, dissimilar metals and more. Metal connectors, fasteners and anchors could corrode and lose load-carrying capacity when installed in corrosive environments or when installed in contact with corrosive materials.

When corrosion is caused by airborne solutions (ocean air, swimming halls, spray from a salt-treated street in winter, etc.) the metal parts can be in environments that are directly exposed to rain. They can be covered by a roof or inside the ventilated area of a facade.

The many variables present in a building environment make it impossible to accurately predict if, or when, corrosion will begin or reach a critical level. This relative uncertainty makes it crucial that specifiers and users are knowledgeable of the potential risks and select a product suitable for the intended use. It is also prudent that regular maintenance and periodic inspections are performed, especially for outdoor applications.

It is common to see some corrosion in outdoor applications. Even stainless steel can corrode. The presence of some kinds of corrosion, e.g. white rust on zinc, does not mean that load capacity has been affected or that failure is imminent. If significant corrosion, e.g. red rust, is apparent or suspected, then a qualified engineer or inspector should inspect the framing members, fasteners and connectors. Replacement or cleansing of affected components may be appropriate. Red rust corrosion of steels will mostly carry on increasing and will cause major damage at an advanced stage.

Galvanic Corrosion

Galvanic corrosion (also known as bimetallic corrosion, dissimilar metal corrosion or contact corrosion) may occur when dissimilar metals (e.g. galvanised mild steel and stainless steel) are in contact in a corrosive electrolyte (e.g. water containing salt, acid, etc.). When a galvanic couple forms, one of the metals in the couple becomes the anode and corrodes faster than it would all by itself, while the other becomes the cathode and corrodes slower than it would alone. For galvanic corrosion to occur, three conditions must be present:

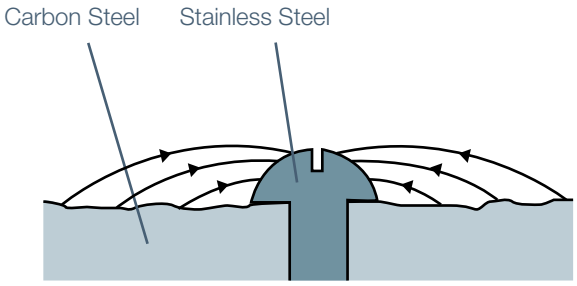
1. Electrochemically dissimilar metals must be present,
2. These metals must be in electrical contact,
3. The metals must be exposed to an electrolyte.

The relative nobility of a material can be predicted by measuring its corrosion potential. The well-known galvanic series, (see below) lists the relative nobility of certain materials in seawater. A small anode/cathode area ratio is highly undesirable. In this case, the galvanic current is concentrated onto a small anodic area. Rapid thickness loss of the dissolving anode tends to occur under these conditions. Adverse area ratios are likely to occur with fasteners at joints.

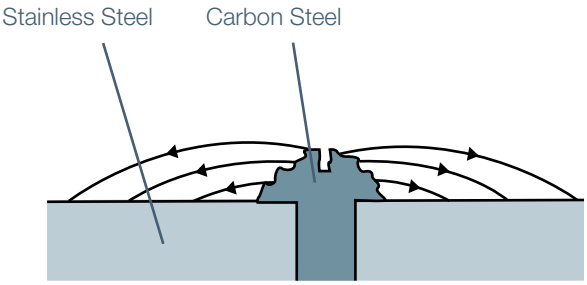
Galvanic Series of Metals

Corroded end (Anode)
Magnesium, Magnesium alloys and Zinc
Aluminium, Cadium, Iron and Steel
Lead, Tin, Nickel and Ni-Cr alloy
Brasses, Copper and Cu-Ni alloys
Nickel
Stainless Steels
Protected end (Cathode)

Carbon steel fasteners used with stainless steel connectors should be avoided because the ratio of the area between the stainless steel to carbon steel is small and the fasteners will be subject to aggressive attack, thus greater corrosion. Conversely, the rate of attack of a carbon steel connector secured by a stainless steel fastener is much slower. Prevention of bimetallic corrosion is possible by excluding an electrolyte from the connection by painting or taping over the joint. Alternatively, the two metals should be isolated from each other by painting each contact surface or using a non-metallic isolation material, typically nylon, neoprene or Teflon washers, pads, gaskets or bushes depending upon the particular application.



Large ANODE (Carbon Steel) area, small CATHODE (stainless steel fastener) area showing no attack on the fasteners and relatively insignificant attack of carbon steel.



Large Cathode (Stainless Steel) area, small ANODE (carbon steel fastener) area showing no attack on the stainless steel and relatively increased attack of the fastener.

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Solid-Drive™

High-Performance Structural Wood Fasteners.

For inclined and angled installations of our Solid-Drive screws, we recommend using the GSCREW installation guide.

When it comes to structural fasteners, Solid-Drive is the only name you need to know. Our professional-grade screws and nails are precision engineered for strength, versatility and reliability. With innovative designs that make driving fast and easy, the entire Simpson Strong-Tie® Solid-Drive line helps keep installed costs low while meeting the highest demands. Our broad selection of fasteners is available in a wide variety of lengths for any application.

SIMPSON Strong-Tie®

To learn more, go to **strongtie.eu**

We help you build
safer, stronger
structures.

Fixings
Application Guide

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Heavy-Duty Steel to Concrete Anchoring

Mechanical Anchors & Concrete Screws

ATS White Zinc Plated
Heavy-Duty Safety Bolt

Seismic performance C1 and C2, Cracked concrete, Fire resistance R120, p. 52

FM-753 CRACK White Zinc Plated
Heavy-Duty Wedge Anchor

Seismic performance C1 and C2, Immediate expansion, Fire resistance R120, p. 56

FM-753 CRACK A4 Stainless Steel A4
Heavy-Duty Wedge Anchor

Seismic performance C1 and C2, Immediate expansion, Fire resistance R120, p. 58

FM 753 evo White Zinc Plated
Heavy-Duty Wedge Anchor

High resistance class steel, gripping dents for high loads and safety, p. 59

FM-753 3DG 3DG coated
Heavy-Duty Wedge Anchor

Special anti-corrosion coating 3DG, Stainless steel A4 clip, p. 64

FM-MP3 evo White Zinc Plated
Heavy-Duty Through Anchor

Single shell body, Fire resistance R120, p. 68

FM-MP3 evo A4 Stainless Steel A4
Heavy-Duty Through Anchor

Single shell body, Fire resistance R120, p. 72

FM-MP3 evo-L White Zinc Plated
Heavy-Duty Through Anchor

Single shell body extended length, Fire resistance R120, p. 74

FM-MP3 evo SAFER White Zinc Plated
Anti-Intrusion System

Single shell body, Special tamper proof head, p. 76

TSA-PATTEN White Zinc Plated
Metal Sleeve Anchor

Single pressed steel body, Special shaped slots, p. 78

TAP White Zinc Plated
Hammerset Anchor

Rimmed plug, Fire resistance R120, p. 84

CLR6 White Zinc Plated
Hex-head Concrete Screw

Special Thread, Built-in washer, p. 86

VF White Zinc Plated
Cyliinder Head Concrete Screw

Allows fixings near the edge, Small hole diameter, p. 89

VF White Zinc Plated
Countersunk Head Concrete Screw

Allows fixings near the edge, Small hole diameter, p. 89

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Heavy-Duty Steel to Concrete Anchoring

Plugs

X3 White Zinc Plated
High-Performance Long Plug

Washer head, Up to 3 embedment depths, Extreme versatility, p. 93

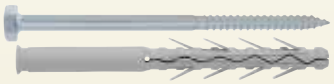
FM-X5 White Zinc Plated
Long Plug for Window and Door Frames

Multi-expansion variable geometry, Low tightening torque, Ultra flexible nylon, p. 96

FM-X5 A4 Stainless Steel A4
Long Plug for Window and Door Frames

Multi-expansion variable geometry, Low tightening torque, Ultra flexible nylon, p. 98

TUP4 White Zinc Plated
Long Nylon High Expansion Plug



Controlled expansion during application, Rounded thread screw, p. 100

TUPP White Zinc Plated
Long Nylon High Expansion Plug

Hex head screw, Built-in washer Ø34, p. 104

Timber Anchoring and Fixing Applications

Fixings

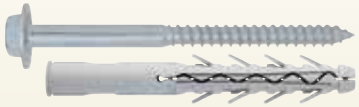
FM 753 evo White Zinc Plated
Wedge Anchor with Large Washer

High resistance class steel, gripping dents for high loads and safety, p. 68

TO Brass
Brass Anchor

External knurling for better grip, Reduced length, p. 82

TUPP White Zinc Plated
Long Nylon High Expansion Plug



Hex head screw, Built-in washer Ø34, p. 104

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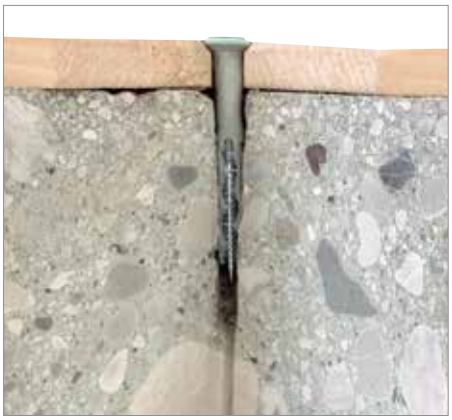
Light Metal and Timber Fixings



Fixings

X1 evo Plug with Countersunk Chipboard Screw

Collapsible rim, Dynamic geometry, Anti-rotation wings, p. 105

X1 evo Plug with Rounded Head Chipboard Screw

Collapsible rim, Dynamic geometry, Anti-rotation wings, p. 105

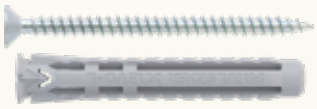
X1 evo Plug with Hex-Head with Built in Washer Wood Screw

Collapsible rim, Dynamic geometry, Anti-rotation wings, p. 105

X1 evo Plug with Hex Head Metric Screw with Washer

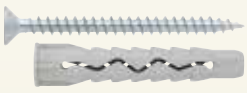
Collapsible rim, Dynamic geometry, Anti-rotation wings, p. 105

X1 evo-L Increased Length Plug with Countersunk Chipboard Screw



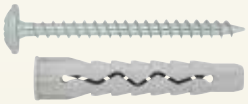
Collapsible rim, Dynamic geometry, Anti-rotation wings, p. 110

XP Nylon Plug with Chipboard Screw



Four strong anti-rotation wings, Plug: nylon PA8, p. 112

XP Nylon Plug with Rounded Head Chipboard Screw



Four strong anti-rotation wings, Plug: nylon PA8, p. 112

TSS Nylon Plug Preassembled with Nail Screw, White Zinc Plated

Countersunk rim, Innovative geometry, p. 118

TSS Nylon Plug Preassembled with Nail Screw, A2 Stainless Steel

Countersunk rim, Innovative geometry, p. 118

TBB Large Rim Nylon Plug Preassembled with Nail Screw, White Zinc Plated

Large rim, Innovative geometry, p. 116

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Light Metal and Timber Fixings

Fixings

TPP Large Collar Plug Preassembled with Nail Screw, White Zinc Plated

Cylindrical rim, Innovative geometry, p. 121

TPP Large Collar Plug Preassembled with Nail Screw, A2 Stainless Steel

Cylindrical rim, Innovative geometry, p. 121

TU Nylon Plug

Anti-rotation wings, Polyamid PA6, p. 124

TU Polypropylene Plug

Anti-rotation wings, Polypropylene, p. 124

Plasterboard Fixings

Fixings

TMT Polypropylene Plug

Anti-rotation wings, Plug: polypropylene. Screws: white zinc plated steel p. 114

TAN Self-drilling Nylon Plug

No pilot hole required, p. 136

TMC Metallic Anchor

Wide washer to cover possible hole imperfections, p. 140

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Sanitary Fixings

Fixings

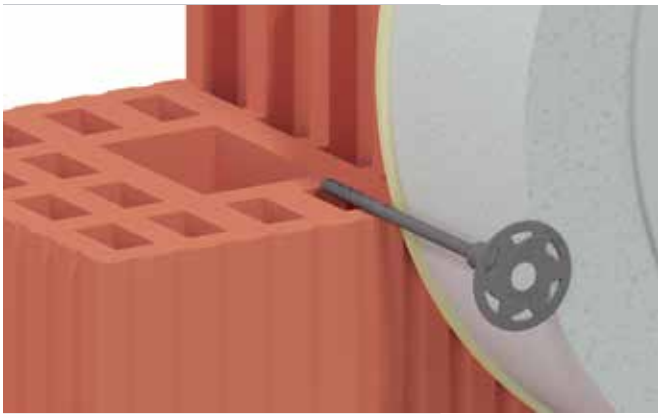
FVEC Vertical WC Fixing
Nickel Brass Plated Screw

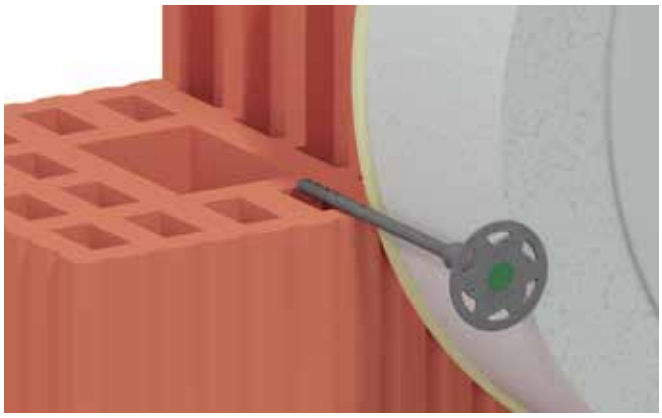
Nylon plug, Nickel plated brass screw, White cover cap, Metalized cover cap, p. 132

FLB Washbasin and Bidet Wall Fixing
White Zinc Plated Screw

Plug: nylon, Bush: nylon, Nut: white zinc plated, Screw: white zinc plated, p. 134

Insulation Fixings





Fixings

ISOX-N Presassembled with Nylon Nail Reinforced with Glass Fibre

PH drive, Bugle Head, Sharp point, Twin thread, p. 142

ISOX-S Preassembled with Steel Nail with Polypropylene Head

No thermal conductivity, Optimised design, p. 142

ISOX-W Preassembled with Steel Screw - T25 Recess

Polyethylene cover cap, Special screw with increased minor diameter, p. 142

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ISOX

Advanced Fixings for External Insulation

ISOX Pre-assembled Insulation Plugs

The ISOX insulation plugs are designed for fastening compression-resistant insulation boards to concrete and masonry surfaces (ETICS system).

High pull-out resistance, in all conditions. Progressive screwing and tightening installation, preventing damage to the insulating panels. Safe fixing on all types of walls, new and old (renovations). Safe fixing on overlaid ETICS (renovations). Polyethylene cover cap to reduce thermal transmission. Special screw with increased minor diameter for a safe and durable fixing. Available as screw-in fixing and hammer in fixing.

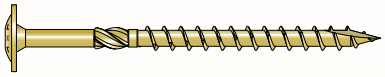
Read more on **strongtie.eu**

SIMPSON Strong-Tie®

Solid Wood Applications

Screws

SWW Yellow Zinc Plated
Structural Wood Screw



Washer head, Serrated coarse thread, Milling thread, Type 17 point, p. 156

SWC Yellow Zinc Plated
Structural Wood Screw

Countersunk head, Serrated coarse thread, Milling thread, p. 158

SWD Protec®+ Coating
Structural Wood Screw

Cap-style head, Double threaded, Chisel point, p. 160

ESCFTZ Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Cylinder head, p. 162

ESCRFT Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Cylinder head, p. 162

ESCRFTC Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Countersunk head, p. 161

TTUFS Electro Galvanised
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

TTZNFS Impreg®+ Coating
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

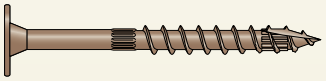
TTSFS Stainless Steel A4
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

SDW E-Coat
Structural Wood Screw

Low-profile head, Bold thread design, p. 164

SDWS Double Barrier Coating
Structural Wood Screw, Outdoor



Low-profile head, Bold thread design, p. 164

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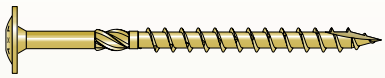
CLT and Mass Timber Applications

Screws

SWW Yellow Zinc Plated
Structural Wood Screw



Washer head, Serrated coarse thread, Milling thread, Type 17 point, p. 156

SWC Yellow Zinc Plated
Structural Wood Screw

Countersunk head, Serrated coarse thread, Milling thread, Type 17 point, p. 158

SWD Protec®+ Coating
Structural Wood Screw

Cap-style head, Double threaded, Chisel point, p. 160

ESCFTZ Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Cylinder head, p. 162

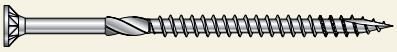
ESCRFT Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Cylinder head, p. 162

ESCRFTC Yellow Zinc Plated
Structural Wood Screw

ETA approved, Fully Threaded, Countersunk head, p. 161

TTUFS Electro Galvanised
Countersunk Wood Screw



6 lobe drive, Type 17 point, Serrated thread, p. 166

TTZNFS Impreg®+ Coating
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

TTSFS Stainless Steel A4
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

CSFT Zinc Flake Coating
Full Thread Connector Screw

Fully threaded, 6 lobe drive, p. 149

SDD Electro Galvanised
Self-Drilling Dowel

Arrow drill point, chip removing groove, Cylinder head, p. 154

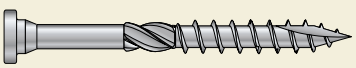
CSA Electro Galvanised
Connector Screw

6 lobe drive, Conical shape under the head, Type 17 point, p. 148

SSH Impreg®+ Coating
Connector Screw

Hex head with integrated 6 lobe drive, Cone for maximum fit, Type 17 point, p. 150

SSF Impreg®+ Coating
Connector Screw



Flat head, Conical shape under the head, Type 17 point, p. 152

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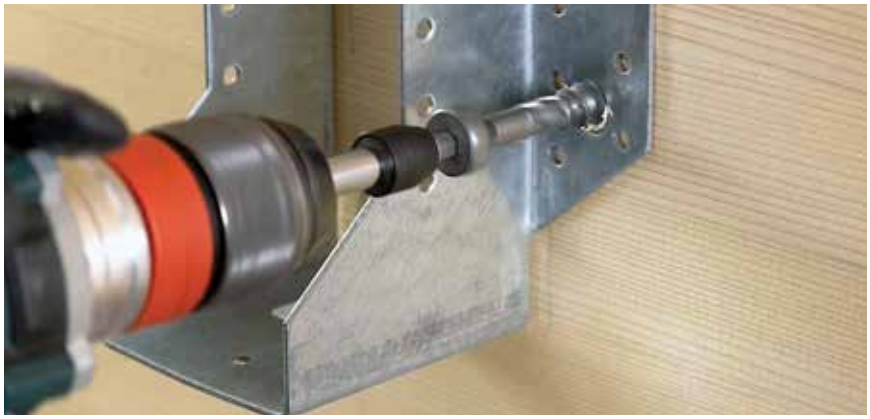
Fasteners for Simpson Strong-Tie® Connectors

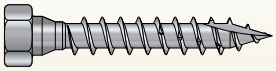


Screws

CSA Electro Galvanised Connector Screw

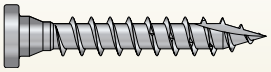
6 lobe drive, Conical shape under the head, Type 17 point, p. 148

SSH Impreg®+ Coating Connector Screw



Hex head with integrated 6 lobe drive, Conical shape under the head, Type 17 point, p. 150

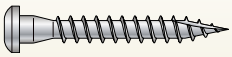
SSF Impreg®+ Coating Connector Screw



Flat head, Conical shape under the head, Type 17 point, p. 152

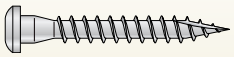
Collated Screws for Quik Drive

CSA-T Electro Galvanised Collated Connector Screw



6 lobe drive, Conical shape under the head, Type 17 point, p. 284

CSA-ZT Impreg®+ Coating Collated Connector Screw



6 lobe drive, Conical shape under the head, Type 17 point, p. 284

CSA-ST Stainless Steel A4 Collated Connector Screw

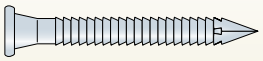
6 lobe drive, Conical shape under the head, Type 17 point, p. 284

Nails

CNA Electro Galvanised Connector Nail

Conical shape under the head, Annular ring thread, p. 216

CNA-G Hot Dip Galvanised Connector Nail



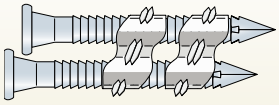
Conical shape under the head, Annular ring thread, p. 216

N3.75 Sheradised or Hot Dip Galvanised Square Twist Nail

Flat head, Square twist profile, p. 217

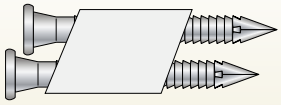
Collated Nails

CNA34G Hot Dip Galvanised Collated Connector Nail



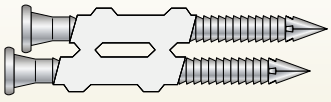
Plastic strip 34°, Conical shape under the head, Annular ring thread, p. 238

CNAPC34 Electro Galvanised Collated Connector Nail



Paper strip 34°, Conical shape under the head, Annular ring thread, p. 239

CNAC15 Electro Galvanised Collated Connector Nail



Plastic coil strip 15°, Conical shape under the head, Annular ring thread, p. 240

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Drywall

Screws

GS Electro Galvanised
Drywall to Steel Screw

PH drive, Bugle Head, Sharp point, Twin thread, p. 201

GS Phosphated
Drywall to Steel Screw

PH drive, Bugle Head, Sharp point, Twin thread, p. 201

GT Electro Galvanised
Drywall to Wood Screw

PH drive, Bugle Head, Sharp point, Coarse thread, p. 204

RST Phosphated
Hard Drywall to Steel Screw

PH drive, Reduced bugle head, Sharp point, Twin thread with reverse thread, p. 203

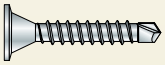
GSB Phosphated
Drywall to Steel Screw

Cross point head, Bugle Head, Drill point, Metal tapping thread, p. 202

GK Electro Galvanised
Drywall to Wood Screw

PH drive, Bugle Head, Sharp point, High-low thread, p. 205

UGSB Protec®
Exterior Drywall to Steel Screw

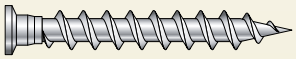


PH drive, Bugle Head, Drill point, Metal tapping thread, p. 202

UGTS Protec®
Exterior Drywall to Wood or Steel Screw

PH drive, Extended bugle head, Sharp point, High-low thread, p. 206

GG Electro Galvanised
Drywall to Drywall Screw



PH drive, Minimal flat head, Sharp point, Coarse thread, p. 206

Collated Screws for Quik Drive

DWC Phosphated
Collated Drywall to Wood Screw

Bugle head, Sharp point with coarse thread, p. 294

DWF Phosphated
Collated Drywall to Steel Screw

Bugle head, Sharp point with fine thread, p. 295

RDWF Phosphated
Collated Drywall to Wood and Steel Screw

Reduced bugle head, Sharp point, Twin thread with reverse thread, p. 296

DWHL Phosphated
Collated Drywall to Wood and Steel Screw

Bugle head, Sharp point with Hi-lo thread, p. 296

DWFSD Yellow Zinc Plated
Collated Drywall to Steel Screw

Bugle head, Tapered point, p. 295

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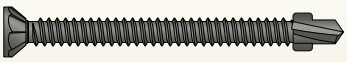
Mezzanine Floor

Collated Screws for Quik Drive

FHSD Electro Galvanised
Collated Mezzanine Floor Screw

Drill point, Ribbed head, p. 302

CBSDQ Quik Guard® Coating
Collated Mezzanine to Steel Screw



Ribbed head, Drill point with wings,
p. 298

Truckbeds

Collated Screws for Quik Drive

TBG N2000 Mechanically Galvanised
Collated Truck Bed Screw

Ribbed Head, Winged drill point ,
p. 299

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Subfloor and Wood Sheathing Applications

Screws

TTF Electro Galvanised
Wood Fibre to Wood Screw

Countersunk with ribs, Coarse thread, Type 17 point, p. 211

TTFF Yellow Zinc Plated
Wood Fibre to Wood Screw

Countersunk with ribs, Sharp point, Coarse thread, p. 211

TTFK Yellow Zinc Plated
Chipboard Screw

Countersunk head, Twin thread, Sharp point, p. 211

Collated Screws for Quik Drive

WSV Yellow Zinc Plated
Collated Subfloor Screw

Flat head with ribs, Variable thread, Sharp point, p. 285

TTF Electro Galvanised
Wood Fibre to Wood Screw

Countersunk with ribs, Coarse thread, Type 17 point, p. 285

MTHZ19E Yellow Zinc Plated
Collated 19 mm Wood Flooring Screw

Sharp point with twin lead thread, p. 287

Collated Nails

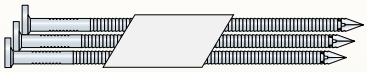
RSN17Z Electro Galvanised
Collated Framing Nail

Plastic strip 17°, Round head, Ring shank, p. 241

RSN21Z Electro Galvanised
Collated Framing Nail

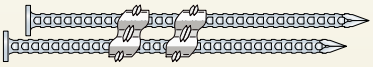
Plastic strip 21°, Round head, Ring shank, p. 242

RSN34G Hot Dip Galvanised
Collated Framing Nail



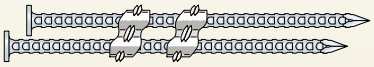
Paper tape 34°, Off-set round head, Ring shank, p. 245

BASN17G Hot Dip Galvanised
Collated Framing Nail



Plastic strip 17°, Round head, Barbed shank, p. 243

BASN21G Hot Dip Galvanised
Collated Framing Nail



Plastic strip 21°, Round head, Barbed shank, p. 244

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Decks, Docks and Boardwalks

Screws

TTSFS Stainless Steel A4
Countersunk Wood Screw

6 lobe drive, Type 17 point, Serrated thread, p. 166

DSPROA2 Stainless Steel A2
Hardwood Decking Screw

6 lobe drive, Double threaded, Chisel point, p. 175

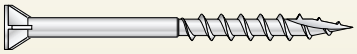
DSPROA4 Stainless Steel A4
Hardwood Decking Screw

6 lobe drive, Double threaded, Chisel point, p. 175

TTFA4 Stainless Steel A4
Decking Screw

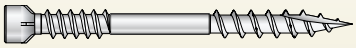
Countersunk with ribs, Coarse thread, Type 17 point, p. 172

DSIX4 Impreg® X4 Coating
Decking Screw



Countersunk with ribs, Coarse thread, Type 17 point, p. 173

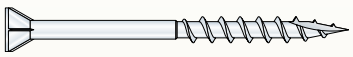
DSPIX4 Impreg® X4 Coating
Decking Screw



Cap head, Coarse thread, Type 17 point p. 174

Collated Screws for Quik Drive

TTFA4 Stainless Steel A4
Decking Screw



Countersunk with ribs, Coarse thread, Type 17 point, p. 289

DSIX4 Impreg® X4 Coating
Decking Screw

Countersunk with ribs, Coarse thread, Type 17 point, p. 289

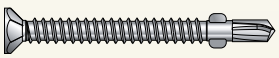
SS3DSC Stainless Steel A4 and A2
Collated Decking Screw

Sharp point, Coarse thread, p. 291

SSDTH Stainless Steel A2
Collated Decking Screw

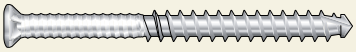
Sharp point, Box thread, p. 290

SSBFHSD Stainless Steel A4
Collated Wood to Metal Screw



Countersunk, Winged point, p. 292

SSDHSD Stainless Steel A2
Collated Hardwood Decking Screw



Tapered point, Countersunk head with ribs, Fine thread, p. 292

SSDHPD Stainless Steel A2
Collated Hardwood Decking Screw

Compact head, Wings on the shaft, p. 292

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Decks, Docks and Boardwalks

Nails

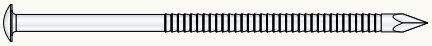
FIRKS Stainless Steel A4
Grooved Nail

Grooved shank, p. 221

ARA4 Stainless Steel A4
Ring Shank Nail

Low oval head, Ring shank, p. 223

MKSA4 Stainless Steel A4
Brick/Wood to Wood Nail



Ring shank, High withdrawal strength, p. 224

CNA-S Stainless Steel A4
Connector Nail

Conical shape under the head, Annular ring thread, p. 216

CNA-G Hot Dip Galvanised
Connector Nail

Conical shape under the head, Annular ring thread, p. 216

FIRKG Hot Dip Galvanised
Wood to Wood Nail

Grooved shank, High withdrawal strength, p. 220

Collated Nails

CLNC0A4 Stainless Steel A4
Collated Cladding Nail

Plastic coil 0°, Round head, 60 degree diamond point, Ring shank, p. 247

RSN17A4 Stainless Steel A4
Collated Framing Nail

Plastic strip 17°, Round head, Ring shank, p. 241

RSN21A4 Stainless Steel A4
Collated Framing Nail

Plastic strip 21°, Round head, Ring shank, p. 242

Accessories

DAP Adjustable Pedestals for tiles or timber decks

Height adjustable between 30-120 mm, Spacers and adapters included, p. 178

DAJT Timber Protection Tape

Strongly adhesive, Durable and impact resistant, Water resistant, p. 179

DAJP Deck Support Pads

Rubber granulate, 3,0 or 8,0 mm pads, p. 179

EB-TY® Premium
Hidden Deck-Fastening System™

Includes EB-GUIDE and trim-head screws, p. 177

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Cladding

Screws

CLSA4 Stainless steel A4
Facade Screw

Flat grey painted head, Double threaded, Type 17 point, p. 180

CLSA4 Stainless steel A4
Facade Screw

Flat black painted head, Double threaded, Type 17 point, p. 180

CLSA4 Stainless steel A4
Facade Screw

Flat brown painted head, Double threaded, Type 17 point, p. 180

CLSA4 Stainless A4
Facade Screw

Flat head, Double threaded, Type 17 point, p. 180

CLSZN Impreg®+ Coating
Facade Screw

Flat head, Double threaded, Type 17 point, p. 180

Collated Screws for Quik Drive

SSDTH Stainless Steel A2
Collated Cladding Screw

Sharp point, Box thread, p. 290

CLSZN-E Impreg®+ Coating
Collated Facade Screw

Flat head, Double threaded, Type 17 point, p. 290

DTHQ Quik Guard Coating
Collated Wood Screw

Trim Head, Type 17 point, p. 293

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Cladding

Nails

CLNA4 Stainless Steel A4
Cladding Nail

Flat head, 60 degree diamond point, Ring shank, p. 228

CLNG Hot Dip Galvanised
Cladding Nail

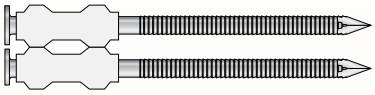
Flat head, 60 degree diamond point, Ring shank, p. 228

Collated Nails

CLNC15A4 Stainless Steel A4
Collated Cladding Nail

Plastic coil 15°, Round head, 60 degree diamond point, Ring shank, p. 248

CLNC0A4 Stainless A4
Collated Cladding Nail



Plastic coil 0°, Round head, 60 degree diamond point, Ring shank, p. 247

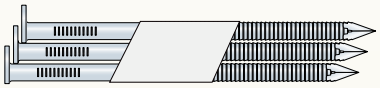
CLNC15G Hot Dip Galvanised
Collated Cladding Nail

Plastic coil 15°, Round head, 60 degree diamond point, Ring shank, p. 248

CLNC0G Hot Dip Galvanised
Collated Cladding Nail

Plastic coil 0°, Round head, 60 degree diamond point, Ring shank, p. 247

CLN34G Hot Dip Galvanised
Collated Cladding Nail



Paper Tape 34°, Off-set round head, 60 degree diamond point, Ring shank, p. 246

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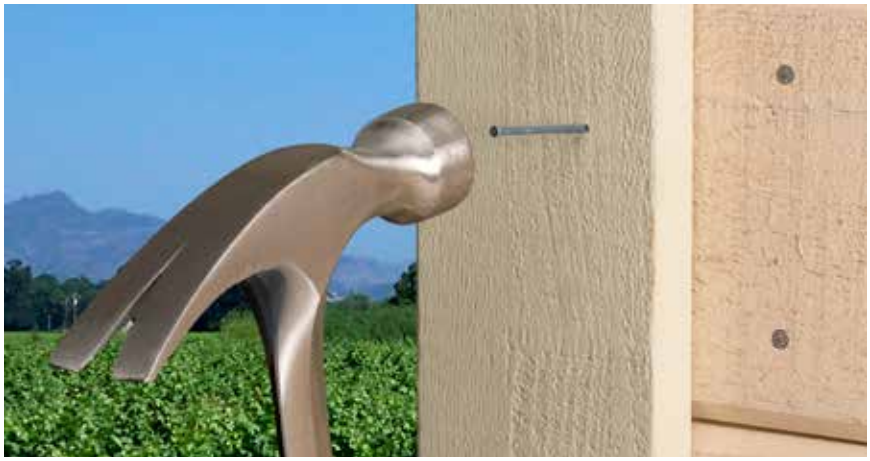
Finishing, Mouldings and Trim

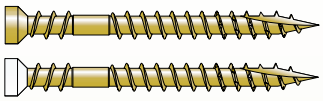


Screws

TSB Yellow Zinc Plated
Skirting to Steel Screw

Countersunk head, Drill point, Twin thread, p. 208

LTSF Yellow Zinc Plated
Skirting to Wood Screw



Trim pan head, Type 17 point, Coarse thread with reverse thread, p. 190

LTSFH Yellow Zinc Plated
Skirting to Wood Screw

Trim pan head, Chisel point, Coarse thread with reverse thread, p. 192

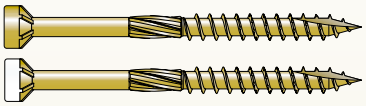
LTSFR Stainless AISI 410
Skirting to Wood Screw

Trim pan head, Type 17 point, Coarse thread with reverse thread, p. 190

FS Protec® coating
Wafer Head Screw

Wafer head, Sharp point, Twin thread, p. 195

LSF Yellow Zinc Plated
Skirting to Wood Screw



Trim pan head, 6 lobe drive, Type 17 point, p. 190

BKF Yellow Zinc Plated
Laminate Screw

Hi-Lo thread, Type 17 point, p. 192

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Finishing, Mouldings and Trim

Nails

BRDEZ Electro Galvanised
Grooved Countersunk Nail

Countersunk head, Grooved shank,
p. 225

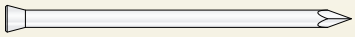
BRDC Lacquered
Drywall to Steel Screw

Countersunk head, Grooved shank,
p. 225

BRDHG Hot Dip Galvanised
Drywall to Wood Screw

Countersunk head, Grooved shank,
p. 225

ODYK Electro Galvanised
Round Shank Nail



Countersunk head, Round shank,
p. 226

BRN Brass
Round Brass Nail

Oval head, Round shank, p. 227

Collated Nails

MD16GA Electro Galvanised
Collated Finishing Nail

Brad 0°, p. 254

MD18GA Electro Galvanised
Collated Finishing Nail

Brad 0°, p. 254

MDDA34 Electro Galvanised
Collated Finishing Nail

D-style head, Brad 34°, p. 256

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Fibre Cement- & Wood Fibre Board Applications

Screws

FBCS Impreg®+ Coating
Fibre Cement Screw

Countersunk head with ribs, Sharp point, p. 207

FBCB Impreg®+ Coating
Fibre Cement Screw

Countersunk head with ribs, Drill point, p. 207

TSB Yellow Zinc Plated
Drywall to Steel Screw

Countersunk head, Drill point, Twin thread, p. 208

TTF Electro Galvanised
Wood Fibre to Wood Screw

Countersunk with ribs, Coarse thread, Type 17 point, p. 211

TTFF Yellow Zinc Plated
Wood Fibre to Wood Screw

Countersunk with ribs, Sharp point, Coarse thread, p. 211

TT Phosphated
Wood Fibre to Steel Screw

Flat head with ribs, Sharp point, Twin thread, p. 211

Collated Screws for Quik Drive

MTH Phosphated
Collated Underlayment to Wood Screw

Square drive, High-low thread, Sharp point, p. 287

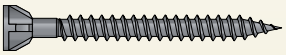
WSHL Phosphated
Collated Underlayment to Wood Screw

Rimmed flat head with nibs, Hi-lo threads, Sharp point, p. 287

CBSDQ Quik Guard® Coating
Collated Fibre Cement Board to Steel Screw

Ribbed head, Drill point with wings, p. 298

FBCS-E Impreg®+ Coating
Collated Fibre Cement Screw



Countersunk head with ribs, Sharp point, p. 299

FBCB-E Impreg®+ Coating
Collated Fibre Cement Screw

Countersunk head with ribs, Drill point, p. 299

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Siding on Wood and Steel

Screws

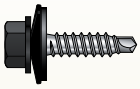
FARMZC Electro Galvanised
Roofing and Cladding to Wood Screw

Hex head, Drill point, Painted head, EPDM washer, p. 185

FARML Electro Galvanised
Roofing and Cladding to Wood Screw

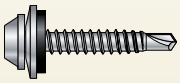
Painted Pan head, Drill point, EPDM washer, p. 185

FARMA Electro Galvanised
Stitching Screw



Hex head, Drill point, Painted head, EPDM washer, p. 185

VBSC Electro Galvanised
Capping Screw



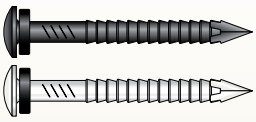
Painted panhead, Drill point, EPDM washer, p. 189

Nails

TNA Aluminium
Ring Shank Nail with Washer

Low oval head with washer, Ring shank, EPDM washer, p. 229

TNC Electro Galvanised + Painted
Ring Shank Nail with Washer



Low oval head with washer, Ring shank, EPDM washer, p. 232

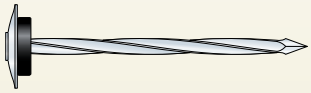
ARA4W Stainless Steel A4
Ring Shank Nail with Washer

Low oval head, Ring shank, EPDM washer, p. 231

RNTG Hot Dip Galvanised
Roofing Twisted Nail

Twisted shank, Bell head, p. 231

RNTWG Hot Dip Galvanised
Roofing Twisted Nail with EPDM-washer



Twisted shank, Bell head, EPDM-washer, p. 231

RNWGC Hot Dip Galvanised + Lacquered
Roofing Nail with EPDM-washer

Ring shank, Bell head, EPDM-washer, p. 232

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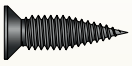
Metal to Metal

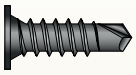
Screws

SSP Phosphated
Steel to Steel Screw



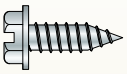
Metal tapping thread, Sharp point
p. 199

FSM Phosphated
Steel to Steel Screw



Metal tapping thread, Drill point, p.
199

HS Electro Galvanised
Steel to Steel Screw



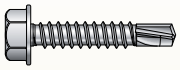
Metal tapping thread, Sharp point,
p. 199

HSB Electro Galvanised
Steel to Steel Screw

Metal tapping thread, Drill point, p.
199

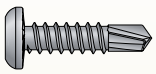
Collated Screws for Quik Drive

X Electro Galvanised
Collated Self Drilling Metal Screw



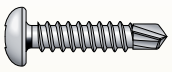
8 mm hex head, Drill point, Hex washer
head, p. 301

FPHSD Electro Galvanised
Collated Steel Framing Screw



Flat head, Drill point with fine thread,
p. 302

PHSD Electro Galvanised
Collated Steel Framing Screw



Pan head, Drill point with fine thread,
p. 302

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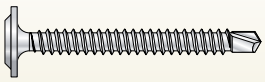
Wood to Metal

Screws

BW Protec
Wood to Steel Drill Wing Screw

Ribbed flat head, Drill point with wings, Metal tapping thread, p. 194

FSB Electro Galvanised / Protec
Wafer Head Steel Screw



Wafer head, Drill point, Metal tapping thread, p. 197

FSBZN Impreg+ Coating
Wafer Head Steel or Wood Screw

Wafer head, Drill point, Metal tapping thread, p. 198

Collated Screws for Quik Drive

CBSDQ Quik Guard® Coating
Collated Wood to Metal Screw

Ribbed head, Drill point with wings, p. 298

FHSD Electro Galvanised
Collated Wood to Metal Screw

Drill point, Ribbed head, p. 288

TBG N2000 Mechanically Galvanised
Collated Truck Bed Screw

Ribbed Head, Winged drill point , p. 299

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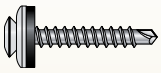
Roofing

Screws

FARMZC Electro Galvanised
Roofing and Cladding to Wood Screw

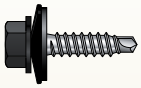
Hex head, Drill point, Painted head, EPDM washer, p. 185

FARML Electro Galvanised
Roofing and Cladding to Wood Screw



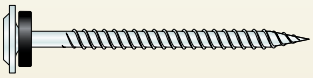
Painted Pan head, Drill point, EPDM washer, p. 185

FARMA Electro Galvanised
Stitching Screw



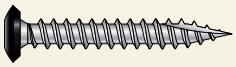
Hex head, Drill point, Painted head, EPDM washer, p. 185

FSWA2 Stainless A2
Roof TIle to Wood Screw



Wafer head, Sharp point, Twin thread, EPDM-washer, p. 196

TPSC Stainless AISI 410
Roofing Plate Screw



Painted head, Type 17 point, Serrated coarse thread, p. 193

Collated Screws for Quik Drive

SSWSCB Stainless Steel A2
Collated Roof Tile to Wood Screw

Reduced bugle head, Twin thread with reverse thread, p. 301

PCULP Yellow Zinc Plated
Collated Standing-Seam-Roofing Screw

Ultra low profile pancake head, Type 17 point, p. 300

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Roofing

Nails

PAPP Hot Dlp Galvanised
Round Clout Nail

Flat head, Round shank, p. 233

RNTG Hot Dip Galvanised
Roofing Twisted Nail

Twisted shank, Bell head, p. 231

RNTWG Hot Dlp Galvanised
Roofing Twisted Nail with EPDM-washer

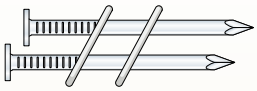
Twisted shank, Bell head, EPDM-washer, p. 231

RNWGC Hot Dlp Galvanised + Lacquered
Roofing Nail with EPDM-washer

Ring shank, Bell head, EPDM-washer, p. 232

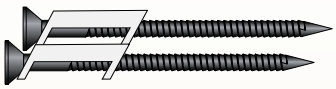
Collated Nails

PAPPC15G Hot Dip Galvanised
Collated Clout Nail



Wire coil 15°, Flat head, Smooth shank, p. 250

SC15C Lacquered
Collated Roofing Plate Nail/Screw



Plastic coil 15°, Threaded shank, PH2 recess, p. 251

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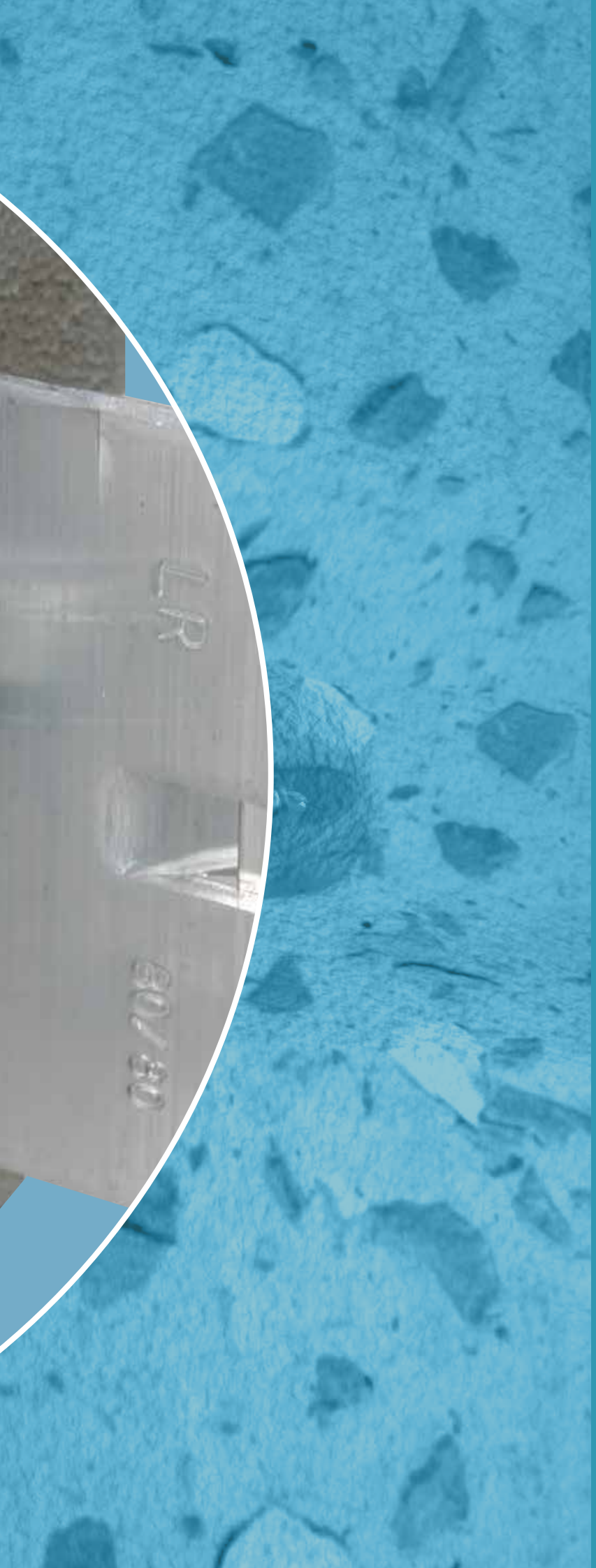
High-Performance Anchoring Systems



Anchors

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ATS-evo
Heavy Duty **SAFETY BOLT** with Seismic Certification

Force-controlled expansion anchor for heavy loads in sizes M6 - M24 for anchoring in cracked and non-cracked concrete C20/25 - C50/60, as well as for seismic areas.
Seismic actions of the performance category C1/C2

Benefits:
- Seismic performance C1 and C2
- Cracked concrete
- Fire resistance R120

Applications:
- Steel constructions
- Industrial construction
- Steel and metal construction (railings, brackets, etc.)
- Anchorages for gates and machines
- Cable routes / pipe installations
- Seismic effects of category C1/C2
- Fire impact R30 to R120
- Sprinkler systems / shelters

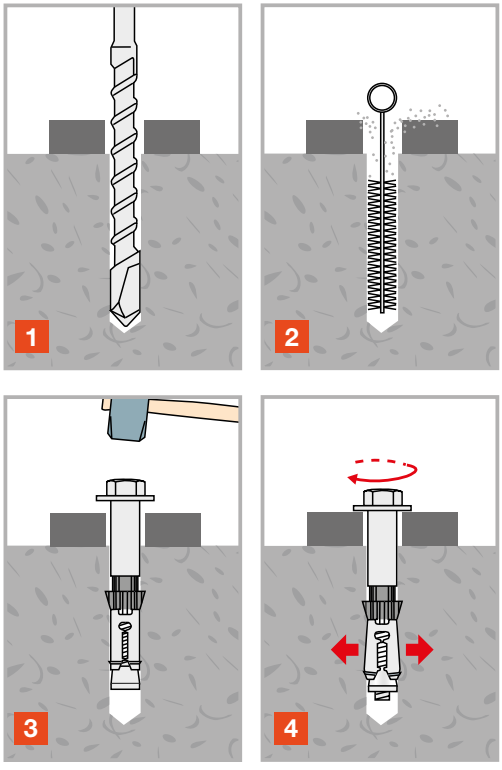
Material:
- Threaded bar/screw = steel grade 8.8
- White zinc plated

Suitable for:
- Cracked and un-cracked concrete

ETA 10/0423 - op. 1 | SEISMIC C1 C2 | R120 | FIX CALC

ATS-evo B | ATS-evo S | ATS-evo SK

Installation:



SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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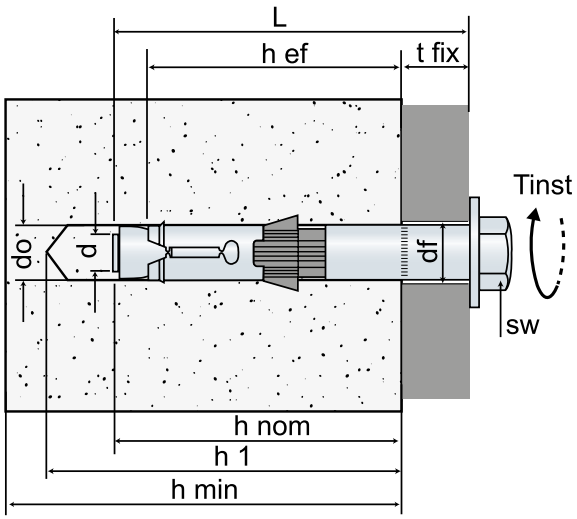
Heavy Duty Fixings with Seismic Certification

ETA 10/0423 - op. 1

ATS-evo B

Item code	Dimensions [mm]										Qty per box
	Screw size [d]	Type [d_o/t_{fix}]	Length [L]	Min. hole depth [h_1]	Nom. embed. depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole Ø of fixing element [d_f]	Min. support thickness [h_{min}]	Torque [t_{inst}]	Wrench [SW]	
79402B1007000	M6	Ø10/10*)	70	75	60	49	12	100	10	10	50
79402B1008000	M6	Ø10/20*)	80	75	60	49	12	100	10	10	50
79402B1011000	M6	Ø10/50*)	110	75	60	49	12	100	10	10	50
79402B1208000	M8	Ø12/10	80	85	70	59	14	120	20	13	25
79402B1209000	M8	Ø12/20	90	85	70	59	14	120	20	13	25
79402B1212000	M8	Ø12/50	120	85	70	59	14	120	20	13	25
79402B1509000	M10	Ø15/10	90	95	80	67	17	140	45	17	20
79402B1510000	M10	Ø15/20	100	95	80	67	17	140	45	17	20
79402B1513000	M10	Ø15/50	130	95	80	67	17	140	45	17	20
79402B1518000	M10	Ø15/100	180	95	80	67	17	140	45	17	20
79402B1509000	M12	Ø18/10	110	115	100	88	20	180	80	18	20
79402B1812500	M12	Ø18/25	125	115	100	88	20	180	80	19	20
79402B1513000	M12	Ø18/50	150	115	100	88	20	180	80	19	20
79402B1820000	M12	Ø18/100	200	115	100	88	20	180	80	19	20
79402B2412500	M16	Ø24/10	125	130	115	99	26	200	150	24	10
79402B2414000	M16	Ø24/25	140	130	115	99	26	200	150	24	10
79402B2416500	M16	Ø24/50	165	130	115	99	26	200	150	24	10
79402B2421500	M16	Ø24/100	215	130	115	99	26	200	150	24	10
79402B2816000	M20**)	Ø28/10	155	160	145	125	31	250	1701	30	4
79402B2818000	M20**)	Ø28/30	175	160	145	125	31	250	1701	30	4
79402B2821000	M20**)	Ø28/60	205	160	145	125	31	250	1701	30	4
79402B2825000	M20**)	Ø28/100	245	160	145	125	31	250	1701	30	4
79402B3218000	M24**)	Ø32/10	175	180	165	150	35	300	200	36	4
79402B3220000	M24**)	Ø32/30	195	180	165	150	35	300	200	36	4
79402B3223000	M24**)	Ø32/60	225	180	165	150	35	300	200	36	4

*) Seismic certification category C1 only
**) Available on demand



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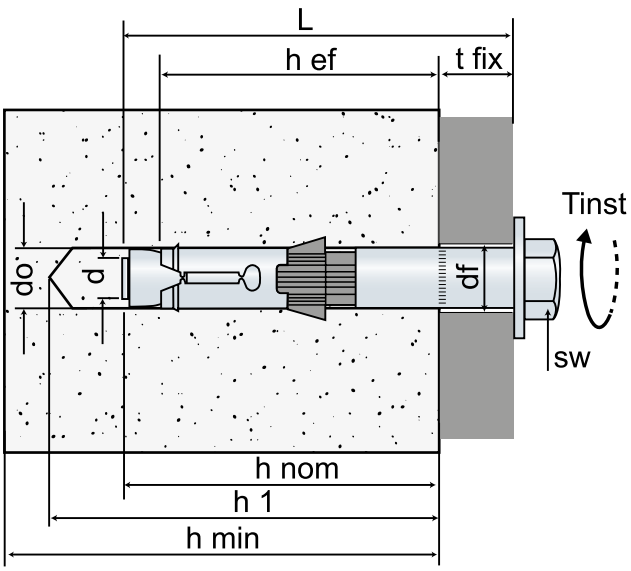
Heavy Duty Fixings with Seismic Certification

ETA 10/0423 - op. 1

ATS-evo S

Item code	Dimensions [mm]										Qty per box
	Screw size [d]	Type [d_o/t_{fix}]	Length [L]	Min. hole depth [h_1]	Nom. embed. depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole Ø of fixing element [d_f]	Min. support thickness [h_{min}]	Torque [t_{inst}]	Wrench [SW]	
79302B1007000	M6	Ø10/10*)	70	75	60	49	12	100	10	10	50
79302B1008000	M6	Ø10/20*)	80	75	60	49	12	100	10	10	50
79302B1011000	M6	Ø10/50*)	110	75	60	49	12	100	10	10	50
79302B1208000	M8	Ø12/10	80	85	70	59	14	120	20	13	25
79302B1209000	M8	Ø12/20	90	85	70	59	14	120	20	13	25
79302B1212000	M8	Ø12/50	120	85	70	59	14	120	20	13	25
79302B1509000	M10	Ø15/10	90	95	80	67	17	140	45	17	20
79302B1510000	M10	Ø15/20	100	95	80	67	17	140	45	17	20
79302B1513000	M10	Ø15/50	130	95	80	67	17	140	45	17	20
79302B1518000	M10	Ø15/100	180	95	80	67	17	140	45	17	20
79302B1811000	M12	Ø18/10	110	115	100	88	20	180	80	18	20
79302B1812500	M12	Ø18/25	125	115	100	88	20	180	80	19	20
79302B1815000	M12	Ø18/50	150	115	100	88	20	180	80	19	20
79302B1820000	M12	Ø18/100	200	115	100	88	20	180	80	19	20
79302B2412500	M16	Ø24/10	125	130	115	99	26	200	150	24	10
79302B2414000	M16	Ø24/25	140	130	115	99	26	200	150	24	10
79302B2416500	M16	Ø24/50	165	130	115	99	26	200	150	24	10
79302B2421500	M16	Ø24/100	215	130	115	99	26	200	150	24	10
79302B2816000	M20**)	Ø28/10	155	160	145	125	31	250	1701	30	4
79302B2818000	M20**)	Ø28/30	175	160	145	125	31	250	1701	30	4
79302B2821000	M20**)	Ø28/60	205	160	145	125	31	250	1701	30	4
79302B2825000	M20**)	Ø28/100	245	160	145	125	31	250	1701	30	4
79302B3218000	M24**)	Ø32/10	175	180	165	150	35	300	200	36	4
79302B3220000	M24**)	Ø32/30	195	180	165	150	35	300	200	36	4
79302B3223000	M24**)	Ø32/60	225	180	165	150	35	300	200	36	4

*) *Seismic certification category C1 only*



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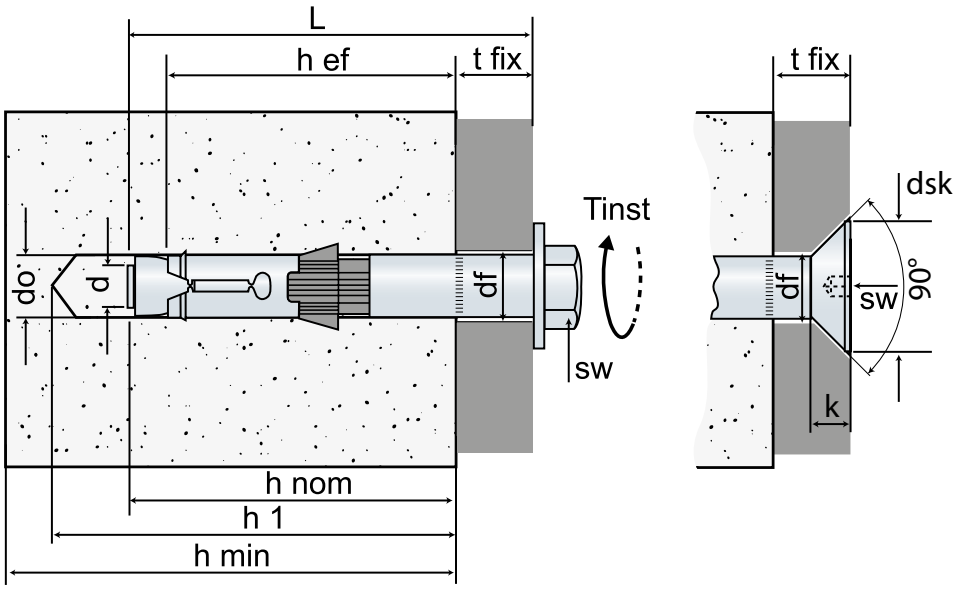
Heavy Duty Fixings with Seismic Certification

ETA 10/0423 - op. 1

ATS-evo SK

Item code	Dimensions [mm]												Qty per box
	Screw size [d]	Type [d_o/t_{fix}]	Length [L]	Min. hole depth [h_1]	Nom. embed. depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole Ø of fixing element [d_f]	Min. support thickness [h_{min}]	Torque [t_{inst}]	dsk	k	Wrench [SW]	
79303B1007000	M6	Ø10/15 sk	15	75	60	49	12	100	10	17	5	5	50
79303B1008000	M6	Ø10/25 sk	25	75	60	49	12	100	10	17	5	5	50
79303B1208000	M8	Ø12/16 sk	16	85	70	59	14	120	20	21	6	6	25
79303B1209000	M8	Ø12/26 sk	26	85	70	59	14	120	20	21	6	6	25
79303B1212000	M8	Ø12/56 sk	56	85	70	59	14	120	20	21	6	6	25
79303B1509000	M10	Ø15/17 sk	17	95	80	67	17	140	45	26	7	8	20
79303B1510000	M10	Ø15/27 sk	27	95	80	67	17	140	45	26	7	8	20
79303B1812500	M12	Ø18/33 sk	33	115	100	88	20	180	80	31	8	10	20

*) *Seismic certification category C1 only*



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FM-753 CRACK Heavy Duty **WEDGE ANCHOR** with Seismic Certification

Heavy-duty wedge anchor for the medium load range in sizes M8 - M16 for anchoring in cracked and non-cracked concrete C20/25 - C50/60, as well as for seismic actions of the performance category C1/C2.

Benefits:
- Dynamic and seismic loads
- Seismic performance C1 and C2
- Immediate expansion
- Increased thickness of three expander segments
- Nine gripping dents for greater adhesion to hole wall
- Fire resistance R120

Applications:
- Structural fixings
- Steel constructions
- Seismic applications

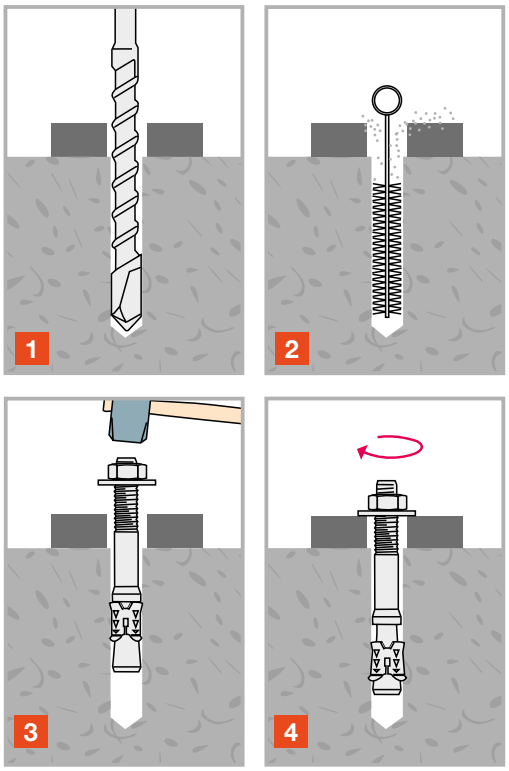
Material:
- Anchor body hardened and tempered steel grade 9.8 or stainless steel A4
- Special anti-corrosion coating 3DG with glossy finish
- Stainless steel A4 clip

Suitable for:
- Cracked or non-cracked concrete
- Solid stone

3DG | Stainless Steel A4

ETA 09/0056 - op. 1 | ETA 10/0293 - op.1 | SEISMIC C1 C2 | R 120 | FIX CALC

Installation:



SIMPSON Strong-Tie FRÜLS:DER
Supplied in dual-branded packaging

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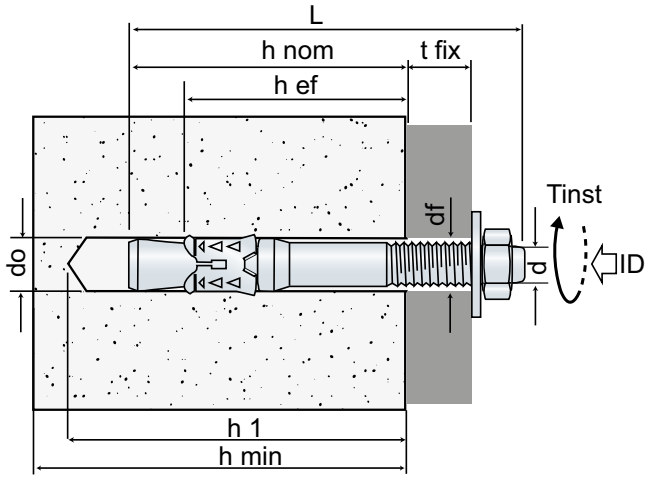
Heavy Duty Fixings with Seismic Certification

ETA 09/0056 - op. 1

FM-753 CRACK 3DG

Item code	Dimensions [mm]									Seismic cert.	Qty per box	Qty per outer box
	ØxL	ID[1]	Fixture thickness [$t_{fix,max}$]		Hole diameter in fixture [d_f]	Hole diameter [d_o] x depth [h_1] in substrate		Setting depth [h_{ef}]				
			with standard setting depth	with reduced setting depth		with standard setting depth	with reduced setting depth	Min. [$h_{ef,STD}$]	Reduced [$h_{ef,RED}$]			
75350B0806800	M8X68	A	4	18	9	8X70	8X56	48	34	C1	100	400
75350B0807500	M8X75	B	10	24	9	8X70	8X56	48	34	C1	100	400
75350B0809000	M8X90	C	25	39	9	8X70	8X56	48	34	C1	100	400
75350B0811500	M8X115	D	50	64	9	8X70	8X56	48	34	C1	100	400
75350B0813500	M8X135	E	70	84	9	8X70	8X56	48	34	C1	100	400
75350B0816500	M8X165	G	100	114	9	8X70	8X56	48	34	C1	50	200
75350B1009000	M10X90	A	10	30	12	10X80	10X60	60	40	C1/C2	50	200
75350B1010500	M10X105	B	25	45	12	10X80	10X60	60	40	C1/C2	50	200
75350B1011500	M10X115	C	35	55	12	10X80	10X60	60	40	C1/C2	50	200
75350B1013500	M10X135	D	55	75	12	10X80	10X60	60	40	C1/C2	50	200
75350B1015500	M10X155	E	75	95	12	10X80	10X60	60	40	C1/C2	50	200
75350B1018500	M10X185	F	105	125	12	10X80	10X60	60	40	C1/C2	25	100
75350B1211000	M12X110	A	10	30	14	12X100	12X80	72	52	C1/C2	50	200
75350B1212000	M12X120	B	20	40	14	12X100	12X80	72	52	C1/C2	50	200
75350B1214500	M12X145	C	45	65	14	12X100	12X80	72	52	C1/C2	25	100
75350B1217000	M12X170	D	70	90	14	12X100	12X80	72	52	C1/C2	25	100
75350B1220000	M12X200	E	100	120	14	12X100	12X80	72	52	C1/C2	25	100
75350B1613000	M16X130	A	10	30	18	16X115	16X95	86	66	C1/C2	20	80
75350B1615000	M16X150	B	30	50	18	16X115	16X95	86	66	C1/C2	20	80
75350B1618500	M16X185	C	60	80	18	16X115	16X95	86	66	C1/C2	20	80
75350B1622000	M16X220	D	100	120	18	16X115	16X95	86	66	C1/C2	15	60

[1] *Ident. mark, product length*



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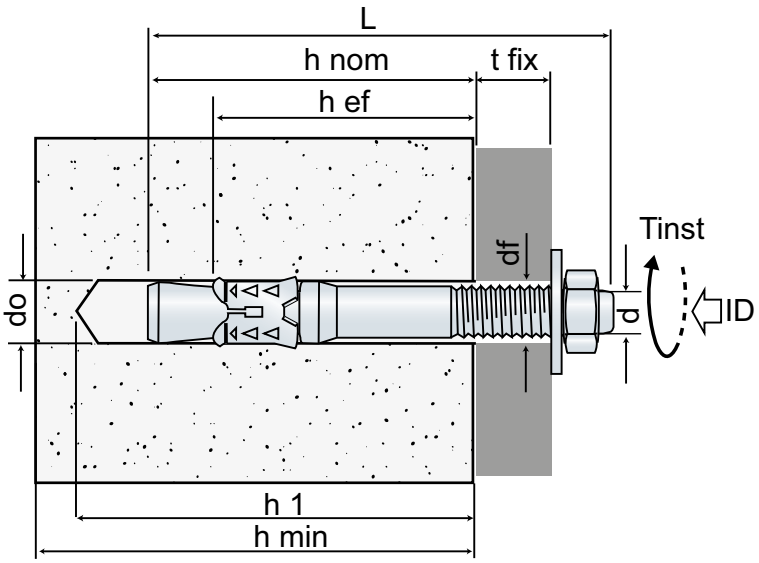
Heavy Duty Fixings with Seismic Certification

ETA 10/0293 - op.1

FM-753 CRACK A4

Item code	Dimensions [mm]									Seismic cert.	Qty per box	Qty per outer box
	ØxL	ID[1]	Fixture thickness [$t_{fix,max}$]		Hole diameter in fixture [d_f]	Hole diameter [d_o] x depth [h_1] in substrate		Setting depth [h_{ef}]				
			with standard setting depth	with reduced setting depth		with standard setting depth	with reduced setting depth	Min. [$h_{ef,STD}$]	Reduced [$h_{ef,RED}$]			
7535000806800	M8X68	A	4	18	9	8X70	8X56	48	34	C1/C2	100	400
7535000807500	M8X75	B	10	24	9	8X70	8X56	48	34	C1/C2	100	400
7535000809000	M8X90	C	25	39	9	8X70	8X56	48	34	C1/C2	100	400
7535000811500	M8X115	D	50	64	9	8X70	8X56	48	34	C1/C2	100	400
7535000813500	M8X135	E	70	84	9	8X70	8X56	48	34	C1/C2	100	400
7535000816500	M8X165	G	100	114	9	8X70	8X56	48	34	C1/C2	50	200
7535001009000	M10X90	A	10	30	12	10X80	10X60	60	40	C1/C2	50	200
7535001010500	M10X105	B	25	45	12	10X80	10X60	60	40	C1/C2	50	200
7535001011500	M10X115	C	35	55	12	10X80	10X60	60	40	C1/C2	50	200
7535001013500	M10X135	D	55	75	12	10X80	10X60	60	40	C1/C2	50	200
7535001015500	M10X155	E	75	95	12	10X80	10X60	60	40	C1/C2	50	200
7535001018500	M10X185	F	105	125	12	10X80	10X60	60	40	C1/C2	25	100
7535001211000	M12X110	A	10	30	14	12X100	12X80	72	52	C1/C2	50	200
7535001212000	M12X120	B	20	40	14	12X100	12X80	72	52	C1/C2	50	200
7535001214500	M12X145	C	45	65	14	12X100	12X80	72	52	C1/C2	25	100
7535001217000	M12X170	D	70	90	14	12X100	12X80	72	52	C1/C2	25	100
7535001220000	M12X200	E	100	120	14	12X100	12X80	72	52	C1/C2	25	100
7535001613000	M16X130	A	10	30	18	16X115	16X95	86	66	C1/C2	20	80
7535001615000	M16X150	B	30	50	18	16X115	16X95	86	66	C1/C2	20	80
7535001618500	M16X185	C	60	80	18	16X115	16X95	86	66	C1/C2	20	80
7535001622000	M16X220	D	100	120	18	16X115	16X95	86	66	C1/C2	15	60

[1] *Ident. mark, product length*



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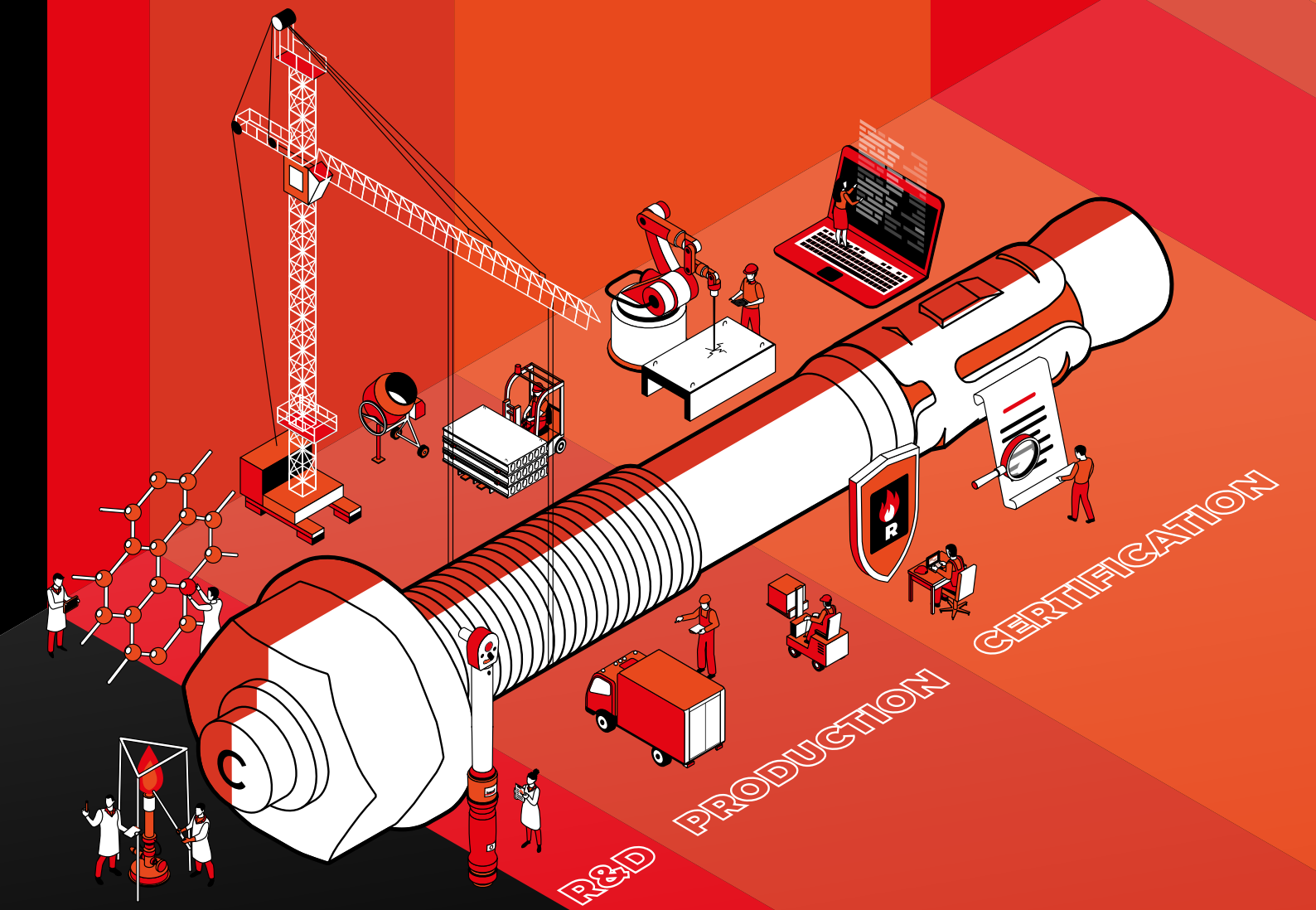
TINY DETAILS FOR GREAT FIXING SOLUTIONS

FM 753 EVO THE NEW RANGE OF HEAVY DUTY CONCRETE ANCHORS



FRIULSIDER
YOUR FIXING FACTORY

SIMPSON
Strong-Tie

FM 753 evo
Heavy Duty **WEDGE ANCHOR**

The new FM 753 evo is a heavy-duty wedge anchor for the medium-high load range, in sizes M6 - M20 for anchoring in non-cracked concrete C20/25 - C50/60.

Benefits:
- Optimised geometry for high performances
- Clip with gripping dents for high loads and safety
- High resistance class steel for top performance
- Surface treatment fine tuned for optimally functioning clip/cone
- Wide range of certified anchors

Applications:
- Railings
- Metal and wood carpentry
- Facades

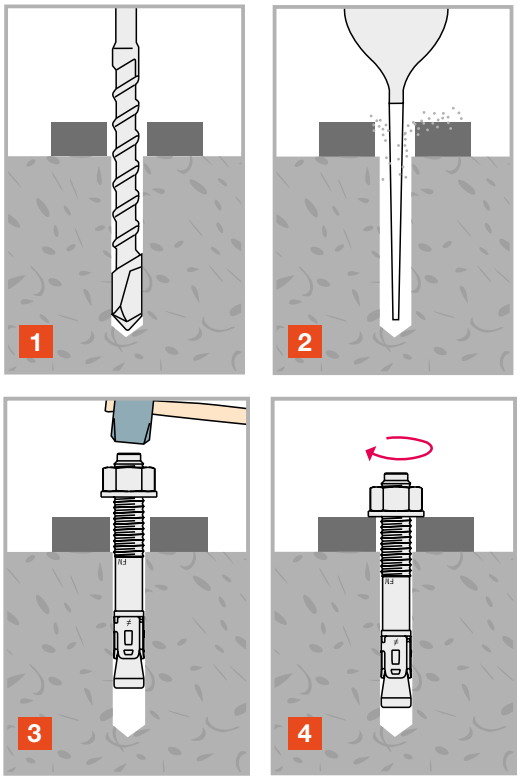
Material:
- Cold formed carbon steel body with special geometry clip
- White Zinc Plated

Suitable for:
- Non-cracked concrete
- Solid stone

ETA 22/0792

FM 753 evo FM 753 evo-LW

Installation:



SIMPSON Strong-Tie FRÜLS:DER
Supplied in dual-branded packaging

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Heavy Duty Fixings

ETA 22/0792

FM 753 evo

Item code	Dimensions [mm]									Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness [t_{fix}]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Embedment depth [h_{ef}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
75340B0604800	M6X48*)/**)	A	3	6	45	36	30	7	90	8	10	150	1500
75340B0606500	M6X65	B	10	6	55	46	40	7	100	8	10	100	1000
75340B0608500	M6X85	C	30	6	55	46	40	7	100	8	10	100	1000
75340B0610000	M6X100	D	45	6	55	46	40	7	100	8	10	50	500
75340B0805300	M8X53*)/**)	A	5	8	50	38	30	9	90	15	13	100	400
75340B0806800	M8X68	B	5	8	65	53	45	9	100	15	13	100	400
75340B0807300	M8X73	C	10	8	65	53	45	9	100	15	13	100	400
75340B0808300	M8X83	D	20	8	65	53	45	9	100	15	13	100	400
75340B0809300	M8X93	E	30	8	65	53	45	9	100	15	13	100	400
75340B0810300	M8X103	F	40	8	65	53	45	9	100	15	13	100	400
75340B0811300	M8X113	G	50	8	65	53	45	9	100	15	13	100	400
75340B0813300	M8X133	H	70	8	65	53	45	9	100	15	13	100	400
75340B0816300	M8X163	I	100	8	65	53	45	9	100	15	13	50	200
75340B1006300	M10X63*)/**)	A	5	10	55	45	35	12	90	30	17	50	200
75340B1007800	M10X78	B	5	10	70	60	50	12	100	30	17	50	200
75340B1008300	M10X83	C	10	10	70	60	50	12	100	30	17	50	200
75340B1009300	M10X93	D	20	10	70	60	50	12	100	30	17	50	200
75340B1010300	M10X103	E	30	10	70	60	50	12	100	30	17	50	200
75340B1011300	M10X113	F	40	10	70	60	50	12	100	30	17	50	200
75340B1012300	M10X123	G	50	10	70	60	50	12	100	30	17	50	200
75340B1014300	M10X143	H	70	10	70	60	50	12	100	30	17	50	200
75340B1017300	M10X173	I	100	10	70	60	50	12	100	30	17	25	100
75340B1021300	M10X213	L	140	10	70	60	50	12	100	30	17	25	100
75340B1208500	M12X85*)/**)	A	5	12	75	63	50	14	120	50	19	50	200
75340B1210400	M12X104	B	5	12	90	78	65	14	130	50	19	50	200
75340B1210900	M12X109	C	10	12	90	78	65	14	130	50	19	50	200
75340B1211900	M12X119	D	20	12	90	78	65	14	130	50	19	50	200
75340B1212900	M12X129	E	30	12	90	78	65	14	130	50	19	25	100
75340B1213900	M12X139	F	40	12	90	78	65	14	130	50	19	25	100
75340B1214900	M12X149	G	50	12	90	78	65	14	130	50	19	25	100
75340B1217900	M12X179	H	80	12	90	78	65	14	130	50	19	25	100
75340B1219900	M12X199	I	100	12	90	78	65	14	130	50	19	25	100
75340B1221900	M12X219	L	120	12	90	78	65	14	130	50	19	20	80
75340B1223900	M12X239	M	140	12	90	78	65	14	130	50	19	20	80
75340B1225900	M12X259	N	160	12	90	78	65	14	130	50	19	20	80
75340B1226900	M12X269	O	170	12	90	78	65	14	130	50	19	20	80
75340B1229900	M12X299	P	200	12	90	78	65	14	130	50	19	20	80
75340B1231900	M12X319	Q	220	12	90	78	65	14	130	50	19	20	80
75340B1233900	M12X339	R	240	12	90	78	65	14	130	50	19	15	60
75340B1236900	M12X369	S	270	12	90	78	65	14	130	50	19	15	-

**) Short series with reduced embedment depth*
***) Not covered by CE certification*
1) Ident. mark, product length

Table continues on next page.

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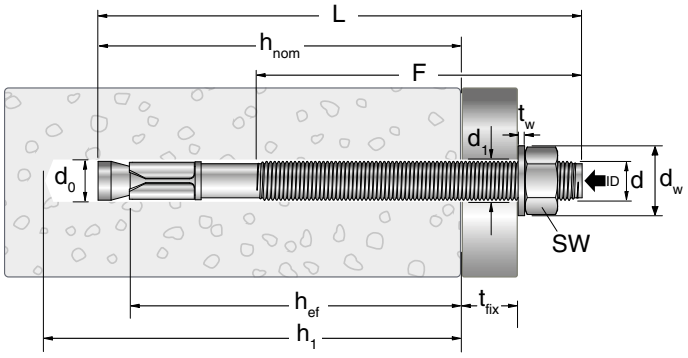
Heavy Duty Fixings

ETA 22/0792

FM 753 evo (continued)

Item code	Dimensions [mm]									Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness [t_{fix}]	Hole diameter [d_0]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Embedment depth [h_{ef}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
75340B1611000	M16X110*)/**)	A	15	16	89	75	59	18	140	100	24	20	80
75340B1613100	M16X131	B	10	16	110	96	80	18	160	100	24	20	80
75340B1615100	M16X151	C	30	16	110	96	80	18	160	100	24	20	80
75340B1617100	M16X171	D	50	16	110	96	80	18	160	100	24	15	60
75340B1620100	M16X201	E	80	16	110	96	80	18	160	100	24	15	60
75340B1622100	M16X221	F	100	16	110	96	80	18	160	100	24	15	60
75340B1624100	M16X241	G	120	16	110	96	80	18	160	100	24	10	40
75340B1626100	M16X261	H	140	16	110	96	80	18	160	100	24	10	40
75340B1628100	M16X281	I	160	16	110	96	80	18	160	100	24	10	40
75340B1632100	M16X321	L	200	16	110	96	80	18	160	100	24	10	40
75340B2017300	M20X173**)	B	30	20	130	117	100	22	200	200	30	10	40
75340B2022300	M20X223**)	D	80	20	130	117	100	22	200	200	30	10	-
75340B2026300	M20X263**)	E	120	20	130	117	100	22	200	200	30	10	-

*) *Short series with reduced embedment depth*
**) *Not covered by CE certification*
1) *Ident. mark, product length*



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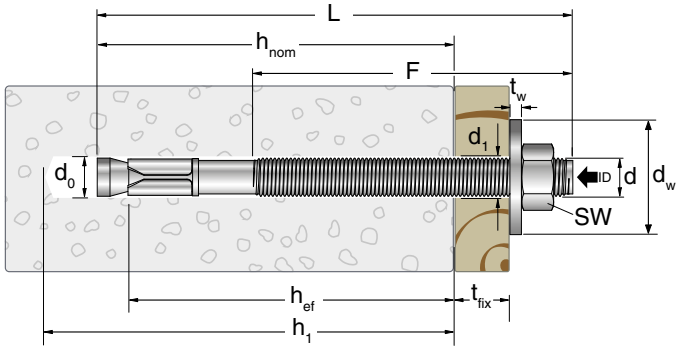
Heavy Duty Fixings

ETA 22/0792

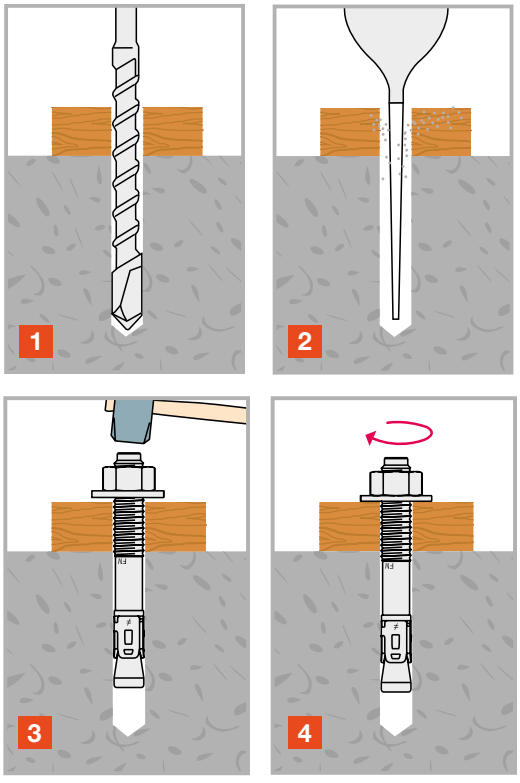
FM 753 evo-LW

Item code	Dimensions [mm]									Torque [T_{ins}t]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness [t_{fix}]	Hole diameter [d_0]	Minimum hole depth [h_1]	Embedment depth [h_{ef}]	Nominal embedment depth [h_{nom}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
75345B1012300	M10X123	G	50	10	70	50	60	12	100	30	17	25	100
75345B1017300	M10X173	I	100	10	70	50	60	12	100	30	17	25	100
75345B1214900	M12X149	G	50	12	90	65	78	14	130	50	19	25	50
75345B1217900	M12X179	H	80	12	90	65	78	14	130	50	19	25	50
75345B1219900	M12X199	I	100	12	90	65	78	14	130	50	19	25	50
75345B1221900	M12X219	L	120	12	90	65	78	14	130	50	19	25	50
75345B1223900	M12X239	M	140	12	90	65	78	14	130	50	19	25	50
75345B1225900	M12X259	N	160	12	90	65	78	14	130	50	19	25	50

[1)] *Ident. mark, product length*



Installation:



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FM-753 Heavy Duty **WEDGE ANCHOR**

Heavy-duty wedge anchor for the medium load range, in sizes M6 - M20 for anchoring in non-cracked concrete C20/25 - C50/60.

Benefits:
- Wide range
- Easy installation
- Versatile
- Cold forged anchor body
- Increased thickness of three expander segments
- Six teeth and anti-slip ridge to prevent slip during tightening

Applications:
- Railings
- Metal and wood carpentry
- Facades

Material:
- Steel
- Special anti-corrosion coating 3DG with matte finish
- Stainless steel A4 clip

Suitable for:
- Non-cracked concrete
- Solid stone

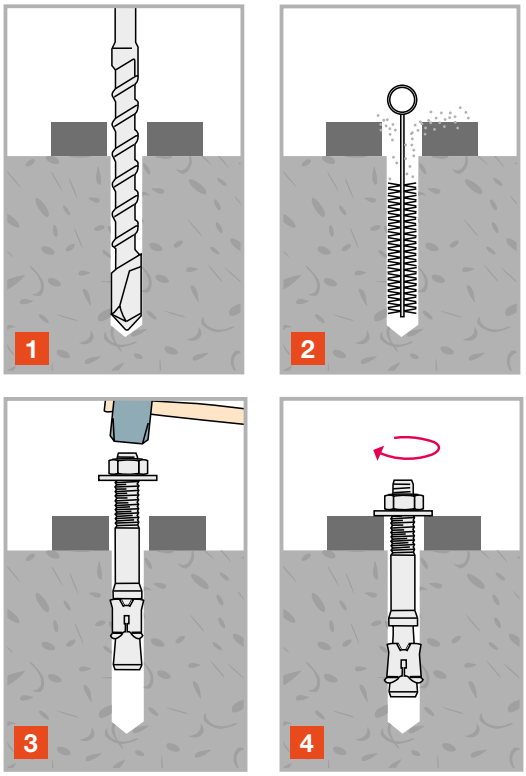
3DG

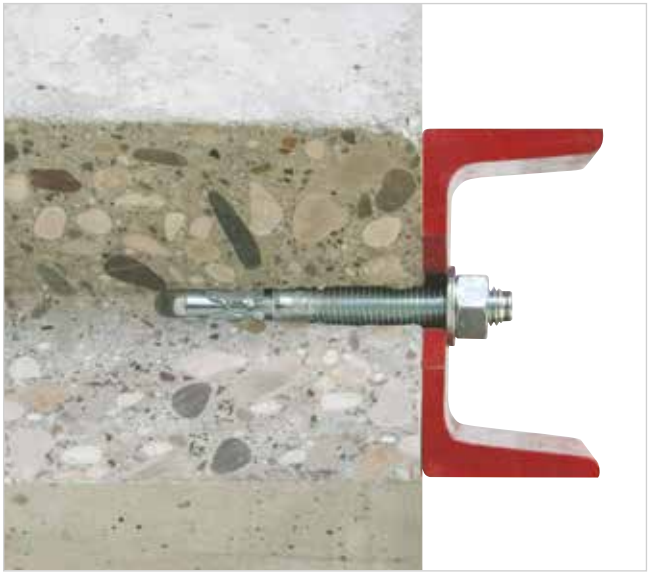
ETA 13/0367 - op. 7

FIX CALC

3DG COATING

Installation:





SIMPSON Strong-Tie FRÜLSIDER

Supplied in dual-branded packaging

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Heavy Duty Fixings

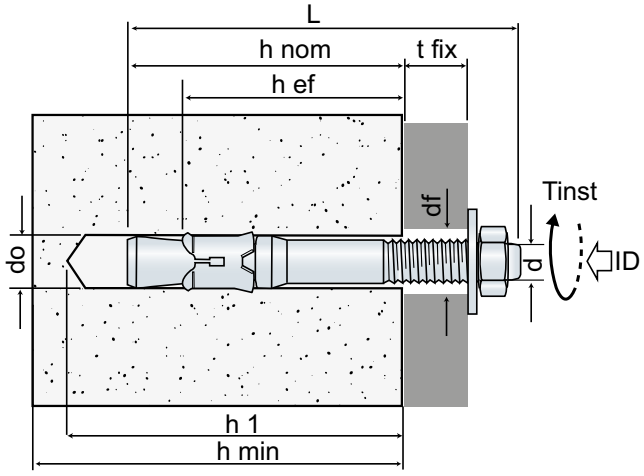
ETA 13/0367 - op. 7

FM-753 3DG

Item code	Dimensions [mm]										Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness std. depth [t_{fix}]	Fixture thickness red. depth [$t_{fix.red}$]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Embedment depth [h_{ef}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
75320C0604500	M6X45*)	A	-	3	6	45	36	30	7	100	6	10	200	2000
75320C0606500	M6X65	B	15	20	6	50	41	35	7	100	6	10	100	1000
75320C0608500	M6X85	C	35	40	6	50	41	35	7	100	6	10	100	1000
75320C0610000	M6X100	D	50	55	6	50	41	35	7	100	6	10	50	500
75320C0805000	M8X50*)	A	-	5	8	50	38	30	9	100	15	13	100	1000
75320C0806500	M8X65	B	7	15	8	60	48	40	9	100	15	13	100	1000
75320C0807500	M8X75	C	15	25	8	60	48	40	9	100	15	13	100	400
75320C0809000	M8X90	D	30	40	8	60	48	40	9	100	15	13	100	400
75320C0811500	M8X115	E	55	65	8	60	48	40	9	100	15	13	100	400
75320C0813500	M8X135	F	75	85	8	60	48	40	9	100	15	13	100	400
75320C0816500	M8X165	G	105	115	8	60	48	40	9	100	15	13	50	200
75320C1006000	M10X60*)	A	-	5	10	55	44	35	12	100	25	17	50	500
75320C1007500	M10X75	B	5	20	10	70	59	50	12	100	25	17	50	500
75320C1009000	M10X90	C	20	35	10	70	59	50	12	100	25	17	50	200
75320C1010000	M10X100	I	30	45	10	70	59	50	12	100	25	17	50	200
75320C1012000	M10X120	D	50	65	10	70	59	50	12	100	25	17	50	200
75320C1014500	M10X145	E	75	90	10	70	59	50	12	100	25	17	50	200
75320C1017000	M10X170	F	100	115	10	70	59	50	12	100	25	17	25	100
75320C1021000	M10X210	G	140	155	10	70	59	50	12	100	25	17	25	100
75320C1208000	M12X80*)	A	-	7	12	70	56	45	14	100	50	19	50	200
75320C1210000	M12X100	B	10	25	12	85	71	60	14	120	50	19	50	200
75320C1211000	M12X110	C	20	35	12	85	71	60	14	120	50	19	50	200
75320C1213500	M12X135	I	30	60	12	85	71	60	14	120	50	19	25	100
75320C1216000	M12X160	D	45	85	12	85	71	60	14	120	50	19	25	100
75320C1218500	M12X185	E	70	115	12	85	71	60	14	120	50	19	25	100

*) *Short series with reduced embedment depth*

Table continues on next page.



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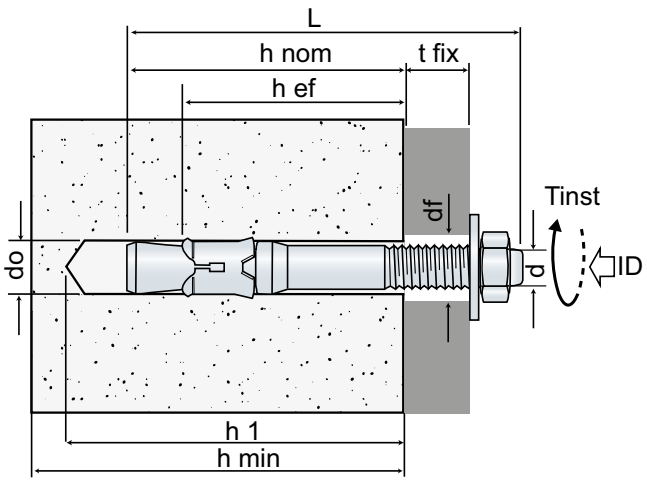
Heavy Duty Fixings

ETA 13/0367 - op. 7

FM-753 3DG

Item code	Dimensions [mm]										Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness std. depth [t_{fix}]	Fixture thickness red. depth [$t_{fix,red}$]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Embedment depth [h_{ef}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
75320C1220000	M12X200	G	115	130	12	85	71	60	14	120	50	19	20	80
75320C1222000	M12X220	H	135	150	12	85	71	60	14	120	50	19	20	80
75320C1224000	M12X240	I	155	170	12	85	71	60	14	120	50	19	20	80
75320C1225500	M12X255	L	170	185	12	85	71	60	14	120	50	19	20	80
75320C1228500	M12X285	M	200	215	12	85	71	60	14	120	50	19	20	80
75320C1230000	M12X300	N	215	230	12	85	71	60	14	120	50	19	20	80
75320C1232500	M12X325	P	240	255	12	85	71	60	14	120	50	19	20	80
75320C1235500	M12X355	Q	270	285	12	85	71	60	14	120	50	19	20	80
75320C1611000	M16X110*)	P	-	15	16	95	76	65	18	130	100	24	20	80
75320C1612500	M16X125	A	10	30	16	115	96	85	18	170	100	24	20	80
75320C1614500	M16X145	B	30	50	16	115	96	85	18	170	100	24	20	80
75320C1617500	M16X175	C	60	80	16	115	96	85	18	170	100	24	20	60
75320C1621500	M16X215	D	100	120	16	115	96	85	18	170	100	24	15	40
75320C1623000	M16X230	E	115	135	16	115	96	85	18	170	100	24	10	40
75320C1625000	M16X250	F	135	155	16	115	96	85	18	170	100	24	10	40
75320C1627000	M16X270	G	155	175	16	115	96	85	18	170	100	24	10	40
75320C1628500	M16X285	H	170	190	16	115	96	85	18	170	100	24	-	-
75320C1632000	M16X320	I	205	225	16	115	96	85	18	170	100	24	10	40
75320C2017000	M20X170	A	30	-	20	130	115	95	22	200	160	30	10	40
75320C2021500	M20X215	B	75	-	20	130	115	95	22	200	160	30	10	40
75320C2026000	M20X260	C	120	-	20	130	115	95	22	200	160	30	-	-
75320C2028000	M20X280	D	140	-	20	130	115	95	22	200	160	30	10	40

**) Short series with reduced embedment depth*



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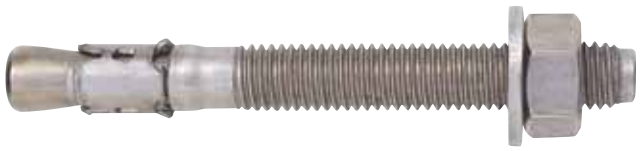
Heavy Duty Fixings

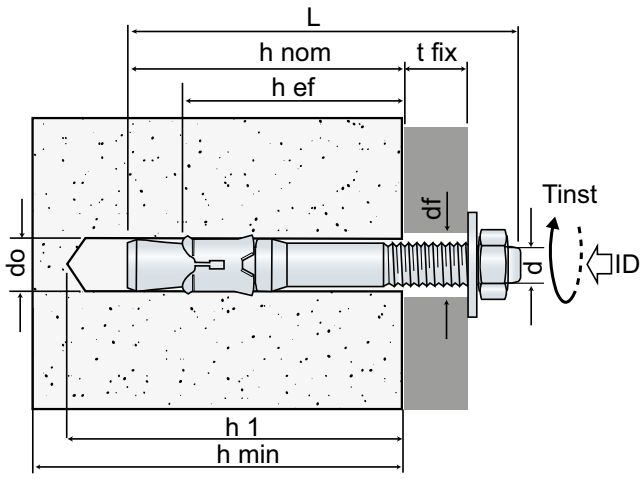
ETA 01/0009 - op. 7



FM-753 A4

Item code	Dimensions [mm]									Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Type [d x L]	ID[1)]	Fixture thickness std. depth [t_{fix}]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Embedment depth [h_{ef}]	Hole Ø in fixing element [d_f]	Min. support thickness [h_{min}]				
7532000606500	M6X65**)	B	15	6	50	35	35	7	100	6	10	100	1000
7532000608500	M6X85**)	C	35	6	50	35	35	7	100	6	10	100	1000
7532000805000	M8X50*)/**)	A	-	8	50	38	30	9	100	15	13	100	1000
7532000806500	M8X65	B	7	8	60	48	40	9	100	15	13	100	1000
7532000807500	M8X75	C	15	8	60	48	40	9	100	15	13	100	400
7532000809000	M8X90	D	30	8	60	48	40	9	100	15	13	100	400
7532000811500	M8X115	E	55	8	60	48	40	9	100	15	13	100	400
7532000813500	M8X135	F	75	8	60	48	40	9	100	15	13	50	200
7532000816500	M8X165	G	105	8	60	48	40	9	100	15	13	50	200
7532001006000	M10X60*)/**)	A	-	10	55	44	35	12	100	25	17	50	500
7532001007500	M10X75	B	5	10	70	59	50	12	100	25	17	50	500
7532001009000	M10X90	C	20	10	70	59	50	12	100	25	17	50	200
7532001012000	M10X120	D	50	10	70	59	50	12	100	25	17	50	200
7532001208000	M12X80*)/**)	A	-	12	70	56	45	14	100	50	19	50	200
7532001210000	M12X100	B	10	12	85	71	60	14	120	50	19	50	200
7532001211000	M12X110	C	20	12	85	71	60	14	120	50	19	50	200
7532001213500	M12X135	D	45	12	85	71	60	14	120	50	19	25	100
7532001216000	M12X160	E	70	12	85	71	60	14	120	50	19	25	100
7532001218500	M12X185	F	100	12	85	71	60	14	120	50	19	25	100
7532001611000	M16X110*)/**)	P	-	16	95	76	65	18	130	100	24	20	80
7532001612500	M16X125	A	10	16	115	96	85	18	170	100	24	20	80
7532001614500	M16X145	B	30	16	115	96	85	18	170	100	24	20	80
7532001617500	M16X175	C	60	16	115	96	85	18	170	100	24	20	80

*) *Short series with reduced embedment depth*
**) *Not covered by CE certification*



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FM-MP3 evo
Heavy Duty Three Segments **ANCHOR**

The FM-MP3 evo is an anchor made of galvanised steel, which is placed into a drilled hole and anchored by torque-controlled expansion.

Benefits:
- Universal metallic anchor even for hollow base materials
- Single shell body with exclusive cone containing system
- Accessories for all types of fixing requirements
- Fire resistance R120

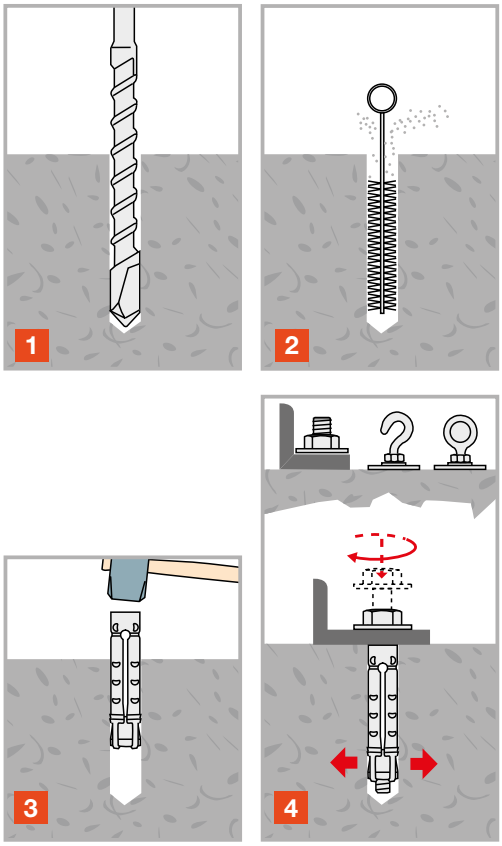
Applications:
- Safety barriers
- Fencing
- Railings

Material:
- Steel
- White zinc plated

Suitable for:
- Double certification:
  1. Structural applications in non-cracked concrete
  2. Multiple use for non-structural applications on cracked and non-cracked concrete

ETA 09/0067 - op. 7 | ETA 10/0074 - Multiple use | R 120 | FIX CALC

Installation:



FM-MP3 evo

FM-MP3 evo
Hex Head Screw

FM-MP3 evo
Hex Head Screw with Large Washer

FM-MP3 evo
Threaded Bar

FM-MP3 evo
Cup Hook

FM-MP3 evo
Forged Eye

SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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Heavy Duty Fixings

ETA 09/0067 - op. 7 | ETA 10/0074 - Multiple use

FM-MP3 evo (Anchor Only)

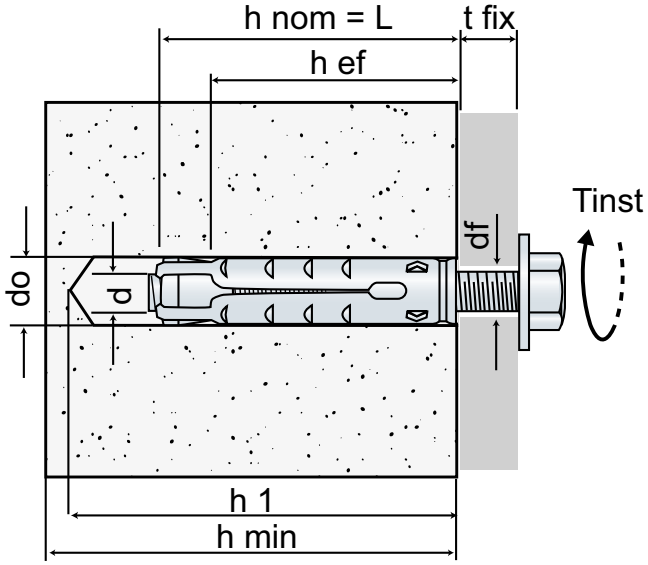
Item code	Dimensions [mm]							Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]			
73300B1004500	M6X45*)	10	60	45	36	8	100	8	50	500
73300B1205000	M8X50*)	12	70	50	43	10	100	15	50	500
73300B1506000	M10X60*)	15	80	60	50	12	100	30	25	250
73300B1808000	M12X80*)	18	100	80	69	14	140	50	20	200

**) Certified product when coupled with hex head screw DIN933 grade 8.8 and washer DIN125-1 ($t_{fix} = L_v - h_{nom}$)*

ETA 09/0067 - op. 7 | ETA 10/0074 - Multiple use

FM-MP3 evo Hex Head Screw

Item code	Dimensions [mm]									Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]			
73301B1004500	M6X45	5	10	60	45	36	8	100	50	8	50	500
73301B1205000	M8X50	10	12	70	50	43	10	100	60	15	50	250
73301B1506000	M10X60	20	15	80	60	50	12	100	80	30	25	125
73301B1808000	M12X80	20	18	100	80	69	14	140	100	50	20	100



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Heavy Duty Fixings

FM-MP3 evo Hex Head Screw with Large Washer

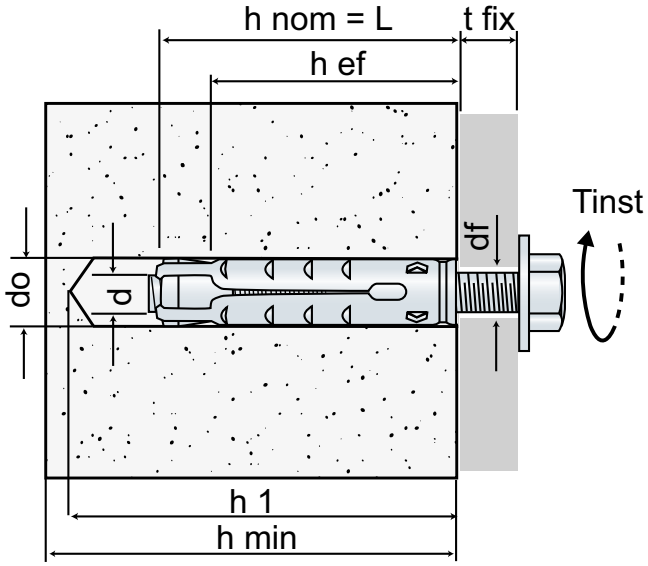
Item code	Dimensions [mm]									Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]			
73307B1004500	M6X45**)	5	10	60	45	36	8	100	50	8	50	500
73307B1205000	M8X50**)	10	12	70	50	43	10	100	60	15	50	500
73307B1506000	M10X60**)	20	15	80	60	50	12	100	80	30	25	250
73307B1808000	M12X80**)	20	18	100	80	69	14	140	100	50	20	100

***) Not covered by CE certification*

FM-MP3 evo Threaded Bar

Item code	Dimensions [mm]									Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]			
73302B1004500	M6X45**)	15	10	60	45	36	8	100	65	8	50	500
73302B1205000	M8X50**)	15	12	70	50	43	10	100	75	15	50	250
73302B1506000	M10X60**)	25	15	80	60	50	12	100	95	30	25	125
73302B1808000	M12X80**)	25	18	100	80	69	14	140	115	50	20	100

***) Not covered by CE certification*



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Heavy Duty Fixings

FM-MP3 evo Forged Cup Hook

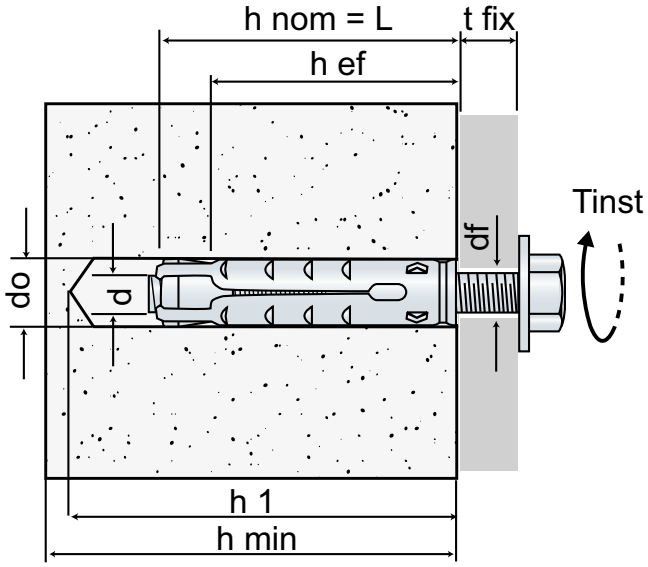
Item code	Dimensions [mm]								Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Min. support thickness [h_{min}]	Thread length [L_v]	Internal Ø hook or eye [O]			
73303B1004500	M6X45**)	10	60	45	36	100	50	9,5	5	50	500
73303B1205000	M8X50**)	12	70	50	43	100	60	11	10	50	250
73303B1506000	M10X60**)	15	80	60	50	100	73	14	20	25	125
73303B1808000	M12X80**)	18	100	80	69	140	90	16	30	20	80

***) Not covered by CE certification*

FM-MP3 evo Forged Eye

Item code	Dimensions [mm]								Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Min. support thickness [h_{min}]	Thread length [L_v]	Internal Ø hook or eye [O]			
73304B1004500	M6X45**)	10	60	45	36	100	50	10	5	50	500
73304B1205000	M8X50**)	12	70	50	43	100	60	11,5	10	50	250
73304B1506000	M10X60**)	15	80	60	50	100	73	14,5	20	25	125
73304B1808000	M12X80**)	18	100	80	69	140	90	17	30	20	80

***) Not covered by CE certification*



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FM-MP3 evo A4
Heavy Duty Three Segments
THROUGH ANCHOR

The FM-MP3 evo A4 is an anchor made of A4 stainless steel, which is placed into a drilled hole and anchored by torque-controlled expansion.

Benefits:
- Universal metallic anchor even for hollow base materials
- Single shell body with exclusive cone containing system
- Accessories for all types of fixing requirements
- Fire resistance R120

Applications:
- Safety barriers
- Fencing
- Railings

Material:
- Stainless steel A4

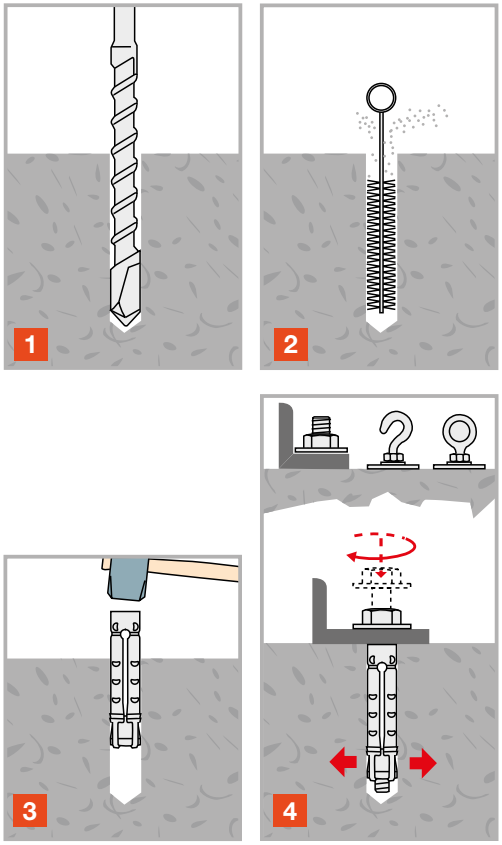
Suitable for:
- Double certification:
  1. Structural applications in non-cracked concrete
  2. Multiple use for non-structural applications on cracked and non-cracked concrete

FM-MP3 evo A4

FM-MP3 evo A4 Hex Head Screw

ETA 09/0357 · ETA 10/0093 · R 120 · FIX CALC

Installation:



SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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Heavy Duty Fixings

ETA 09/0357 ETA 10/0093

FM-MP3 evo A4 (Anchor Only)

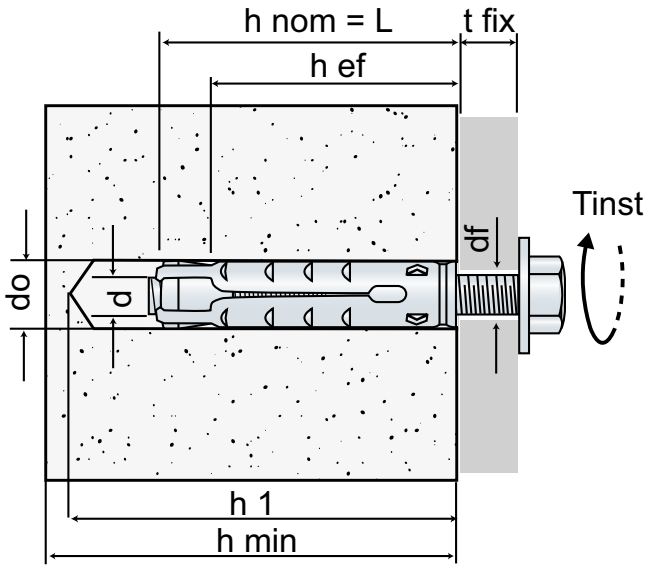
Item code	Dimensions [mm]							Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]			
7330001004500	M6X45*)	10	60	45	36	8	100	8	50	500
7330001205000	M8X50*)	12	70	50	43	10	100	15	50	500
7330001506000	M10X60*)	15	80	60	50	12	100	30	25	250
7330001808000	M12X80*)	18	100	80	69	14	140	50	20	200

*) *Certified product when coupled with stainless steel A4-70 hex head screw DIN933 and stainless steel A4 washer DIN125-1 or ISO 7089.*

ETA 09/0357 ETA 10/0093

FM-MP3 evo A4 Hex Head Screw

Item code	Dimensions [mm]									Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]			
7330101004500	M6X45	5	10	60	45	36	8	100	50	8	50	500
7330101205000	M8X50	10	12	70	50	43	10	100	60	15	50	250
7330101506000	M10X60	20	15	80	60	50	12	100	80	30	25	125
7330101808000	M12X80	20	18	100	80	69	14	140	100	50	20	100



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FM-MP3 evo-L
Long heavy-duty three segments
THROUGH ANCHOR

The FM-MP3 evo-L is an anchor made of galvanised steel, which is placed into a drilled hole and anchored by torque-controlled expansion.

Benefits:
- Non-cracked concrete
- Fire resistance R120

Applications:
- Safety barriers
- Fencing
- Railings

Material:
- White zinc plated

Suitable for:
- Double certification:
  1. Structural applications in non-cracked concrete
  2. Multiple use for non-structural applications on cracked and non-cracked concrete

FM-MP3
evo-L S

FM-MP3
evo-L SK

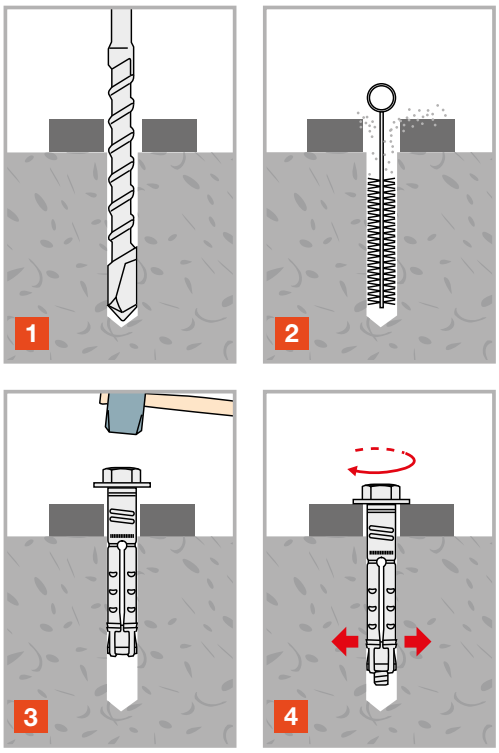
ETA 09/0067 - op. 7

ETA 10/0074 - Multiple use

R 120

FIX CALC

Installation:



SIMPSON Strong-Tie FRIULSIDER

Supplied in dual-branded packaging

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Heavy Duty Fixings

ETA 09/0067 - op. 7 | ETA 10/0074 - Multiple use

FM-MP3 evo-L Hex Head Screw

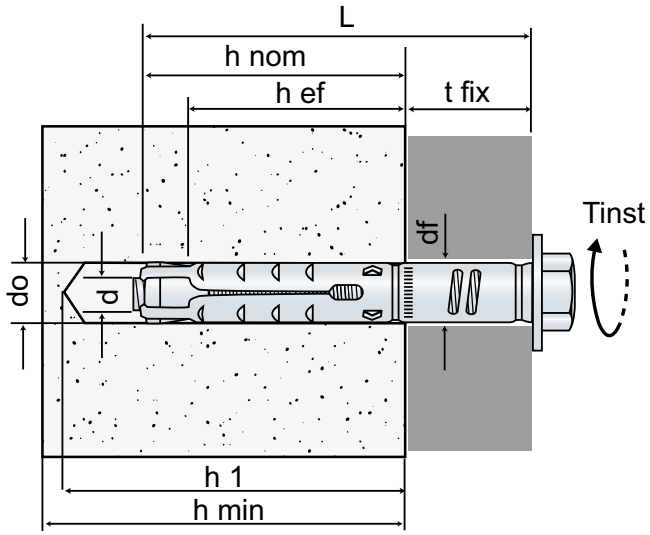
Item code	Dimensions [mm]									Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]			
73310B1007000	M6X70	25	10	60	45	36	12	100	70	8	50	500
73310B1207500	M8X75	25	12	70	50	43	14	100	80	15	50	250
73310B1508500	M10X85	25	15	80	60	50	17	100	90	30	25	125
73310B1810500	M12X105	25	18	100	80	69	20	140	110	50	20	100

ETA 09/0067 - op. 7 | ETA 10/0074 - Multiple use

FM-MP3 evo-L Hex Socket Countersunk Head Screw

Item code	Dimensions [mm]									Torque [T_{inst}]	Wrench	Qty per box	Qty per outer box
	Type	Max. fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixing element [d_f]	Min. support thickness [h_{min}]	Thread length [L_v]				
73311B1007000	M6X70	30	10	60	45	36	12	100	75*	8	5	50	500
73311B1207500	M8X75	30	12	70	50	43	14	100	80*	15	6	50	250
73311B1508500	M10X85	30	15	80	60	50	17	100	90*	30	8	25	125
73311B1810500	M12X105	30	18	100	80	69	20	140	110*	50	10	20	100

*) *Total screw length including the countersunk head.*



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FM-MP3 evo SAFER
ANTI-INTRUSION SYSTEM

The FM-MP3 evo SAFER is an anti-intrusion anchor for installing gates, window grills etc. where security is needed to solid materials.

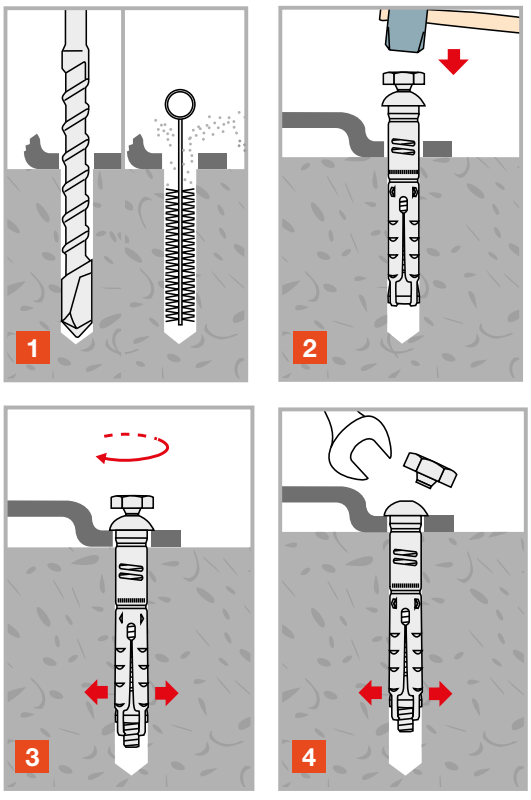
Benefits:
- Single shell body with exclusive cone containing system
- Secure and fast application due to the special tamper proof head

Applications:
- Window grills
- Gates
- General metal structures

Material:
- Steel
- White zinc plated

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Solid stone

Installation:



SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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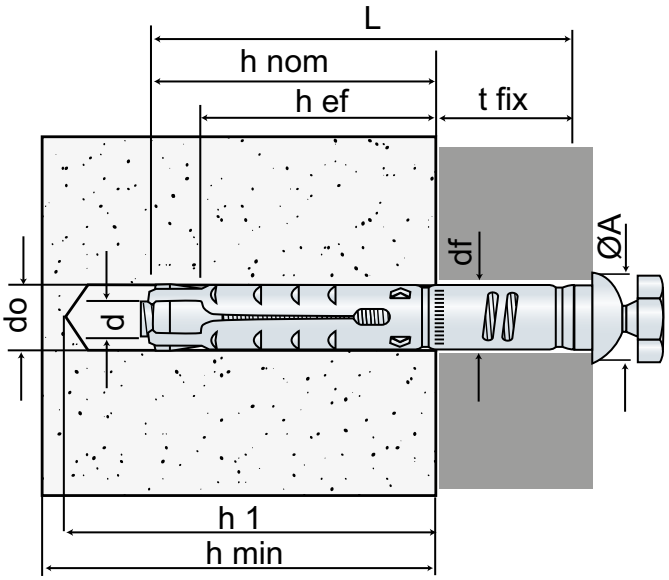
Heavy Duty Fixings

FM-MP3 evo SAFER

Item code	Dimensions [mm]								Wrench [SW]	Cap diameter [ØA]	Qty per box	Qty per outer box
	Type	Fixture thickness [t_{fix}]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixture [d_f]	Min. support thickness [h_{min}]				
73313B1205000	M8X50	5	12	70	50	43	13	100	17	17	50	250
73313B1207500	M8X75	30	12	70	50	43	13	100	17	17	50	250



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TSA-PATTEN **METAL SLEEVE ANCHOR**

TSA-PATTEN is a sleeve anchor which allows for quick and easy installation in solid materials due to the low installation torque needed to install it.

Benefits:
- Uniform expansion ensured by the three expanding segments made out of a single pressed steel body
- Special shaped slots on the three expanding segments pull down gaps between the fixture and base material

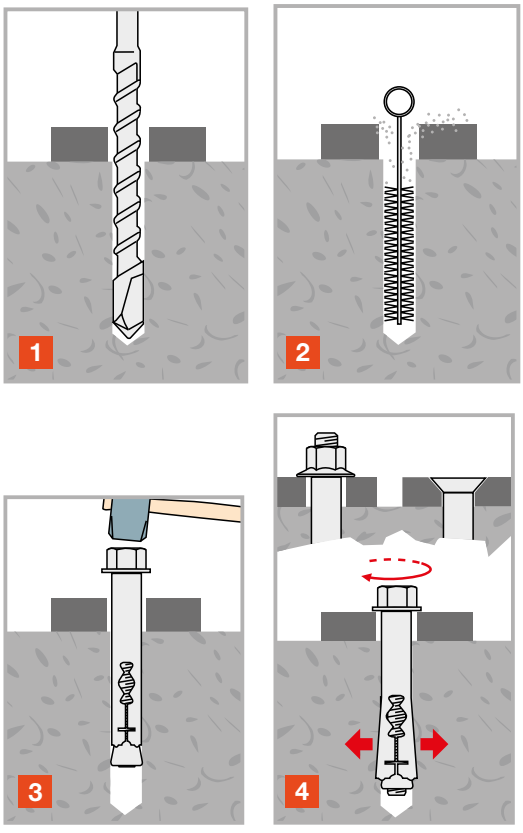
Applications:
- Brackets
- Garage doors
- Signs

Material:
- Steel
- White zinc plated

Suitable for:
- Non-cracked concrete
- Solid brick (partially suitable)
- Solid stone

TSA-PATTEN Hex-Head | **TSA-PATTEN** Flanged Nut | **TSA-PATTEN** Countersunk

Installation:



SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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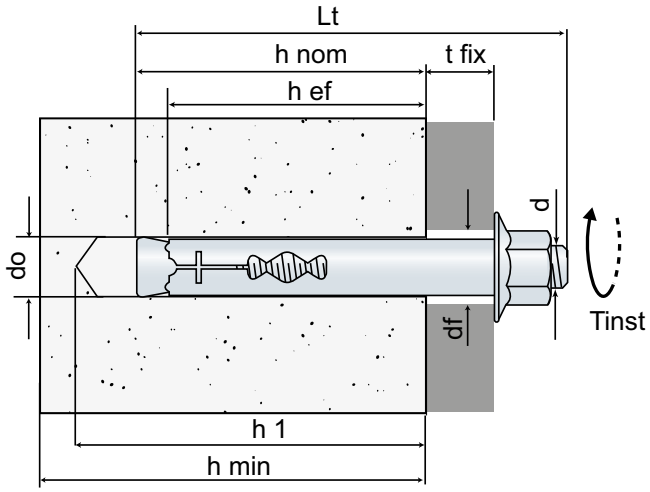
Heavy Duty Fixings

TSA-PATTEN Flanged Nut

Item code	Dimensions [mm]								Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Hole diameter / fixture thickness [d_o/t_{fix}]	Screw diameter [d]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixture [d_f]	Min. support thickness [h_{min}]	Total lenght [L_t]				
79600B0804000	8/05	M6	45	35	29	10	100	47	7	10	100	1000
79600B0806500	8/30	M6	45	35	29	10	100	71	7	10	50	500
79600B1005000	10/10	M8	50	40	34	12	100	60	15	13	50	500
79600B1007700	10/37	M8	50	40	34	12	100	85	15	13	50	400
79600B1009700	10/57	M8	50	40	34	12	100	105	15	13	25	250
79600B1207500	12/25	M10	60	50	44	14	100	82	30	15	25	250
79600B1209900	12/49	M10	60	50	44	14	100	107	30	15	20	200
79600B1212900	12/79	M10	60	50	44	14	100	137	30	15	20	160
79600B1606500	16/10	M12	65	55	46	18	100	79	50	18	20	200
79600B1611100	16/56	M12	65	55	46	18	100	123	50	18	10	100
79600B1614700	16/92	M12	65	55	46	18	100	159	50	18	10	120



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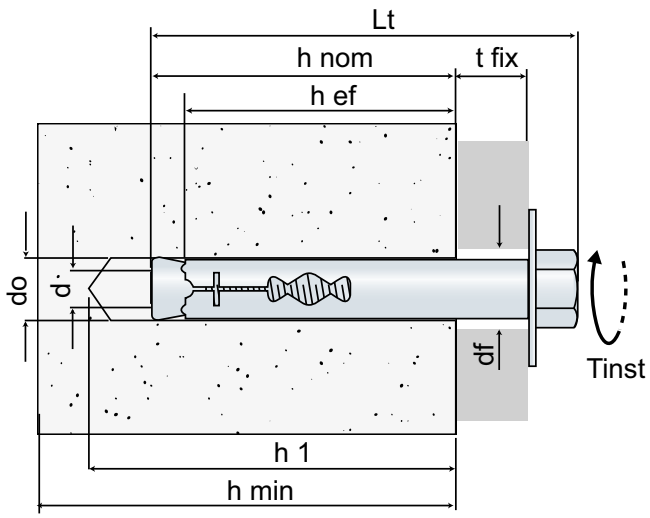
Heavy Duty Fixings

TSA-PATTEN Hex Head Screw

Item code	Dimensions [mm]								Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Hole diameter / fixture thickness [d_o/t_{fix}]	Screw diameter [d]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixture [d_f]	Min. support thickness [h_{min}]	Total lenght [L_t]				
79602B0804500	8/08	M6	50	36	23	10	100	49	7	10	100	1000
79602B0806000	8/23	M6	50	36	23	10	100	64	7	10	100	800
79602B0808000	8/43	M6	50	36	23	10	100	84	7	10	50	500
79602B0810000	8/63	M6	50	36	23	10	100	104	7	10	50	400
79602B0812000	8/83	M6	50	36	23	10	100	124	7	10	25	300
79602B0814000	8/103	M6	50	36	23	10	100	144	7	10	25	300
79602B0816000	8/123	M6	50	36	23	10	100	164	7	10	20	240
79602B1006000	10/15	M8	60	43	31	12	100	65	15	13	50	400
79602B1008000	10/35	M8	60	43	31	12	100	85	15	13	50	300
79602B1010000	10/55	M8	60	43	31	12	100	105	15	13	25	250
79602B1012000	10/75	M8	60	43	31	12	100	125	15	13	20	200
79602B1014000	10/95	M8	60	43	31	12	100	145	15	13	20	240
79602B1016000	10/115	M8	60	43	31	12	100	165	15	13	20	240
79602B1207000	12/17	M10	65	50	36	14	100	76	30	17	50	200
79602B1210000	12/47	M10	65	50	36	14	100	106	30	17	25	200
79602B1213000	12/77	M10	65	50	36	14	100	136	30	17	20	120
79602B1215000	12/97	M10	65	50	36	14	100	156	30	17	10	120
79602B1607000	16/03	M12	80	67	45	18	100	78	50	19	10	100
79602B1611000	16/40	M12	80	67	45	18	100	118	50	19	10	100
79602B1615000	16/80	M12	80	67	45	18	100	158	50	19	5	60



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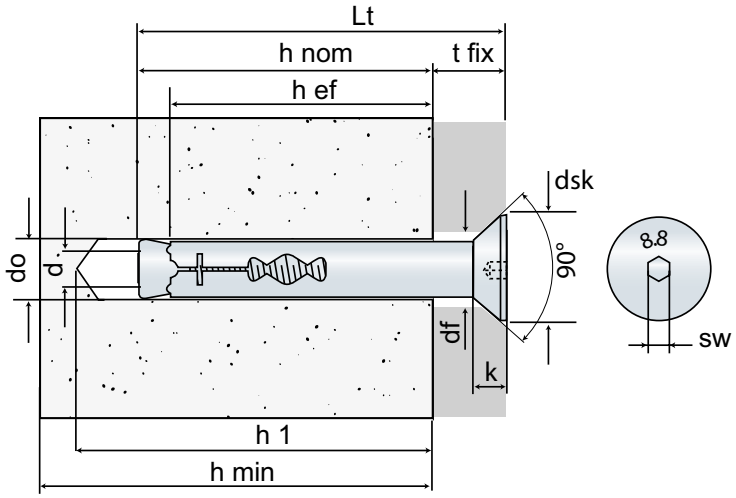
TSA-PATTEN Countersunk Screw

Item code	Dimensions [mm]								Torque [T_{inst}]	Wrench [SW]	Qty per box	Qty per outer box
	Hole diameter / fixture thickness [d_o/t_{fix}]	Screw diameter [d]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Hole diameter in fixture [d_f]	Min. support thickness [h_{min}]	Total lenght [L_t]				
79603B0806000	8/26	M6	44	34	23	10	100	60	7	4	100	1000
79603B0808000	8/46	M6	44	34	23	10	100	80	7	4	50	800
79603B0810000	8/66	M6	44	34	23	10	100	100	7	4	50	500
79603B1006000	10/19	M8	51	41	31	12	100	60	15	5	50	500
79603B1008000	10/38	M8	51	41	31	12	100	80	15	5	50	300
79603B1010000	10/59	M8	51	41	31	12	100	100	15	5	25	400
79603B1012000	10/79	M8	51	41	31	12	100	120	15	5	20	320
79603B1207000	12/22	M10	58	48	36	14	100	70	30	6	50	300
79603B1210000	12/52	M10	58	48	36	14	100	100	30	6	25	250



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TO **BRASS ANCHOR**

The TO brass anchor is a versatile solution for anchoring in solid materials and can be used for mounting metric screws, bolts and threaded rods.

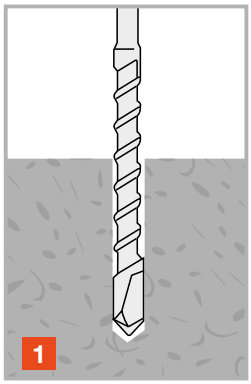
Benefits:
- Internal shape designed for a perfect expansion of its four sections.
- External knurling for better grip of the anchor to the base material and help prevent rotation.
- Reduced length for fixing even on thin base materials.

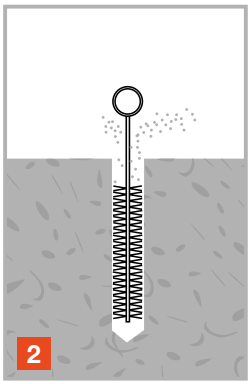
Applications:
- Light installation systems
- Carpentry joints
- Light non-supporting structures

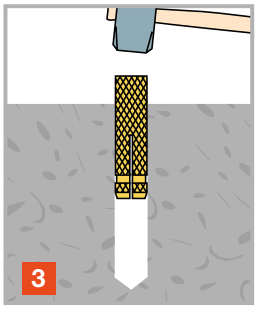
Material:
- Brass

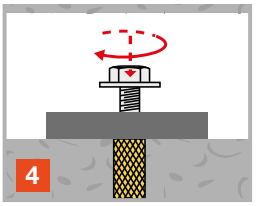
Suitable for:
- Non-cracked concrete
- Solid brick
- Solid stone
- Wood

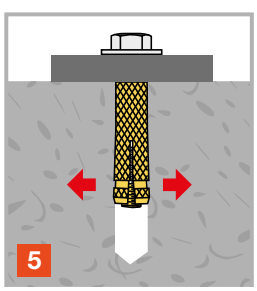
Installation:











SIMPSON Strong-Tie FRÜLSIDER

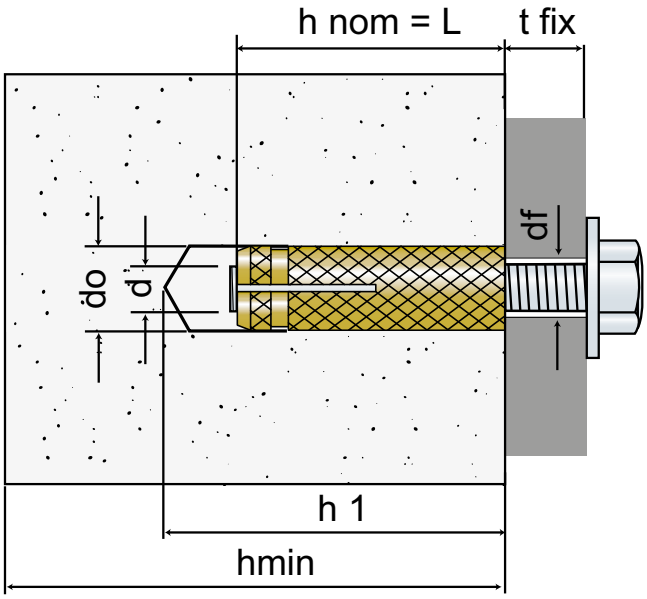
Supplied in dual-branded packaging

C-F-EU-2024 © 2024 SIMPSON STRONG-TIE COMPANY INC.

Heavy Duty Fixings

TO

Item code	Dimensions [mm]						Qty per box
	Screw diameter x anchor length [dxL]	Hole diameter [d_o]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Hole diameter in fixture [d_f]	Min. support thickness [h_{min}]	
7510000400000	M4X15	5	23	15	5	50	200
7510000500000	M5X20	6,5	28	20	6	55	200
7510000600000	M6X23	8	30	23	7	60	200
7510000800000	M8X28	10	40	28	9	80	100
7510001000000	M10X32	12	45	32	11	90	100
7510001200000	M12X38	15	50	38	14	100	100
7510001400000	M14X42	18	55	42	16	110	50



C-F-EU-2024 ©2024 SIMPSON STRONG-TIE COMPANY INC.

TAP Rimmed **HAMMERSET ANCHOR**

Hammerset anchor with metric internal thread M6 - M16 for medium load range for anchoring in non-cracked concrete C20/25 - C50/60 and for multiple fixings of non-load bearing systems in concrete.

Benefits:
- Safe and controlled expansion
- Fast application
- Shallow embedment depth
- Rimmed plug version for easy installation flush with base material
- High strength in relation to embedment depths
- Fire resistance R120

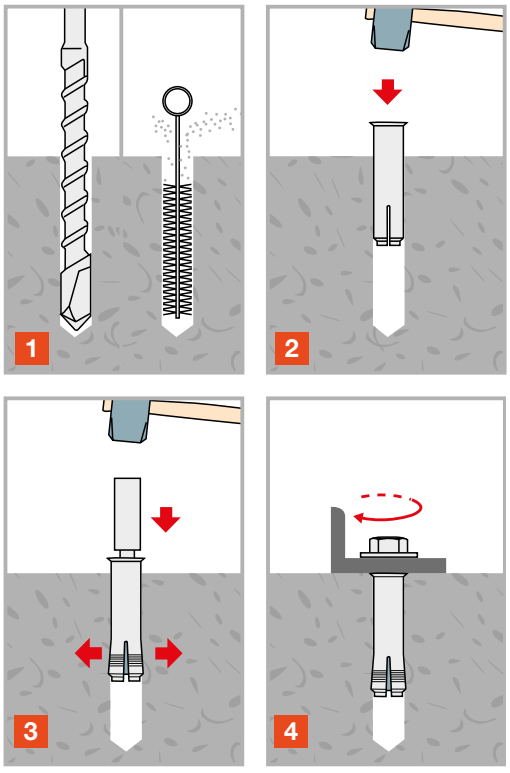
Applications:
- Suspended ceiling applications
- Pipework
- Sprinkler systems

Material:
- Steel
- White zinc plated

Suitable for:
- Multiple use for non-structural applications on cracked and non-cracked concrete
- Solid stone
- Structural use in non cracked concrete

ETA 18/0432 - op. 7 | ETA 18/0433 - Multiple use | R120 | FIX CALC

Installation:



SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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Heavy Duty Fixings

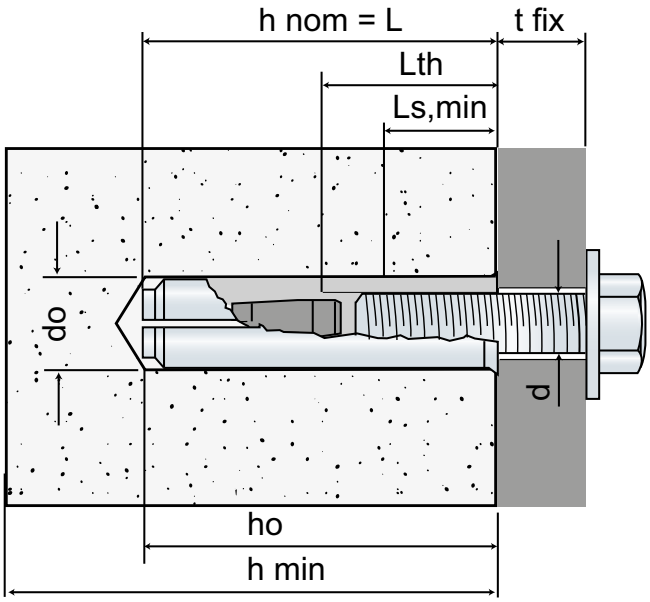
ETA 18/0432 - op. 7

ETA 18/0433 - Multiple use

TAP

Item code	Dimensions [mm]						Torque [T_{inst}]	Qty per box	Qty per outer box
	Type	Hole diameter [d_o]	Cylindrical hole depth [h_o]	Nominal embedment depth [h_{nom}]	Threaded length [L_{th}]	Min. thread engagement [$L_{s,min}$]			
75205B0600000	M6X25*)	8	25	25	11	6	4	100	2000
75205B0800000	M8X30	10	30	30	13	8	8	100	1000
75205B1003000	M10X30*	12	30	30	12	10	15	100	600
75205B1000000	M10X40	12	40	40	17	10	15	100	600
75205B1200000	M12X50	15	50	50	21	12	35	50	300
75205B1600000	M16X65**)	20	65	65	30	16	60	25	150

**) Only ETA 18/0433 ETAG 001 p.6 Multiple use*
***) Only ETA 18/0432 EAD-330232-00-0601 opt.7*
Screw Length: Minimum: $L_{s,min} + t_{fix}$ - Maximum: $L_{th} + t_{fix}$



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CLR6 **CONCRETE SCREW** for medium-light fixings

The CLR6-H is a hex head concrete screw made of carbon steel. The anchor is made in size Ø7.5, and is screwed into a predrilled cylindrical drill hole. The special thread of the anchor cuts an internal thread into the member while setting. The anchorage is interlock in the special thread.

Benefits:
- No plug required
- Minimum drill hole diameter required
- Correct functioning near edges and with reduced spacing distances
- Fire resistance R120

Applications:
- Suspended ceiling applications
- Installation systems
- Stadium seating

Material:
- Steel
- White zinc plated

Suitable for:
- Cracked concrete
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Solid stone (partially suitable)

ETA 19-0343 - op. 1

R120

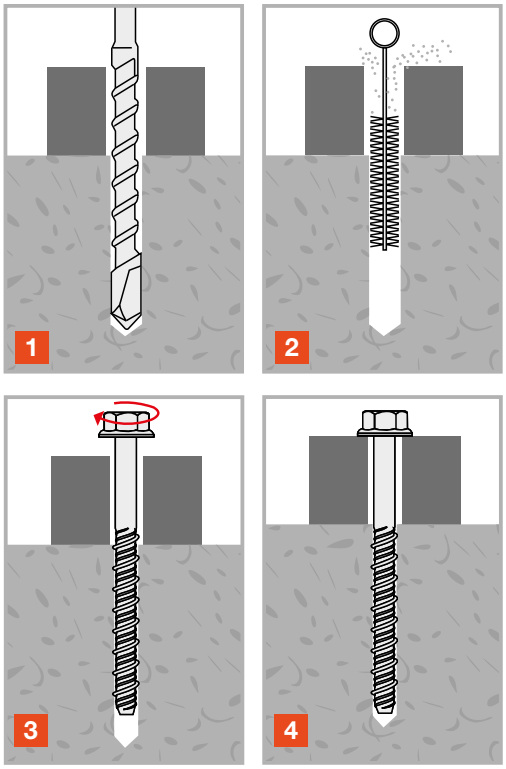
FIX CALC

CLR6-H
Hex-Head with Built-in Washer

CLR6-P
Pan Head

CLR6-I
Double Metric Thread Hex Connecting Nut

Installation:



SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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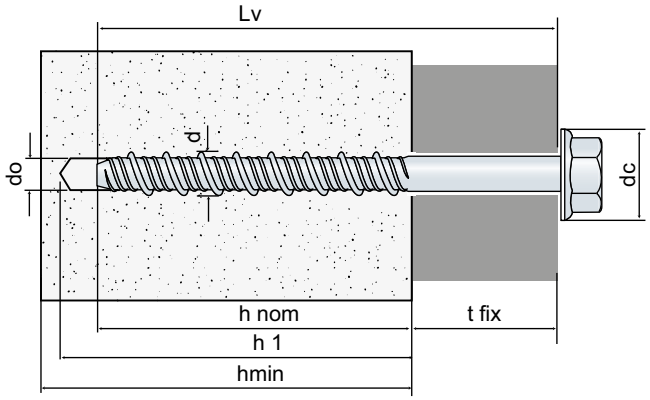
Concrete Screws

ETA 19-0343 - op. 1

CLR6-H

Item code	Dimensions [mm]							Wrench	Qty per box	Qty per outer box
	Type [dxL$_v$]	Hole diameter [d$_o$]	Fixture thickness [t$_{fix}$]	Nominal embedment depth [h$_{nom}$]	Hole depth [h$_1$]	Min. support thickness [h$_{min}$]	Head diameter [d$_c$]			
72009B0804500	Ø 7,5X45*)	6	15	30	40	100	14	10	100	1200
72009B0806000	Ø 7,5X60	6	5	55	65	100	14	10	100	1200
72009B0808000	Ø 7,5X80	6	25	55	65	100	14	10	100	1200
72009B0810000	Ø 7,5X100	6	45	55	65	100	14	10	50	600
72009B0812000	Ø 7,5X120	6	65	55	65	100	14	10	50	600

*) *Not covered by CE certification*

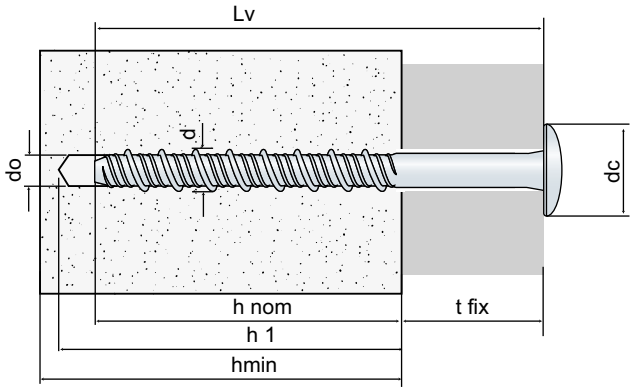


ETA 19-0343 - op. 1

CLR6-P

Item code	Dimensions [mm]							Bit	Qty per box	Qty per outer box
	Type [dxL$_v$]	Hole diameter [d$_o$]	Fixture thickness [t$_{fix}$]	Nominal embedment depth [h$_{nom}$]	Hole depth [h$_1$]	Min. support thickness [h$_{min}$]	Head diameter [d$_c$]			
72006B0804000*)	Ø 7,5X40	6	10	30	40	100	16	T-30	100	1200
72006B0806000	Ø 7,5X60	6	5	55	65	100	16	T-30	100	1200
72006B0807500	Ø 7,5X75	6	20	55	65	100	16	T-30	100	1200

*) *Not covered by CE certification*



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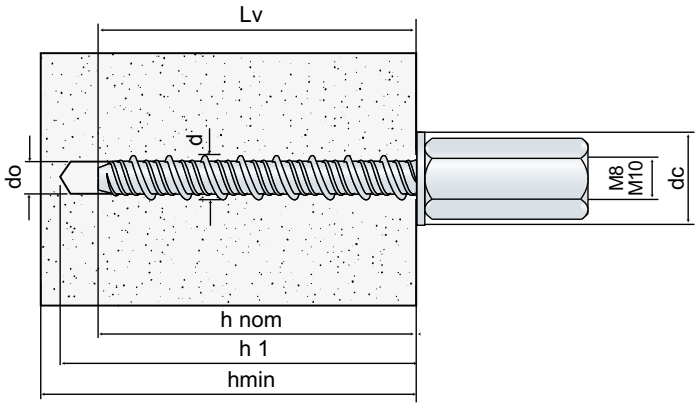
Concrete Screws

ETA 19-0343 - op. 1

CLR6-H

Item code	Dimensions [mm]							Wrench [SW]	Qty per box	Qty per outer box
	Type [dxL$_v$]	Hole diameter [d$_o$]	Metric thread	Nominal embedment depth [h$_{nom}$]	Hole depth [h$_1$]	Min. support thickness [h$_{min}$]	Head diameter [d$_c$]			
72008B0805500	Ø 7,5X55	6	M8-M10	55	65	100	14	13	50	600



C-F-EU-2024 © 2024 SIMPSON STRONG-TIE COMPANY INC.

VF **CONCRETE SCREW**

VF is a concrete screw Ø7.5 mm for the assembly of window and door frame elements designed for fixings in various building materials.

Benefits:
- Ideal for stand-off fixings
- Allows fixings near the edge
- Small hole diameter
- Prevents deformation of the frame

Applications:
- Window and door frames
- Wood profiles and battens
- Connectors

Material:
- Steel
- White zinc plated

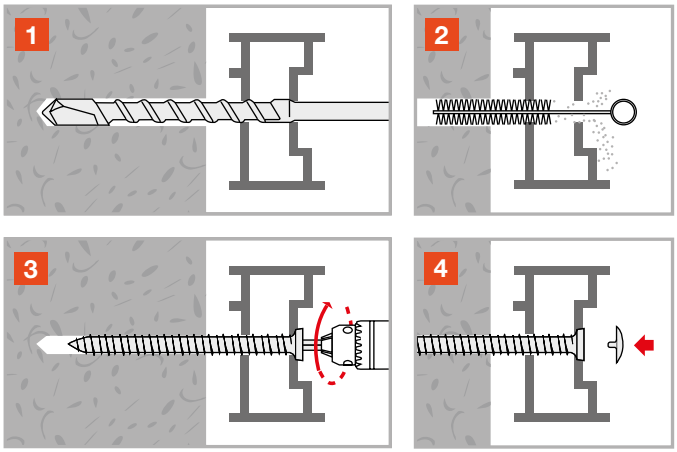
Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone (partially suitable)
- Wood
- Aerated concrete

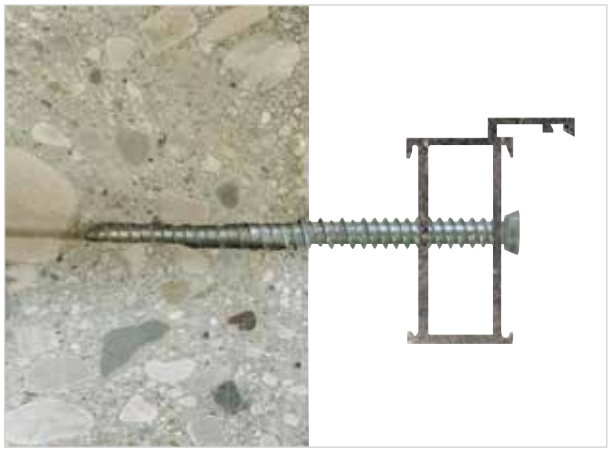
CE
EN 14592

VF
Cylinder Head

VF
Countersunk Head

Installation:





SIMPSON Strong-Tie FRÜLS:DER
Supplied in dual-branded packaging

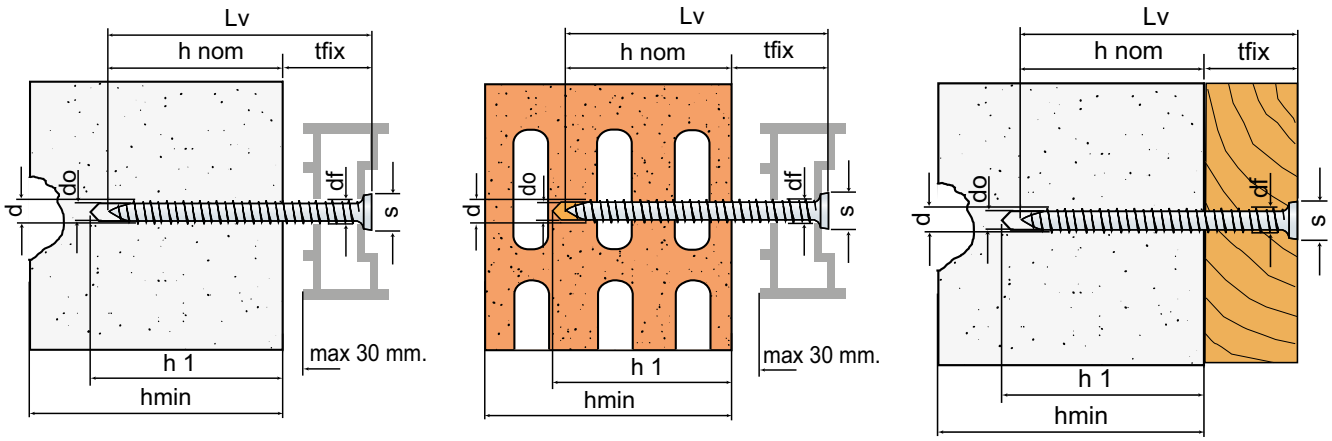
C-F-EU-2024 ©2024 SIMPSON STRONG-TIE COMPANY INC.

Concrete Screws

VF Cylinder Head Screw*)

Item code	Dimensions [mm]								Bit	Qty per box	Qty per outer box
	Dimensions [dxL$_v$]	Hole diameter [d$_o$]	Hole diameter in fixture [d$_f$]	Head diameter [s]	Nominal embedment depth [h$_{nom}$]	Fixture thickness [t$_{fix}$]	Min. hole depth [h$_1$>]	Min. support thickness [h$_{min}$]			
19418B0506000	Ø5X62	4	5,2	5	30	30	40	60	T-15	100	1200
19418B0508000	Ø5X82	4	5,2	5	30	50	40	60	T-15	100	1200
19418B0511000	Ø5X112	4	5,2	5	30	80	40	60	T-15	100	600
19418B0706000	Ø7,5X60	6	6,2	8,5	30	30	40	60	T-30	100	800
19418B0707000	Ø7,5X70	6	6,2	8,5	30	40	40	60	T-30	100	800
19418B0708000	Ø7,5X80	6	6,2	8,5	30	50	40	60	T-30	100	800
19418B0709000	Ø7,5X90	6	6,2	8,5	30	60	40	60	T-30	100	800
19418B0710000	Ø7,5X100	6	6,2	8,5	30	70	40	60	T-30	100	800
19418B0712000	Ø7,5X120	6	6,2	8,5	30	90	40	60	T-30	100	600
19418B0713500	Ø7,5X135	6	6,2	8,5	30	105	40	60	T-30	100	600
19418B0715000	Ø7,5X150	6	6,2	8,5	30	120	40	60	T-30	100	600
19418B0718000	Ø7,5X180	6	6,2	8,5	30	150	40	60	T-30	100	400
19418B0721000	Ø7,5X210	6	6,2	8,5	30	180	40	60	T-30	50	200
19418B0724000	Ø7,5X240	6	6,2	8,5	30	210	40	60	T-30	50	-

Max fixing thickness refers to installation on concrete
**) Not CE-marked*



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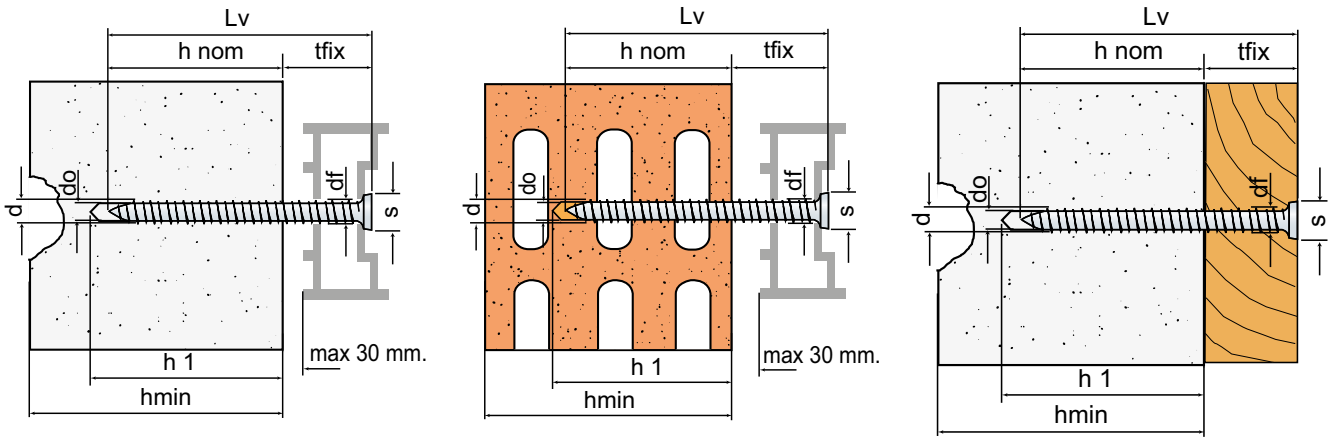
Concrete Screws

CE
EN 14592

VF Countersunk Head Screw

Item code	Dimensions [mm]								Bit	Qty per box	Qty per outer box
	Dimensions [dxL$_v$]	Hole diameter [d$_o$]	Hole diameter in fixture [d$_f$]	Head diameter [s]	Nominal embedment depth [h$_{nom}$]	Fixture thickness [t$_{fix}$]	Min. hole depth [h$_1$>]	Min. support thickness [h$_{min}$]			
19419B0704000	Ø7,5X40	6	6,2	11,5	30	10	40	60	T-30	100	1200
19419B0706000	Ø7,5X60	6	6,2	11,5	30	30	40	60	T-30	100	800
19419B0707000	Ø7,5X70	6	6,2	11,5	30	40	40	60	T-30	100	800
19419B0708000	Ø7,5X80	6	6,2	11,5	30	50	40	60	T-30	100	800
19419B0709000	Ø7,5X90	6	6,2	11,5	30	60	40	60	T-30	100	800
19419B0710000	Ø7,5X100	6	6,2	11,5	30	70	40	60	T-30	100	800
19419B0712000	Ø7,5X120	6	6,2	11,5	30	90	40	60	T-30	100	600
19419B0713500	Ø7,5X135	6	6,2	11,5	30	105	40	60	T-30	100	600
19419B0715000	Ø7,5X150	6	6,2	11,5	30	120	40	60	T-30	100	600
19419B0718000	Ø7,5X180	6	6,2	11,5	30	150	40	60	T-30	100	400
19419B0721000	Ø7,5X210*)	6	6,2	11,5	30	180	40	60	T-30	50	200
19419B0724000	Ø7,5X240*)	6	6,2	11,5	30	210	40	60	T-30	50	-

Max fixing thickness refers to installation on concrete
**) Size not covered by CE certification*



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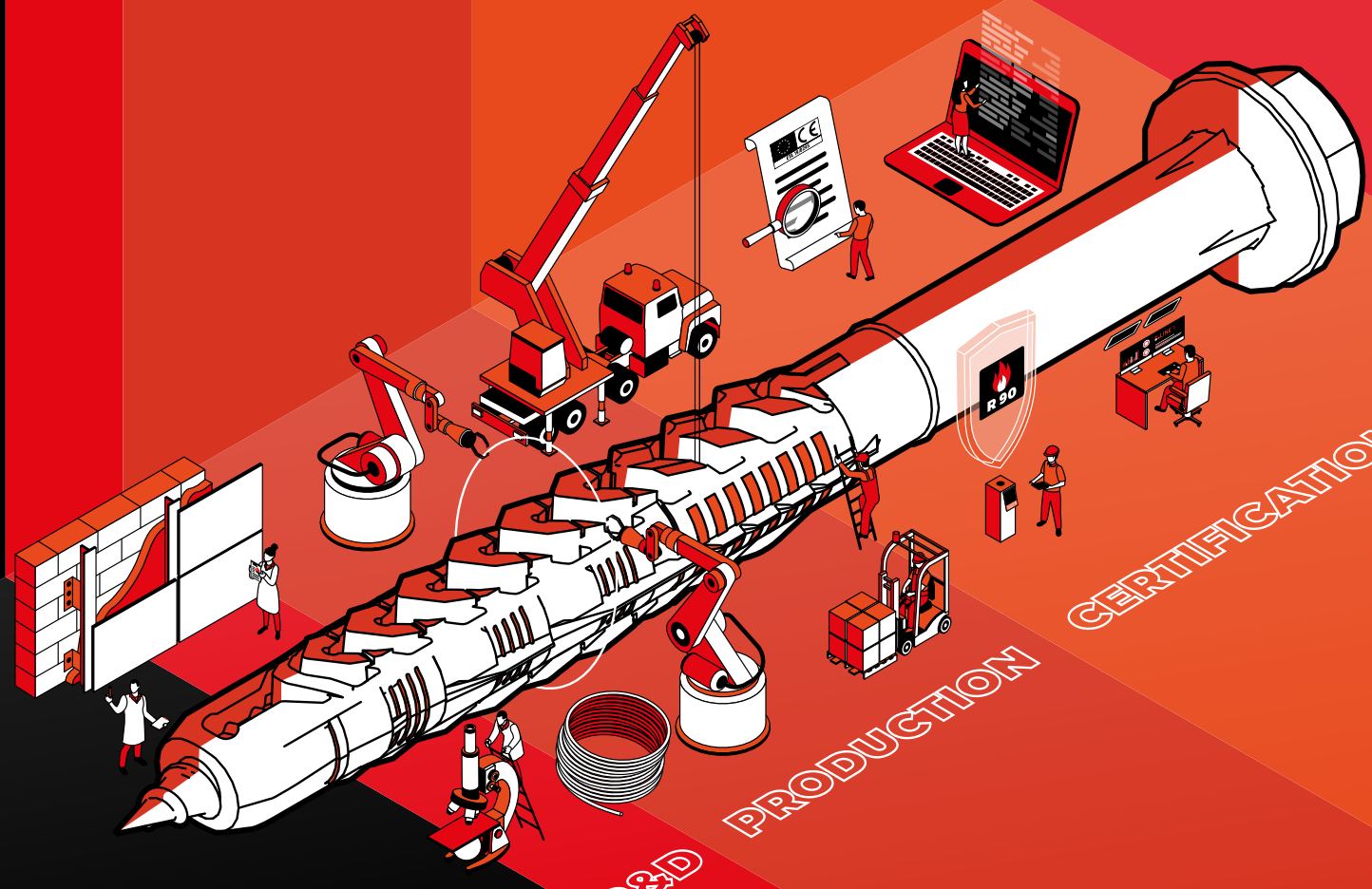
TINY DETAILS FOR GREAT FIXING SOLUTIONS

X3 EXTENDED PLUGS
HIGH PERFORMANCE AND MAXIMUM GRIP



FRIULSIDER
YOUR FIXING FACTORY

SIMPSON
Strong-Tie

X3 High Performance **LONG PLUG**

The X3 plugs in Ø8 and Ø10 mm versions in combination with countersunk / hexagon head screws are approved for multiple fixings in concrete and masonry.

Benefits:
- Extraordinary performance on all base materials.
- Up to 3 embedment depths
- Extreme versatility and significant reduction in installation time.
- Increased expansion
- Designed for facades and heavy carpentry.
- Hex-head screws with built-in washer Ø19, wrench 13, T-40 recess

Applications:
- Ventilated facades
- Steel carpentry
- Wood carpentry

Material:
- Plug: nylon PA6
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid-, honeycomb-, and cell like clay brick
- Lightweight honeycomb brick
- Hollow dense/light aggregate block
- Aerated concrete
- Solid stone

ETA 19-0245

R 90

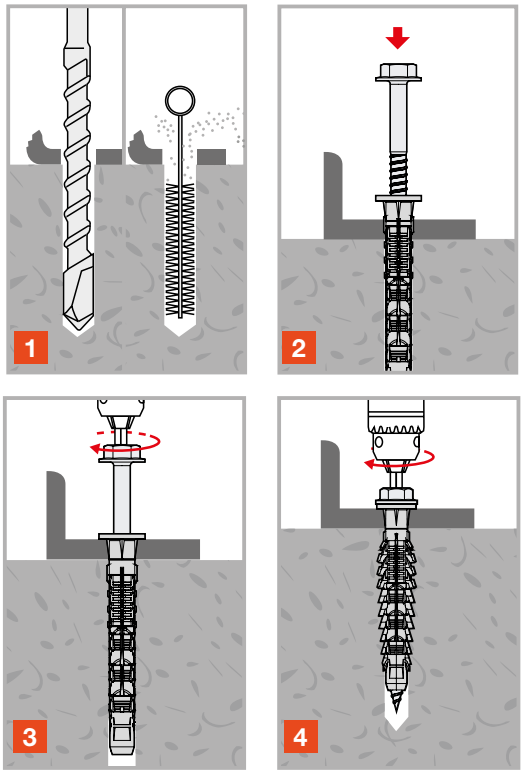
**Fire resistance class = 90 minutes plug Ø10 in concrete*

X3 Countersunk Head

X3 Hex Head with Washer

X3 Large Rim Plug & Hex Head with Washer

Installation:



SIMPSON Strong-Tie FRIULSIDER

Supplied in dual-branded packaging

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Long Fixings

ETA 19-0245

X3 Countersunk Screw with Pozidrive Recess

Item code	Dimensions [mm]					Bit	Qty per box	Qty per outer box
	Plug [ØxL]	Screw [ØxL]	Fixture thickness [t_{fix}]					
			Reduced depth	Standard depth	Increased depth*)			
64601B0603500[1)]	Ø6x35	4,5x40	10	5	-	n°2	100	1000
64601B0605000[1)]	Ø6x50	4,5x55	25	20	-	n°2	100	1000
64601B0606000[1)]	Ø6x60	4,5x65	35	30	-	n°2	100	1000
64601B0607000[1)]	Ø6x70	4,5x75	45	40	-	n°2	100	1000
64601B0806000	Ø8x60	6x68	20	10	-	n°3	50	500
64601B0808000	Ø8x80	6x88	40	30	-	n°3	50	500
64601B0810000	Ø8x100	6x108	60	50	-	n°3	50	500
64601B0812000	Ø8x120	6x128	80	70	-	n°3	50	500
64601B1006000	Ø10x60	7x68	10	-	-	n°4	50	500
64601B1008000	Ø10x80	7x88	30	10	-	n°4	50	500
64601B1010000	Ø10x100	7x108	50	30	10	n°4	50	500
64601B1012000	Ø10x120	7x128	70	50	30	n°4	50	500
64601B1014000	Ø10x140	7x148	90	70	50	n°4	50	300
64601B1016000	Ø10x160	7x168	110	90	70	n°4	50	250

1) Codes not covered by CE certification
**) Only for aerated concrete*
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}

ETA 19-0245

X3 Countersunk Screw with 6-lobe Drive recess

Item code	Dimensions [mm]					Bit	Qty per box	Qty per outer box
	Plug [ØxL]	Screw [ØxL]	Fixture thickness [t_{fix}]					
			Reduced depth	Standard depth	Increased depth*)			
64602B0806000	Ø8X60	6X68	20	10	-	T-30	50	500
64602B0808000	Ø8X80	6X88	40	30	-	T-30	50	500
64602B0810000	Ø8X100	6X108	60	50	-	T-30	50	500
64602B0812000	Ø8X120	6X128	80	70	-	T-30	50	500
64602B1006000	Ø10X60	7X68	10	-	-	T-40	50	500
64602B1008000	Ø10X80	7X88	30	10	-	T-40	50	500
64602B1010000	Ø10X100	7X108	50	30	10	T-40	50	500
64602B1012000	Ø10X120	7X128	70	50	30	T-40	50	500
64602B1014000	Ø10X140	7X148	90	70	50	T-40	50	300
64602B1016000	Ø10X160	7X168	110	90	70	T-40	50	250
64602B1020000	Ø10X200	7x208	150	130	110	T-40	50	-
64602B1023000	Ø10X230	7x238	180	160	140	T-40	50	-
64602B1026000	Ø10X260	7X268	210	190	170	T-40	50	-
64602B1029000	Ø10X290	7X298	240	220	200	T-40	50	-

**) Only for aerated concrete*
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}
Available with Stainless steel A4 or 3DG coated screw

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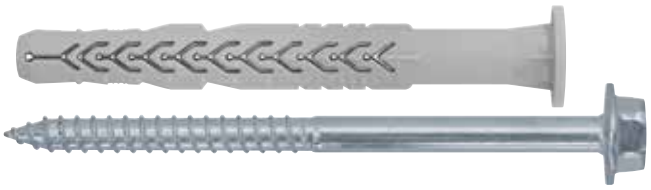
Long Fixings

ETA 19-0245

X3 Hex Head Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]					Bit	Qty per box	Qty per outer box
	Plug [ØxL]	Screw [ØxL]	Fixture thickness [t_{fix}]					
			Reduced depth	Standard depth	Increased depth*)			
64603B1006000	Ø10X60	7X68	10	-	-	T-40	50	500
64603B1008000	Ø10X80	7X88	30	10	-	T-40	50	500
64603B1010000	Ø10X100	7X108	50	30	10	T-40	50	500
64603B1012000	Ø10X120	7X128	70	50	30	T-40	50	300
64603B1014000	Ø10X140	7X148	90	70	50	T-40	50	300
64603B1016000	Ø10X160	7X168	110	90	70	T-40	50	250

*) Only for aerated concrete
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}
Available with Stainless steel A4 or 3DG coated screw

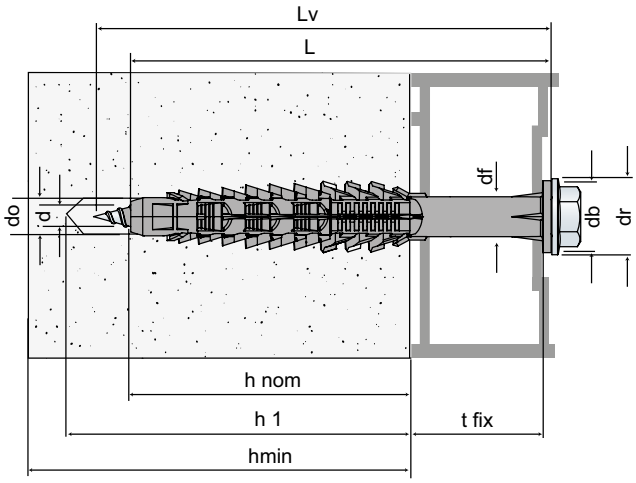


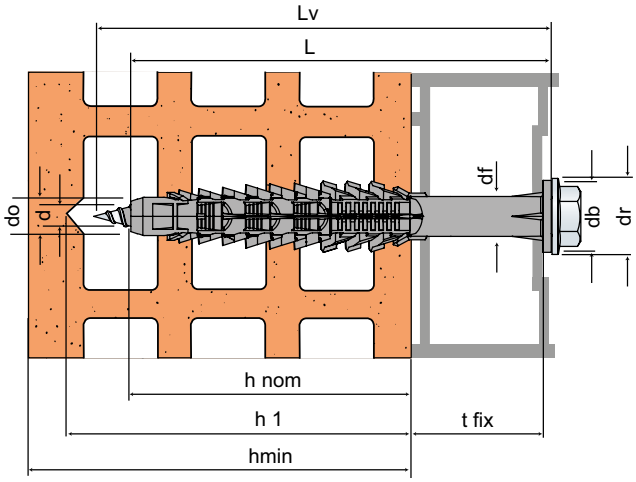
ETA 19-0245

X3 Large Rim Plug with Hex Head Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]					Bit	Qty per box	Qty per outer box
	Plug [ØxL]	Screw [ØxL]	Fixture thickness [t_{fix}]					
			Reduced depth	Standard depth	Increased depth*)			
64703B1006000	Ø10X60	7X68	10	-	-	T-40	50	500
64703B1008000	Ø10X80	7X88	30	10	-	T-40	50	500
64703B1010000	Ø10X100	7X108	50	30	10	T-40	50	500
64703B1012000	Ø10X120	7X128	70	50	30	T-40	50	300
64703B1014000	Ø10X140	7X148	90	70	50	T-40	50	300
64703B1016000	Ø10X160	7X168	110	90	70	T-40	50	250

*) Only for aerated concrete
NOTE: The thickness of the plaster must be included in the fixing thickness t_{fix}





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FM-X5 **LONG PLUG** for Window and Door Frames

The FM-X5 frame plug in Ø8 and Ø10 mm versions in combination with a countersunk or hexagon head screw is approved for multiple fixings in concrete and masonry.

Benefits:
- Multi-expansion variable geometry
- Low tightening torque
- Ultra flexible nylon

Applications:
- Framework
- Wall cabinets
- Light carpentry

Material:
- Plug: nylon
- Screw: white zinc plated steel/Stainless Steel A4

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Solid stone

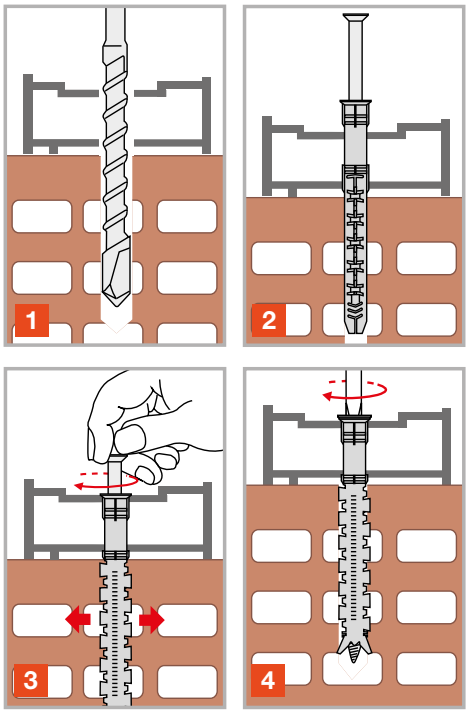
FM-X5
White Zinc Plated

FM-X5
Stainless Steel A4

ETA 10/0425

R 90

Installation:



SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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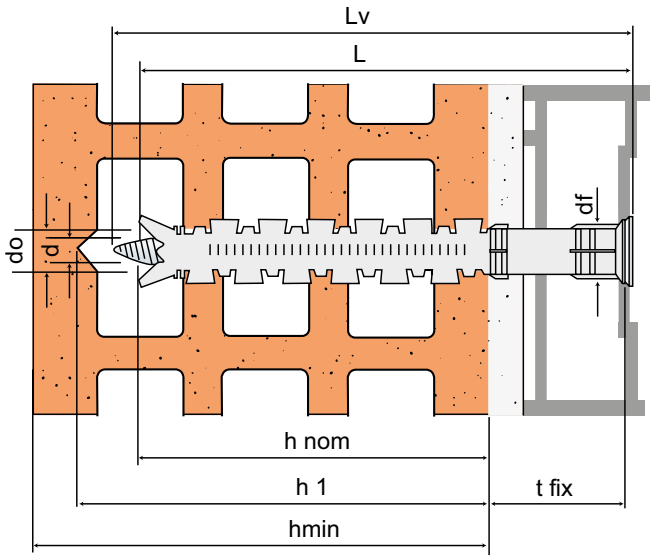
Long Fixings

ETA 10/0425

FM-X5 Countersunk Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]								Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Max. fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_v]			
64301B0808000	Ø8X80	10	80	70	120	8,5	6	85	T30	100	1000
64301B0810000	Ø8X100	30	80	70	120	8,5	6	105	T30	50	500
64301B0812000	Ø8X120	50	80	70	120	8,5	6	125	T30	50	500
64301B0815000	Ø8X150	80	80	70	120	8,5	6	155	T30	50	-
64301B0817000	Ø8X170	100	80	70	120	8,5	6	175	T30	50	-
64301B1008500	Ø10X85	15	80	70	120	10,5	7	90	T40	50	500
64301B1010000	Ø10X100	30	80	70	120	10,5	7	105	T40	50	500
64301B1011500	Ø10X115	45	80	70	120	10,5	7	120	T40	50	500
64301B1013500	Ø10X135	65	80	70	120	10,5	7	140	T40	50	200
64301B1016000	Ø10X160	90	80	70	120	10,5	7	165	T40	50	200
64301B1020000	Ø10X200	130	80	70	120	10,5	7	205	T40	50	-
64301B1023000	Ø10X230	160	80	70	120	10,5	7	235	T40	50	-



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Long Fixings

ETA 10/0425

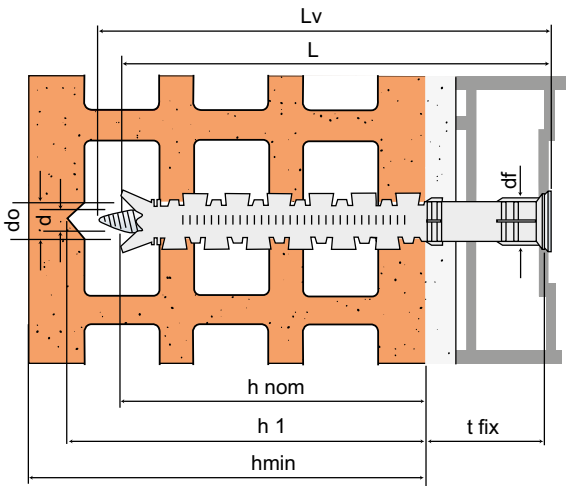
FM-X5 Hex Head Screw with 6-lobe Drive Recess

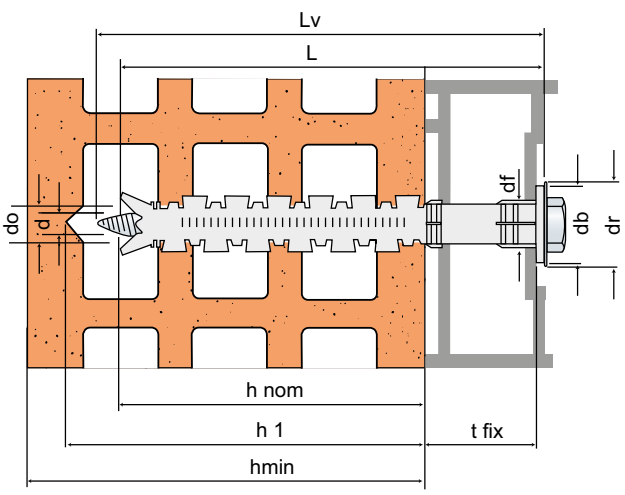
Item code	Dimensions [mm]								Wrench	Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Max. fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_s]				
64302B0808000	Ø8X80	10	80	70	120	8,5	6	85	10	T30	100	1000
64302B0810000	Ø8X100	30	80	70	120	8,5	6	105	10	T30	50	500
64302B0812000	Ø8X120	50	80	70	120	8,5	6	125	10	T30	50	500
64302B0815000	Ø8X150	80	80	70	120	8,5	6	155	10	T30	50	-
64302B1008500	Ø10X85	15	80	70	120	10,5	7	90	13	T40	50	500
64302B1010000	Ø10X100	30	80	70	120	10,5	7	105	13	T40	50	500
64302B1011500	Ø10X115	45	80	70	120	10,5	7	120	13	T40	50	500
64302B1013500	Ø10X135	65	80	70	120	10,5	7	140	13	T40	50	200
64302B1016000	Ø10X160	90	80	70	120	10,5	7	165	13	T40	50	-

ETA 10/0425

FM-X5 A4 Large Rim Plug with Hex Head Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]								Wrench	Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Max. fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_s]				
6440201008500	Ø10X85	15	80	70	120	10,5	7	90	13	T40	50	500
6440201010000	Ø10X100	30	80	70	120	10,5	7	105	13	T40	50	500
6440201011500	Ø10X115	45	80	70	120	10,5	7	120	13	T40	50	500
6440201013500	Ø10X135	65	80	70	120	10,5	7	140	13	T40	50	200
6440201016000	Ø10X160	90	80	70	120	10,5	7	165	13	T40	50	-





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Long Fixings

ETA 10/0425

FM-X5 A4 Countersunk Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]								Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Max. fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_v]			
6430100808000	Ø8X80	10	80	70	120	8,5	6	85	T30	100	1000
6430100810000	Ø8X100	30	80	70	120	8,5	6	105	T30	50	500
6430100812000	Ø8X120	50	80	70	120	8,5	6	125	T30	50	500
6430100815000	Ø8X150	80	80	70	120	8,5	6	155	T30	50	-
6430100817000	Ø8X170	100	80	70	120	8,5	6	175	T30	50	-
6430101008500	Ø10X85	15	80	70	120	10,5	7	90	T40	50	500
6430101010000	Ø10X100	30	80	70	120	10,5	7	105	T40	50	500
6430101011500	Ø10X115	45	80	70	120	10,5	7	120	T40	50	500
6430101013500	Ø10X135	65	80	70	120	10,5	7	140	T40	50	200
6430101016000	Ø10X160	90	80	70	120	10,5	7	165	T40	50	-
6430101020000	Ø10X200	130	80	70	120	10,5	7	205	T40	50	-
6430101023000	Ø10X230	160	80	70	120	10,5	7	235	T40	50	-

ETA 10/0425

FM-X5 A4 Hex Head Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]								Wrench	Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Max. fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_v]				
6430201008500	Ø10X85	15	80	70	120	10,5	7	90	13	T40	50	500
6430201010000	Ø10X100	30	80	70	120	10,5	7	105	13	T40	50	500
6430201011500	Ø10X115	45	80	70	120	10,5	7	120	13	T40	50	500
6430201013500	Ø10X135	65	80	70	120	10,5	7	140	13	T40	50	200
6430201016000	Ø10X160	90	80	70	120	10,5	7	165	13	T40	50	-

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TUP4 Long Nylon **HIGH EXPANSION PLUG**

The TUP4 expansion plug is designed for fixings in solid and hollow building materials.

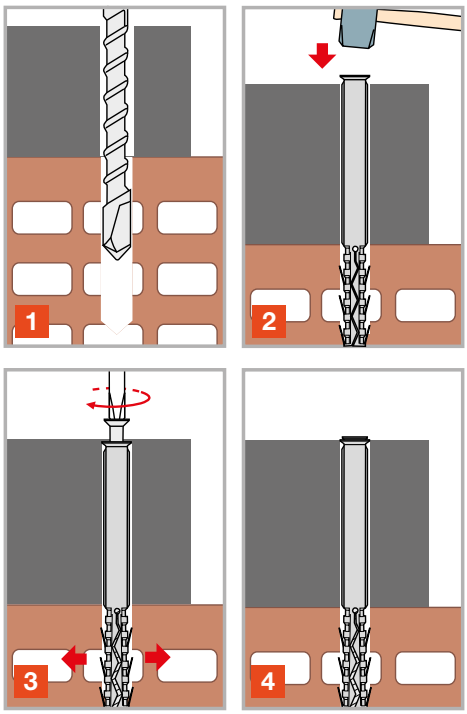
Benefits:
- Controlled expansion during application
- Rounded thread screw

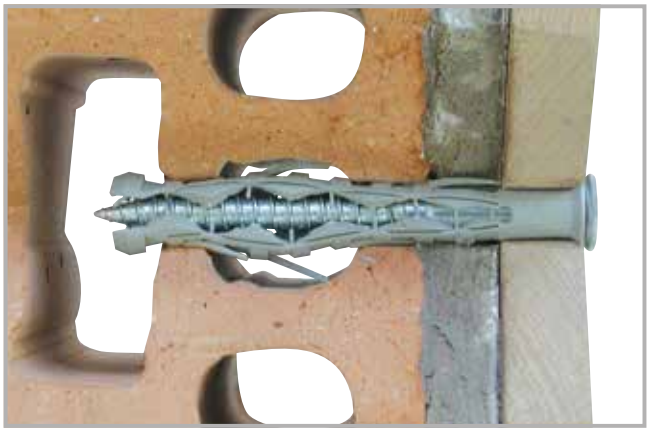
Applications:
- Door and window structural frames
- Wood battens
- Shelving

Material:
- Plug: nylon
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete
- Solid stone

Installation:





SIMPSON Strong-Tie FRÜLS:DER
Supplied in dual-branded packaging

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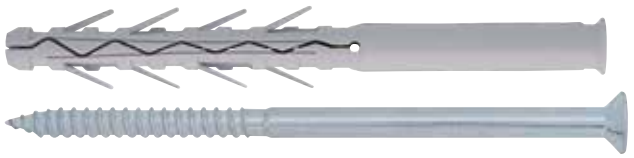
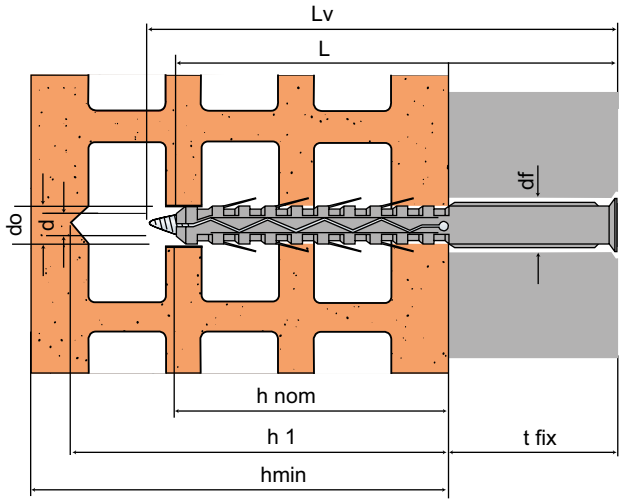
Long Fixings



TUP4 Countersunk Screw with 6-lobe Drive Recess

Item code	Dimensions [mm]								Bit	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_v]			
64103B0808000	Ø8X80	10	80	70	125	8	5,5	85	T-30	100	1000
64103B0810000	Ø8X100	30	80	70	125	8	5,5	105	T-30	50	500
64103B0812000	Ø8X120	50	80	70	125	8	5,5	125	T-30	50	500
64103B1008500	Ø10X85	15	80	70	125	10	7	90	T-40	100	500
64103B1010000	Ø10X100	30	80	70	125	10	7	105	T-40	50	500
64103B1011500	Ø10X115	45	80	70	125	10	7	120	T-40	50	500
64103B1013500	Ø10X135	65	80	70	125	10	7	140	T-40	50	250
64103B1016000	Ø10X160	90	80	70	125	10	7	165	T-40	50	250
64103B1020000	Ø10X200	130	80	70	125	10	7	205	T-40	50	250



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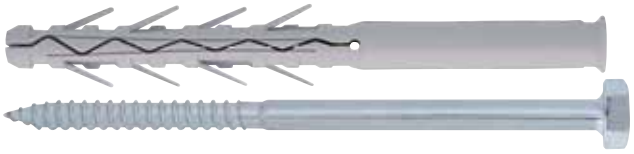
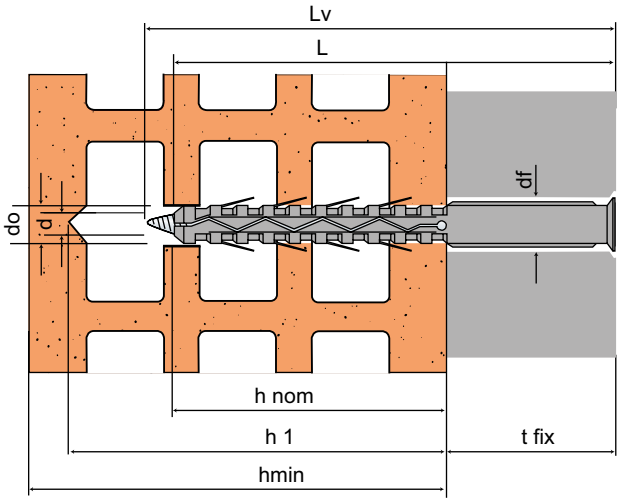
Long Fixings



TUP4 Hex Head Screw

Item code	Dimensions [mm]								Hex key [mm]	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_0xL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Hole diameter in fixture [d_f]	Screw diameter [d]	Screw length [L_v]			
64101B0808000	Ø8X80	10	80	70	125	8	5,5	85	10	100	1000
64101B0810000	Ø8X100	30	80	70	125	8	5,5	105	10	50	500
64101B0812000	Ø8X120	50	80	70	125	8	5,5	125	10	50	500
64101B1008500	Ø10X85	15	80	70	125	10	7	90	13	100	500
64101B1010000	Ø10X100	30	80	70	125	10	7	105	13	50	500
64101B1011500	Ø10X115	45	80	70	125	10	7	120	13	50	500
64101B1013500	Ø10X135	65	80	70	125	10	7	140	13	50	250
64101B1016000	Ø10X160	90	80	70	125	10	7	165	13	50	25
64101B1020000	Ø10X200	130	80	70	125	10	7	205	13	50	250
64101B1213500	Ø12X135	65	80	70	125	12	10	140	17	25	250
64101B1216000	Ø12X160	90	80	70	125	12	10	165	17	25	125
64101B1220000	Ø12X200	130	80	70	125	12	10	205	17	25	125
64101B1224000	Ø12X240	170	80	70	125	12	10	245	17	25	-



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TUPP **LONG NYLON THROUGH ANCHOR** for heavy duty fixings

The TUPP expansion plug with a large built in washer is designed for fixings in solid and hollow building materials.

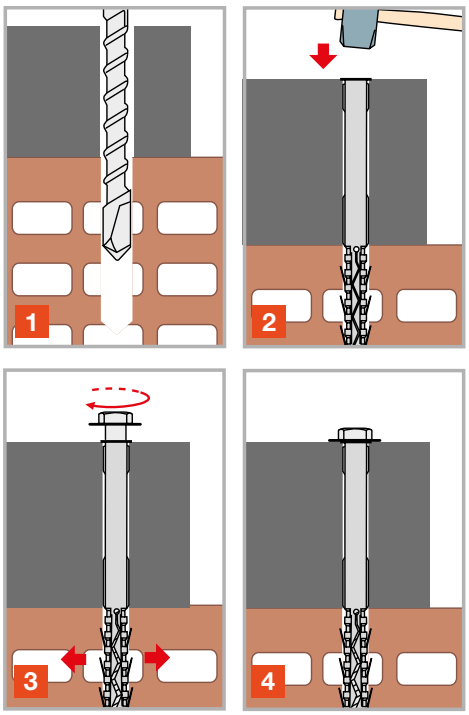
Benefits:
- Hex head screw
- Built-in washer Ø34

Applications:
- Wood building
- Fixing wood beams on concrete and mansory

Material:
- Plug: nylon
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick
- Hollow light aggregate block (partially suitable)
- Aerated concrete
- Solid stone

Installation:



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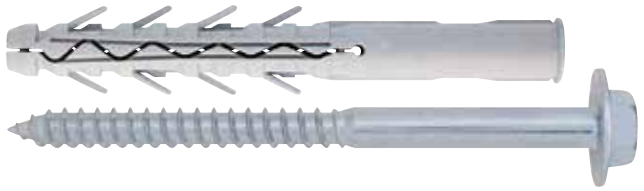
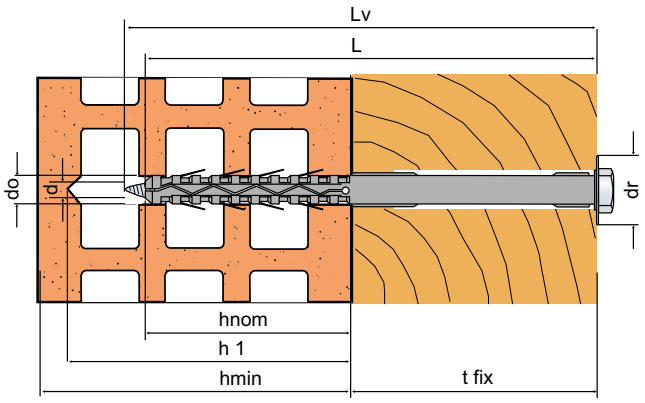
Long Fixings



TUPP Hex Head Screw

Item code	Dimensions [mm]								Wrench [SW]	Qty per box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Washer diameter [d_r]	Screw diameter [d]	Screw length [L_v]		
64001B1614000	Ø16X140	45	110	95	140	34	12	150	19	25
64001B1616000	Ø16X160	65	110	95	140	34	12	170	19	25
64001B1620000	Ø16X200	105	110	95	140	34	12	210	19	25
64001B1624000	Ø16X240	145	110	95	140	34	12	250	19	25



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X1 evo Four Segments Universal Nylon **PLUG**

The X1 evo universal plug in the versions Ø5 to Ø14 mm is designed for fixings in solid, hollow and board building materials.

Benefits:
- Collapsible rim for through or pre-positioned fixing
- Dynamic geometry, ideal for tiled walls
- Maxi dynamic anti-rotation wings for differentiated expansion

Applications:
- Cooling/heating systems
- Electrical/Hydraulic installations
- Lighting
- Furniture

Material:
- Plug: nylon PA6
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Plasterboard
- Solid stone

X1 evo
Plug

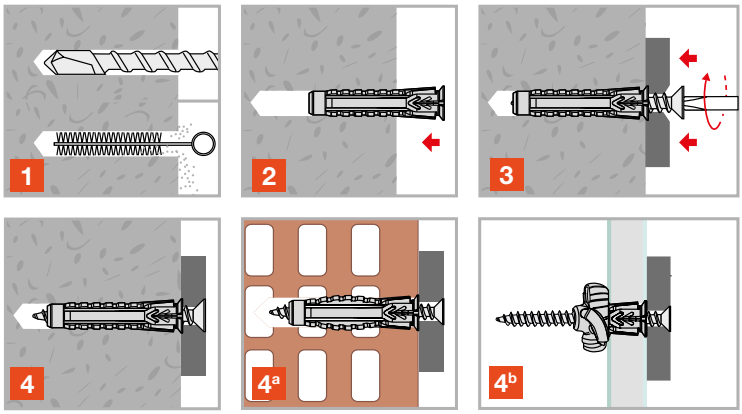
X1 evo
Plug with Chipboard Screw

X1 evo
Plug with Wide Rounded Head Chipboard Screw

X1 evo
Plug with Hex Head Wood Screw with Built-in Washer

X1 evo
Plug with Hex Head Metric Screw with Washer

Installation:



SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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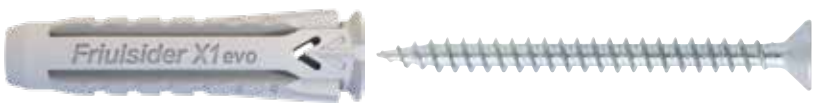
Light Fixings

X1 evo (Plug only)

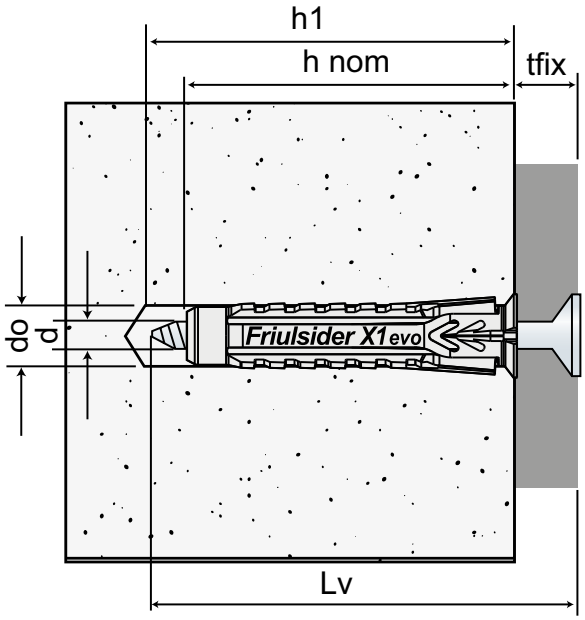
Item code	Dimensions [mm]									Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Hole diameter [d_o]	Min. hole depth*) [h_1]	Nominal embedment depth*) [h_{nom}]	Recommended screw diameters						
					Chipboard screw		Wood screw		Metric screw		
					min	max	min	max			
6007000502500	Ø5X25	5	35	25	3	4	3	4	M3	100	3200
6007000603000	Ø6X30	6	40	30	4	5	4	5	M4	100	3200
6007000804000	Ø8X40	8	50	40	4,5	6	4,5	6	M5	100	1600
6007001005000	Ø10X50	10	60	50	6	8	6	8	M6	50	800
6007001206000	Ø12X60	12	70	60	8	-	8	10	M8	25	400
6007001407000	Ø14X70	14	80	70	-	-	10	12	M10	20	160

*) *Values refer to installation on solid or part hollow base materials.*



X1 evo Plug with Chipboard Screw with Pozidrive Recess

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]		
60071B0502500	Ø5X25	1,5	4	30	100	3200
60071B0603000	Ø6X30	5	4,5	40	100	1600
60071B0804000	Ø8X40	5	5	50	50	800
60071B1005000	Ø10X50	5	6	60	25	400



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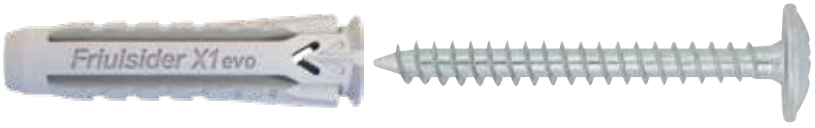
Light Fixings

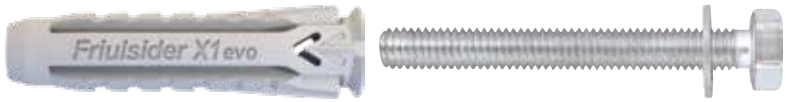


X1 evo Plug with Wide Rounded Head Chipboard Screw with Pozidrive Recess

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]		
60072B0502500	Ø5x25	1,5	3,5	30	100	1200
60072B0603000	Ø6x30	5,0	4,5	40	100	1200
60072B0804000	Ø8x40	5,0	5,0	50	50	600

X1 evo Plug with Hex Head Wood Screw with Built-in Washer

Item code	Dimensions [mm]				Wrench [SW]	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]			
60073B0804000	Ø8x40	5	6	50	10	100	600
60073B1005000	Ø10x50	5	6	60	10	100	400
60073B1206000	Ø12x60	5	8	70	13	50	200
60073B1407000	Ø14x70	5	10	80	17	25	150



X1 evo Plug with Hex Head Metric Screw with Washer

Item code	Dimensions [mm]				Wrench [SW]	Washer Ø	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]				
60074B0603000s	Ø6x30	5	M4	40	7	4,3x9	100	1200
60074B0804000s	Ø8x40	5	M5	50	8	5,3x10	50	600
60074B1005000s	Ø10x50	5	M6	60	10	6,4x12	25	300
60074B1206000s	Ø12x60	5	M8	70	13	8,4x16	25	150
60074B1407000s	Ø14x70	5	M10	80	17	10,5x20	20	120

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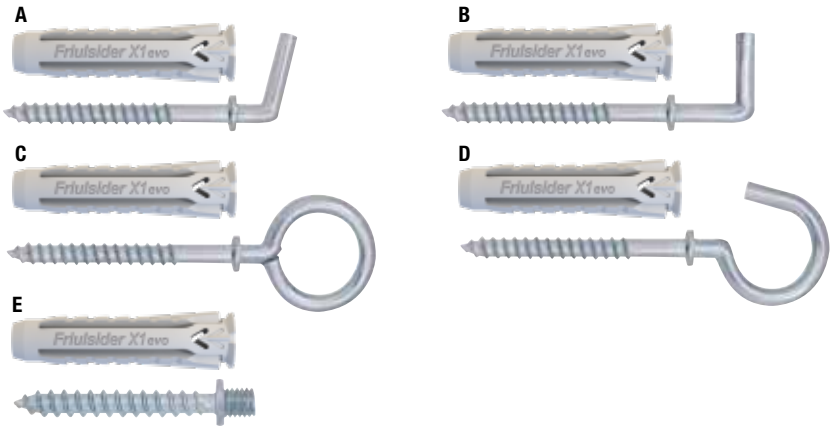
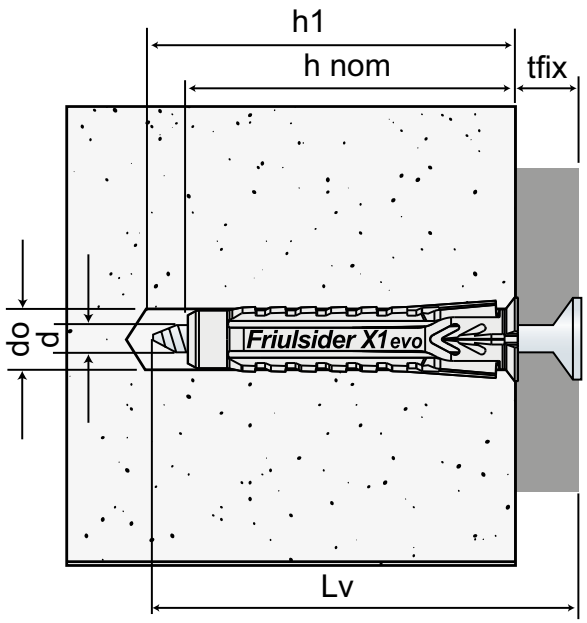
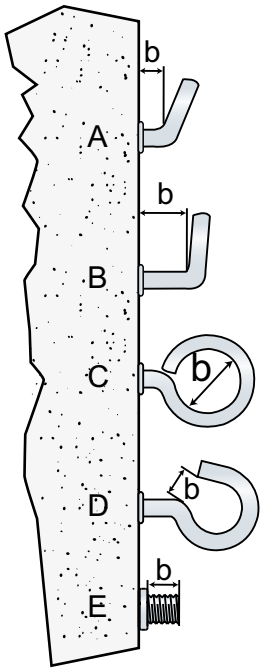
Light Fixings



X1 evo Plug with White Zinc Plated Accessories

Item code	Description	Dimensions [mm]			Qty per box	Qty per outer box
		Hole diameter x anchor length [d_oxL]	Screw diameter [d]	Accessory dimension [b]		
60076B0603000	Short hook - A	Ø6x30	4,0	4	100	1200
60077B0603000	Medium hook - B	Ø6x30	4,0	10	100	1200
60078B0603000	Eye - C	Ø6x30	4,0	13	100	600
60079B0603000	Cup hook - D	Ø6x30	4,0	7	100	600
60091B0603000	Double threaded screw M6 - E	Ø6x30	4,0	M6x6mm	100	1000
60076B0804000	Short hook - A	Ø8x40	4,5	10	25	300
60079B0804000	Cup hook - D	Ø8x40	4,5	10	25	300





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Light Fixings

X1 evo Plug with Chipboard Screw - Square Fixing Set with Screw Cap

Item code	Contents	Dimensions [mm]	Qty per fixing set	Qty fixing sets per outer box
90413B00000	X1 evo nylon plug	6x30	300	6
	Chipboard screw - fully threaded - white zinc plated	4,5x40	300	
	Wall plus drill bit - sds fitting	6x160	1	
90413B00001	X1 evo nylon plug	8x40	150	6
	Chipboard screw - fully threaded - white zinc plated	5x50	150	
	Wall plus drill bit - sds fitting	8x160	1	

X1 evo/X1 evo-L Cardboard Display

Item code		Contents	Ø x L	Qty per box	Qty boxes per display
60071B00018	60071B06050	**X1 evo-L** Universal nylon plug increased length Countersunk head chipboard screw	6x50	100	8
	60071B08060		8x60	50	8
	60071B06030	**X1 evo** Universal nylon plug Countersunk head chipboard screw	6x30	100	16
	60071B08040		8x40	50	16
				Qty per fixing set	Qty fixing sets per display
	90413B00000	**X1 evo** Universal nylon plug Countersunk head chipboard screw Wall plus drill bit - sds fitting	6x30	300	6
	90413B00001		8x40	150	6

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X1 evo-L Four Segments Universal Nylon **PLUG** (Increased Length)

The X1 evo-L universal plug with increased lengths in the versions Ø6 to Ø10 mm is designed for fixings in solid, hollow and board building materials.

X1 evo-L

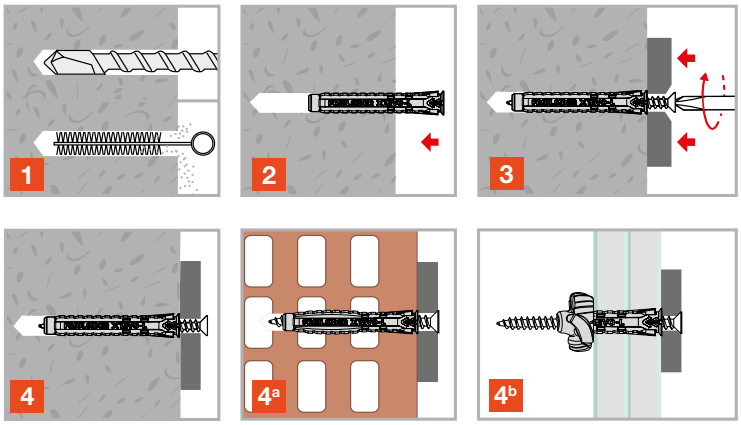
Benefits:
- Greater anchoring depth
- Knot guaranteed even on double plasterboard panels
- Collapsible rim for through or pre-positioned fixing
- Dynamic geometry, ideal for tiled walls
- Maxi dynamic anti-rotation wings for differentiated expansion

Applications:
- Electrical installations
- Railings
- Cooling/Heating systems
- Furniture

Material:
- Plug: nylon PA6
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Plasterboard
- Solid stone

Installation:



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Supplied in dual-branded packaging

Light Fixings

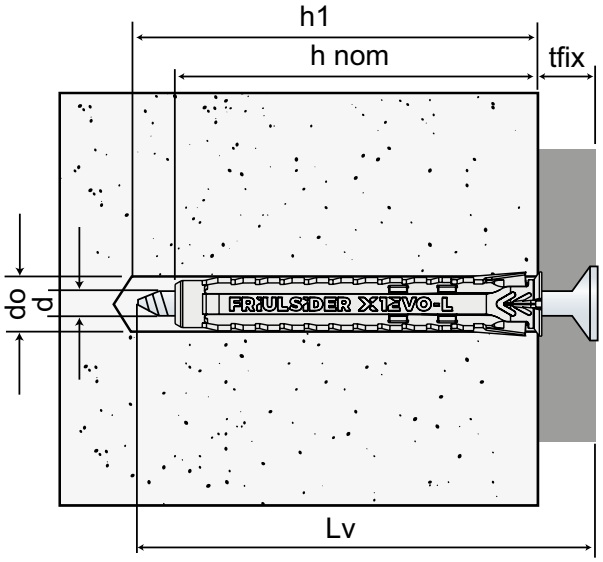
X1 evo-L (Plug only)

Item code	Dimensions [mm]									Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Hole diameter [d_o]	Min. hole depth*) [h_1]	Nominal embedment depth*) [h_{nom}]	Recommended screw diameters						
					Chipboard screw		Wood screw		Metric screw		
					min	max	min	max			
6007000605000	Ø6X50	6	60	50	4	5	4	5	M4	200	1600
6007000806000	Ø8X60	8	70	60	4,5	6	4,5	6	M5	100	800
6007001007000	Ø10X70	10	80	70	6	8	6	8	M6	50	400

*) *Values refer to installation on solid or part hollow base materials.*

X1 evo-L Plug with Chipboard Screw with Pozidrive Recess

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]		
60071B0605000	Ø6X50	5	4,5	60	100	800
60071B0806000	Ø8X60	5	5	70	50	400
60071B1007000	Ø10X70	5	6	80	25	200



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XP Universal Nylon **PLUG**

The XP universal plug with increased lengths in the versions Ø6 to Ø10 mm is designed for fixings in solid, hollow and board building materials.

Benefits:
- Strong fixing thanks Greater anchoring depth and design of plug
- Knot guaranteed even on double plasterboard panels
- Four strong anti-rotation wings for best fixing in plasterboard

Applications:
- Electrical installations
- Railings
- Cooling/Heating systems
- Furniture

Material:
- Plug: nylon PA8
- Chipboard Screw: white zinc plated steel

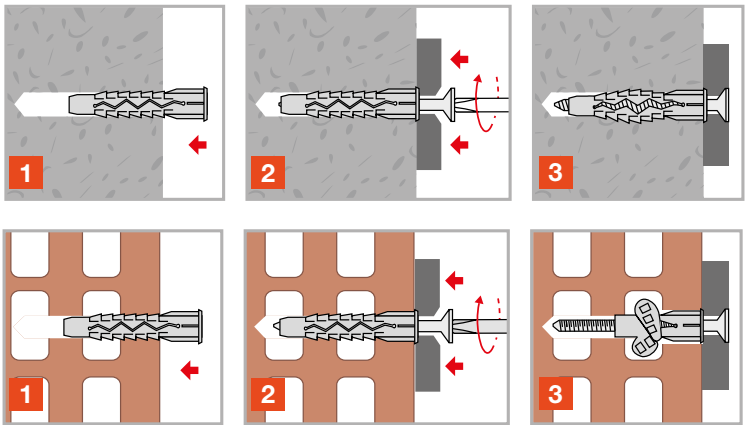
Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Plasterboard
- Solid stone

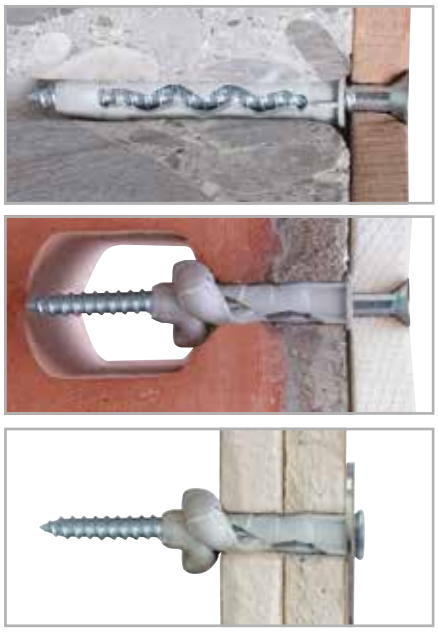
XP
Plug Only

XP
Plug with Chipboard Screw

XP
Plug with Wide Rounded Head Chipboard Screw

Installation:





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Light Fixings

XP (Plug only)

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Hole diameter [d_o]	Min. hole depth*) [h_1]	Nominal embedment depth*) [h_{nom}]		
6600000603300	Ø6X33	6	50	33	200	2000
6600000604500	Ø6X45	6	60	45	200	-
6600000805200	Ø8X52	8	65	52	100	-
6600001006500	Ø10X65	10	80	65	50	-

*) *Values refer to installation on solid or part hollow base materials.*

XP Plug with Chipboard Screw with Pozidrive Recess

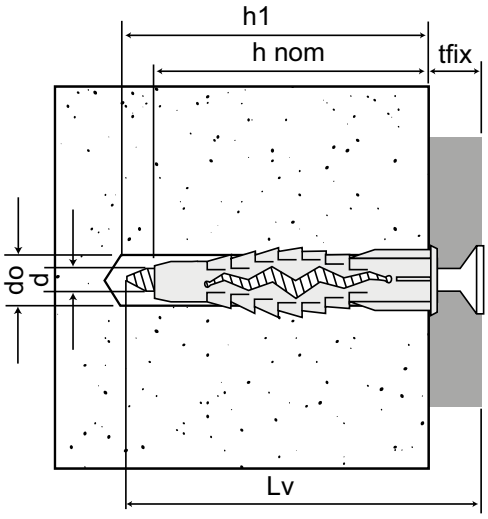
Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]***)		
6600100603300	Ø6X33	5	4,5	45	100	1000
6600100604500	Ø6X45	5	4,5	55	100	-
6600100805200	Ø8X52	5	5	60	100	-
6600101006500	Ø10X65	5	6	75	50	-

***) *The screw may be supplied 5 mm longer than the nominal.*

XP Plug with Wide Rounded Head Chipboard Screw with Pozidrive Recess

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Screw diameter [d]	Screw length [L_v]***)		
6600300603300	Ø6X33	5	4,5	45	100	-
6600300604500	Ø6X45	5	4,5	55	100	-
6600300805200	Ø8X52	5	5	60	50	-

***) *The screw may be supplied 5 mm longer than the nominal.*



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TMT Polypropylene **PLUG** for Plasterboard

The TMT polypropylene plug in the versions Ø6, Ø8, Ø10 and Ø12 mm is universally suitable for fixings in concrete, masonry and panel building materials.

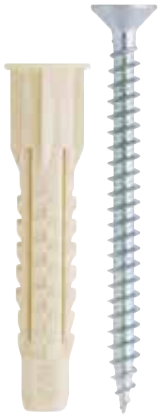
Benefits:
- Suitable above all for hollow base materials and plasterboard
- Anti-rotation wings

Applications:
- Shelving
- Light internal furnishings
- Lighting

Material:
- Plug: nylon
- Screws: white zinc plated steel

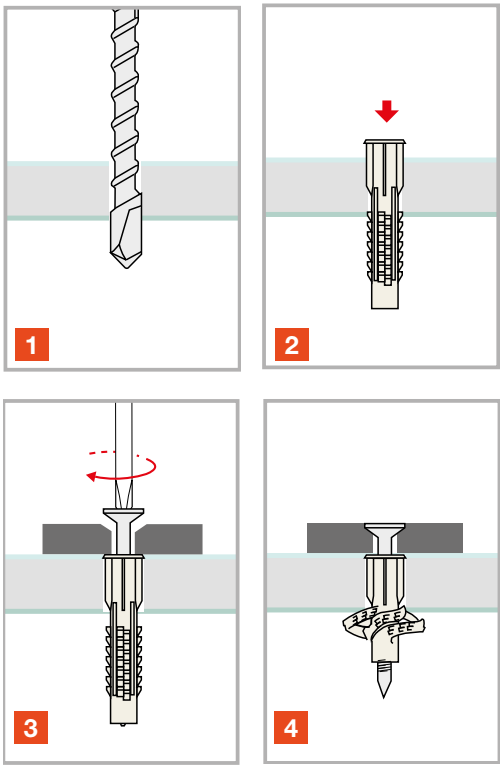
Suitable for:
- Plasterboard
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Panels and sheets
- Non-cracked concrete (partially suitable)
- Solid brick (partially suitable)
- Honeycomb brick (partially suitable)
- Solid stone (partially suitable)

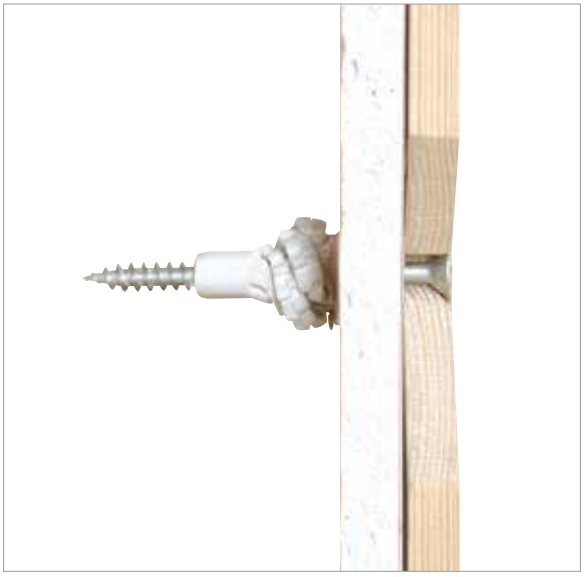
TMT
Plug Only



TMT
Plug with Chipboard Screw

Installation:





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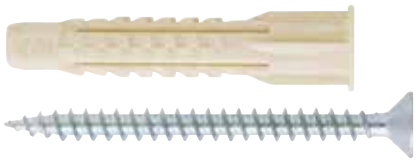
Light Fixings

TMT (Plug only)

Item code	Dimensions [mm]				Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Hole diameter [d_o]	Minimum hole depth [h_1]*)	Nominal embedment depth [h_{nom}]*)		
6500000603300	6.0X33	6	45	32	100	1000
6500000604600	6.0X46	6	60	45	100	1000
6500000805100	8.0X51	8	65	50	100	1000
6500001006600	10.0X66	10	75	65	100	1000
6500001207200	12.0X72	12	90	70	50	500

*) *Values refer to installation on solid or part hollow base materials.*



TMT Plug with Chipboard Screw with Pozidrive Recess

Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Minimum hole depth [h_1]*)	Nominal embedment depth [h_{nom}]*)	Screw diameter [d]	Anchor length [L_v]		
6500200603300	6.0X33	5	45	32	4	40	100	1000
6500200604600	6.0X46	5	60	45	4	55	100	1000
6500200805100	8.0X51	5	65	50	5	60	100	1000
6500201006600	10.0X66	5	75	65	6	75	100	1000
6500201207200	12.0X72	5	90	70	8	90	50	500

*) *Values refer to installation on solid or part hollow base materials.*

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TBB Large Rim Preassembled Nylon **PLUG**

The TBB nail anchors with a large rim in the Ø6 and Ø8 mm versions are approved for fastening in concrete. When the nail screw is driven into the plug, it is expanded and securely anchored in the building material. The anchor is installed by hammering in the expansion nail

TBB

Benefits:
- Large rim for tinsmith professionals
- Innovative geometry

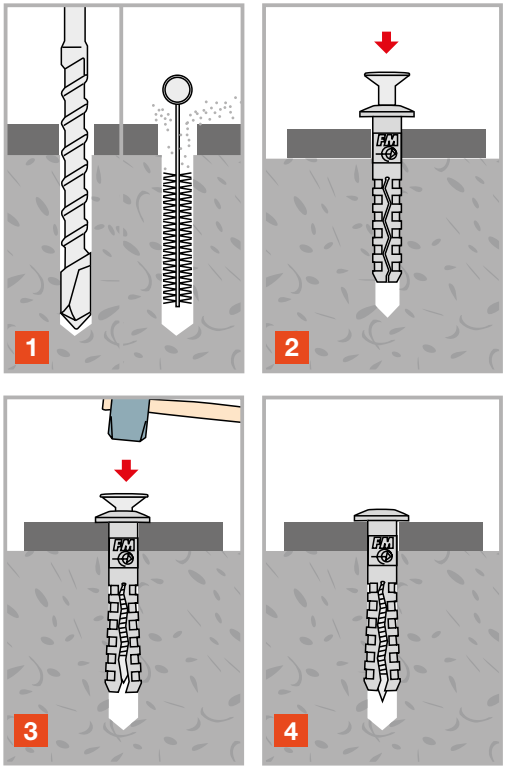
Applications:
- Metal profiles
- Support rails for plasterboard
- Signs

Material:
- Plug: grey nylon PA6
- Screw: white zinc plated steel

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone

CE
ETA 10/0190

Installation:



TBB

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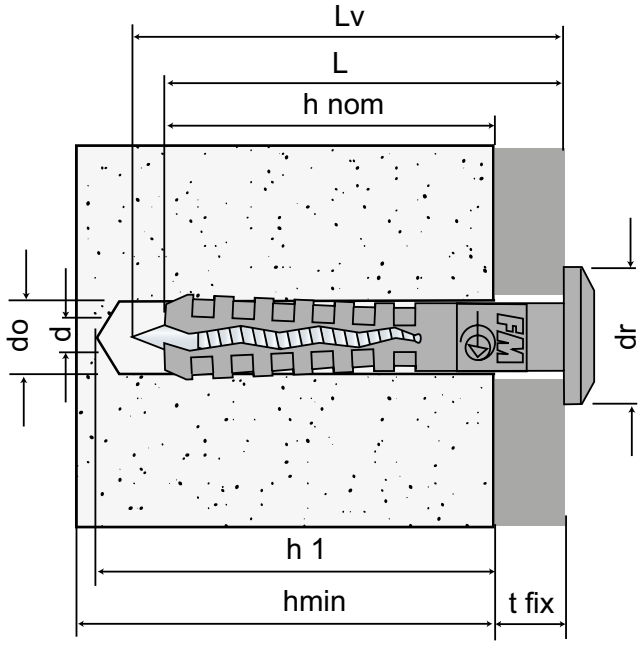
Light Fixings

ETA 10/0190

TBB with Pozidrive Recess

Item code	Dimensions [mm]								Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter [d]	Screw length [L_v]	Collar diameter [d_r]		
62100B0604000*)	Ø6X40	10	40	30	100	3,8	45	13	200	1600
62100B0605000*)	Ø6X50	20	40	30	100	3,8	55	13	100	1000
62100B0606000*)	Ø6X60	30	40	30	100	3,8	65	13	100	1000
62100B0808000	Ø8X80	40	50	40	100	4,8	85	15	150	1500
62100B0810000	Ø8X100	60	50	40	100	4,8	105	15	100	1000
62100B0812000	Ø8X120	80	50	40	100	4,8	125	15	100	1000
62100B0814000	Ø8X140	100	50	40	100	4,8	145	15	50	500
62100B0816000	Ø8X160	120	50	40	100	4,8	165	15	50	500

*) *Not covered by CE certification*



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TSS Countersunk Preassembled Nylon **PLUG**

The TSS nylon plug in Ø5 and Ø10 mm versions are approved for fastening in concrete. When the nail screw is driven into the anchor plug, it is expanded and securely anchored in the building material.

Benefits:
- Countersunk rim for roofing professionals
- Innovative geometry

Applications:
- Wooden battens
- Electrical components
- Skirting boards

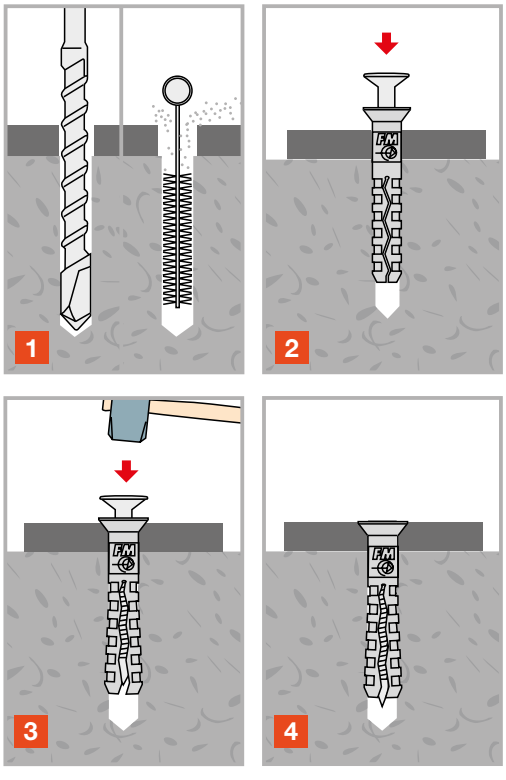
Material:
- Plug: nylon PA6
- Screw: white zinc plated steel/Stainless Steel A2

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone

TSS TSS A2

ETA 10/0190

Installation:



TSS

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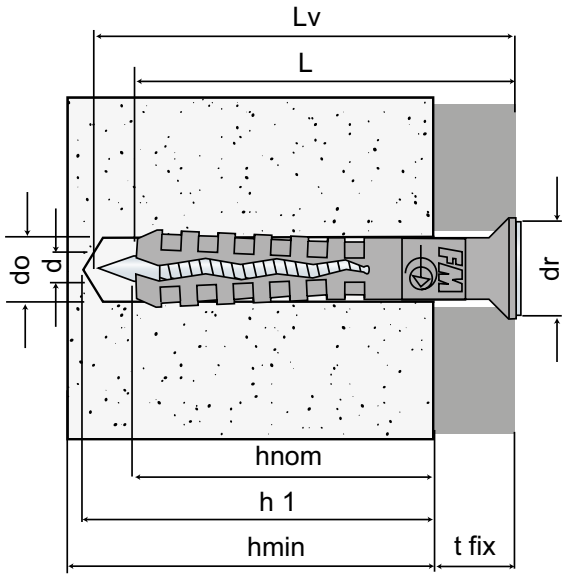
Light Fixings

ETA 10/0190

TSS with Pozidrive Recess

Item code	Dimensions [mm]								Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter [d]	Screw length [L_v]	Collar diameter [d_r]		
62200B0503000	Ø5X30*)	5	35	25	50	3,4	35	8,5	300	3000
62200B0504000	Ø5X40*)	15	35	25	50	3,4	45	8,5	200	2000
62200B0505000	Ø5X50*)	25	35	25	50	3,4	55	8,5	200	2000
62200B0604000	Ø6X40	10	40	30	100	3,8	45	10	200	2000
62200B0605000	Ø6X50	20	40	30	100	3,8	55	10	100	1000
62200B0606000	Ø6X60	30	40	30	100	3,8	65	10	100	1000
62200B0608000	Ø6X80	50	40	30	100	3,8	85	10	100	1000
62200B0806000	Ø8X60	20	50	40	100	4,8	65	12	150	1500
62200B0808000	Ø8X80	40	50	40	100	4,8	85	12	150	1500
62200B0810000	Ø8X100	60	50	40	100	4,8	105	12	100	1000
62200B0812000	Ø8X120	80	50	40	100	4,8	125	12	100	1000
62200B0814000	Ø8X140	100	50	40	100	4,8	145	12	100	1000
62200B1008000	Ø10X80*)	30	60	50	100	7	85	14	100	1000
62200B1010000	Ø10X100*)	50	60	50	100	7	105	14	100	400
62200B1013500	Ø10X135*)	85	60	50	100	7	140	14	50	500
62200B1016000	Ø10X160*)	110	60	50	100	7	165	14	50	500

*) *Not covered by CE certification*



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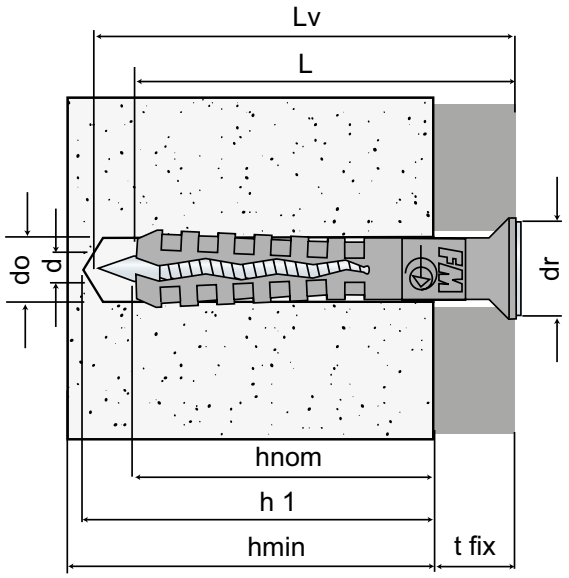
Light Fixings

ETA 10/0190

TSS A2 with Pozidrive Recess

Item code	Dimensions [mm]								Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter [d]	Screw length [L_v]	Collar diameter [d_r]		
62203X0503000	Ø5X30*)	5	35	25	50	3,4	35	8,5	300	3000
62203X0504000	Ø5X40*)	15	35	25	50	3,4	45	8,5	200	2000
62203X0505000	Ø5X50*)	25	35	25	50	3,4	55	8,5	200	2000
62203X0604000	Ø6X40	10	40	30	100	3,8	45	10	200	1600
62203X0605000	Ø6X50	20	40	30	100	3,8	55	10	100	1000
62203X0606000	Ø6X60	30	40	30	100	3,8	65	10	100	800
62203X0608000	Ø6X80	50	40	30	100	3,8	85	10	100	800

*) *Not covered by CE certification / quantity and delivery terms to be agreed*



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TPP Cylindrical head preassembled nylon **PLUG**

The TPP anchor consists of a plastic expansion sleeve with a collar for fixing the profiles for thermal insulation systems and a metallic nail as an expansion element.
The anchor is installed in a pre-drilled hole by hammering in the expansion nail.

Benefits:
- Cylindrical rim for roofing professionals
- Innovative geometry

Applications:
- Wooden battens
- Signs
- Thin metal profiles

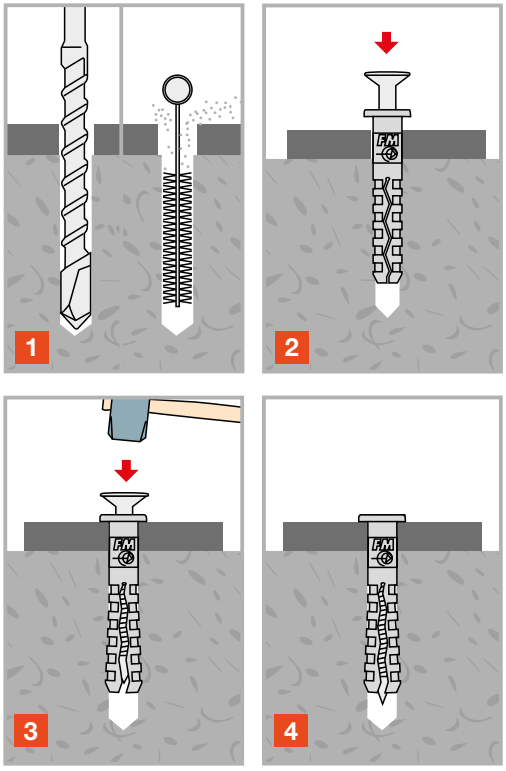
Material:
- Plug: grey nylon PA6
- Screw: white zinc plated steel/Stainless Steel A2

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone

TPP TPP A2

CE ETA 10/0190

Installation:



SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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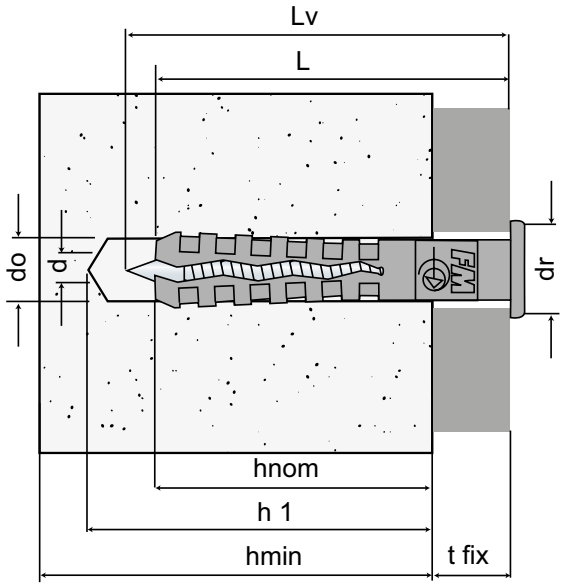
Light Fixings

ETA 10/0190

TPP with Pozidrive Recess

Item code	Dimensions [mm]								Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter [d]	Screw length [L_v]	Collar diameter [d_r]		
62700B0503000	Ø5X30*)	5	35	25	50	3,4	35	9	300	3000
62700B0504000	Ø5X40*)	15	35	25	50	3,4	45	9	200	2000
62700B0505000	Ø5X50*)	25	35	25	50	3,4	55	9	200	2000
62703B0603500	Ø6X35[1)]	5	40	30	100	3,8	40	11	200	2000
62700B0604000	Ø6X40	10	40	30	100	3,8	45	10	200	2000
62700B0605000	Ø6X50	20	40	30	100	3,8	55	10	100	1000
62700B0606000	Ø6X60	30	40	30	100	3,8	65	10	100	1000
62703B0804000	Ø8X40[1)]	5	45	35	100	4,8	45	11	200	2000
62700B0806000	Ø8X60	20	50	40	100	4,8	65	11,5	150	1500
62700B0808000	Ø8X80	40	50	40	100	4,8	85	11,5	150	1500
62700B0810000	Ø8X100	60	50	40	100	4,8	105	11,5	100	1000
62700B0812000	Ø8X120	80	50	40	100	4,8	125	11,5	100	1000
62700B0814000	Ø8X140	100	50	40	100	4,8	145	11,5	100	400

*) *Not covered by CE certification*
[1)] *With reduced embedment depths*



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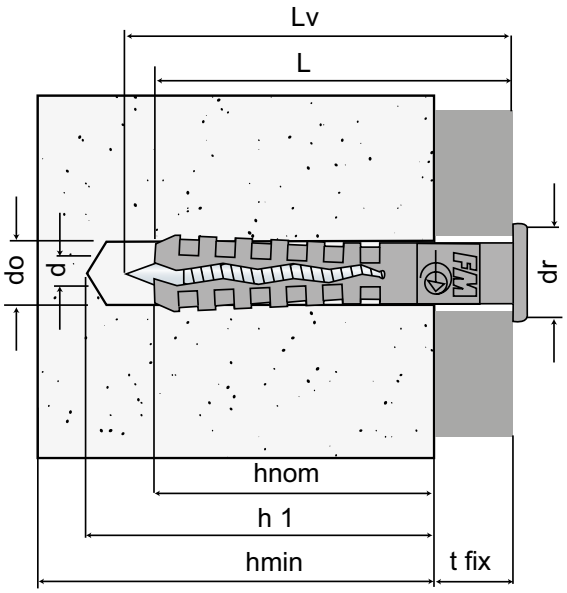
Light Fixings

ETA 10/0190

TPP A2 with Pozidrive Recess

Item code	Dimensions [mm]								Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Fixture thickness [t_{fix}]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter [d]	Screw length [L_v]	Collar diameter [d_r]		
62701X0604000	Ø6X40	10	40	30	100	3,8	45	10	200	1600
62701X0605000	Ø6X50	20	40	30	100	3,8	55	10	100	1000
62701X0606000	Ø6X60	30	40	30	100	3,8	65	10	100	1000
62701X0808000	Ø8X80	40	50	40	100	4,8	85	11,5	100	1000



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Light Fixings

TU Nylon **PLUG**

The TU nylon plug is a versatile fixing solution for light applications in solid and hollow building materials.

Benefits:
- Suitable for most light fixing applications
- Anti-rotation wings
- Maximum expansion

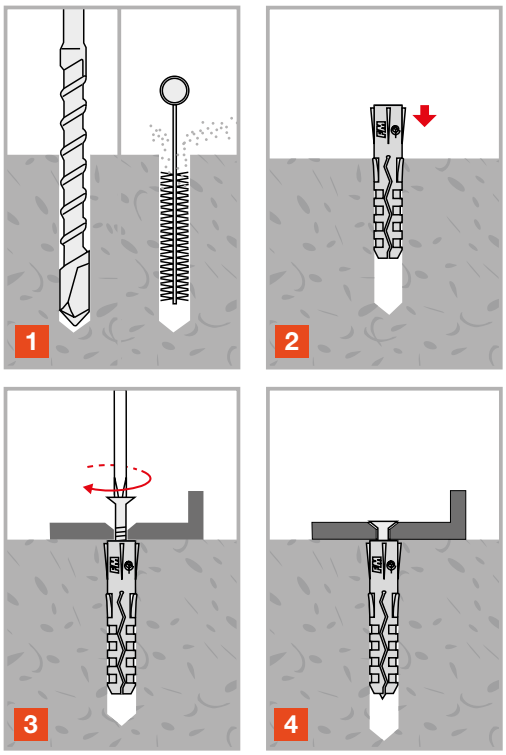
Applications:
- Wooden battens
- Light internal furnishings
- Signs

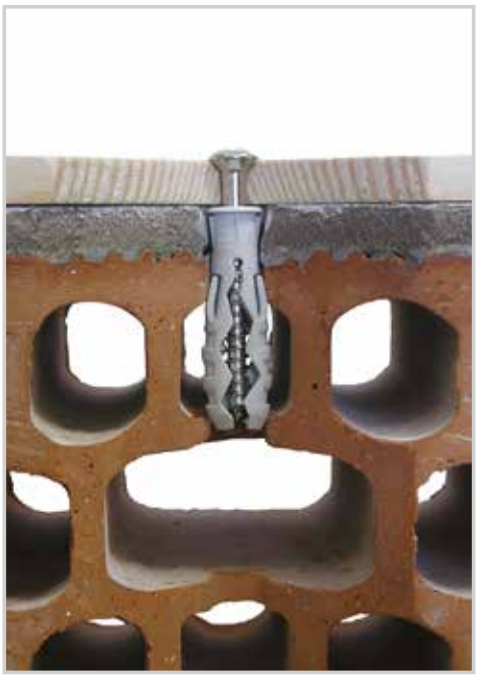
Material:
- Nylon: Polyamid PA6

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete
- Solid stone

TU
Nylon

Installation:





SIMPSON Strong-Tie FRIULSIDER
Supplied in dual-branded packaging

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Light Fixings

TU Rimless Nylon Plug

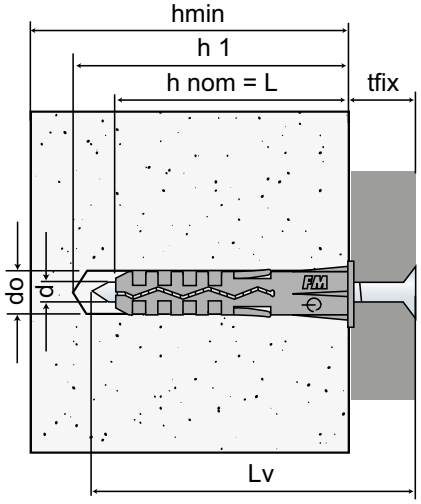
Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Hole diameter x anchor length [d_0xL]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Min. screw diameter [d]	Max. screw diameter [d]		
6010100402000[1)]	Ø4X20	30	20	40	2	3	300	9600
6010100502500	Ø5X25	35	25	50	2,5	4	100	3200
6010100603000	Ø6X30	40	30	60	3,5	5	100	3200
6010100703500[1)]	Ø7X35	45	35	80	4	5,5	150	2400
6010100804000	Ø8X40	55	40	80	4,5	6	100	1600
6010101005000	Ø10X50	65	50	100	6	8	50	800
6010101006000	Ø10X60	75	60	120	6	8	25	400
6010101206000[1)]	Ø12X60	75	60	120	8	10	25	400
6010101408000[1)]	Ø14X80	100	80	160	10	12	20	160
6010101608000[1)]	Ø16X80	100	80	160	12	14	15	120

[1)] *Previous version geometry*

TU Rimmed Nylon Plug

Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Hole diameter x anchor length [d_0xL]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Min. screw diameter [d]	Max. screw diameter [d]		
6000100402000[1)]	Ø4X20	30	20	40	2	3	300	9600
6000100502500	Ø5X25	35	25	50	2,5	4	100	3200
6000100603000	Ø6X30	40	30	60	3,5	5	100	3200
6000100703500[1)]	Ø7X35	45	35	80	4	5,5	150	2400
6000100804000	Ø8X40	55	40	80	4,5	6	100	1600
6000101005000	Ø10X50	65	50	100	6	8	50	800
6000101006000	Ø10X60	75	60	120	6	8	25	400
6000101206000[1)]	Ø12X60	75	60	120	8	10	25	400
6000101408000[1)]	Ø14X80	100	80	160	10	12	20	160
6000101608000[1)]	Ø16X80	100	80	160	12	14	15	120

[1)] *Previous version geometry*



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TML Nylon **PLUG** for Aerated Concrete

TML concrete anchors Ø10 - Ø 14 mm are specially designed for fastening in aerated concrete. The anchor is placed after pre-drilling, whereby the external thread cuts positively into the building material and ensures a secure hold. The add-on parts can then be mounted using wood screws or metric screws.

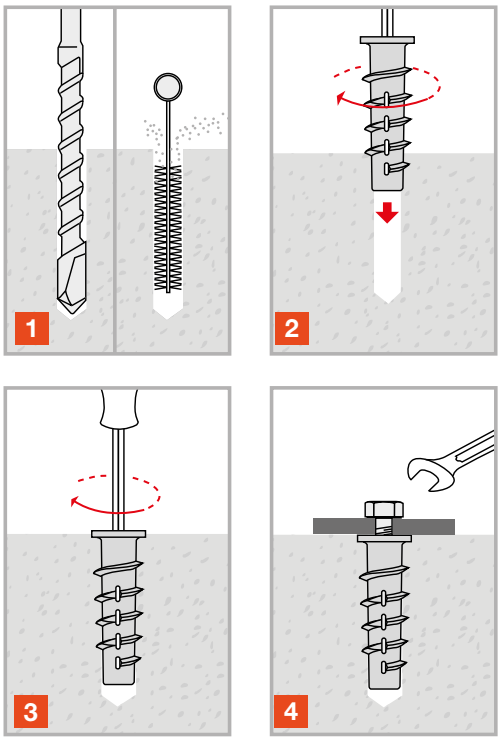
Benefits:
- High quality nylon plug
- Suitable for wood screws and metric screws

Applications:
- Pictures, Lamps
- Cable and pipe clamps
- Wall cupboards, shelves
- Signs
- Letterboxes

Material:
- Nylon (polyamide PA 6.6)

Suitable for:
- Aerated concrete

Installation:



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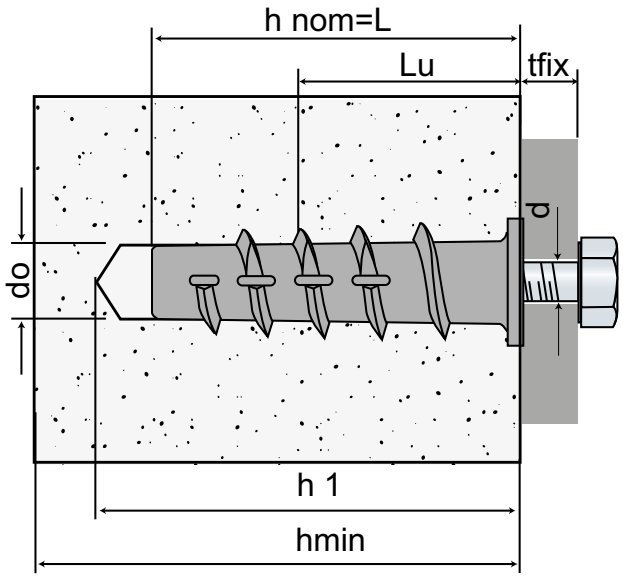
SIMPSON Strong-Tie FRÜLS:DER
Supplied in dual-branded packaging

Light Fixings

TML

Item code	Dimensions [mm]								Hex socket / recess [SW]	Qty per box	Qty per outer box
	Hole diameter x anchor length [d_0xL]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. support thickness [h_{min}]	Screw diameter min. [d]	Screw diameter max. [d]	Metric screw diameter	Minimum thread engagement [L_u]			
6260100605000	10X50	60	50	75	5,5	6	M6	40	6	25	250
6260100806000	12X60	70	60	85	7	8	M8	50	8	25	250
6260101007000	14X70	80	70	100	9	10	M10	60	10	25	250

Screw Length: $L_v = L_u + t_{fix}$



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AM Metal **SPRING TOGGLE**

The AM spring toggle is ideal for light fixings in cell-brick, hollow block materials as well as plasterboard.

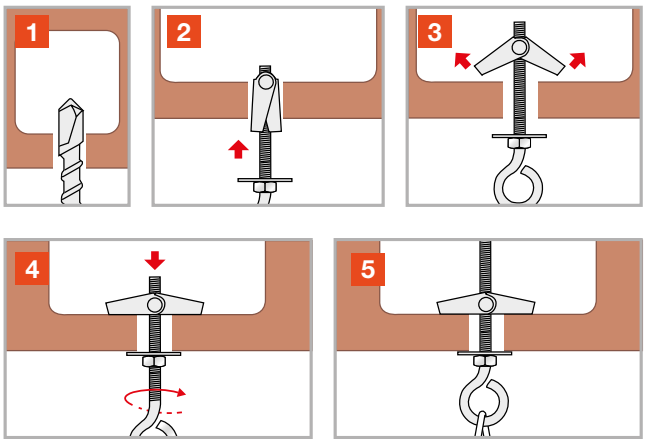
- Benefits:
- The anchor sets automatically after inserting in the hole due to the spring inside the anchor.
- Applications:
- Electrical and plumbing accessories
- Light fittings
- Curtain rails
- Material:
- Steel
- White zinc plated
- Suitable for:
- Cell like clay brick
- Plasterboard
- Panels and sheets
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)

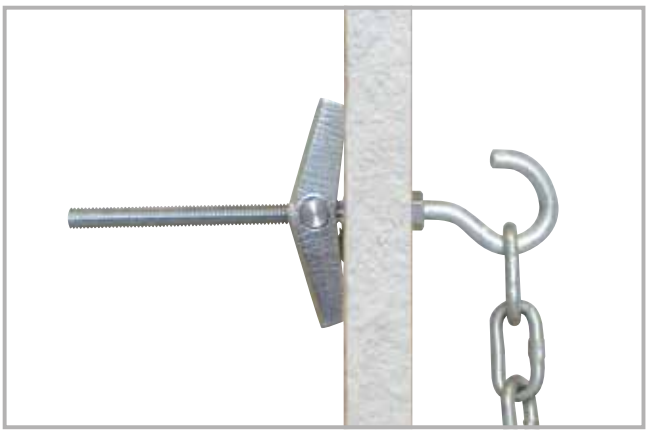
AM
Eye Hook

AM
Cup Hook

AM
Countersunk Head Screw

Installation:





AM Eye Hook

Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Type [ØxL]	Hole diameter [d_o]	Max. wall thickness [h_{max}]	Min. empty space for correct opening of anchor [A_{min}]	Washer diameter [d_i]	Ø internal eye hook [O]		
76310B0407000	M4X70	12	40	25	20	14	100	600
76310B0507000	M5X70	14	35	30	24	14	100	600

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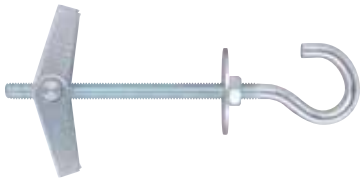
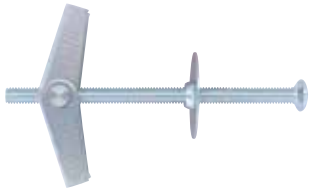
Light Fixings



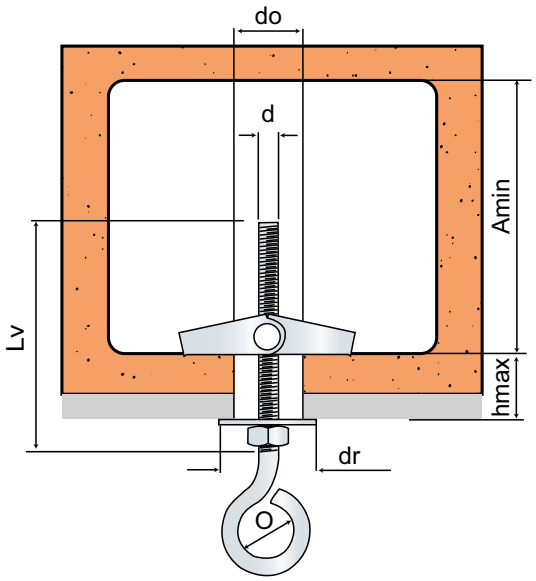
AM Cup Hook

Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Type [ØxL]	Hole diameter [d_o]	Max. wall thickness [h_{max}]	Min. empty space for correct opening of anchor [A_{min}]	Washer diameter [d_r]	Ø internal hook [O]		
76210B0407000	M4X70	12	40	25	20	14	100	600
76210B0507000	M5X70	14	35	30	24	14	100	600
76210B0607500	M6X75	18	35	35	25	14	50	300



AM Rounded Countersunk Head Screw

Item code	Dimensions [mm]					Qty per box	Qty per outer box
	Type [ØxL]	Hole diameter [d_o]	Max. wall thickness [h_{max}]	Min. empty space for correct opening of anchor [A_{min}]	Washer diameter [d_r]		
76010B0407500	M4X75	12	45	25	20	100	600
76010B0410000	M4X100	12	70	25	20	100	600
76010B0412000	M4X120	12	90	25	20	100	600
76010B0505000	M5X50	14	15	30	24	100	600
76010B0508000	M5X80	14	45	30	24	100	600
76010B0510000	M5X100	14	65	30	24	100	600
76010B0512000	M5X120	14	85	30	24	100	400



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TW Anchor for **SUSPENDED CEILING**

The TW is a Ø6.0 mm wedge anchor for suspended ceilings.

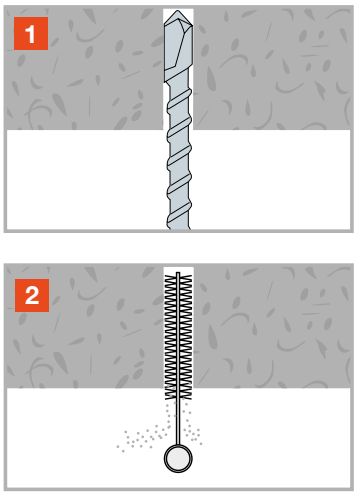
Benefits:
- Suitable for the installation of suspended ceilings or elements

Applications:
- Suspended ceilings

Material:
- Steel
- White zinc plated

Suitable for:
- Non-cracked concrete
- Solid brick
- Solid stone

Installation:



SIMPSON Strong-Tie FRÚLSIDER
Supplied in dual-branded packaging

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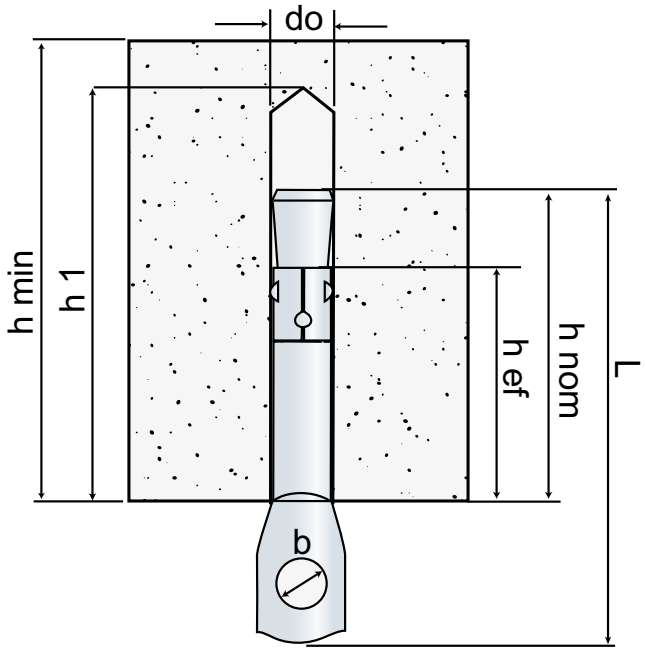
Light Fixings

TW

Item code	Dimensions [mm]						Qty per box	Qty per outer box
	Hole diameter x anchor length [d_oxL]	Min. hole depth [h_1]	Nominal embedment depth [h_{nom}]	Min. setting depth [h_{ef}]	Min. support thickness [h_{min}]	Ø internal eye [b]		
71000B0606000	Ø6X60	>=50	45	35	100	6	100	1600



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FVEC Vertical **WC FIXING**

The FVEC WC fixing is easy to install and makes it possible to fix in a wide range of member thicknesses. The X1 plug is made with high quality nylon.

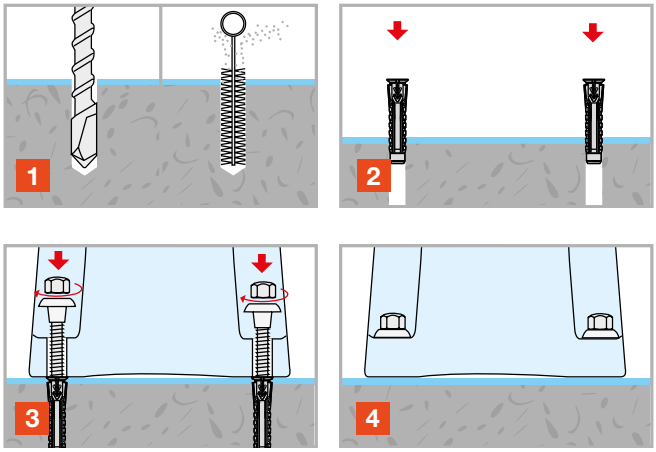
Benefits:
- Good in all supports

Applications:
- Vertical WC and bidet fixings

Material:
- Nylon plug
- Nickel plated brass screw
- White cover cap
- Metalized cover cap

Suitable for:
- Concrete

Installation:



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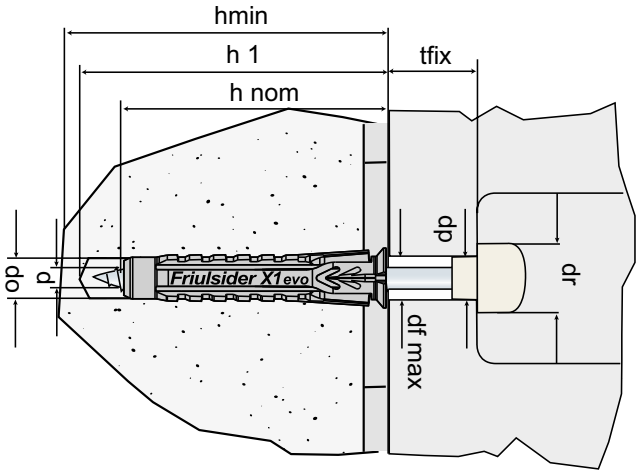
Sanitary Fixings

FVEC with Rounded Countersunk Head

Item code	Dimensions [mm]									Qty per bag	Qty per outer box
	Type [dxL$_v$]	Fixture thickness [t_{fix}]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Minimum support thickness [h_{min}]	Bush diameter [d_p]	Cover cap diameter [d_c]	Max. hole diameter [d_f max]		
61581G060700C	Ø6X70	20	8	50	40	80	7,5	15	10	2	100

FVEC with Hex-Head

Item code	Dimensions [mm]									Qty per bag	Qty per outer box
	Type [dxL$_v$]	Fixture thickness [t_{fix}]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Minimum support thickness [h_{min}]	Bush diameter [d_p]	Cover cap diameter [d_c]	Max. hole diameter [d_f max]		
61582G060700C	Ø6X70	20	8	50	40	80	7,5	15	10	2	100
61582G060800C	Ø6X80	30	8	50	40	80	7,5	15	10	2	100



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FLB Washbasin and bidet **WALL FIXING**

The FLB wall fixing is easy to install and makes it possible to fix in a wide range of member thicknesses. The plug and nut are made with high quality nylon (PA6). Steel parts are made with high thickness zinc plating (>5µm)

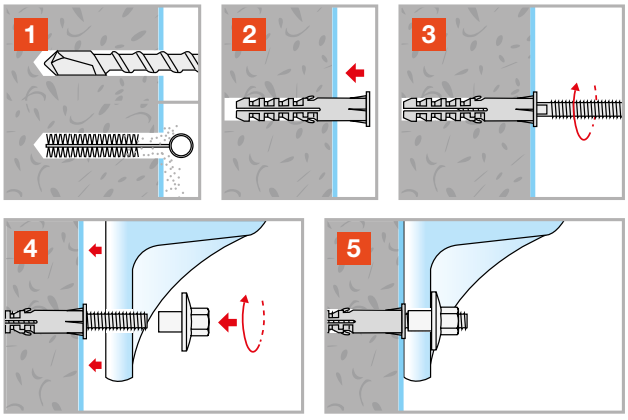
Benefits:
- The nylon bush prevents contact between the metal stud screw and the sanitaryware preventing pressure which could otherwise break or spoil the surface.

Applications:
- Washbasins
- Sanitary items

Material:
- Plug: nylon
- Bush: nylon
- Nut: white zinc plated
- Screw: white zinc plated

Suitable for:
- Non-cracked concrete
- Honeycomb brick
- Aerated concrete
- Solid stone
- Solid brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)

Installation:



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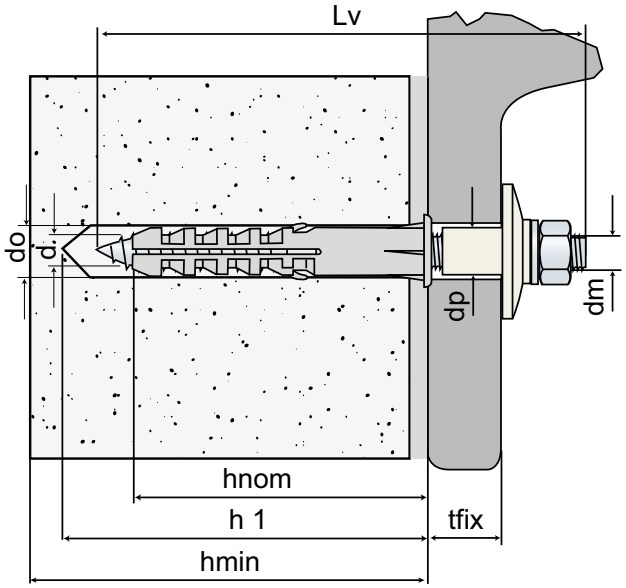
Sanitary Fixings

FLB

Item code	Dimensions [mm]								Wrench	Qty per bag	Qty per outer box
	Type [d_mxL_v]	Fixture thickness [t_{fix}]	Hole diameter [d_o]	Minimum hole depth [h_1]	Nominal embedment depth [h_{nom}]	Minimum support thickness [h_{min}]	Screw diameter [d]	Bush diameter [d_p]			
61407B081100C	M8X110	30	10	70	60	100	8	11,5	13	2	25
61407B101000C	M10X100	20	12	70	60	100	10	13,6	17	2	25
61407B101200C	M10X120	40	12	70	60	100	10	13,6	17	2	25
61407B101400C	*M10X140	40	14	90	80	120	10	13,6	17	2	25

**) Plug 14x80 with greater nylon thickness.*



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TAN
SELFDRILLING Nylon **PLUG** for Plasterboard

The TAN nylon plug is designed for fastening in plasterboard. The dowel is screwed into single and double planked board elements with a positive fit and flush with the surface. The fastening elements to be connected can be mounted with wood, -/ sheet metal / chipboard - screws from Ø3.0 mm to Ø4.5 mm.

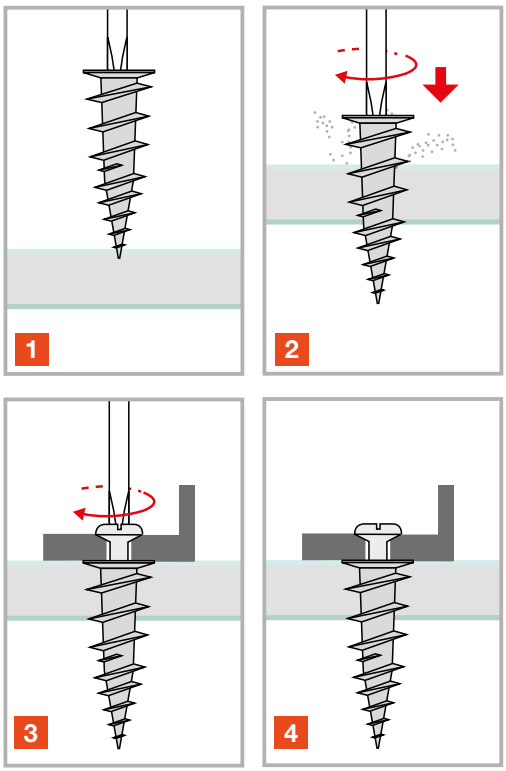
Benefits:
- No pilot hole required
- Also suitable for double plasterboard panels

Applications:
- Wooden battens
- Curtain track
- Metal profiles

Material:
- Nylon

Suitable for:
- Plasterboard

Installation:



Supplied in dual-branded packaging

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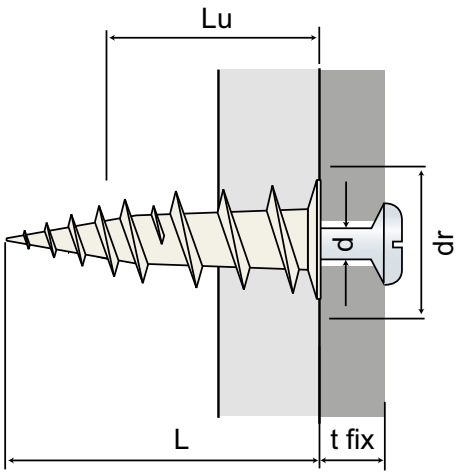
Plasterboard Fixings

TAN

Item code	Dimensions [mm]					Qty per box	Qty per outer box
	Type [ØxL]	Min. screw diameter [d]	Max. screw diameter [d]	Washer diameter [d_r]	Min. thread engagement [L_u]		
6550501503500	Ø15X35	3	4,5	14	22	100	1000



C-F-EU-2024 ©2024 SIMPSON STRONG-TIE COMPANY INC.

TRZ
SELFDRILLING Zamak **PLUG** for Plasterboard

The TRZ zamak plug is designed for fastening in plasterboard, fibreboard and aerated concrete. The dowel is screwed into single board elements with a positive fit and flush with the surface. The fastening elements to be connected can be mounted with wood, -/ sheet metal / chipboard - screws of 4,0 mm diameter.

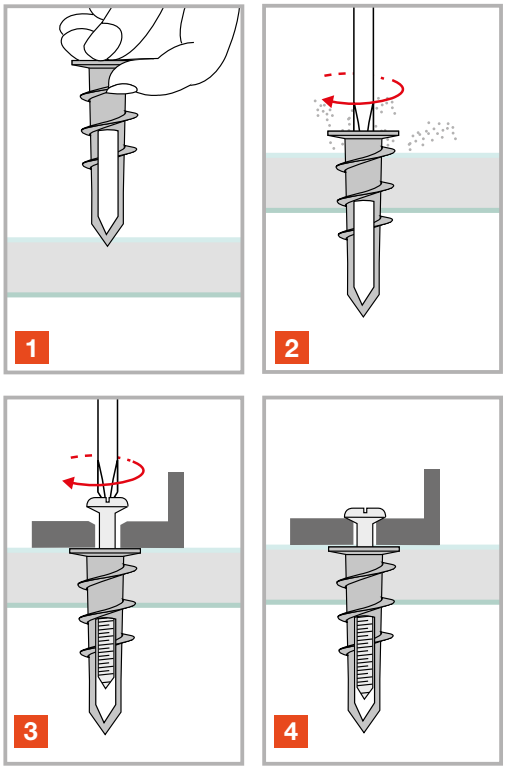
Benefits:
- No pilot hole required
- The fixing is set with a screwdriver

Applications:
- Wooden battens
- Curtain track
- Metal profiles

Material:
- Plug: zamak
- Screw: white zinc plated steel

Suitable for:
- Aerated concrete
- Plasterboard
- Panels and sheets (partially suitable)

Installation:



Installation temperature: ≥ +5°C
Temperature range: ≥ -40°C / ≤ +40°C (max. short-term temperature +80°C)

SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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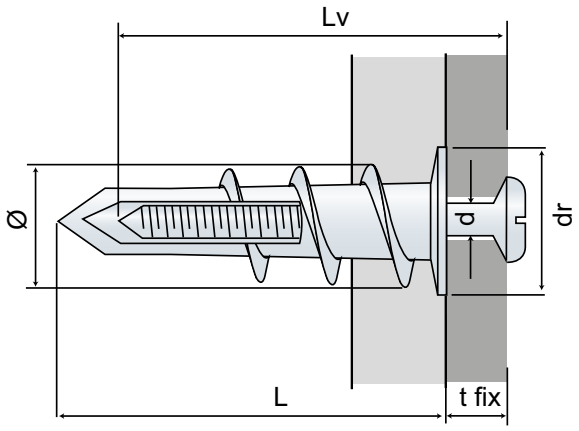
Plasterboard Fixings

TRZ Pozidrive n°2 recess

Item code	Dimensions [mm]							Qty per box	Qty per outer box
	Plug diameter x length	Fixture thickness [t_{fix}]	Nominal embedment depth*) [h_{nom}]	Min. support thickness*) [h_{min}]	Screw diameter [d]	Screw lenght [L_v]	Washer diameter [d_r]		
7500601303000	13X30	10	30	60	4	35	14	100	2000

*) *Values refer to installation on compact base materials such as aerated concrete.*



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Plasterboard Anchors

TMC **METALLIC ANCHOR** for Plasterboard

The TMC metallic anchor in the versions Ø8, Ø10 and Ø12 mm is designed for fixings on plasterboard and anchoring bases with cavities. The anchor is placed in push-through assembly with the TMC setting tool, tightened and braced against the building material. By means of the pre-mounted metric screws, attachments can then be connected and also removed again in a force-locking manner.

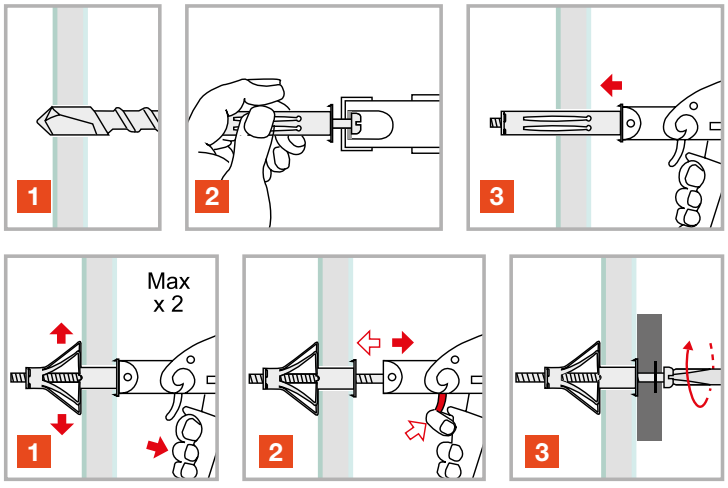
Benefits:
- Wide washer to cover possible hole imperfections
- The setting tool prevents overs stressing the base material during installation.

Applications:
- Electrical components
- Radiator brackets
- Pipe clips

Material:
- Steel
- White zinc plated

Suitable for:
- Cell like clay brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Plasterboard
- Panels and sheets

Installation:



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SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

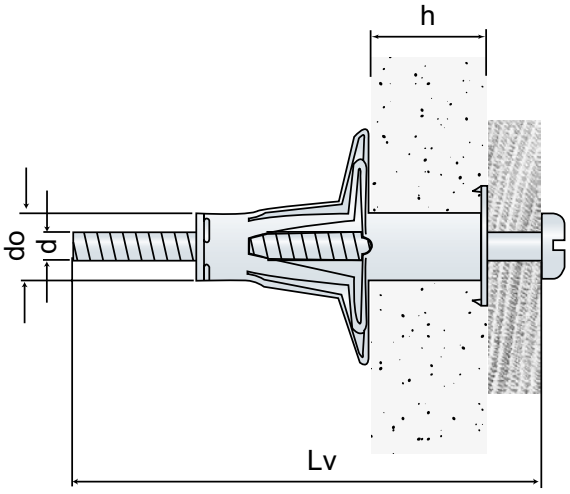
Plasterboard Anchors

TMC

Item code	Dimensions [mm]					Qty per box	Qty per outer box
	Screw Dimensions [dxL$_v$]	Hole diameter [d$_o$]	Min. wall thickness [h$_{min}$]	Max. wall thickness [h$_{max}$]	Anchor length [L]		
7500100403800	M4X41	8	4	9	33	100	2000
7500100404500	M4X47	8	9	16	39	100	2000
7500100504500	M5X43	10	5	13	37	50	1000
7500100505800	M5X60	10	5	18	53	50	1000
7500100507100	M5X74	10	18	32	65	50	1000
7500100604500	M6X45	12	5	12	37	50	1000
7500100605800	M6X60	12	5	18	53	50	1000
7500100607100	M6X74	12	18	32	66	50	1000

TMC Tool

Item code	Model No.	
4990100000100	TMC-MTZ	1



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ISOX **INSULATION PLUGS**

The ISOX insulation plugs are designed for fastening compression-resistant insulation boards to concrete and masonry surfaces (ETICS system). ISOX-N and ISOX-S are hammer-in fixings and ISOX-W are screw-in fixings. All are supplied with polypropylene cover caps with colors indicating the different types.

Benefits ISOX-N:
- No thermal conductivity
- Optimised design for smooth and progressive plug expansion
- Certified for all classes of building materials

Benefits ISOX-S:
- Excellent shear resistance, suitable for fixing heavy insulating panels
- High fixing thicknesses
- Co-injected nylon increased head for thermal bridge reduction
- Steel nail with rolled tip for grip and wide but controlled expansion

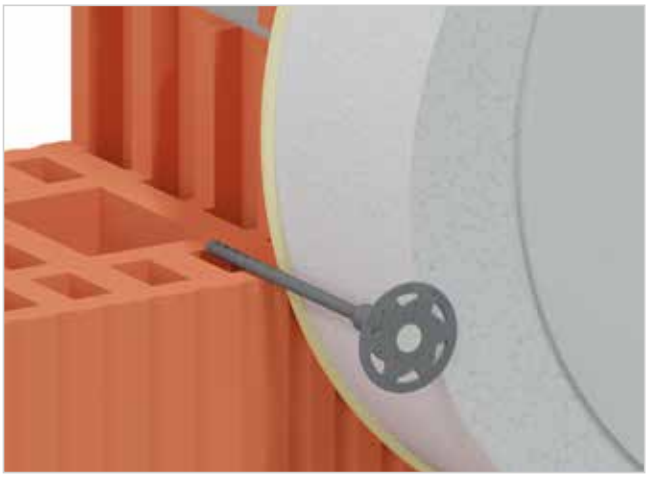
Benefits ISOX-W:
- High pull-out resistance, in all conditions
- Progressive screwing and tightening installation, preventing damage to the insulating panels
- Safe fixing on all types of walls, new and old (renovations)
- Safe fixing on overlaid ETICS (renovations)
- Polyethylene cover cap to reduce thermal transmission
- Special screw with increased minor diameter for a safe and durable fixing
- Direct and sturdy connection between insert and steel screw head

Applications:
- Insulation fixings

Material:
- Plug: polypropylene
- Fastener:
  - » ISOX-N: Nylon nail reinforced with glass fibre
  - » ISOX-S: Preassembled steel nail with polypropylene head
  - » ISOX-W: Preassembled steel screw - T25 recess

Suitable for:
- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Lightweight aggregate concrete
- Autoclaved aerated concrete

ISOX-N ISOX-S ISOX-W



CE ETA 21/1106

SIMPSON Strong-Tie FRÜLSIDER
Supplied in dual-branded packaging

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Insulation Plugs

ETA 21/1106

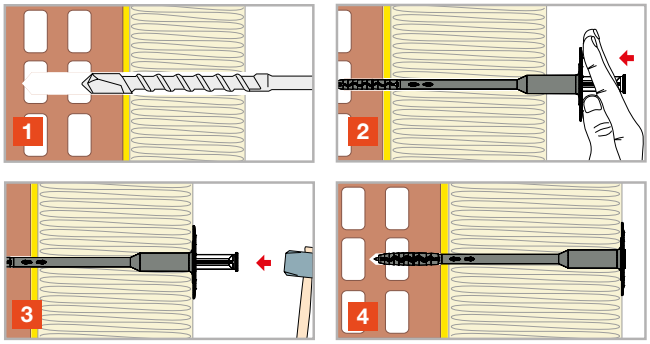
ISOX-N

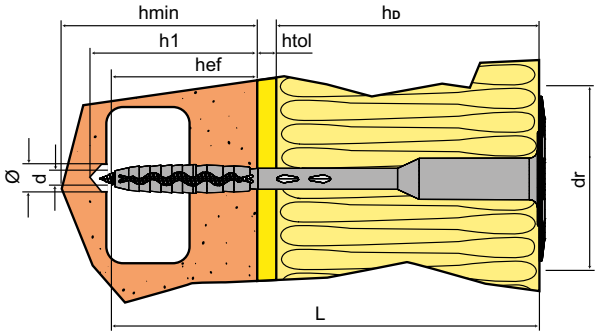
Item code	Dimensions [mm]											Qty per box
	Length [L]	Hole[1] [Ø]	Use category[2] ABC				Use category[2] DE				d_r	
			h_D	h_1	h_{ef}	h_{min}	h_D	h_1	h_{ef}	h_{min}		
ISX0000810000	100	8	60	40	30	100	40	60	50	100	60	100
ISX0000812000	120	8	80				60					100
ISX0000814000	140	8	100				80					100
ISX0000816000	160	8	120				100					100
ISX0000818000	180	8	140				120					100
ISX0000820000	200	8	160				140					100
ISX0000822000	220	8	180				160					100

[1] In the case of hollow base materials avoid drilling with rotary percussion.
[2] Insulation panel thickness taking into account glue thickness ~ 10 mm.
In the case of RENOVATIONS, the old plaster must also be taken into account (reduce thickness ~ 20 mm)

A: Normal weight concrete
B: Solid masonry
C: Hollow or perforated masonry
D: Lightweight concrete block
E: Autoclaved aerated concrete

Installation ISOX-N / ISOX-S:





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Insulation Plugs

ETA 21/1106

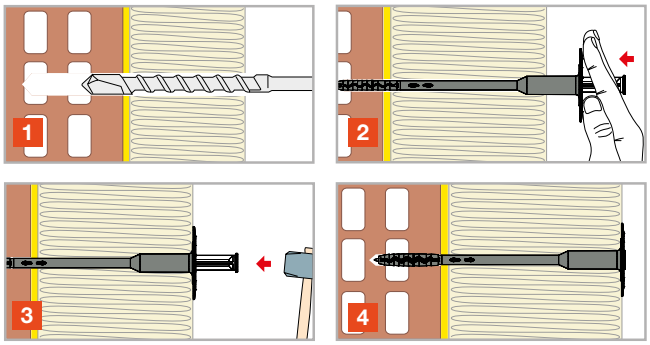
ISOX-S

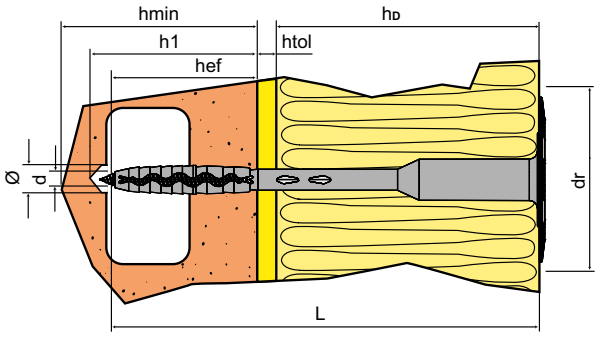
Item code	Dimensions [mm]										Qty per box
	Length [L]	Hole[1] [Ø]	Use category[2] ABC				Use category[2] DE				d_r	
			h_D	h_1	h_{ef}	h_{min}	h_D	h_1	h_{ef}	h_{min}		
ISX0100810000	100	8	60	40	30	100	40	60	50	100	60	100
ISX0100812000	120	8	80				60					100
ISX0100814000	140	8	100				80					100
ISX0100816000	160	8	120				100					100
ISX0100818000	180	8	140				120					100
ISX0100820000	200	8	160				140					100
ISX0100822000	220	8	180				160					100
ISX0100824000	240	8	200				180					100
ISX0100826000	260	8	220				200					100
ISX0100828000	280	8	240				220					100
ISX0100830000	300	8	260				240					100

[1] In the case of hollow base materials avoid drilling with rotary percussion.
[2] Insulation panel thickness taking into account glue thickness ~ 10 mm.
In the case of RENOVATIONS, the old plaster must also be taken into account (reduce thickness ~ 20 mm)

A: Normal weight concrete
B: Solid masonry
C: Hollow or perforated masonry
D: Lightweight aggregate concrete with open structure
E: Autoclaved aerated concrete

Installation ISOX-N / ISOX-S:





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Insulation Plugs

ETA 21/1106

ISOX-W

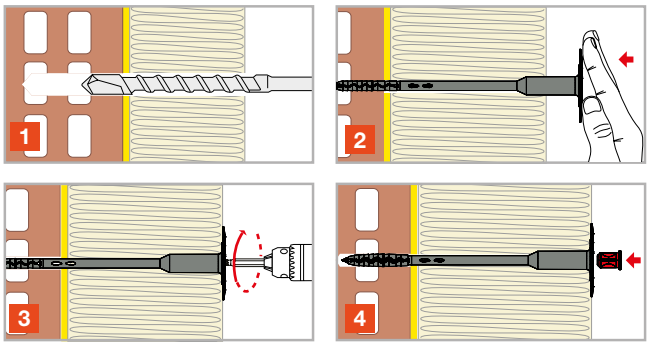
Item code	Dimensions [mm]											Qty per box
	Length [L]	Hole[1] [Ø]	Use category[2] ABC				Use category[2] DE				d_r	
			h_D	h_1	h_{ef}	h_{min}	h_D	h_1	h_{ef}	h_{min}		
ISX0200810000	100	8	60	40	30	100	40	60	50	100	60	100
ISX0200812000	120	8	80				60					100
ISX0200814000	140	8	100				80					100
ISX0200816000	160	8	120				100					100
ISX0200818000	180	8	140				120					100
ISX0200820000	200	8	160				140					100
ISX0200822000	220	8	180				160					100
ISX0200824000	240	8	200				180					100
ISX0200826000	260	8	220				200					100
ISX0200828000	280	8	240				220					100
ISX0200830000	300	8	260				240					100

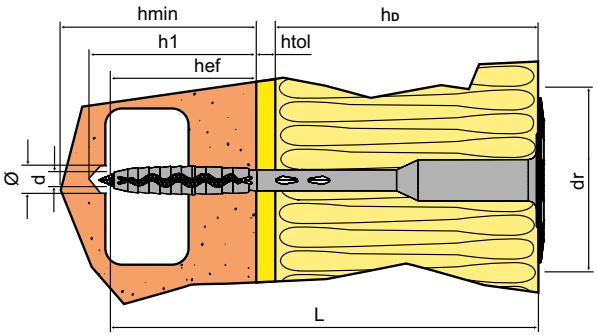
[1] In the case of hollow base materials avoid drilling with rotary percussion.
[2] Insulation panel thickness taking into account glue thickness ~ 10 mm.
In the case of RENOVATIONS, the old plaster must also be taken into account (reduce thickness ~ 20 mm)

A: Normal weight concrete
B: Solid masonry
C: Hollow or perforated masonry
D: Lightweight aggregate concrete with open structure
E: Autoclaved aerated concrete

Note: Each box contains a screwdriver bit

Installation ISOX-W:





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Precision engineered to meet any demand.

Screws
and Accessories

Connector Screws
CSA, CSA-Z, CSA-S CONNECTOR Screw 148
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SSH Hexagon Head CONNECTOR Screw 150
SSF Flat Round Head CONNECTOR Screw 152
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BKF LAMINATE Screw 192
GKS Steel Bracket to CONCRETE or WOOD Screw 193
DSZ Adjustable DOOR FRAME Screw 193
BW Wood to STEEL Drill Wing Screw 194
FS/FSA2 Wafer Head STEEL or WOOD Screw 195
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FSB Wafer Head STEEL Screw, Drill Point 197
FSBZN Wafer Head STEEL or WOOD Screw, Drill Point 198
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TT/TTFF/TTF WOOD FIBRE to Wood or Steel Screw 209
TTFK Chipboard Screw 211

Parts and Accessories 212

Connector Screws

Solid-Drive™ CSA CONNECTOR Screw

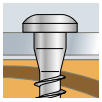
Simpson Strong-Tie Connectors to Wood

The Solid-Drive™ CSA connector screw is developed for installing of Simpson Strong-Tie® connectors to wood, in order to obtain the published load bearing capacities.

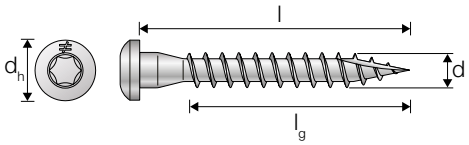
The conical shape under the head secures full contact to the connector, which increases the transfer of force. A fixed connection with larger cross-bearing capacity than for standard screws is obtained. The 6 lobe recess helps to fix the screw during insertion.

Features:

- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under the head for maximum fit in metal holes
- Type 17 cut point reduces the risk of wood splitting during the installation
- Deep 6-lobe recess provides improved control and greater bit life



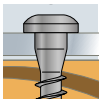
Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



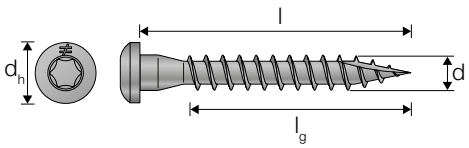
CSA Electro Galvanised

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
CSA4.0X30	4.0	30	7.3	24	T-15	250
CSA5.0X25	5.0	25	8.3	19	T-20	250
CSA5.0X35-R	5.0	35	8.3	29	T-20	25
CSA5.0X35*)	5.0	35	8.3	29	T-20	250
CSA5.0X35-HV	5.0	35	8.3	29	T-20	1500
CSA5.0X40-R	5.0	40	8.3	34	T-20	25
CSA5.0X40*)	5.0	40	8.3	34	T-20	250
CSA5.0X40-HV	5.0	40	8.3	34	T-20	1500
CSA5.0X50*)	5.0	50	8.3	34	T-20	250
CSA5.0X80	5.0	80	8.3	44	T-20	200

*) *Available as collated screws for the Quik Drive® system, see page 182.*



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CSA-Z Impreg®+ Coating

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
CSA5.0X35Z*)	5.0	35	8.3	29	T-20	250
CSA5.0X35Z-HV	5.0	35	8.3	29	T-20	1500
CSA5.0X40Z *)	5.0	40	8.3	34	T-20	250
CSA5.0X40Z-HV	5.0	40	8.3	34	T-20	1500
CSA5.0X50Z	5.0	50	8.3	44	T-20	250

*) *Available as collated screws for the Quik Drive® system, see page 182.*

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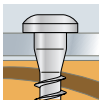
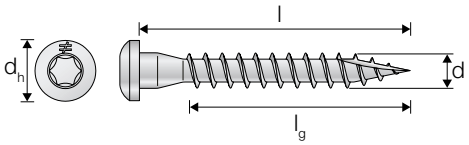
Connector Screws



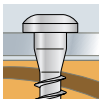
Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



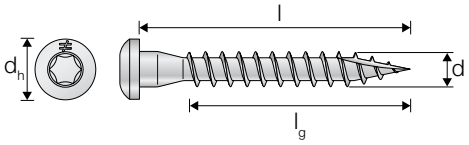
CSA-S Stainless Steel A4

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
CSA5.0X25S*)	5.0	25	8.3	19	T-20	250
CSA5.0X35S*)	5.0	35	8.3	29	T-20	250
CSA5.0X40S*)	5.0	40	8.3	34	T-20	250

*) *Available as collated screws for the Quik Drive® system, see page 182.*



Stainless Steel HCR
CX acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CSA-HCR High-Corrosion Resistance Steel

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
CSA5.0X40HCR	5.0	40	8.3	34	T-20	100

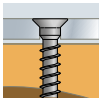
For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

Solid·Drive™ CSFT Full Thread **CONNECTOR** Screw

Simpson Strong-Tie CCS Connectors to Wood

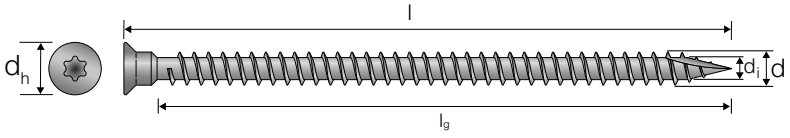
CSFT connector screw is designed for steel to wood connections and load rated together with specific Simpson Strong-Tie connectors. The new head shape ensure a good fit in the connector and the full thread increase the load bearing capacity. The flat head makes it possible to get a flush surface after installation.

Features:
- CE Marked (EN14592)
- Fully threaded
- 6 lobe drive
- Special head shape designed for SST connectors



Zinc Flake Coating
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



CSFT Zinc Flake Coating

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
CSFT5.0X70	77308	5.0	70	8.5	Full Thread	T-20	100
CSFT6.0X85	77309	6.0	85	9.5	Full Thread	T-25	100
CSFT6.0X110	77310	6.0	110	9.5	Full Thread	T-25	100

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Solid-Drive™ SSH Hex-Head **CONNECTOR** Screw

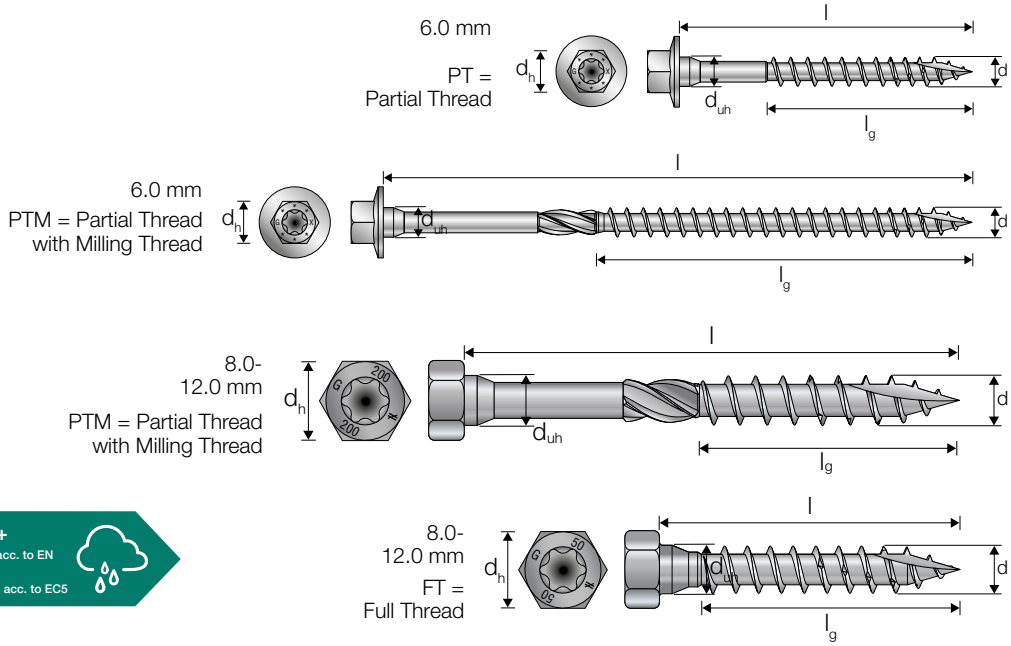
Simpson Strong-Tie Connectors to Wood

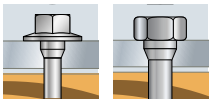
The Solid-Drive® SSH hex-head screw is a structural fastener designed for cross-laminated timber (CLT), glulam construction and general metal to wood applications.

These partially-threaded, sturdy 6.0, 8.0, 10.0 and 12.0 mm diameter structural fasteners are designed to provide excellent connection strength, especially when connecting steel plate or angle connectors to wood. The unique head combining hex and torx allows for the convenience of driving with either a hex-driver bit or 6-lobe driver bit. The SSH screws are Impreg+ coated for increased corrosion protection. They have a robust knurled shank and type-17 cut-point for fast starts and low-torque driving.

Features:

- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- Conical shape under the head for maximum fit in metal holes
- Serrated coarse thread and milling thread for low installation torque and excellent pull-out values
- Type 17 cut point reduces the risk of wood splitting during the installation
- Hex-head with 6-lobe recess allows for the convenience of driving with either a hex-driver bit or 6-lobe driver bit
- Head stamp includes length in mm for inspection





Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

SSH Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit		
		d / d_{uh}	l	d_h	l_g				
NEW	SSH6.0X40	77183	6.0	40	10	23	PT	T-30 / SW-10	8	-
	SSH6.0X40	75128	6.0	40	10	23	PT	T-30 / SW-10	-	100
NEW	SSH6.0X50	77184	6.0	50	10	33	PT	T-30 / SW-10	8	-
	SSH6.0X50	75129	6.0	50	10	33	PT	T-30 / SW-10		100
	SSH6.0X60	75130	6.0	60	10	42	PT	T-30 / SW-10	-	100
	SSH6.0X75	75131	6.0	75	10	42	PTM	T-30 / SW-10	-	100
	SSH6.0X90	75132	6.0	90	10	42	PTM	T-30 / SW-10	-	100
	SSH6.0X120	75133	6.0	120	10	75	PTM	T-30 / SW-10	-	100

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Connector Screws

SSH Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit		
		d / d_{uh}	l	d_h	l_g				
NEW	SSH8.0X40	77185	8.0	40	13	Full Thread	FT	T-40 / SW-13	8	-
	SSH8.0X40	75134	8.0	40	13	Full thread	FT	T-40 / SW-13	-	50
NEW	SSH8.0X50	77186	8.0	50	13	Full Thread	FT	T-40 / SW-13	8	-
	SSH8.0X50	75135	8.0	50	13	Full thread	FT	T-40 / SW-13	-	50
NEW	SSH8.0X60	77187	8.0	60	13	42	PT	T-40 / SW-13	8	-
	SSH8.0X60	75136	8.0	60	13	42	PT	T-40 / SW-13	-	50
NEW	SSH8.0X80	77188	8.0	80	13	42	PTM	T-40 / SW-13	8	-
	SSH8.0X80	75137	8.0	80	13	42	PTM	T-40 / SW-13	-	50
NEW	SSH8.0X90	77189	8.0	90	13	42	PTM	T-40 / SW-13	8	-
	SSH8.0X90	75138	8.0	90	13	42	PTM	T-40 / SW-13	-	50
NEW	SSH8.0X100	77190	8.0	100	13	55	PTM	T-40 / SW-13	8	-
	SSH8.0X100	75139	8.0	100	13	55	PTM	T-40 / SW-13	-	50
	SSH8.0X120	75140	8.0	120	13	85	PTM	T-40 / SW-13	-	50
	SSH8.0X140	75141	8.0	140	13	85	PTM	T-40 / SW-13	-	50
	SSH8.0X160	75142	8.0	160	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X180	75143	8.0	180	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X200	75144	8.0	200	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X240	75145	8.0	240	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X260	75146	8.0	260	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X280	75147	8.0	280	13	110	PTM	T-40 / SW-13	-	50
	SSH8.0X300	75148	8.0	300	13	110	PTM	T-40 / SW-13	-	50
NEW	SSH10.0X40	77191	10.0	40	15	Full Thread	FT	T-40 / SW-15	8	-
	SSH10.0X40	75149	10.0	40	15	Full thread	FT	T-40 / SW-15	-	50
NEW	SSH10.0X50	77192	10.0	50	15	Full Thread	FT	T-40 / SW-15	4	-
	SSH10.0X50	75150	10.0	50	15	Full thread	FT	T-40 / SW-15	-	50
NEW	SSH10.0X60	77193	10.0	60	15	42	PT	T-40 / SW-15	4	-
	SSH10.0X60	75151	10.0	60	15	42	PT	T-40 / SW-15	-	50
NEW	SSH10.0X80	77194	10.0	80	15	42	PTM	T-40 / SW-15	4	-
	SSH10.0X80	75152	10.0	80	15	42	PTM	T-40 / SW-15	-	50
NEW	SSH10.0X90	77195	10.0	90	15	42	PTM	T-40 / SW-15	4	-
	SSH10.0X90	75153	10.0	90	15	42	PTM	T-40 / SW-15	-	50
NEW	SSH10.0X100	77197	10.0	100	15	55	PTM	T-40 / SW-15	4	-
	SSH10.0X100	75154	10.0	100	15	55	PTM	T-40 / SW-15	-	50
NEW	SSH10.0X120	77198	10.0	120	15	85	PTM	T-40 / SW-15	4	-
	SSH10.0X120	75155	10.0	120	15	85	PTM	T-40 / SW-15	-	50
	SSH10.0X140	75156	10.0	140	15	85	PTM	T-40 / SW-15	-	50
	SSH10.0X160	75157	10.0	160	15	110	PTM	T-40 / SW-15	-	50
	SSH10.0X180	75158	10.0	180	15	110	PTM	T-40 / SW-15	-	50
	SSH10.0X200	75159	10.0	200	15	110	PTM	T-40 / SW-15	-	50
	SSH10.0X240	75160	10.0	240	15	125	PTM	T-40 / SW-15	-	50
	SSH10.0X280	75161	10.0	280	15	125	PTM	T-40 / SW-15	-	50
	SSH12.0X60	75162	12.0	60	17	Full thread	FT	T-40 / SW-17	-	25
	SSH12.0X80	75163	12.0	80	17	42	PTM	T-40 / SW-17	-	25
	SSH12.0X90	75164	12.0	90	17	42	PTM	T-40 / SW-17	-	25
	SSH12.0X100	75165	12.0	100	17	55	PTM	T-40 / SW-17	-	25
	SSH12.0X120	75166	12.0	120	17	85	PTM	T-40 / SW-17	-	25
	SSH12.0X140	75167	12.0	140	17	85	PTM	T-40 / SW-17	-	25
	SSH12.0X160	75168	12.0	160	17	110	PTM	T-40 / SW-17	-	25
	SSH12.0X180	75169	12.0	180	17	110	PTM	T-40 / SW-17	-	25
	SSH12.0X200	75170	12.0	200	17	110	PTM	T-40 / SW-17	-	25

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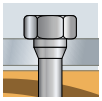
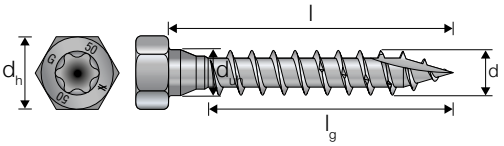


Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

NEW



SSH Stainless Steel A4

Model No.	Item code	Dimensions [mm] [d_h]				Thread	Bit	
		d / d_{uh}	l	d_h	l_g			
SSH10.0X40A4	77282	10.0	40	15	Full thread	FT	T-40 / SW-15	20

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

Solid·Drive™ SSF Flat Round Head **CONNECTOR** Screw

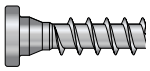
Simpson Strong-Tie Connectors to Wood

SSF is used together with connectors where high load capability is required. The conical shape under the head makes a perfect fitting to the connector hole, creating a firm assembly. The type-17 cut-point prevents cracking and the milling thread and serrated thread reduce the insertion torque. SSF has a round flat head with 6 lobe drive, creating an aesthetically improved end-result.

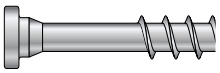
These partially-threaded, sturdy 8.0 and 10.0 mm diameter structural fasteners are designed to provide excellent connection strength, especially when connecting steel plates or angle connectors to wood. The SSF screws are Impreg+ coated for increased corrosion protection.

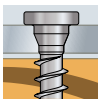
Features:
- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- Conical shape under the head for maximum fit in metal holes
- Serrated coarse thread and milling thread for low installation torque and excellent pull-out values
- Type 17 cut point reduces the risk of wood splitting during the installation
- Deep 6-lobe recess provides improved control and greater bit life
- Head stamp includes length in mm for inspection

FT = Full Thread



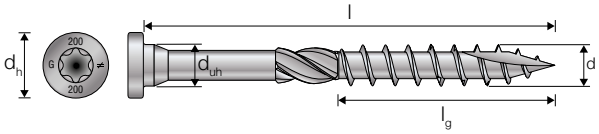
PT = Partial Thread





Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

PTM = Partial Thread with Milling Thread



SSF Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d / d_{uh}	l	d_h	l_g			
SSF8.0X40	75185	8.0	40	13	Full thread	FT	T-40	50
SSF8.0X60	75186	8.0	60	13	42	PT	T-40	50
SSF8.0X80	75187	8.0	80	13	42	PTM	T-40	50
SSF10.0X40	75188	10.0	40	15	Full thread	FT	T-40	50
SSF10.0X60	75189	10.0	60	15	42	PT	T-40	50
SSF10.0X80	75190	10.0	80	15	42	PTM	T-40	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Design Series
CSA-PB/SSF-PB/SSH-PB **CONNECTOR** Screws

Simpson Strong-Tie Powder Coated Design Series Connectors to Wood

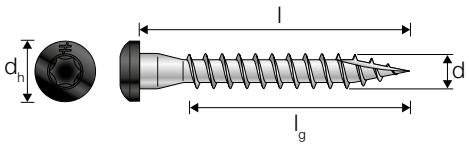
CSA-PB/SSF-PB/SSH-PB screws with black painted heads are suitable for installing Simpson Strong-Tie's range of black powder-coated connectors to wood.

Features:

- ETA approved (ETA-13/0796/ETA-21/0670)
- UKTA approved (UKTA-22/6512/UKTA-22/6514)
- Conical shape under the head for maximum fit in connectors
- Type 17 cut point reduces the risk of timber splitting during installation
- No pre-drilling required

RAL 9005

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



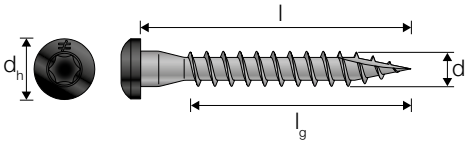
CSA-PB Electro Galvanised + Painted Head RAL 9005

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
CSA5.0X35PB-BL	5.0	35	8.3	29	T-20	100

RAL 9005

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



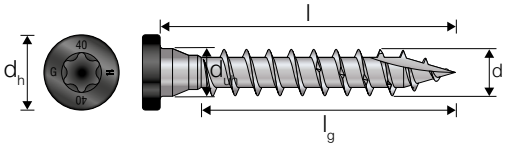
CSA-ZPB Impreg®+ Coating + Painted Head RAL 9005

Model No.	Dimensions [mm]				Bit		
	d	l	d_h	l_g			
CSA5.0X35ZPB-R	5.0	35	8.3	29	T-20	20	-
CSA5.0X35ZPB	5.0	35	8.3	29	T-20	-	100

RAL 9005

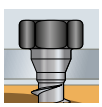
Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



SSF Impreg®+ Coating + Painted Head RAL 9005

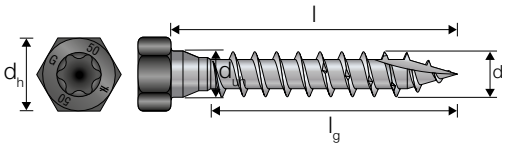
Model No.	Dimensions [mm]				Thread	Bit		
	d / d_{uh}	l	d_h	l_g				
SSF8.0X40PB-R	8.0	40	13	Full thread	FT	T-40	8	-
SSF8.0X40PB	8.0	40	13	Full thread	FT	T-40	-	50



RAL 9005

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



SSH Impreg®+ Coating + Painted Head RAL 9005

Model No.	Dimensions [mm]				Thread	Bit	
	d / d_{uh}	l	d_h	l_g			
SSH8.0X40PB	8.0	40	13	Full thread	FT	T-40 / SW-13	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Solid·Drive™ SDD Self-Drilling **DOWELS**

Glulam and CLT Applications with Concealed Steel Connectors

The CE marked SDD self-drilling dowel offer an efficient fastening method for glulam and CLT in combination with aluminium connectors.

The double threaded dowel has a cylinder head with an T-40 6-lobe drive and the unique point design reduces the splitting of the timber. The groove on the lower thread allows the wood chips to be removed during installation.

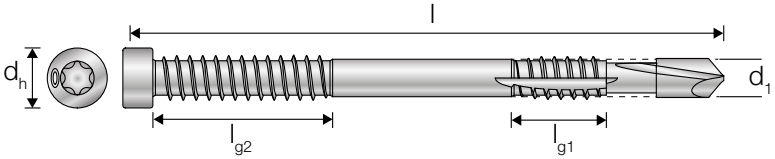
Compared to traditional fastening of glulam beams to concealed beam hangers made with standard dowels, the SDD offers a significant improvement of efficiency, as no pre-drilling is required for this method.

Features:

- Innovative arrow-drill point for efficient driving in wood and aluminium
- Chip-removing groove increases the drive-in effeciency
- Cylinder head sinks into the wood allowing for hidden assemblies
- Heavy-duty thread and shank provides strength and stability
- Deep T-40 6-lobe drive provides improved control and greater bit life

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



SDD Electro Galvanised

Model No.	Item code	Dimensions [mm]						Bit	
		d	l	d_h	d_1	L_{g1}	L_{g2}		
SDD7.5X93	78119	7.5	93	12.0	6.9	27	8.5	T-40	50
SDD7.5X113	78120	7.5	113	12.0	6.9	36	12.5	T-40	50
SDD7.5X133	78121	7.5	133	12.0	6.9	36	12.5	T-40	50
SDD7.5X153	78122	7.5	153	12.0	6.9	36	12.5	T-40	50
SDD7.5X173	78123	7.5	173	12.0	6.9	36	12.5	T-40	50

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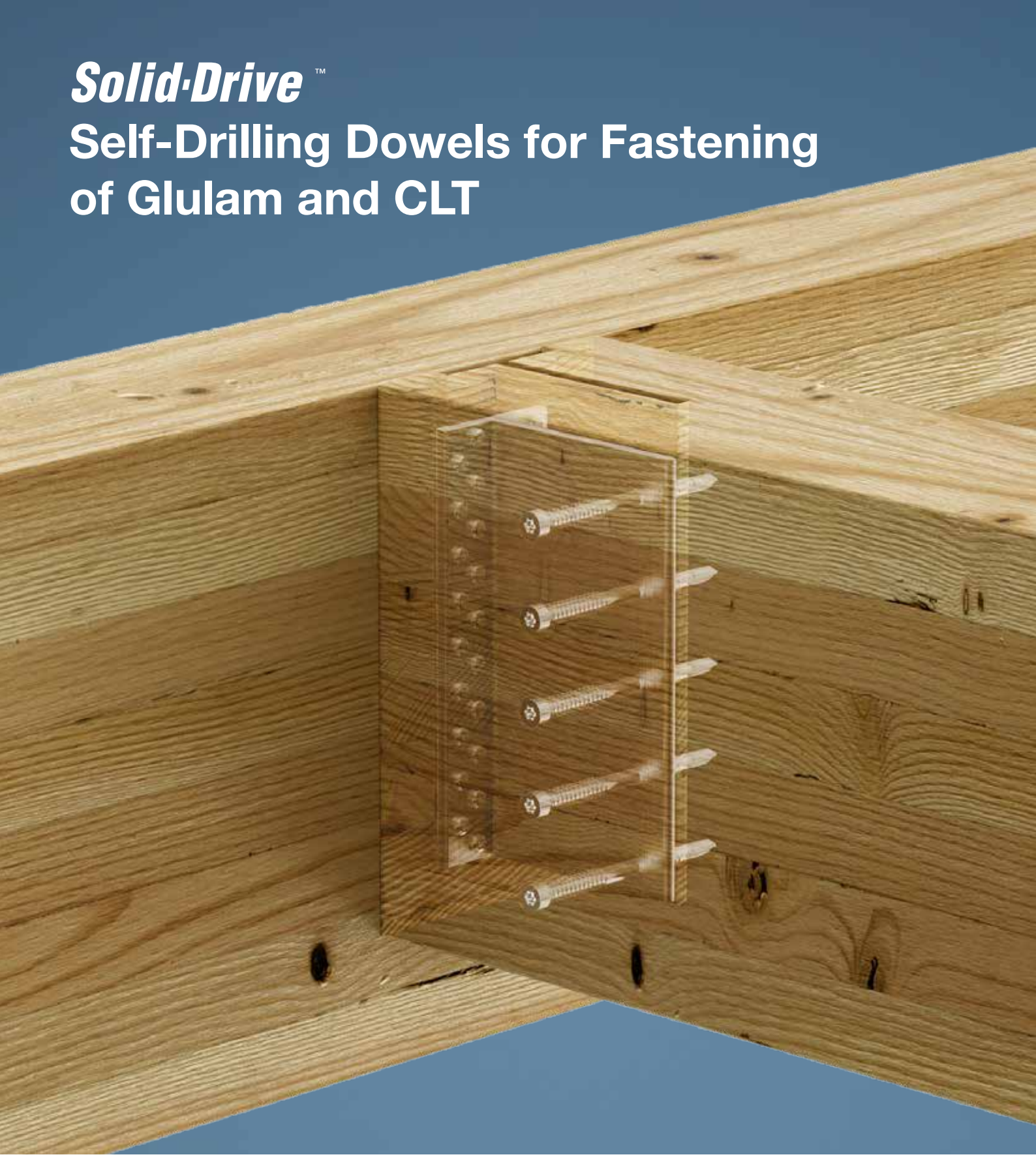
Solid·Drive™
Self-Drilling Dowels for Fastening of Glulam and CLT



Glulam and CLT fastening without pre-drilling

The SDD self-drilling dowels offer a cost-effective method for installing glulam beams and CLT panels with concealed aluminium brackets.

The innovative arrow drill and chip-removing function ensure that the dowels can be easily screwed into the timber and drill through the aluminium creating a strong assembly.

The heavy-duty thread and shank provides strength and stability and the cylinder head sinks into the wood allowing for hidden assemblies.

SIMPSON
Strong-Tie®

Solid·Drive™ SWW/SWWZ Structural Washer Head **WOOD** Screw

Structural Timber to Timber Connections Including Glulam, CLT and General Timber Applications

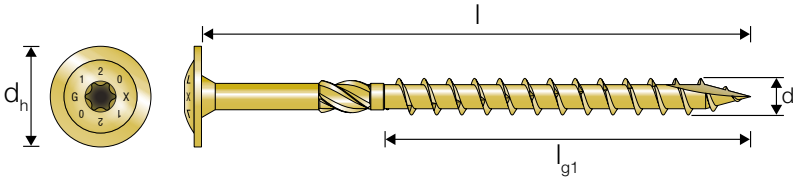
SWW/SWWZ are washer-head structural screws designed for load-bearing wood structures. The SWW/SWWZ screws have a milling thread to allow for smooth driving of the shank. The large washer head gives high head pull-through resistance while allowing the wood members to close up firmly.

These partially-threaded, 6.0, 8.0 and 10.0 mm diameter structural fasteners are designed to pull structural members together with superb holding power and excellent load capacity. The large washer head provides extreme pull-through resistance while allowing the wood members to close up firmly. Predrilling is not typically required. SWW screws are yellow zinc plated for standard interior and dry applications only. SWWZ screws are Impreg+ coated for increased corrosion protection.

Features:

- ETA approved (ETA-21/0670) / UKTA approved (UKTA-22/6514)
- Washer head creates high pull-through resistance
- Type 17 cut point reduces the risk of wood splitting during the installation
- Heavy-duty thread and shank provides strength and stability
- Milling thread reduces the installation torque

Yellow Zinc Plated*
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



SWW Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
SWW6.0X60	75382	6.0	60	14	42	T-30	50
SWW6.0X80	75383	6.0	80	14	50	T-30	50
SWW6.0X100	75384	6.0	100	14	70	T-30	50
SWW6.0X120	75385	6.0	120	14	70	T-30	50
SWW6.0X140	75386	6.0	140	14	70	T-30	50
SWW6.0X160	75387	6.0	160	14	70	T-30	50
SWW6.0X180	75388	6.0	180	14	70	T-30	50
SWW6.0X200	75389	6.0	200	14	70	T-30	50
SWW6.0X220	75390	6.0	220	14	70	T-30	50
SWW6.0X240	75391	6.0	240	14	70	T-30	50
SWW6.0X260	75392	6.0	260	14	70	T-30	50
SWW6.0X280	75393	6.0	280	14	70	T-30	50
SWW6.0X300	75394	6.0	300	14	70	T-30	50
SWW8.0X80	75395	8.0	80	22.2	50	T-40	50
SWW8.0X100	75396	8.0	100	22.2	50	T-40	50
SWW8.0X120	75397	8.0	120	22.2	80	T-40	50
SWW8.0X140	75398	8.0	140	22.2	80	T-40	50
SWW8.0X160	75399	8.0	160	22.2	80	T-40	50
SWW8.0X180	75400	8.0	180	22.2	80	T-40	50
SWW8.0X200	75401	8.0	200	22.2	80	T-40	50
SWW8.0X220	75402	8.0	220	22.2	80	T-40	50
SWW8.0X240	75403	8.0	240	22.2	80	T-40	50
SWW8.0X260	75404	8.0	260	22.2	80	T-40	50
SWW8.0X280	75405	8.0	280	22.2	80	T-40	50
SWW8.0X300	75406	8.0	300	22.2	80	T-40	50
SWW8.0X320	75407	8.0	320	22.2	80	T-40	50

**) During 2024 the coating of SWW screws will change to blue zinc.*

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Structural Wood Screws

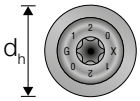
SWW Yellow Zinc Plated

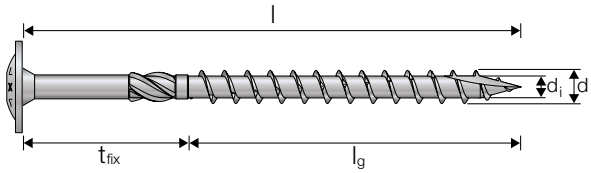
Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
SWW8.0X340	75408	8.0	340	22.2	80	T-40	50
SWW8.0X360	75409	8.0	360	22.2	80	T-40	50
SWW8.0X380	75410	8.0	380	22.2	80	T-40	50
SWW8.0X400	75411	8.0	400	22.2	80	T-40	50
SWW10.0X100	76912	10.0	100	25.9	80	T-40	25
SWW10.0X120	76913	10.0	120	25.9	80	T-40	25
SWW10.0X140	76914	10.0	140	25.9	80	T-40	25
SWW10.0X160	75412	10.0	160	25.9	80	T-40	25
SWW10.0X180	75413	10.0	180	25.9	80	T-40	25
SWW10.0X200	75414	10.0	200	25.9	80	T-40	25
SWW10.0X220	75415	10.0	220	25.9	80	T-40	25
SWW10.0X240	75416	10.0	240	25.9	80	T-40	25
SWW10.0X260	75417	10.0	260	25.9	80	T-40	25
SWW10.0X280	75418	10.0	280	25.9	80	T-40	25
SWW10.0X300	75419	10.0	300	25.9	80	T-40	25
SWW10.0X320	75420	10.0	320	25.9	80	T-40	25
SWW10.0X340	75421	10.0	340	25.9	80	T-40	25
SWW10.0X360	75422	10.0	360	25.9	80	T-40	25
SWW10.0X380	75423	10.0	380	25.9	80	T-40	25
SWW10.0X400	75424	10.0	400	25.9	80	T-40	25

**) During 2024 the coating of SWW screws will change to blue zinc.*

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW





SWWZ Impreg®+

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
SWWZ6.0X80	76352	6.0	80	14	50	T-30	50
SWWZ6.0X90	76452	6.0	90	14	50	T-30	50
SWWZ6.0X100	76453	6.0	100	14	70	T-30	50
SWWZ6.0X120	76454	6.0	120	14	70	T-30	50
SWWZ8.0X80	76455	8.0	80	22.2	50	T-40	50
SWWZ8.0X90	76457	8.0	90	22.2	50	T-40	50
SWWZ8.0X100	76601	8.0	100	22.2	50	T-40	50
SWWZ8.0X120	76603	8.0	120	22.2	80	T-40	50
SWWZ8.0X140	76604	8.0	140	22.2	80	T-40	50
SWWZ8.0X180	76605	8.0	180	22.2	80	T-40	50
SWWZ8.0X200	76606	8.0	200	22.2	80	T-40	50
SWWZ8.0X240	76607	8.0	240	22.2	80	T-40	50
SWWZ8.0X300	76608	8.0	300	22.2	80	T-40	50
SWWZ8.0X340	76609	8.0	340	22.2	80	T-40	50
SWWZ10.0X160	76610	10.0	160	25.9	80	T-40	25
SWWZ10.0X180	76611	10.0	180	25.9	80	T-40	25
SWWZ10.0X200	76612	10.0	200	25.9	80	T-40	25
SWWZ10.0X240	76613	10.0	240	25.9	80	T-40	25

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Structural Wood Screws

Solid·Drive™ SWC Structural Countersunk **WOOD** Screw

Structural Timber to Timber Connections Including Glulam, CLT and General Interior Applications

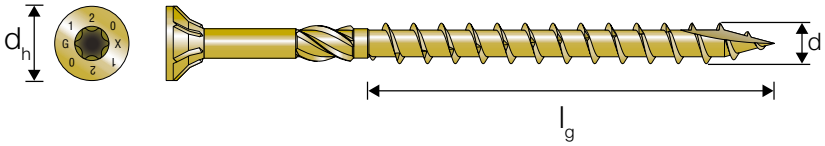
SWC is a countersunk structural screw designed for load-bearing wood structures. The SWC screw has a milling thread to allow for smooth driving of the shank. The countersunk head gives flush fitting while allowing the wood members to close up firmly.

These partially-threaded, 6.0, 8.0 and 10.0 mm diameter structural fasteners are designed to pull structural members together with superb holding power and excellent load capacity. The countersunk head and underhead nibs provide for clean countersinking, flush with the surface. Predrilling is not typically required. For interior and dry applications only.

Features:

- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- Countersunk head with underhead nibs creates a flush finish
- Type 17 cut point reduces the risk of wood splitting during the installation
- Heavy-duty thread and shank provides strength and stability
- Milling thread reduces the installation torque
- Deep 6-lobe recess provides improved control and greater bit life
- Head stamp includes length in mm for inspection

Yellow Zinc Plated*
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



SWC Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
SWC6.0X200	75346	6.0	200	11.8	70	T-30	100
SWC6.0X220	75347	6.0	220	11.8	70	T-30	100
SWC6.0X240	75348	6.0	240	11.8	70	T-30	100
SWC6.0X260	75349	6.0	260	11.8	70	T-30	100
SWC6.0X280	75350	6.0	280	11.8	70	T-30	100
SWC6.0X300	75351	6.0	300	11.8	70	T-30	100
SWC8.0X80	75352	8.0	80	14.6	50	T-40	50
SWC8.0X100	75353	8.0	100	14.6	50	T-40	50
SWC8.0X120	75354	8.0	120	14.6	80	T-40	50
SWC8.0X140	75355	8.0	140	14.6	80	T-40	50
SWC8.0X160	75356	8.0	160	14.6	80	T-40	50
SWC8.0X180	75357	8.0	180	14.6	80	T-40	50
SWC8.0X200	75358	8.0	200	14.6	80	T-40	50
SWC8.0X220	75359	8.0	220	14.6	80	T-40	50
SWC8.0X240	75360	8.0	240	14.6	80	T-40	50
SWC8.0X260	75361	8.0	260	14.6	80	T-40	50
SWC8.0X280	75362	8.0	280	14.6	80	T-40	50
SWC8.0X300	75363	8.0	300	14.6	80	T-40	50
SWC8.0X320	75364	8.0	320	14.6	80	T-40	50
SWC8.0X340	75365	8.0	340	14.6	80	T-40	50
SWC8.0X360	75366	8.0	360	14.6	80	T-40	50
SWC8.0X380	75367	8.0	380	14.6	80	T-40	50
SWC8.0X400	75368	8.0	400	14.6	80	T-40	50

*) *During 2024 the coating of SWC screws will change to blue zinc.*

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Structural Wood Screws

SWC Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
SWC10.0X100	76916	10.0	100	17.8	80	T-40	25
SWC10.0X120	76917	10.0	120	17.8	80	T-40	25
SWC10.0X140	76918	10.0	140	17.8	80	T-40	25
SWC10.0X160	75369	10.0	160	17.8	80	T-40	25
SWC10.0X180	75370	10.0	180	17.8	80	T-40	25
SWC10.0X200	75371	10.0	200	17.8	80	T-40	25
SWC10.0X220	75372	10.0	220	17.8	80	T-40	25
SWC10.0X240	75373	10.0	240	17.8	80	T-40	25
SWC10.0X260	75374	10.0	260	17.8	80	T-40	25
SWC10.0X280	75375	10.0	280	17.8	80	T-40	25
SWC10.0X300	75376	10.0	300	17.8	80	T-40	25
SWC10.0X320	75377	10.0	320	17.8	80	T-40	25
SWC10.0X340	75378	10.0	340	17.8	80	T-40	25
SWC10.0X360	75379	10.0	360	17.8	80	T-40	25
SWC10.0X380	75380	10.0	380	17.8	80	T-40	25
SWC10.0X400	75381	10.0	400	17.8	80	T-40	25

**) During 2024 the coating of SWC screws will change to blue zinc.*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Structural Wood Screws

Solid-Drive™ SWD Structural Double Threaded **WOOD** Screw

Structural Timber to Timber Connections Including Glulam, CLT and General Interior Applications

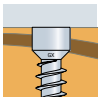
The Solid-Drive® SWD is a double threaded structural screw designed to connect and pull together two wood members.

The small cylinder-head reduces the insertion torque and makes it possible to countersink the screws. The Protec+ coating is a wear resistant coating that can endure the friction of the installation and the exposure of high loads from the structural applications.

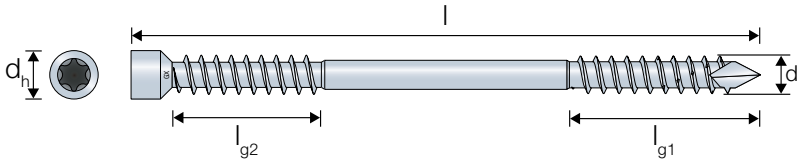
SWD screws are suitable for inclined and angled installations. Use the GSCREW screw guide to ensure that screws are installed with the correct angle into the timber.

Features:

- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- Small cylinder head sinks into the wood allowing for hidden assemblies
- The chisel point allows for skewed installations
- The differentiated thread pitch creates a clamping effect that pulls the wood members together
- Deep 6-lobe recess provides improved control and greater bit life



Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



SWD Protec®+ Coating

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
SWD6.5X65	75425	6.5	65	8	28	21.5	T-30	50
SWD6.5X90	75426	6.5	90	8	40	33.5	T-30	50
SWD6.5X130	75427	6.5	130	8	40	33.5	T-30	50
SWD6.5X160	75428	6.5	160	8	65	58.5	T-30	50
SWD6.5X190	75429	6.5	190	8	80	73.5	T-30	50
SWD6.5X220	75430	6.5	220	8	95	88.5	T-30	50
SWD8.0X90	75431	8.0	90	10	40	31.5	T-40	50
SWD8.0X130	75432	8.0	130	10	40	31.5	T-40	50
SWD8.0X160	75433	8.0	160	10	65	56.5	T-40	50
SWD8.0X190	75434	8.0	190	10	80	71.5	T-40	50
SWD8.0X220	75435	8.0	220	10	95	86.5	T-40	50
SWD8.0X245	75436	8.0	245	10	107.5	99	T-40	50
SWD8.0X275	75437	8.0	275	10	107.5	99	T-40	50
SWD8.0X300	75438	8.0	300	10	135	126.5	T-40	50
SWD8.0X330	75439	8.0	330	10	135	126.5	T-40	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Solid-Drive™ ESCRFTC Structural Full Threaded Countersunk **WOOD** Screw

Structural Timber to Timber Connections Including Glulam Seat Reinforcement and CLT Applications

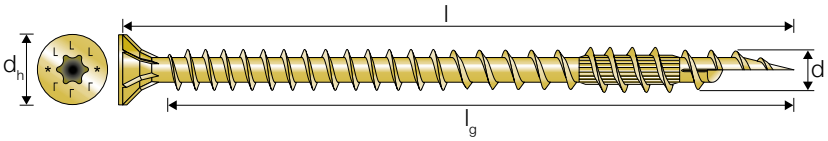
The Solid-Drive® ESCRFTC wood screw is a structural fastener available in a variety of lengths and is designed for cross-laminated timber (CLT), glulam construction, beam reinforcement and general interior applications.

These full-threaded 8.0, 10.0 and 12.0 diameter [mm] structural fasteners are designed to pull structural members together with superb holding power and excellent load capacity. The half-cut point makes it easy to fix the screw in the correct angle and thereby ensure that inclined screws are installed with the correct angle. The countersunk head and underhead nibs provide for clean countersinking, flush with the surface. Predrilling is not typically required. For interior and dry applications only.

Features:

- ETA approved (ETA-13/0796)
- UKTA approved (UKTA-22/6524)
- Countersunk head with underhead nibs creates a flush finish
- Half-cut point gives low installation torque and no pre-drilling is required
- Heavy-duty thread and shank provides strength and stability
- Full threaded for excellent pull-out values and high load-bearing capacities
- Deep 6-lobe recess provides improved control and greater bit life
- Head stamp includes length in mm for inspection

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



ESCRFTC Yellow Zinc Plated

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
ESCRFTC8.0X120	8.0	120	15.0	110	T-40	50
ESCRFTC8.0X140	8.0	140	15.0	130	T-40	50
ESCRFTC8.0X160	8.0	160	15.0	150	T-40	50
ESCRFTC8.0X180	8.0	180	15.0	170	T-40	50
ESCRFTC8.0X200	8.0	200	15.0	190	T-40	50
ESCRFTC8.0X220	8.0	220	15.0	210	T-40	50
ESCRFTC8.0X240	8.0	240	15.0	230	T-40	50
ESCRFTC8.0X260	8.0	260	15.0	250	T-40	50
ESCRFTC8.0X280	8.0	280	15.0	270	T-40	50
ESCRFTC8.0X300	8.0	300	15.0	290	T-40	50
ESCRFTC8.0X350	8.0	350	15.0	340	T-40	50
ESCRFTC8.0X400	8.0	400	15.0	390	T-40	50
ESCRFTC8.0X450	8.0	450	15.0	427	T-40	50
ESCRFTC10.0X120	10.0	120	18.5	108	T-50	50
ESCRFTC10,0X160	10.0	160	18.5	148	T-50	50
ESCRFTC10.0X180	10.0	180	18.5	168	T-50	50
ESCRFTC10.0X200	10.0	200	18.5	188	T-50	50
ESCRFTC10.0X220	10.0	220	18.5	208	T-50	50

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
ESCRFTC10.0X240	10.0	240	18.5	228	T-50	50
ESCRFTC10.0X260	10.0	260	18.5	248	T-50	50
ESCRFTC10.0X280	10.0	280	18.5	268	T-50	50
ESCRFTC10.0X300	10.0	300	18.5	288	T-50	50
ESCRFTC10.0X350	10.0	350	18.5	338	T-50	50
ESCRFTC10.0X400	10.0	400	18.5	388	T-50	50
ESCRFTC10.0X450	10.0	450	18.5	426	T-50	50
ESCRFTC12.0X200	12.0	200	20.0	180	T-50	25
ESCRFTC12.0X220	12.0	220	20.0	200	T-50	25
ESCRFTC12.0X240	12.0	240	20.0	220	T-50	25
ESCRFTC12.0X260	12.0	260	20.0	240	T-50	25
ESCRFTC12.0X280	12.0	280	20.0	260	T-50	25
ESCRFTC12.0X300	12.0	300	20.0	280	T-50	25
ESCRFTC12.0X350	12.0	350	20.0	330	T-50	25
ESCRFTC12.0X400	12.0	400	20.0	380	T-50	25
ESCRFTC12.0X450	12.0	450	20.0	430	T-50	25
ESCRFTC12.0X500	12.0	500	20.0	480	T-50	25
ESCRFTC12.0X600	12.0	600	20.0	580	T-50	25

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Solid-Drive™ ESCRFTZ/ESCRFT Structural Full Threaded Cylinder Head **WOOD** Screw

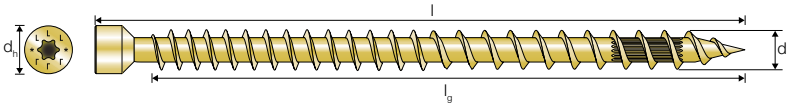
Structural Timber to Timber Connections Including Glulam, CLT and General Interior Applications

The Solid-Drive® ESCRFTZ and ESCRFT wood screws are structural fasteners available in a variety of lengths and are designed for cross-laminated timber (CLT), glulam construction, beam reinforcement and general interior applications.
These full-threaded 8.0 and 10.0 diameter [mm] structural fasteners are designed to pull structural members together with superb holding power and excellent load capacity. The cylinder-head allows for deep countersinking and inclined installations. Predrilling is not typically required. For interior and dry applications only.

Features:

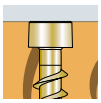
- ETA approved (ETA-13/0796)
- UKTA approved (UKTA-22/6524)
- Small cylinder head sinks into the wood allowing for hidden assemblies
- Full threaded for excellent pull-out values and high load-bearing capacities
- Heavy-duty thread and shank provides strength and stability
- Half-cut point which makes it easy to get a grip in the wood.

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

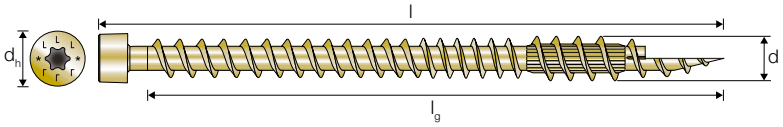


ESCRFTZ Yellow Zinc Plated

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
ESCRFTZ8.0X120	8.0	120	10.2	110	T-40	50
ESCRFTZ8.0X140	8.0	140	10.2	130	T-40	50
ESCRFTZ8.0X160	8.0	160	10.2	150	T-40	50
ESCRFTZ8.0X180	8.0	180	10.2	170	T-40	50
ESCRFTZ8.0X200	8.0	200	10.2	190	T-40	50
ESCRFTZ8.0X220	8.0	220	10.2	210	T-40	50
ESCRFTZ8.0X240	8.0	240	10.2	230	T-40	50
ESCRFTZ8.0X260	8.0	260	10.2	250	T-40	50
ESCRFTZ8.0X280	8.0	280	10.2	270	T-40	50
ESCRFTZ8.0X300	8.0	300	10.2	290	T-40	50
ESCRFTZ8.0X350	8.0	350	10.2	340	T-40	50
ESCRFTZ8.0X400	8.0	400	10.2	390	T-40	50



Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



ESCRFT Yellow Zinc Plated

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
ESCRFT10.0X450	10.0	450	13.4	426	T-50	25
ESCRFT10.0X500	10.0	500	13.4	476	T-50	25
ESCRFT10.0X600	10.0	600	13.4	576	T-50	25
ESCRFT10.0X800	10.0	800	13.4	776	T-50	15
ESCRFT10.0X1000	10.0	1000	13.4	976	T-50	15

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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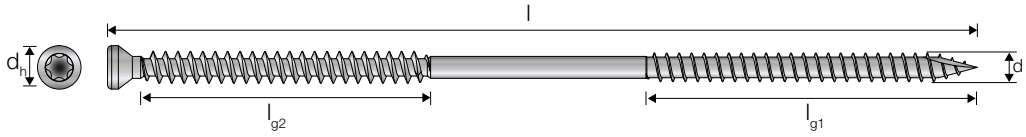
Solid·Drive™ SWRS Structural Roof and Exterior Wall Insulation **WOOD** Screw

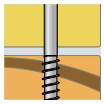
Structural Timber to Timber Connections Including Rafter-Insulation Applications

The CE marked SWRS screw is the ideal fixing option for hard or soft insulation applications. The screw can absorb shear and compressive forces to avoid pressing the insulation material to the background, this improves the insulation performance.

Features:

- CE Marked
- No pre-drilling required
- Double threaded to avoid compression of the insulation
- Small cylinder head for reduced blast effect and easy to countersink
- Upper thread keeps the counter batten fixed





Supracoat 2C

NEW

SWRS Supracoat 2C Coating

Model No.	Item code	Dimensions [mm]						Bit	
		d	l	d_h	d_h	l_{g1}	l_{g2}		
SWRS7.0X210	77924	7.0	210	10.5	5.0	70	80	T-40	50
SWRS7.0X230	77925	7.0	230	10.5	5.0	70	80	T-40	50
SWRS7.0X250	77926	7.0	250	10.5	5.0	70	80	T-40	50
SWRS7.0X270	77927	7.0	270	10.5	5.0	70	80	T-40	50
SWRS7.0X300	77928	7.0	300	10.5	5.0	70	80	T-40	50
SWRS7.0X330	77929	7.0	330	10.5	5.0	70	80	T-40	50
SWRS7.0X360	77931	7.0	360	10.5	5.0	70	80	T-40	50
SWRS7.0X400	77932	7.0	400	10.5	5.0	70	80	T-40	50
SWRS7.0X440	77934	7.0	440	10.5	5.0	70	80	T-40	50
SWRS7.0X480	77935	7.0	480	10.5	5.0	70	80	T-40	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Structural Wood Screws

Solid·Drive™ SDW/SDWS Structural **WOOD** Screw

Structural Timber to Timber Connections and General Interior (SDW) and Exterior (SDWS) Applications

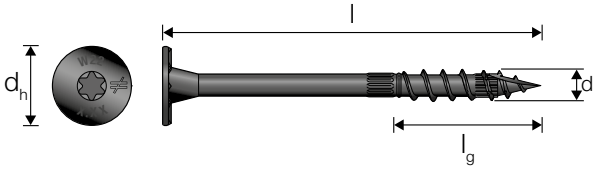
SDW/SDWS are structural wood screws available in a variety of lengths and are designed for cross-laminated timber assemblies, mass timber construction, log-home construction, ledgers and general interior applications.

These structural fasteners require less torque to install than comparable fasteners, and the large-diameter washer head pulls members down easily, eliminating the need to use extra washers.

Features:

- Low-profile head for reduced interference during handling or installation of hardware on the assembly
- High shear values enable wider screw spacing
- Bold thread design firmly clinches plies together to close gaps in multi-ply assemblies
- Optimal screw lengths provide maximum point side penetration
- Dimensions engraved on head for an easier identification even after installation

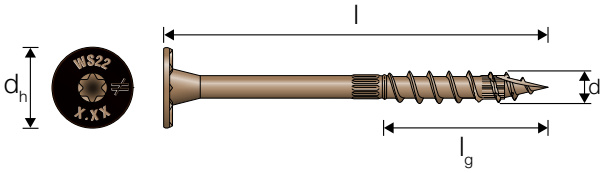
E-Coat
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



SDW E-Coat

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
SDW22258-R50E	8.0	66	19	36	T-40	50
SDW22300-R50E	8.0	76	19	37	T-40	50
SDW22338-R50E	8.0	86	19	40	T-40	50
SDW22438-R50E	8.0	111	19	37	T-40	50
SDW22458-R50E	8.0	117	19	37	T-40	50
SDW22500-R50E	8.0	127	19	40	T-40	50
SDW22600-R50E	8.0	152	19	37	T-40	50
SDW22638-R50E	8.0	162	19	37	T-40	50
SDW22634-R50E	8.0	172	19	40	T-40	50

Double Barrier
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



SDWS Double Barrier Coating

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
SDWS08X100DB	8.0	75	19.4	37	T-40	50
SDWS08X126DB	8.0	100	19.4	59	T-40	50
SDWS08X151DB	8.0	126	19.4	69	T-40	50
SDWS08X202DB	8.0	151	19.4	69	T-40	50
SDWS08X252DB	8.0	202	19.4	69	T-40	50
SDWS08X75DB	8.0	252	19.4	69	T-40	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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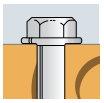
SDS Structural Hex-Drive **WOOD** Screw, Outdoor

Solid wood, Glulam

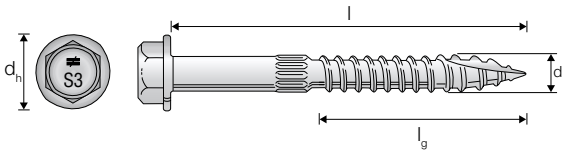
SDS screws are suitable for load-bearing wood structures, and are ideal for installation of connectors to wood or different wood-to-wood applications.

Features:

- SDS screws can be easily installed with a low speed screwdriver with a hexagonal head
- Ideal for use on wood terminals for load-bearing constructions
- Double Barrier coating



Double Barrier
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



SDS Double Barrier Coating

Model No.	Dimensions [mm]				Bit	
	d	l	d_h	l_g		
SDS25200MB	6.5	51	12.8	32	SW-3/8"	250
SDS25600MB	6.5	152	12.8	83	SW-3/8"	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Structural Wood Screws

Solid-Drive™ TTUFS/TTZNFS/TTSFS Countersunk **WOOD** Screw

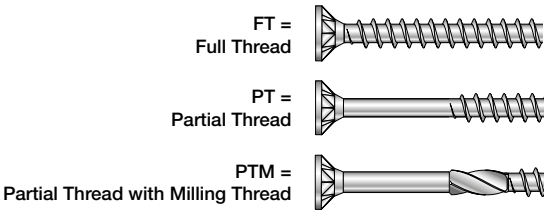
Structural Timber to Timber Connections Including Glulam, CLT and General Timber Applications

The Solid-Drive® TTUFS, TTZNFS and TTSFS countersunk wood screws are available in a variety of dimensions and are designed for general timber to timber applications as well as for cross-laminated timber (CLT) and glulam construction.

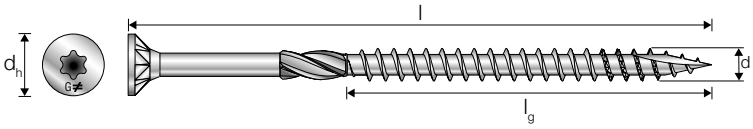
TTUFS screws are electro galvanised for standard interior and dry applications only. TTZNFS screws are Impreg+ coated for increased corrosion protection and TTSFS screws are made in A4 stainless-steel material and can therefore be used in applications where premium corrosion protection is required.

Features:

- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- Countersunk head sinks into the wood allowing for a flush finish
- Milling thread reduces the installation torque
- Type 17 cut point reduces the risk of wood splitting during the installation
- Deep 6-lobe recess provides improved control and greater bit life



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5**



TTUFS Electro Galvanised

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTUFS3.0X16*)	74414	3.0	16	6.0	11	FT	T-10	200
TTUFS3.0X20*)	74415	3.0	20	6.0	15	FT	T-10	200
TTUFS3.0X25*)	74416	3.0	25	6.0	20	FT	T-10	200
TTUFS3.0X30*)	74417	3.0	30	6.0	25	FT	T-10	200
NEW TTUFS3.0X40*)	77606	3.0	40	6.0	35	FT	T-10	200
TTUFS3.5X16*)	74418	3.5	16	7.0	11	FT	T-15	200
TTUFS3.5X20*)	74419	3.5	20	7.0	15	FT	T-15	200
TTUFS3.5X25*)	74420	3.5	25	7.0	20	FT	T-15	200
TTUFS3.5X30*)	74421	3.5	30	7.0	25	FT	T-15	200
TTUFS3.5X35*)	74422	3.5	35	7.0	30	FT	T-15	200
TTUFS3.5X40*)	74423	3.5	40	7.0	35	FT	T-15	200
TTUFS3.5X50*)	74424	3.5	50	7.0	30	PT	T-15	200
NEW TTUFS3.5X50*)	77609	3.5	50	7.0	45	FT	T-15	200
TTUFS4.0X20*)	74425	4.0	20	8.0	15	FT	T-20	200
TTUFS4.0X25*)	74426	4.0	25	8.0	20	FT	T-20	200
NEW TTUFS4.0X30*)	77610	4.0	30	8.0	18	PT	T-20	200
TTUFS4.0X30*)	74427	4.0	30	8.0	25	FT	T-20	200
TTUFS4.0X35*)	74428	4.0	35	8.0	30	FT	T-20	200
NEW TTUFS4.0X40*)	77612	4.0	40	8.0	20	PT	T-20	200
TTUFS4.0X40*)	74429	4.0	40	8.0	35	FT	T-20	200
TTUFS4.0X45*)	74430	4.0	45	8.0	29	PT	T-20	200
NEW TTUFS4.0X45*)	77613	4.0	45	8.0	40	FT	T-20	200
TTUFS4.0X50*)	74431	4.0	50	8.0	30	PT	T-20	200
NEW TTUFS4.0X50*)	77615	4.0	50	8.0	45	FT	T-20	200
TTUFS4.0X60*)	74432	4.0	60	8.0	35	PT	T-20	200
NEW TTUFS4.0X60*)	77616	4.0	60	8.0	55	FT	T-20	200
TTUFS4.0X70*)	74433	4.0	70	8.0	40	PT	T-20	200

*) *Not included in ETA-21/0670*
**) *Screws with d ≤ 4.0 are SC1 - 50 years acc. to EC5*

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Structural Wood Screws

TTUFS Electro Galvanised

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTUFS4.5X25	74434	4.5	25	8.4	20	FT	T-20	200
TTUFS4.5X30	74435	4.5	30	8.4	25	FT	T-20	200
NEW TTUFS4.5X35	77617	4.5	35	8.4	21	PT	T-20	200
TTUFS4.5X35	74436	4.5	35	8.4	30	FT	T-20	200
NEW TTUFS4.5X40	77618	4.5	40	8.4	20	PT	T-20	200
TTUFS4.5X40	74437	4.5	40	8.4	35	FT	T-20	200
TTUFS4.5X45	74438	4.5	45	8.4	29	PT	T-20	200
NEW TTUFS4.5X45	77619	4.5	45	8.4	40	FT	T-20	200
TTUFS4.5X50	74439	4.5	50	8.4	30	PT	T-20	200
NEW TTUFS4.5X50	77620	4.5	50	8.4	45	FT	T-20	200
TTUFS4.5X60	74440	4.5	60	8.4	35	PT	T-20	200
NEW TTUFS4.5X60	77627	4.5	60	8.4	55	FT	T-20	200
TTUFS4.5X70	74441	4.5	70	8.4	40	PT	T-20	100
TTUFS4.5X80	74442	4.5	80	8.4	50	PTM	T-20	100
TTUFS5.0X30	74373	5.0	30	9.5	25	FT	T-25	200
NEW TTUFS5.0X35	77629	5.0	35	9.5	30	FT	T-25	200
NEW TTUFS5.0X40	77630	5.0	40	9.5	20	PT	T-25	200
TTUFS5.0X40	74374	5.0	40	9.5	35	FT	T-25	200
NEW TTUFS5.0X45	77631	5.0	45	9.5	40	FT	T-25	200
TTUFS5.0X50	74375	5.0	50	9.5	30	PT	T-25	200
NEW TTUFS5.0X50	77634	5.0	50	9.5	45	FT	T-25	200
TTUFS5.0X60	74376	5.0	60	9.5	35	PT	T-25	200
NEW TTUFS5.0X60	77635	5.0	60	9.5	55	FT	T-25	200
TTUFS5.0X70	74377	5.0	70	9.5	40	PT	T-25	100
TTUFS5.0X80	74378	5.0	80	9.5	40	PTM	T-25	100
TTUFS5.0X90	74379	5.0	90	9.5	45	PTM	T-25	100
TTUFS5.0X100	74443	5.0	100	9.5	60	PTM	T-25	100
TTUFS5.0X120	74372	5.0	120	9.5	60	PTM	T-25	100
NEW TTUFS6.0X30	77636	6.0	30	11.6	24	FT	T-30	200
TTUFS6.0X40	74455	6.0	40	11.6	34	FT	T-30	200
TTUFS6.0X50	74457	6.0	50	11.6	30	PT	T-30	200
NEW TTUFS6.0X50	77637	6.0	50	11.6	44	FT	T-30	200
TTUFS6.0X60	74458	6.0	60	11.6	35	PT	T-30	200
NEW TTUFS6.0X60	77638	6.0	60	11.6	54	FT	T-30	200
TTUFS6.0X70	74459	6.0	70	11.6	40	PT	T-30	100
TTUFS6.0X80	74460	6.0	80	11.6	40	PTM	T-30	100
TTUFS6.0X90	74461	6.0	90	11.6	45	PTM	T-30	100
TTUFS6.0X100	74380	6.0	100	11.6	60	PTM	T-30	100
TTUFS6.0X120	74451	6.0	120	11.6	70	PTM	T-30	100
TTUFS6.0X140	74452	6.0	140	11.6	70	PTM	T-30	100
TTUFS6.0X160	74453	6.0	160	11.6	70	PTM	T-30	100
TTUFS6.0X180	74454	6.0	180	11.6	70	PTM	T-30	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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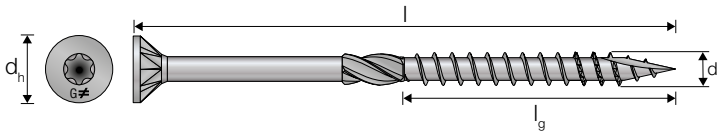
Structural Wood Screws

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



TTZNFS Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTZNFS3.0X16*)	76562	3.0	16	6.0	11	FT	T-10	200
TTZNFS3.0X20*)	76568	3.0	20	6.0	15	FT	T-10	200
TTZNFS3.0X25*)	76569	3.0	25	6.0	20	FT	T-10	200
TTZNFS3.0X30*)	76570	3.0	30	6.0	25	FT	T-10	200
TTZNFS 3.5X16*)	74476	3.5	16	7.0	10	FT	T-15	200
TTZNFS 3.5X20*)	74477	3.5	20	7.0	14	FT	T-15	200
TTZNFS3.5X25*)	76571	3.5	25	7.0	20	FT	T-15	200
TTZNFS 3.5X30*)	74478	3.5	30	7.0	24	FT	T-15	200
TTZNFS3.5X35*)	76572	3.5	35	7.0	30	FT	T-15	200
TTZNFS3.5X40*)	76573	3.5	40	7.0	35	FT	T-15	200
TTZNFS3.5X50*)	76574	3.5	50	7.0	30	PT	T-15	200
TTZNFS4.0X20*)	74479	4.0	20	8.0	10	FT	T-20	200
TTZNFS4.0X25*)	76575	4.0	25	8.0	20	FT	T-20	200
TTZNFS4.0X30*)	74480	4.0	30	8.0	20	FT	T-20	200
TTZNFS4.0X35*)	76576	4.0	35	8.0	30	FT	T-20	200
TTZNFS4.0X40*)	76577	4.0	40	8.0	35	FT	T-20	200
TTZNFS4.0X45*)	76578	4.0	45	8.0	29	PT	T-20	200
TTZNFS4.0X50*)	76579	4.0	50	8.0	30	PT	T-20	200
TTZNFS4.0X60*)	76580	4.0	60	8.0	35	PT	T-20	200
TTZNFS4.0X70*)	76581	4.0	70	8.0	40	PT	T-20	200
TTZNFS4.5X25	74481	4.5	25	8.4	20	FT	T-20	200
TTZNFS4.5X30	74482	4.5	30	8.4	25	FT	T-20	200
TTZNFS4.5X35	76582	4.5	35	8.4	30	FT	T-20	200
TTZNFS4.5X40	74483	4.5	40	8.4	35	PT	T-20	200
TTZNFS4.5X45	76561	4.5	45	8.4	29	PT	T-20	200
TTZNFS4.5X50	74484	4.5	50	8.4	30	PT	T-20	200
TTZNFS4.5X60	74485	4.5	60	8.4	35	PT	T-20	200
TTZNFS4.5X70	74486	4.5	70	8.4	40	PT	T-20	100
TTZNFS4.5X80	76563	4.5	80	8.4	29	PTM	T-20	100
TTZNFS5.0X30	76535	5.0	30	9.5	30	FT	T-20	200
TTZNFS5.0X40	76536	5.0	40	9.5	35	FT	T-20	200
TTZNFS5.0X50	76537	5.0	50	9.5	30	PT	T-20	200
TTZNFS5.0X50	74489	5.0	50	9.5	30	PT	T-25	200
TTZNFS5.0X60	76538	5.0	60	9.5	35	PT	T-20	200
TTZNFS5.0X60	74490	5.0	60	9.5	35	PT	T-25	200
TTZNFS5.0X70	76539	5.0	70	9.5	40	PT	T-20	100
TTZNFS5.0X70	74491	5.0	70	9.5	40	PT	T-25	100
TTZNFS5.0X70	74492	5.0	70	9.5	40	PT	T-25	750
TTZNFS5.0X80	76540	5.0	80	9.5	40	PTM	T-20	100
TTZNFS5.0X80	74493	5.0	80	9.5	40	PTM	T-25	100
TTZNFS5.0X80	74494	5.0	80	9.5	40	PTM	T-25	650

*) Not included in ETA-21/0670

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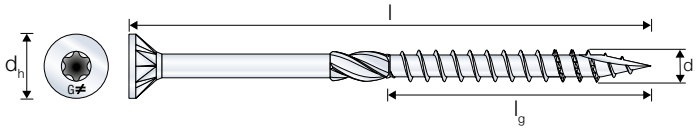
Structural Wood Screws

TTZNFS Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTZNFS5.0X90	76541	5.0	90	9.5	45	PTM	T-20	100
TTZNFS5.0X90	74495	5.0	90	9.5	45	PTM	T-25	100
TTZNFS5.0X90	74496	5.0	90	9.5	45	PTM	T-25	450
TTZNFS5.0X100	76542	5.0	100	9.5	60	PTM	T-20	100
TTZNFS5.0X100	74487	5.0	100	9.5	60	PTM	T-25	100
TTZNFS5.0X100	74510	5.0	100	9.5	60	PTM	T-25	450
TTZNFS5.0X120	76543	5.0	120	9.5	60	PTM	T-20	100
TTZNFS5.0X120	74488	5.0	120	9.5	60	PTM	T-25	100
TTZNFS6.0X40	76566	6.0	40	11.6	34	FT	T-30	200
TTZNFS6.0X50	76567	6.0	50	11.6	30	PT	T-30	200
TTZNFS6.0X60	74504	6.0	60	11.6	35	PT	T-30	200
TTZNFS6.0X70	74505	6.0	70	11.6	40	PT	T-30	100
TTZNFS6.0X80	74506	6.0	80	11.6	40	PTM	T-30	100
TTZNFS6.0X80	74507	6.0	80	11.6	40	PTM	T-30	450
TTZNFS6.0X90	74508	6.0	90	11.6	45	PTM	T-30	100
TTZNFS6.0X90	74509	6.0	90	11.6	45	PTM	T-30	450
TTZNFS6.0X100	74497	6.0	100	11.6	60	PTM	T-30	100
TTZNFS6.0X100	74498	6.0	100	11.6	60	PTM	T-30	300
TTZNFS6.0X120	74499	6.0	120	11.6	70	PTM	T-30	100
TTZNFS6.0X120	74500	6.0	120	11.6	70	PTM	T-30	250
TTZNFS6.0X140	74501	6.0	140	11.6	70	PTM	T-30	100
TTZNFS6.0X160	74502	6.0	160	11.6	70	PTM	T-30	100
TTZNFS6.0X180	74503	6.0	180	11.6	70	PTM	T-30	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



TTSFS Stainless Steel A4

Model No.	Item code	Dimensions [mm]				t_{fix}	Thread	Bit	
		d	l	d_h	l_g				
TTSFS5.0X60	74446	5.0	60	9.5	32	28	PT	T-25	100
TTSFS5.0X70	74447	5.0	70	9.5	35	35	PT	T-25	100
TTSFS5.0X80	74448	5.0	80	9.5	40	40	PTM	T-25	100
TTSFS5.0X90	74449	5.0	90	9.5	45	45	PTM	T-25	100
TTSFS5.0X100	74444	5.0	100	9.5	55	45	PTM	T-25	100
TTSFS5.0X120	74445	5.0	120	9.5	60	60	PTM	T-25	100
TTSFS6.0X70	74473	6.0	70	11.6	35	35	PT	T-30	100
TTSFS6.0X80	74474	6.0	80	11.6	40	40	PTM	T-30	100
TTSFS6.0X90	74475	6.0	90	11.6	45	45	PTM	T-30	100
TTSFS6.0X100	74450	6.0	100	11.6	55	45	PTM	T-30	100
TTSFS6.0X120	74471	6.0	120	11.6	60	60	PTM	T-30	100
TTSFS6.0X140	74472	6.0	140	11.6	65	75	PTM	T-30	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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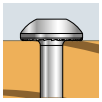
Solid·Drive™ TTUFP/TTZNFP Pan Head **WOOD** Screw

Structural Timber to Timber Connections

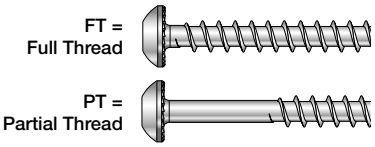
TTUFP screws have a 6 lobe drive and type 17 point which drives the screw smoothly into the woodwork and prevents splitting.
All screws have saw thread that reduces torque. Serrations under the head help the screw to grip the material.

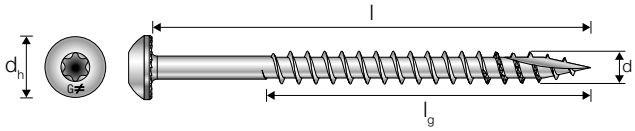
Features:

- ETA approved (ETA-21/0670)
- UKTA approved (UKTA-22/6514)
- 6 lobe drive
- Pan head
- Type 17 point
- Serrated thread and milling thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5**





TTUFP Electro Galvanised

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTUFP3.0X15*)	74511	3.0	15	5.5	15	FT	T-10	200
TTUFP3.0X20*)	74513	3.0	20	5.5	20	FT	T-10	200
TTUFP3.5X15*)	74512	3.5	15	6.6	15	FT	T-15	200
TTUFP3.5X20*)	74514	3.5	20	6.6	20	FT	T-15	200
TTUFP3.5X25*)	74515	3.5	25	6.6	25	FT	T-15	200
TTUFP3.5X30*)	74517	3.5	30	6.6	30	FT	T-15	200
TTUFP4.0X15*)	74518	4.0	15	7.6	15	FT	T-20	200
TTUFP4.0X20*)	74519	4.0	20	7.6	20	FT	T-20	200
TTUFP4.0X25*)	74520	4.0	25	7.6	25	FT	T-20	200
TTUFP4.0X30*)	74521	4.0	30	7.6	30	FT	T-20	200
TTUFP4.0X35*)	74522	4.0	35	7.6	35	FT	T-20	200
TTUFP4.0X40*)	74523	4.0	40	7.6	40	FT	T-20	200
TTUFP4.0X50*)	74524	4.0	50	7.6	30	PT	T-20	200
TTUFP5.0X30	74525	5.0	30	9.7	26	FT	T-25	200
TTUFP5.0X40	74526	5.0	40	9.7	36	FT	T-25	200
TTUFP5.0X50	74527	5.0	50	9.7	30	PT	T-25	200
TTUFP5.0X60	74528	5.0	60	9.7	35	PT	T-25	200
TTUFP5.0X70	74529	5.0	70	9.7	40	PT	T-25	100
TTUFP5.0X80	74530	5.0	80	9.7	50	PT	T-25	100
TTUFP6.0X40	74532	6.0	40	11.7	35	FT	T-30	100
TTUFP6.0X50	74533	6.0	50	11.7	30	PT	T-30	200
TTUFP6.0X60	74534	6.0	60	11.7	35	PT	T-30	200
TTUFP6.0X70	74535	6.0	70	11.7	40	PT	T-30	100
TTUFP6.0X80	74536	6.0	80	11.7	50	PT	T-30	100
TTUFP6.0X100	74531	6.0	100	11.7	60	PT	T-30	100

*) *Not included in ETA-21/0670*
**) *Screws with d ≤ 4.0 are SC1 - 50 years acc. to EC5*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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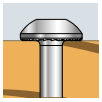
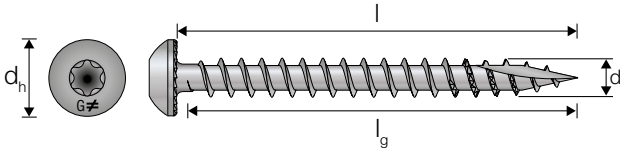
Structural Wood Screws



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



TTZNFP Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Thread	Bit	
		d	l	d_h	l_g			
TTZNFP4.0X30*)	74537	4.0	30	8.0	30	FT	T-20	200
TTZNFP4.0X40*)	74538	4.0	40	8.0	40	FT	T-20	200
TTZNFP4.0X50*)	74539	4.0	50	8.0	50	PT	T-20	200
TTZNFP5.0X40	74540	5.0	40	9.7	36	FT	T-25	200
TTZNFP5.0X50	74541	5.0	50	9.7	30	FT	T-25	200
TTZNFP5.0X60	74542	5.0	60	9.7	35	FT	T-25	200
TTZNFP5.0X70	74543	5.0	70	9.7	40	FT	T-25	100
TTZNFP5.0X80	74544	5.0	80	9.7	50	FT	T-25	100
TTZNFP6.0X60	74546	6.0	60	11.7	35	PT	T-30	200
TTZNFP6.0X80	74547	6.0	80	11.7	50	PT	T-30	100
TTZNFP6.0X100	74545	6.0	100	11.7	60	PT	T-30	100

*) *Not CE-marked*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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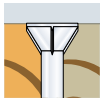
Decking Screws

Deck·Drive™
TTFA4 **DECKING** Screw, Stainless A4

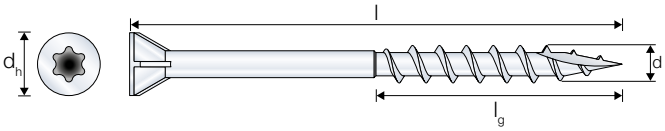
Decking boards to wood

Suitable for marine environments and industrial atmospheres. The TTFA4 screw will not discolour the woodwork around the screw head. Also suitable for precious woods such as oak, cedar or larch. The screw has a 6 lobe recess to ensure good grip and a cutpoint, which effectively drives the screw into the woodwork and counteracts splitting.

Features:
- Countersunk with ribs
- Coarse thread
- Type 17 point



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



TTFA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
TTFA44.2X35	74385	4.2	35	7	20	< 14.0	T-20	250
TTFA44.2X45	74386	4.2	45	7	23	< 22.0	T-20	250
TTFA44.2X55*)	74387	4.2	55	7	27.5	< 27.5	T-20	250
TTFA44.2X55*)	74388	4.2	55	7	27.5	< 27.5	T-20	1400
TTFA44.8X75	74389	4.8	75	7	35	< 40.0	T-20	100

*) *Available as collated screws for the Quik Drive® system, see page 182.*

TTFA4 Stainless Steel A4, Collated*)

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
TTFA44.2X45	74291	4.2	45	7	23	< 22.0	PH2	1000
TTFA44.2X55	74292	4.2	55	7	27.5	< 27.5	PH2	1000
TTFA44.8X75	74293	4.8	75	7	35	< 40.0	PH2	400

*) *Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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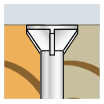
Deck·Drive™
DSIX4 **DECKING** Screw, Impreg® X4

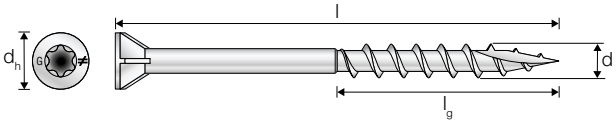
Decking boards to wood

The DSIX4 decking screws are designed for treated wood. The screws have a 6 lobe recess to ensure good grip. The type 17 point drives the screw efficiently and prevents wood splitting.

Features:
- 6 lobe drive
- Countersunk with ribs
- Coarse thread
- Type 17 point



Impreg®X4
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



DSIX4 Impreg® X4 Coating

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
DSIX44.2X35T-20	74361	4.2	35	7	20	< 15.0	T-20	250
DSIX44.2X45T-20	74362	4.2	45	7	23	< 21.5	T-20	400
DSIX44.2X55T-20*	74363	4.2	55	7	27	< 27.5	T-20	350
DSIX44.2X55T-20*	74364	4.2	55	7	27	< 27.5	T-20	1400
DSIX44.2X75T-20	74365	4.2	75	7	41	< 34.5	T-20	300
DSIX44.2X75T-20	74366	4.2	75	7	41	< 34.5	T-20	750

**) Available as collated screws for the Quik Drive® system, see page 182.*

DSIX4 Impreg® X4 Coating, Collated*)

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
DSIX44.2X55PH2	74294	4.2	45	7	23	< 21.5	PH2	1000
DSIX44.2X55PH2	74354	4.2	55	7	27	< 27.5	PH2	1000
DSIX44.2X75PH2	74355	4.2	75	7	41	< 34.5	PH2	400

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Decking Screws

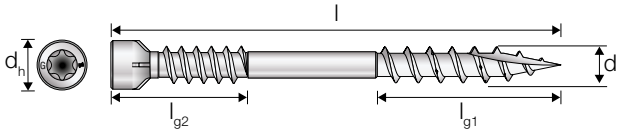
Deck·Drive™
DSPIX4 **DECKING** Screw Pro, Impreg® X4

Decking Boards to Wood

The DSPIX4 decking screw is a powerful fastening solution for preservative-treated decking applications. The screws have a 6 lobe recess to ensure good grip. The Type 17 point drives the screws efficiently and prevents wood splitting.
The screw has a thicker shank to resist the movement of the deck, a small head for a more professional finish and an additional thread to better pull the deck board to the joist. The narrow cap head provides a more discrete, yet robust installation.

Features:
- 6 lobe drive
- Cap head
- Coarse thread
- Type 17 point

Impreg®X4
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



DSPIX4 Impreg® X4 Coating

Model No.	Item code	Dimensions [mm]					Wood Thickness [mm]	Bit	
		d	l	d_h	l_{g1}	l_{g2}			
DSPIX44.8X60	74356	4.8	60	6.5	26	18	< 30.0	T-20	350
DSPIX44.8X70	74357	4.8	70	6.5	32	24	< 35.0	T-20	300
DSPIX45.5X80	74358	5.5	80	7.0	37.5	26.5	< 40.0	T-25	200
DSPIX46.5X95	74359	6.5	95	8.0	40	36	< 45.0	T-30	150

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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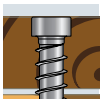
Decking Screws

Deck·Drive™ DSPROA2/DSPROA4 **HARDWOOD DECKING** Screw, Stainless

Hardwood Decking Boards to Wood

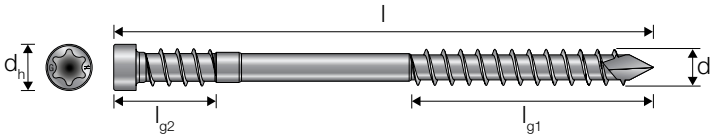
The DSPRO hardwood decking screw is a powerful fastening solution for hardwood decking such as IPE, cumaro, bankirai and others. The screw can be used in Marine environments.
The screw is designed to resist movement of the deck, a small head for a more professional finish and an additional thread to better pull the deck boards to the joist.
Recommend pre-drilling with 4,0 mm drill and pre-countersinking close to the edge.

Features:
- 6 lobe drive
- Double threaded
- Chisel point



Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX

NEW

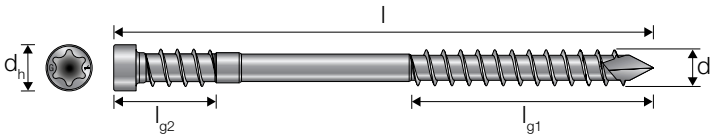


DSPROA2 Stainless Steel

Model No.	Item code	Dimensions [mm]					Wood Thickness [mm]	Bit	
		d	l	d_h	l_{g1}	l_{g2}			
DSPROA25.5X50	76545	5.5	50	7.0	22.5	15.4	< 25.0	T-25	150
DSPROA25.5X60	76546	5.5	60	7.0	27.5	15.4	< 30.0	T-25	150
DSPROA25.5X70	76547	5.5	70	7.0	32.5	15.4	< 35.0	T-25	150

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



DSPROA4 Stainless Steel

Model No.	Item code	Dimensions [mm]					Wood Thickness [mm]	Bit	
		d	l	d_h	l_{g1}	l_{g2}			
DSPROA45.5X50	74287	5.5	50	7.0	22.5	15.4	< 25.0	T-25	150
DSPROA45.5X60	74288	5.5	60	7.0	27.5	15.4	< 30.0	T-25	150
DSPROA45.5X70	74289	5.5	70	7.0	32.5	15.4	< 35.0	T-25	150
DSPROA45.5X80	74290	5.5	80	7.0	37.5	15.4	< 40.0	T-25	150

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Decking Screws

Deck·Drive™
SV Countersunk **DECKING** Screw

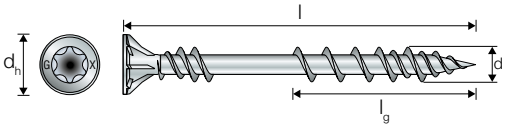
Softwood decking boards to wood

The SV decking screw is a powerful fastening solution for preservative-treated decking applications. With its underhead nibs and fast-start tip, the SV screw is ideally suited to be driven and countersunk into today's wood deck boards. The shank is designed to withstand the swelling and shrinkage that is common with fast-growth lumber.

Features:

- Low-torque threads
- 6 lobe drive
- Ribbed-head design countersinks easily and provides a clean, finished apperaence
- High-low tip provides a fast start
- Optimized threads for dimensional lumber

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



SV Stainless Steel A2

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
SV5.0X50L200A2	76244	5.0	50	8.5	28	≤ 22	T-25	200
SV5.0X50L500A2	-	5.0	50	8.5	28	≤ 22	T-25	500
SV5.0X60L150A2	76245	5.0	60	8.5	30	≤ 28	T-25	150
SV5.0X60L400A2	-	5.0	60	8.5	30	≤ 28	T-25	400
SV5.0X70L150A2	76246	5.0	70	8.5	36	≤ 34	T-25	150
SV5.0X70L300A2	-	5.0	70	8.5	36	≤ 34	T-25	300

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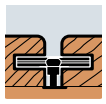
EB-TY®
Premium **Hidden Deck-Fastening** System™

Premium Hardwood Decking Boards to Wood

The new EB-TY Premium hidden deck-fastening system is the ideal solution that blends strength with ease of installation in a fastener that won't detract from the deck's finished appearance.

Features:

- Easy to install for professional builders and DIY'ers
- Ideal for premium hardwoods
- For residential and commercial applications
- The patented arc shape of the EB-TY also helps ease insertion — works with pregrooved and biscuit-cut slots
- Prevents over-driving of the screw, helping to ensure consistent, quality installations
- Provides greater holding power and increased pullover resistance



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

EB-TY® Premium

Model No.	Screw Dimensions [mm]		Distance between decking boards	EB-TY Premium Qty	Screw Qty	IPE Plug Qty
	d	l				
EB332WD316R175	2.5	59	2.4	175	190	12
EB14WD316R175	2.5	59	6.4	175	190	12

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Deck·Drive™
DAP Adjustable **PEDESTALS**

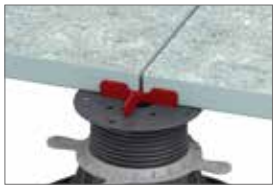
Raised Outdoor Decks, Tiles on Pedestals, Joists on Pedestals

DAP adjustable pedestals offer a versatile solution for raised outdoor decks. They allow to adjust the height from 30 up to 120 mm. Smooth height regulation with a rotating screw nut allows to regulate the height even while the pedestals are already carrying the tiles or timber joists. For fast height adjustment it can be used with a drill driver bit tool.

DAP pedestals can be used for both tiles and timber decking joists. For tiles on pedestals, a spacer disc creates the correct positioning of the tiles. For timber joists on the pedestals, using the joist adapter allows to fasten the pedestals to the timber with screws. It is possible to use joist made of wood, WPC, or aluminium. Both the spacers and adapters are included in the box.

Features:
- Easy height adjustment range from 30 to 120 mm
- High load resistance
- Spacers for tiles and adapters for timber joists included in the box
- Can be installed on sloped surfaces with the self-levelling head accessory (not included) providing automatic slope compensation from 0 to 7%

Spacers for tiles



Adapters for timber

NEW

DAP Dimensions

Model No.	Dimensions [mm]			Load capacity	Qty per box
	Foot plate diameter [Ø]	Min. height	Max. height		
DAP3045	177	30	45	1100 kg	24
DAP4570	177	45	70	1100 kg	16
DAP70120	177	70	120	1100 kg	20

Accessories for DAP (not included in the box):

DALEVEL
Self levelling plate

DASHIM
Rubber shim

Item code	Description	Dimensions [mm]		Qty per box	Qty per outer box
		Diameter [Ø]	Height		
DALEVEL	Self levelling plate	110	16,0	4	160
DASHIM	Rubber shim	100	1,5	10	1000

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Decking Accesories

Deck·Drive™ DAJT Timber Protection **TAPE**

Protection of Timber Decking Substructure, Timber Frames etc. from Rain.

DAJT tape protects the deck substructure from rain.

The tape is applied on the upper side of the timber frame before the decking boards are placed and fastened. A paper liner which protects the glue of the tape is removed before applying it onto the timber. The tape is then smoothened out with a flat object or by using your hands (gloves recommended).

Features:
- Strongly adhesive
- Durable and impact resistant
- Water resistant

NEW

DAJT Dimensions

Item code	Dimensions		Qty per box	Qty (rolls) per outer box
	Tape width	Roll length		
DAJT77	77 mm	20 meters	1 roll	6

Deck·Drive™ DAJP Deck Support **PADS**

Intermediate Layer Between Concrete Foundation or Tiles and Timber Decking Substructures.

DAJP deck support pads are used to raise the deck substructure from the foundation to protect the timber from water and moisture. The pads also help to distribute the load of the deck evenly as small load differences are absorbed. Furthermore the pads can be used to adjust the height.

Features:
- Extends the life of you deck as the timber is protected from water
- Creates a more even and load aborbing deck
- Provides the possibility to adjust the height

NEW

DAJP Dimensions

Item code	Dimensions [mm]			Qty per box	Qty per outer box
	Width	Length	Thickness		
DAJP3	40	80	3,0	24	1536
DAJP8	60	90	8,0	24	1584

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CLSA4/CLSZN Wood **FACADE** Screw

Wood facades to wood

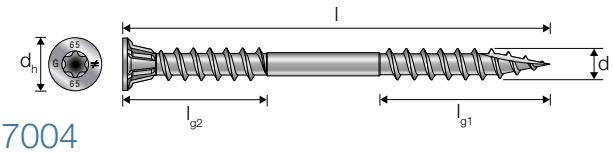
Made for outdoor wood cladding. The flat head with fiber lock technology protects the wood from moisture, and the double thread ensures sufficient insertion, even in high density wood without the risk of spin-off. Stainless A4 version made for non-painted facades or in marine environments.

Features:

- 6 lobe drive
- Flat head with fiber lock technology
- Double threaded
- Extreme ductility

RAL 7004

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

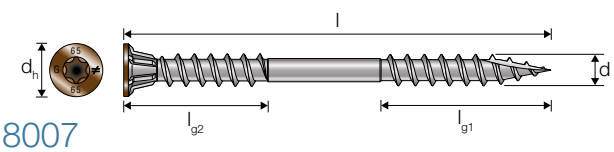


CLSA4 Stainless Steel A4 + Painted Head RAL 7004

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
CLSA44.8X48	75464	4.8	48	8	26	18	T-20	250
CLSA44.8X48	75463	4.8	48	8	26	18	T-20	1300
CLSA44.8X65	75466	4.8	65	8	26	22	T-20	250
CLSA44.8X65	75465	4.8	65	8	26	22	T-20	750

RAL 8007

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

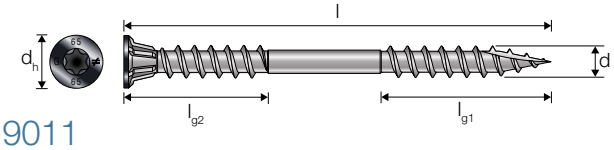


CLSA4 Stainless Steel A4 + Painted Head RAL 8007

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
CLSA44.8X48	75834	4.8	48	8	26	18	T-20	250
CLSA44.8X48	75835	4.8	48	8	26	18	T-20	1300
CLSA44.8X65	75836	4.8	65	8	26	22	T-20	250
CLSA44.8X65	75837	4.8	65	8	26	22	T-20	750

RAL 9011

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



CLSA4 Stainless Steel A4 + Painted Head RAL 9011

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
CLSA44.8X48	75838	4.8	48	8	26	18	T-20	250
CLSA44.8X48	75839	4.8	48	8	26	18	T-20	1300
CLSA44.8X65	75840	4.8	65	8	26	22	T-20	250
CLSA44.8X65	75841	4.8	65	8	26	22	T-20	750

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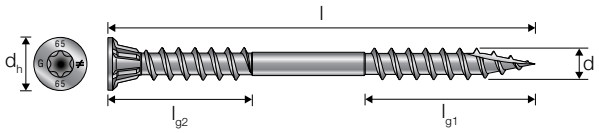
Cladding, Roof, and Facade Screws

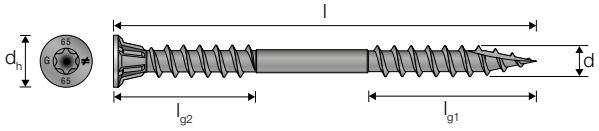
Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



CLSA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
CLSA44.8X48	75944	4.8	48	8	26	18	T-20	250
CLSA44.8X65	75945	4.8	65	8	26	22	T-20	250

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CLSZN Impreg®+ Coating

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
CLSZN4.8X48*)	75460	4.8	48	8	26	18	T-20	250
CLSZN4.8X48*)	75459	4.8	48	8	26	18	T-20	1300
CLSZN4.8X65*)	75462	4.8	65	8	26	22	T-20	250
CLSZN4.8X65*)	75461	4.8	65	8	26	22	T-20	750

*) *Available as collated screws for the Quik Drive® system, see page 182.*

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VBS **WINDOW SILL** Screw

Window sill to wood, Metal sheet to wood

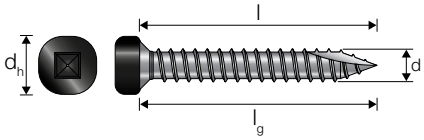
Painted head to match colored steel plate work for windows. Primarely used for installation of window sills. The window sill screw can deal with aggressive environments. The underside of the head is tapered to ensure a good seal with the sheet or plate. The cutpoint prevents splitting of the frame wood.

Features:

- Square drive
- Painted panhead

RAL 9005

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

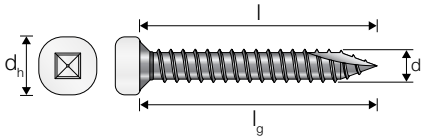


VBS Stainless Steel A4 + Painted Head RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VBS3.5X19	75522	3.5	19	6	19	NR1	200

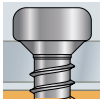
RAL 9010

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

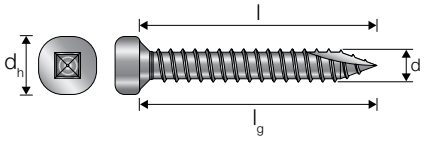


VBS Stainless Steel A4 + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VBS3.5X19	75521	3.5	19	6	19	NR1	200



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



VBS Stainless Steel A4

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VBS3.5X19	75520	3.5	19	6	19	NR1	200

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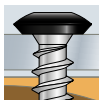
TPSC Steel Plate **ROOFING** Screw

Steel plate to wood

Used to assemble roofing steel plates to wood substrates. The color of the head matches the color of the roofing plate, creating a discreet end result.

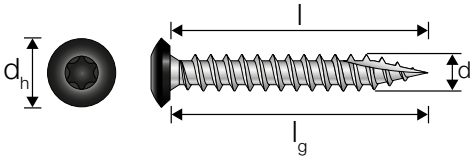
Features:

- 6 lobe drive
- Type 17 point
- Serrated coarse thread
- Painted head



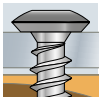
RAL 9005

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



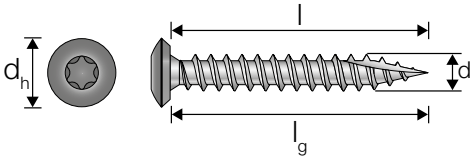
TPSC Stainless AISI 410 + Painted Head RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TPSC5.0X35	75467	5.0	35	9.3	32	T-25	500



RAL 7024

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5

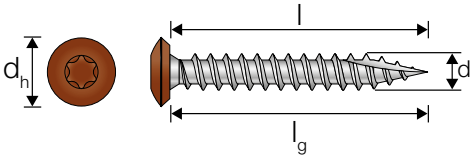


TPSC Stainless AISI 410 + Painted Head RAL 7024

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TPSC5.0X35	75468	5.0	35	9.3	32	T-25	500

RAL 8004

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



TPSC Stainless AISI 410 + Painted Head RAL 8004

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TPSC5.0X35	75469	5.0	35	9.3	32	T-25	500

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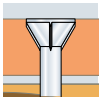
RTSA2 **ROOF TILE** Screw

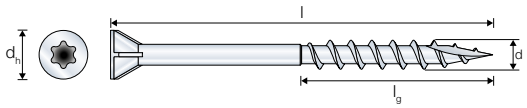
Roof tile to wood

Used outdoor for roof tiles made of concrete with 5 mm holes for fixation.

Features:
- 6 lobe drive
- Countersunk with ribs
- Coarse thread
- Type 17 point



Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



RTSA2 Stainless A2

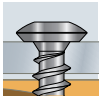
Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
RTSA24.8X75	75458	4.8	75	7	35	T-20	200

KTF **UNIVERSAL** Screw, Stainless Hardened

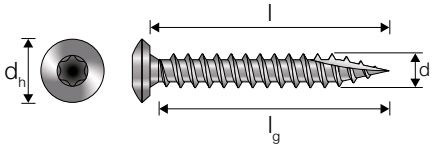
Steel, boards etc. to wood

The universal screw stainless steel 410 hardened is ideally suited for fixing guttering, fittings, brackets. The screw has a cutpoint which drives the screw effectively into the wood and prevents splitting.

Features:
- Wafer head
- PH drive
- Type 17 point
- Coarse thread



AISI 410 Hardened
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



KTF Stainless AISI 410 Hardened

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
KTF5.0X25	75506	5.0	25	9.3	22	T-25	250
KTF5.0X30	75507	5.0	30	9.3	27	T-25	250
KTF5.0X35	75508	5.0	35	9.3	32	T-25	250
KTF5.0X45	75509	5.0	45	9.3	42	T-25	250
KTF5.0X60	75510	5.0	60	9.3	57	T-25	250
KTF5.0X75	75511	5.0	75	9.3	72	T-25	250

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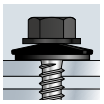
FARMA Steel **ROOFING** and **CLADDING** to Steel Screw

Steel to steel, metal roofing, metal facades

FARMA farmer screws are used for fixing overlapping wall and roof metal sheeting. Drilling capacity is 2 x 1.0 mm.

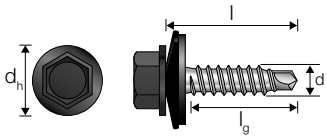
Features:

- 8 mm hex head
- Drill point
- Painted head
- EPDM washer



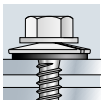
RAL 9005

Aluminium
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



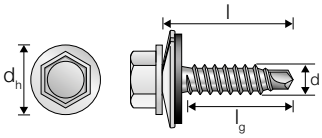
FARMA Aluminium + Painted Head RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMA5.5X35	75309	5.5	35	14	32	SW-8	250



RAL 9010

Aluminium
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FARMA Aluminium + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMA5.5X35	75310	5.5	35	14	32	SW-8	250

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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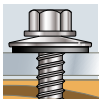
FARMZC Steel **ROOFING** and **CLADDING** to Wood Screw

Steel to steel, metal roofing, metal facades

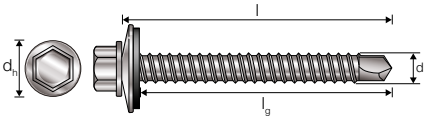
Farmer screw with drill point is used to fix profiled metal sheet to wood for roof and wall installation. Fit the screw in the concave part of the profiled sheet. Drilling capacity is 2 x 1.0 mm.

Features:

- 8 mm Hex head
- Drill point
- Painted head
- EPDM washer



Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

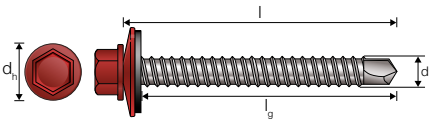


FARMZC Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X20	77063	4.8	20	14	17	SW-8	250
FARMZC4.8X35	77064	4.8	35	14	32	SW-8	250

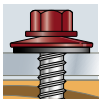
RAL 3009

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



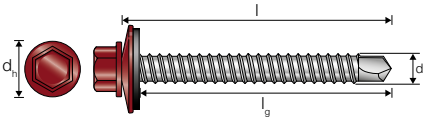
FARMZC Electro Galvanised + Painted Head RAL 3009

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X20	75706	4.8	20	14	17	SW-8	250
FARMZC4.8X35	75709	4.8	35	14	32	SW-8	250



RAL 3011

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FARMZC Electro Galvanised + Painted Head RAL 3011

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X35	77062	4.8	35	14	32	SW-8	250

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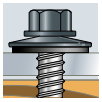
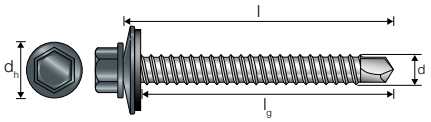
Cladding, Roof, and Facade Screws



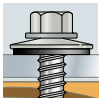
RAL 7011

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



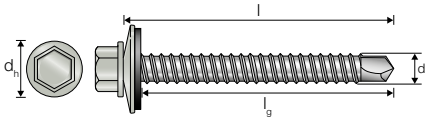
FARMZC Electro Galvanised + Painted Head RAL 7011

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X35	77061	4.8	35	14	32	SW-8	250



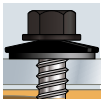
RAL 7038

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



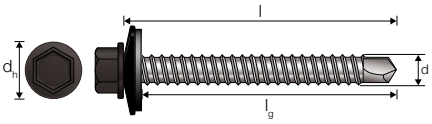
FARMZC Electro Galvanised + Painted Head RAL 7038

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X35	77059	4.8	35	14	32	SW-8	250



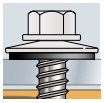
RAL 9005

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



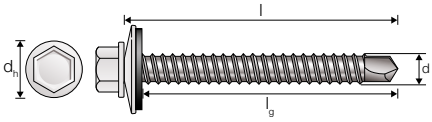
FARMZC Electro Galvanised + Painted Head RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X20	75705	4.8	20	14	17	SW-8	250
FARMZC4.8X35	75708	4.8	35	14	32	SW-8	250
FARMZC4.8X60	75710	4.8	60	14	57	SW-8	100



RAL 9010

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FARMZC Electro Galvanised + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARMZC4.8X20	75704	4.8	20	14	17	SW-8	250
FARMZC4.8X35	75707	4.8	35	14	32	SW-8	250

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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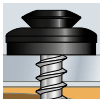
FARML Steel **ROOFING** and **CLADDING** to Wood Screw, Panhead

Steel to steel, metal roofing, metal facades

Farmer screw with drill point is used to fix profiled steel sheet to wood for roof and wall installation. Fit the screw in the concave part of the profiled sheet. Drilling capacity is 2 x 1.0 mm. The pan head leaves the installation with a more aesthetically pleasing end result.

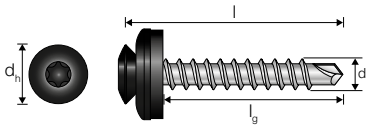
Features:

- ETA approved
- 6 lobe drive
- Painted pan head
- Drill point
- EPDM washer



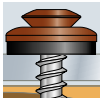
RAL 9005

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



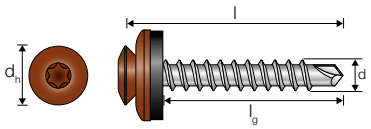
FARML Electro Galvanised + Painted Head RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARML4.8X35	75726	4.8	35	9.1	full	T-20	250



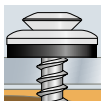
RAL 8004

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



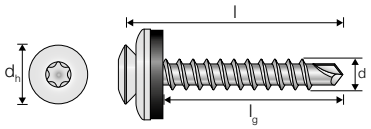
FARML Electro Galvanised + Painted Head RAL 8004

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARML4.8X35	75725	4.8	35	9.1	full	T-20	250



RAL 9010

Electro Galvanised
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FARML Electro Galvanised + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FARML4.8X35	75724	4.8	35	9.1	full	T-20	250

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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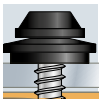
VSBC **CAPPING** Screw

Capping to fascias/bargeboards

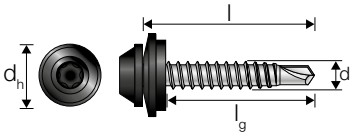
Used to fix steel capping on fascias/barge boards.

Features:
- 6 lobe drive
- Painted panhead
- Drill point
- EPDM washer



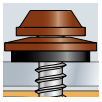
RAL 9005

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



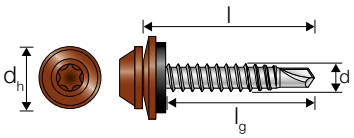
VSBC Stainless AISI 410 + Ruspert Silver 500 Hrs + Powder Coating RAL 9005

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VSBC4.2X25	75449	4.2	25	9	20	T-20	100



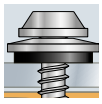
RAL 8004

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



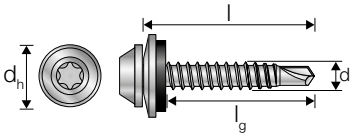
VSBC Stainless AISI 410 + Ruspert Silver 500 Hrs + Powder Coating RAL 8004

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VSBC4.2X25	75450	4.2	25	9	20	T-20	100



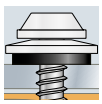
RAL 9006

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



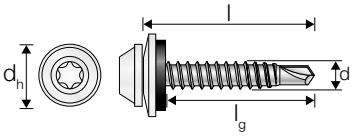
VSBC Stainless AISI 410 + Ruspert Silver 500 Hrs + Powder Coating RAL 9006

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VSBC4.2X25	75452	4.2	25	9	20	T-20	100



RAL 9010

AISI 410
C3 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



VSBC Stainless AISI 410 + Ruspert Silver 500 Hrs + Powder Coating RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
VSBC4.2X25	75451	4.2	25	9	20	T-20	100

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LSF **SKIRTING** Screw

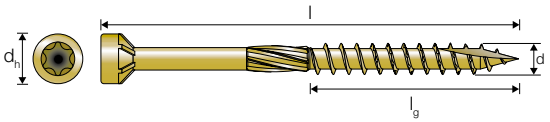
Skirting to wood, skirting to steel

Used indoors for fixing skirting to underlying wood material. The small screw head has ribs on its underside for easy countersinking and a cutpoint to counteract splitting of the woodwork. The screw can also be fixed to a steel base with a maximum thickness of 0.6 mm.

Features:

- Trim pan head
- 6 lobe drive
- Type 17 point

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

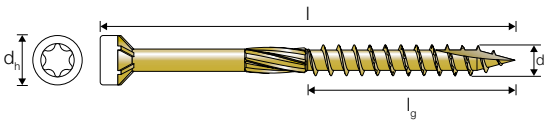


LSF Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
LSF3.0X35	75319	3.0	35	5.5	23	T-10	200
LSF3.0X42	75321	3.0	42	5.5	27	T-10	200
LSF3.0X57	75322	3.0	57	5.5	37	T-10	200

RAL 9010

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



LSF Yellow Zinc Plated + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
LSF3.0X42	75323	3.0	42	5.5	27	T-10	200
LSF3.0X57	75324	3.0	57	5.5	37	T-10	200

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LTSF/LTSFR **SKIRTING** Screw

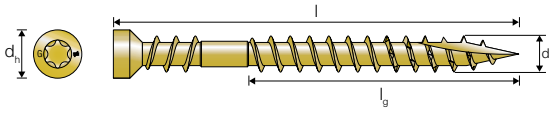
Skirting to wood, skirting to steel, solid wood flooring to wood

The floor/skirting screw is used indoors for fitting skirting and softwood flooring. The stainless LTSFR screw can be used for outdoor applications.

Features:

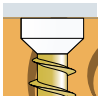
- 6 lobe drive
- Trim pan head
- Type 17 point
- Coarse thread with reverse thread

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



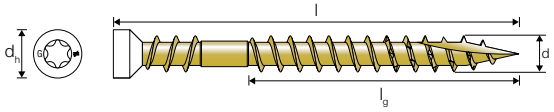
LTSF Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
LTSF3.9X35	74371	3.9	35	5	23	T-10	250
LTSF3.9X42	74360	3.9	42	5	28	T-10	250
LTSF3.9X57	74381	3.9	57	5	38	T-10	250
LTSF3.9X70	74382	3.9	70	5	46	T-10	250



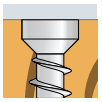
RAL 9010

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

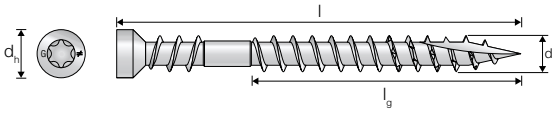


LTSF Yellow Zinc Plated + Painted Head RAL 9010

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
LTSF3.9X42	74383	3.9	42	5	28	T-10	250
LTSF3.9X57	74384	3.9	57	5	38	T-10	250



AISI 410 Hardened
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



LTSFR Stainless AISI 410 Hardened

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Bit	
		d	l	d_h	l_g			
LTSFR3.9X35	75514	3.9	35	5	23	< 12.0	T-10	250
LTSFR3.9X42	75515	3.9	42	5	27	< 15.0	T-10	250
LTSFR3.9X57	75516	3.9	57	5	37	< 20.0	T-10	250
LTSFR4.5X70	75517	4.5	70	5	46	< 24.0	T-15	250
LTSFR4.5X80	75518	4.5	80	5	50	< 30.0	T-15	250

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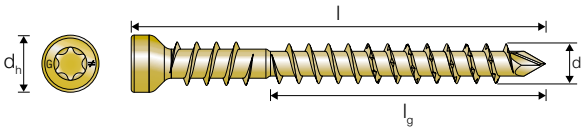
LTSFH **SKIRTING** Screw, Chisel Point

Skirting to wood, skirting to steel, hardwood flooring to wood

The floor/skirting screw is used indoors for fixing skirting or when laying hardwood flooring. The chisel point helps to prevent splitting when used on thinner mouldings or reduced edge distances. This screw can be used in wood or steel up to a maximium thickness of 0.9 mm.

Features:
- 6 lobe drive
- Trim head
- Chisel point
- Coarse thread with reverse thread

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



LTSFH Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
LTSFH4.2X42	74369	4.2	42	6	28	T-15	250
LTSFH4.2X57	74370	4.2	57	6	38	T-15	250

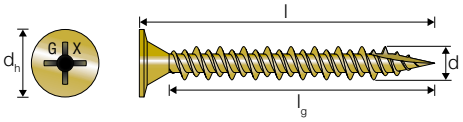
BKF LAMINATE Screw

Laminate boards to wood

This screw is specially developed for mounting ceiling and wall boards made of laminate. The screw has Hi-Lo thread and cutpoint and can therfore be used in wood and steel joists up to 1.0 mm in thickness.

Features:
- PH drive
- Hi-Lo thread
- Type 17 point

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



BKF Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
BKF4.2X25	75512	4.2	35	8	30	PH2	250
BKF4.2X35	75513	4.2	25	8	30	PH2	250

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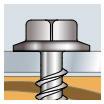
GKS Steel Bracket to **CONCRETE** or **WOOD** Screw

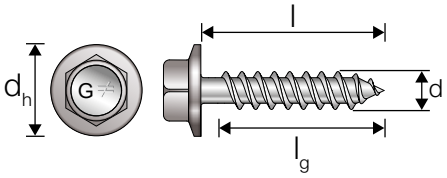
Steel to wood

Construction and bracket screw for indoor use for fixing brackets, bracing straps, and plumbing items to wood battens or concrete, together with a Ø10 mm plug.

Features:
- Serrated threads
- Hex-washer head 8 mm



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



GKS Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GKS6.5X40	74272	6.5	40	15	Full thread	8mm HEX	100
GKS6.5X50	74273	6.5	50	15	Full thread	8mm HEX	100
GKS6.5X60	74274	6.5	60	15	Full thread	8mm HEX	100
GKS6.5X75	74275	6.5	75	15	55	8mm HEX	100
GKS6.5X100	74271	6.5	100	15	70	8mm HEX	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

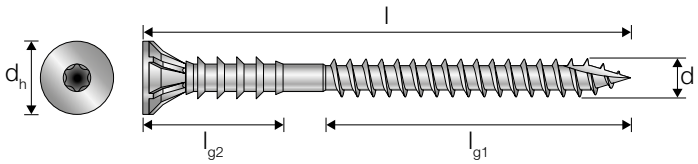
DSZ Adjustable **DOOR FRAME** Screw

Door frames to wood

This special frame screw is used for indoor installation of interior door frames with pre-drilled holes - Ø14 mm from one side and Ø6 mm from the other. The anchor thread under the head grips the woodwork, allowing the frame to be adjusted both inwards and outwards.

Features:
- 6 lobe drive
- Anchor thread
- Type 17 point

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



DSZ Electro Galvanised

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
DSZ6.0X60	75552	6.0	60	11.7	30	20	T-25	100
DSZ6.0X70	75553	6.0	70	11.7	40	20	T-25	100
DSZ6.0X80	75711	6.0	80	11.7	50	20	T-25	8
DSZ6.0X80	75554	6.0	80	11.7	50	20	T-25	100
DSZ6.0X90	75712	6.0	90	11.7	-	20	T-25	8
DSZ6.0X90	75555	6.0	90	11.7	60	20	T-25	100
DSZ6.0X100	75556	6.0	100	11.7	60	20	T-25	100
DSZ6.0X110	75557	6.0	110	11.7	60	20	T-25	100
DSZ6.0X120	75558	6.0	120	11.7	60	20	T-25	100
DSZ6.0X130	75559	6.0	130	11.7	60	20	T-25	100

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BW Wood to **STEEL,** Drill Wing Screw

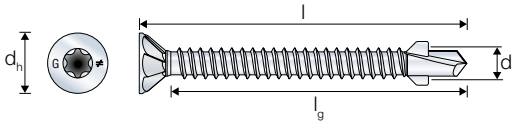
Wood to steel, fibreboard to steel, fibre cement to steel

The BW screw is a winged tip self-drilling screw that is commonly used for fitting wood battens, wood fibreboards and fibre cement boards to steel. The wings enlarge the hole in fastened material allowing the threads to pass through without engaging. This added clearance means there is no need to pre drill before fitting and ensures the fastened material is clamped tightly to the steel. Upon contact with the steel, the wings will break away to allow the threads to engage in the steel ensuring a tight clamping effect.

Features:

- 6 lobe drive
- Ribbed flat head
- Drill point with wings
- Metal tapping thread

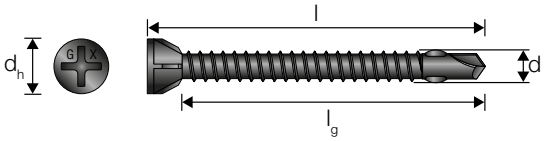
Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



BW Protec® Coating

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Steel Thickness [mm]	Bit	
		d	l	d_h	l_g				
BW4.2X45	74258	4.2	45	9	Full thread	6 - 30	1-2	T-25	100
BW4.8X50	74259	4.8	50	9	Full thread	10 - 38	2-4	T-25	100
BW4.8X85	74260	4.8	85	9	Full thread	10 - 60	1-2	T-25	100
BW5.5X65	74262	5.5	65	12	Full thread	10 - 40	2-4	T-30	100
BW5.5X85	74263	5.5	85	12	Full thread	25 - 60	2-4	T-30	100
BW5.5X90	74270	5.5	90	12	Full thread	25 - 55	4-12	T-30	100
BW5.5X115	74261	5.5	115	12	Full thread	40 - 80	4-12	T-30	100

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



BW Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Wood Thickness [mm]	Steel Thickness [mm]	Bit	
		d	l	d_h	l_g				
BW3.9X42	75723	3.9	42	6.8	Full thread	6.0-25.0	1.0-2.5	PH2	1000

*) *Flat tape collated for standard auto-feed screwdrivers*

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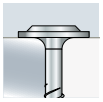
FS Wafer Head **STEEL** or **WOOD** Screw

Drywall to steel or wood, fibre cement to steel or wood

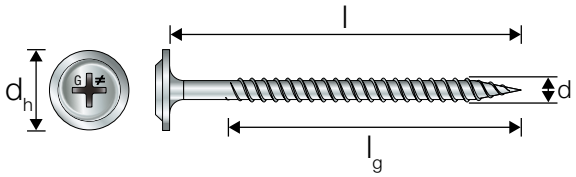
Used to fix board materials such as drywall board and fibre cement board to wood battens or steel joists up to 1.0 mm in thickness. Protec+ coated screws are used outdoor and electro galvanised and phosphated screws are used indoor.

Features:

- PH drive
- Wafer head
- Sharp point
- Twin thread



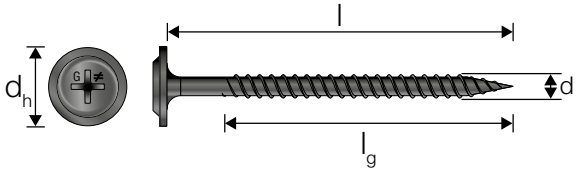
Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FS Protec®+ Coating

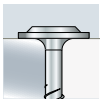
Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FS4.2X13	74405	4.2	13	12	Full thread	PH2	250
FS4.2X25	74402	4.2	25	12	Full thread	PH2	250
FS4.2X32	74404	4.2	32	12	Full thread	PH2	250
FS4.2X65	74413	4.2	65	12	Full thread	PH2	250

Phosphated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

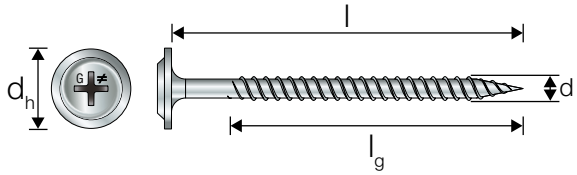


FS Phosphated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FS4.2X13	75503	4.2	13	11.5	Full thread	PH2	500
FS4.2X16	75504	4.2	16	11.5	Full thread	PH2	500
FS4.2X25	75505	4.2	25	11.5	Full thread	PH2	250



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FS Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FS4.2X16	75523	4.2	16	11.5	Full thread	PH2	250
FS4.2X25	75524	4.2	25	11.5	Full thread	PH2	250
FS4.2X32	75525	4.2	32	11.5	Full thread	PH2	250
FS4.2X45	75526	4.2	45	11.5	37	PH2	250
FS4.2X65	75527	4.2	65	11.5	39	PH2	250

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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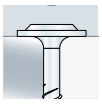
Assembly Screws

FSA2 Wafer Head **STEEL** or **WOOD** Screw

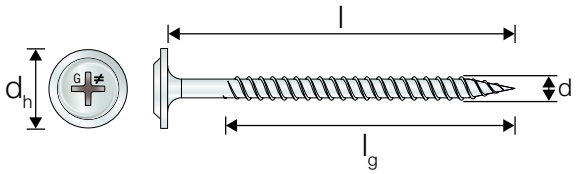
Drywall to steel or wood, fibre cement to steel or wood

FSA2 screws are used to fix external board materials such as drywall and fibre cement board to wood battens or steel joists up to 1.0 mm in thickness.

Features:
- PH drive
- Wafer head
- Sharp point
- Twin thread



Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



FSA2 Stainless Steel A2

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSA24.2X25	75440	4.2	25	11.6	25	PH2	250
FSA24.2X40	75441	4.2	40	11.6	40	PH2	250
FSA24.2X50	75442	4.2	50	11.6	50	PH2	250
FSA24.2X60	75443	4.2	60	11.6	40	PH2	250

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

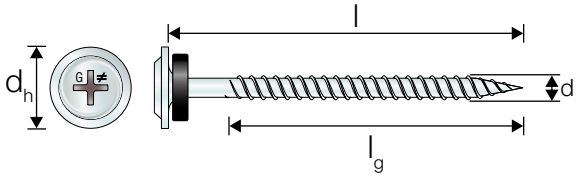
FSWA2 RIDGE TILE to Wood Screw, Washer

Ridge tiles to wood

FSWA2 screws are used to fix ridge tiles to wood battens.

Features:
- PH drive
- Wafer head
- Sharp point
- Twin thread
- EPDM-washer

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



FSWA2 Stainless Steel A2 with Washer

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSWA24.2X60	75722	4.2	60	11.6	40	PH2	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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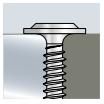
FSB Wafer Head **STEEL** Screw, Drill Point

Steel to steel, fibre cement board to steel, wood fibreboard to steel, drywall to steel

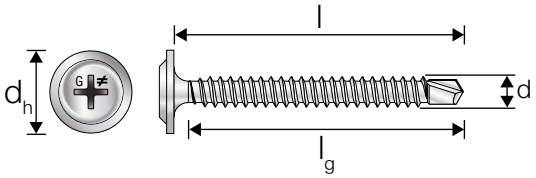
FSB screws are used to fix external board materials such as drywall and fibre cement board to steel joists up to 2.0 mm in thickness.

Features:

- PH drive
- Wafer head
- Drill point
- Metal tapping thread

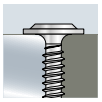


Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

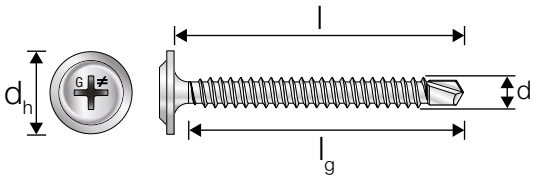


FSB Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSB4.2X13	74410	4.2	13	12	Full thread	PH2	250
FSB4.2X25	74411	4.2	25	12	Full thread	PH2	250
FSB4.2X32	75501	4.2	32	11.5	Full thread	PH2	250
FSB4.2X40	74406	4.2	40	12	Full thread	PH2	250
FSB4.2X65	74407	4.2	65	12	50	PH2	250



Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FSB Protec® Coating

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSB4.2X13	74412	4.2	13	12	Full thread	PH2	250
FSB4.2X25	74409	4.2	25	12	Full thread	PH2	250
FSB4.2X32	74408	4.2	32	12	Full thread	PH2	250

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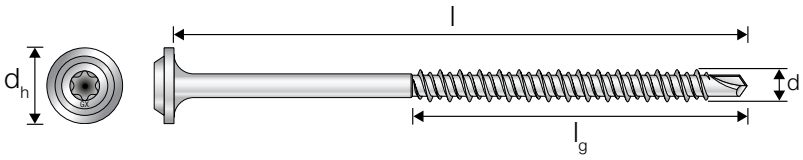
FSBZN Wafer Head **STEEL** or **WOOD** Screw, Drill Point

Steel to steel, fibre cement board to steel, wood fibreboard to steel, drywall to steel

The Impreg+ screw FSBZN has a universal design and can be used to install joists of wood and steel. The Impreg+ coating makes it suitable for both Indoor and outdoor applications.
FSBZN screws are used to fix external board materials such as drywall and fibre cement board to wood or steel joists up to 2.0 mm in thickness.

Features:
- 6 lobe drive
- Wafer head
- Drill point
- Metal tapping thread

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FSBZN Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSBZN4.8X35	75444	4.8	35	11.5	Full thread	T-25	250
FSBZN4.8X50	75445	4.8	50	11.5	40	T-25	250
FSBZN4.8X70	75446	4.8	70	11.5	45	T-25	250
FSBZN4.8X90	75447	4.8	90	11.5	54	T-25	200
FSBZN4.8X110	75448	4.8	110	11.5	60	T-25	150

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

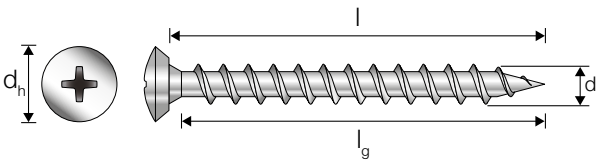
FSG Wafer Head **DRYWALL** Screw

Light fittings to drywall, towel rails to drywall, general light duty hangings

The wafer head screw for drywall board is used for fixing lighter fittings such as picture hooks and towel rails directly into drywall, without a batten base. When fixing use a screwdriver, not a electric screwdriver, due to the risk of over torque.

Features:
- PH drive
- Wafer head
- Sharp point
- Coarse thread

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FSG Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FSG4.8X25	74400	4.8	25	9	Full thread	PH2	250
FSG4.8X35	74401	4.8	35	9	Full thread	PH2	250

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SSP/FSM Steel to **STEEL** Screws

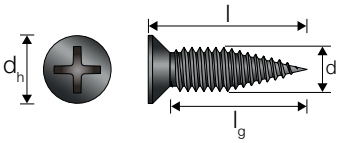
Steel to Steel

Steel profile screws which are designed for joining reinforcement beams.

Features:

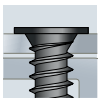
- Metal tapping thread

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

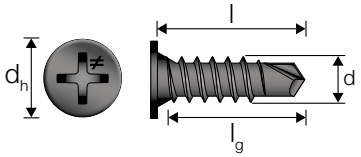


SSP Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
SSP3.9X14	74399	3.9	14	6	Full thread	2 x 0.6	PH2	500

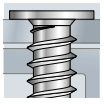


Phosphated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

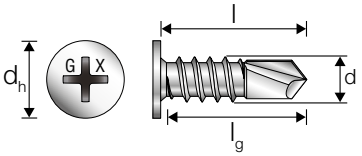


FSM Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
FSM4.2X14	74398	4.2	14	8	Full thread	2 x 1.0	PH2	500



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FSM Electro Galvanised

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
FSM4.8X16	74397	4.8	16	10	Full thread	2 x 2.0	PH2	500

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HS/HSB Steel to **STEEL** Screws

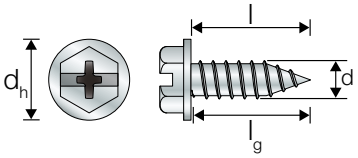
Steel to steel

Steel profile screws which are designed for joining reinforcement beams.

Features:

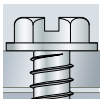
- Metal tapping thread
- Hexagonal head with PH drive

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

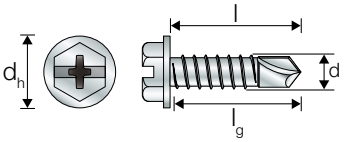


HS Electro Galvanised

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
HS4.2X13	74395	4.2	13	9	Full thread	< 1.0	1/4" + PH2	1000
HS4.2X19	74396	4.2	19	9	Full thread	< 1.0	1/4" + PH2	1000



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



HSB Electro Galvanised

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
HSB4.2X13	74392	4.2	13	9	Full thread	< 2.25	1/4" + PH2	1000
HSB4.2X19	74393	4.2	19	9	Full thread	< 2.25	1/4" + PH2	1000
HSB4.2X25	74394	4.2	25	9	Full thread	< 2.25	1/4" + PH2	1000

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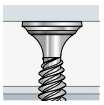
GS **DRYWALL** to Steel Screw

Drywall to steel

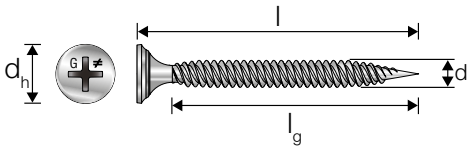
Used indoors for fixing drywall boards to steel joists with a maximum thickness of 1.0 mm. A zinc plated screw is extra sharp and thereby cuts into the base material quickly and effectively. The duplex head prevents the paper on the drywall board from tearing when fastening.

Features:

- PH drive
- Duplex head
- Sharp point
- Twin thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



GS Electro Galvanised

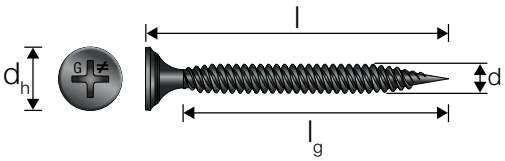
Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GS3.5X25	74316	3.5	25	8	20.5	< 1.0	PH2	1000
GS3.5X38	74317	3.5	38	8	33.5	< 1.0	PH2	1000

GS Electro Galvanised, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GS3.5X25	75714	3.5	25	8	20.5	< 1.0	PH2	1000
GS3.5X38	75713	3.5	38	8	33.5	< 1.0	PH2	1000

*) *Flat tape collated for standard auto-feed screwdrivers*

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



GS Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GS3.5X25	74342	3.5	25	8	20.5	< 1.0	PH2	1000
GS3.5X38	74343	3.5	38	8	33.5	< 1.0	PH2	1000
GS3.9X55	74345	3.9	55	8	44	< 1.0	PH2	500
GS3.9X75	74346	3.9	75	8	50	< 1.0	PH2	250

GS Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GS3.5X25	74328	3.5	25	8	20.5	< 1.0	PH2	1000
GS3.5X38	74329	3.5	38	8	33.5	< 1.0	PH2	1000
GS3.9X55	74753	3.9	55	8	44	< 1.0	PH2	1000

*) *Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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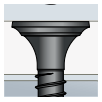
GSB/UGSB **DRYWALL** to Steel Screw, Drill Point

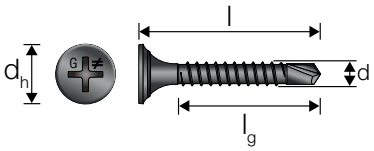
Drywall to steel

GSB is a drywall screw with drill point. Used indoors for fixing drywall boards to steel joists from 1.0 mm up to 2.0 mm. The duplex head prevents the paper on the drywall board from tearing when fastening.

Features:
- PH drive
- Duplex head
- Drill point
- Metal tapping thread



Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



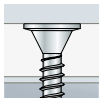
GSB Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GSB3.5X25	74314	3.5	25	8	20	1.0 < 2.0	PH2	1000
GSB3.5X40	74313	3.5	40	8	33	1.0 < 2.0	PH2	1000
GSB3.9X48	74315	3.9	48	8	41	1.0 < 2.0	PH2	500
GSB4.2X75	74295	4.2	75	8	68	1.0 < 2.0	PH2	250

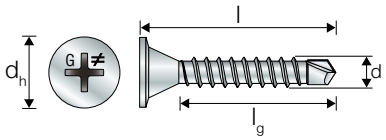
GSB Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
GSB3.5X25	74310	3.5	25	8	20	1.0 < 2.0	PH2	1000
GSB3.5X40	74311	3.5	40	8	33	1.0 < 2.0	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*



Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



UGSB Protec®

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
UGSB3.9X25	74312	3.9	25	9	Full thread	< 2.0	PH2	250
UGSB3.9X25	75499	3.9	25	8.9	Full thread	< 2.0	PH2	1000

UGSB Protec®, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
UGSB3.9X25	74309	3.9	25	9	Full thread	< 2.0	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Drywall Screws

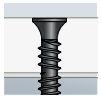
RST **HARD-DRYWALL** to Steel Screw

Hard drywall/plasterboard to steel

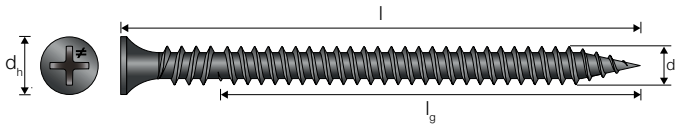
RST screws are used indoors for fixing hard drywall boards to steel joists with a maximum thickness of 1.0 mm. The design of the screw with reverse threads removes enough plaster for the head to become properly countersunk in the board.

Features:

- PH drive
- Reduced bugle head
- Sharp point
- Twin thread with reverse thread



Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



RST Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
RST3.9X32	77060	3.9	32	7	20	< 1.0	PH2	250
RST3.9X32	74318	3.9	32	7	20	< 1.0	PH2	1000
RST3.9X41	74319	3.9	41	7	29	< 1.0	PH2	1000
RST4.2X57	74320	4.2	57	7	45	< 1.0	PH2	250

RST Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
RST3.9X25	74321	3.9	25	7	13	< 1.0	PH2	1000
RST3.9X32	74322	3.9	32	7	20	< 1.0	PH2	1000
RST3.9X41	74323	3.9	41	7	29	< 1.0	PH2	1000
RST4.2X57	74324	4.2	55	7	45	< 1.0	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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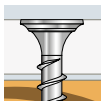
GT **DRYWALL** to Wood Screw

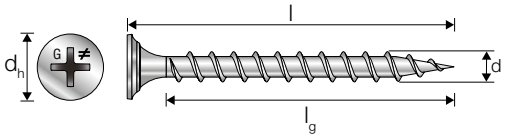
Drywall to wood

GT drywall to wood screws are used indoors for fixing drywall boards to wood battens. The duplex head prevents the paper on the plasterboard from tearing when fastening.

Features:
- PH drive
- Duplex head
- Sharp point
- Coarse thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



GT Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GT3.9X30	75334	3.9	30	8	Full thread	PH2	100
GT3.9X30	74349	3.9	30	8	Full thread	PH2	1000
GT3.9X30	75332	3.9	30	8	Full thread	PH2	3000
GT3.9X40	75335	3.9	40	8	Full thread	PH2	100
GT3.9X40	74351	3.9	40	8	Full thread	PH2	1000
GT3.9X40	75333	3.9	40	8	Full thread	PH2	2000
GT3.9X55	74367	3.9	55	8	43	PH2	500
GT3.9X75	74368	3.9	75	8	49	PH2	250

GT Electro Galvanised, Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GT3.9X30	74347	3.9	30	8	Full thread	PH2	1000
GT3.9X40	74348	3.9	40	8	Full thread	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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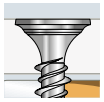
GK **DRYWALL** to Wood or Steel Screw

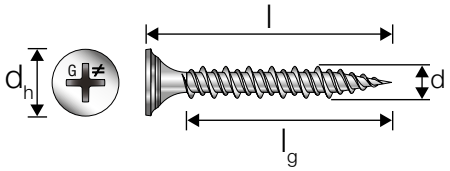
Drywall to wood, drywall to steel

GK drywall screws are used indoors for fixing drywall boards to wood battens and steel joists with a maximum thickness of 1.0 mm.
The duplex head prevents the paper on the plasterboard from tearing when fastening.

Features:
- PH drive
- Duplex head
- Sharp point
- High-low thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



GK Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GK3.9X30	74299	3.9	30	8	Full thread	PH2	1000
GK3.9X30	75336	3.9	30	8	Full thread	PH2	3000
GK3.9X40	74301	3.9	40	8	Full thread	PH2	1000
GK3.9X40	75337	3.9	40	8	Full thread	PH2	2000
GK3.9X55	74303	3.9	55	8	43	PH2	500

GK Electro Galvanised, Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GK3.9X30	74296	3.9	30	8	Full thread	PH2	1000
GK3.9X40	74297	3.9	40	8	Full thread	PH2	1000
GK3.9X55	74298	3.9	55	8	Full thread	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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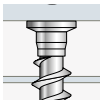
GG **DRYWALL** to Drywall Screw

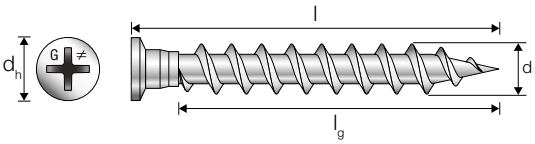
Drywall to drywall

The GG drywall to drywall screw is used indoors for mounting drywall boards on drywall ceilings or walls. Typically used for fixing extra layers of drywall without knowing the sub-frame.

Features:
- PH drive
- Minimal flat head
- Sharp point
- Coarse thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



GG Electro Galvanised

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
GG5.2X38	74327	5.2	38	6	Full thread	PH2	500

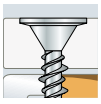
For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

UGTS **EXTERIOR-DRYWALL** to Steel or Wood Screw

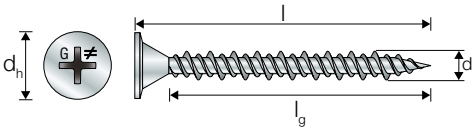
Exterior drywall and wind boards to wood, Exterior drywall and wind boards to steel

UGTS screws are used for fixing exterior sheathing to wood battens and steel joists of 1.0 mm maximum thickness. The head is designed to meet the requirements of fitting exterior drywall boards.

Features:
- PH drive
- Extended bugle head
- Sharp point
- High-low thread



Protec® +
C3 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



UGTS Protec®+ Coating

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
UGTS3.9X30	74307	3.9	30	9	Full thread	< 1.0	PH2	250

UGTS Protec®+ Coating, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
UGTS3.9X30	74305	3.9	30	9	Full thread	< 1.0	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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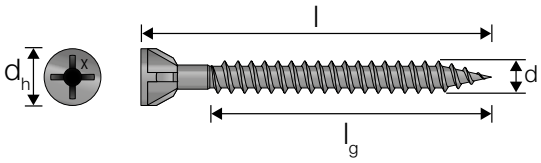
FBCS **FIBRE CEMENT** Screw

Fibre cement to steel or wood

FBCS screws are used in humid conditions both indoor and outdoor. They are particularly suited for fixing fibre cement boards to wood or steel joists with a maximum thickness of 1.0 mm.

Features:
- PH drive
- Countersunk head with ribs
- Sharp point

Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FBCS Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FBCS3.9X25	75453	3.9	25	6.8	18	PH2	250
FBCS3.9X35	75454	3.9	35	6.8	28	PH2	250

FBCS Impreg®+ Coating, Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FBCS3.9X25	75719	3.9	25	6.8	18	PH2	1000
FBCS3.9X35	75720	3.9	35	6.8	28	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*
Also available Quik Drive collated

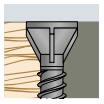
For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

FBCB **FIBRE CEMENT** Screw, Drillpoint

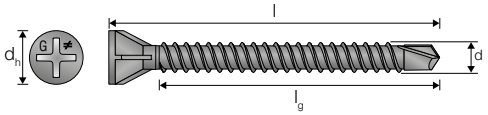
Fibre cement to steel

FBCB screws are used in humid conditions both indoor and outdoor. They are particularly suited for fixing fibre cement boards to steel joists with a maximum thickness of 2.0 mm.

Features:
- PH drive
- Countersunk head with ribs
- Drill point



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FBCB Impreg®+ Coating

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FBCB3.9X25	75456	3.9	25	6.8	Full thread	PH2	250
FBCB3.9X35	75457	3.9	35	6.8	Full thread	PH2	250

FBCB Impreg®+ Coating, Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
FBCB3.9X25	75721	3.9	25	6.8	Full thread	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*
Also available Quik Drive collated

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Board Screws

TS/TSB/TSBW **WOOD FIBRE** to Steel Screw

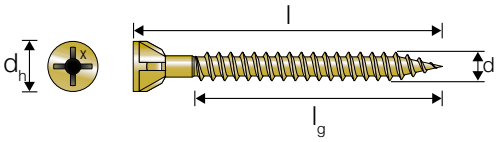
Wood fibreboard to steel

TS, TSB and TSBW screws are used indoors for fixing mouldings, OSB, chipboard and plywood to steel. The wood fibreboard screws have ribs under the head for effective countersinking in the base material, and twin thread for fast speed.

Features:

- PH drive
- Countersunk head with ribs
- Sharp point / drill point
- Twin thread

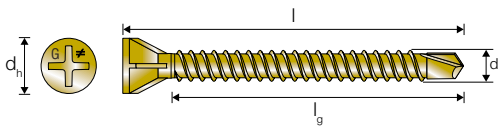
Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



TS Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
TS3.9X28	75495	3.9	28	6.8	23	< 1.0	PH2	500
TS3.9X42	75496	3.9	42	6.8	34	< 1.0	PH2	500
TS3.9X57	75497	3.9	57	6.8	45	< 1.0	PH2	250

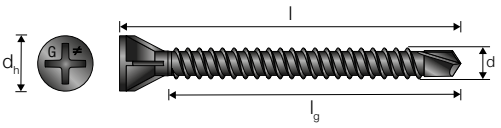
Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



TSB Yellow Zinc Plated, Drill point

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
TSB3.9X28	74276	3.9	28	7	Full thread	< 2.0	PH2	500
TSB3.9X42	74277	3.9	42	7	Full thread	< 2.0	PH2	500
TSB3.9X57	74278	3.9	57	7	50	< 2.0	PH2	250

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



TSBW Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
TSBW3.9X28	75717	3.9	28	6.8	Full thread	< 2.5	PH2	1000
TSBW3.9X42	75718	3.9	42	6.8	Full thread	< 2.5	PH2	1000

*) *Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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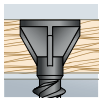
TT **WOOD FIBRE** to Steel Screw

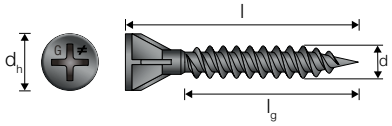
Wood fibreboard to steel

The TT wood fibreboard screws are used indoors for fastening OSB, chipboard and plywood to substrates made of steel with a maximum thickness of 1.0 mm. The sharp point efficiently penetrates the substrate, and the twin thread enables a quick mounting.

Features:
- PH drive
- Countersunk head with ribs
- Sharp point
- Twin thread



Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



TT Phosphated

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
TT3.9X28	74391	3.9	28	7	23	< 1.0	PH2	500

TT Phosphated, Collated*)

Model No.	Item code	Dimensions [mm]				Steel Thickness [mm]	Bit	
		d	l	d_h	l_g			
TT3.9X28	74390	3.9	28	7	23	< 1.0	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

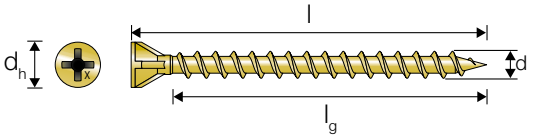
TTFF **WOOD FIBRE** to Wood Screw

Wood fibreboard to wood

TTFF screws are used indoors for fixing mouldings, OSB, chipboard and plywood to wood. The wood fibreboard screw has ribs under the head for effective countersinking in the base material. It has a coarse thread made for wood substrates.

Features:
- PH drive
- Countersunk head with ribs
- Sharp point
- Coarse thread

Yellow Zinc Plated
C2 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



TTFF Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TTFF4.2X55	75498	4.2	55	7	Full thread	PH2	250

TTFF Yellow Zinc Plated, Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TTFF4.2X55	75727	4.2	55	7	Full thread	PH2	1000

**) Flat tape collated for standard auto-feed screwdrivers*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Board Screws

TTF **WOOD FIBRE** to Wood Screw

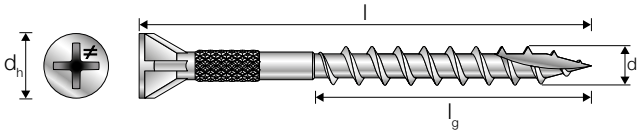
Fibreboards to wood, chipboard to wood, plywood to wood, OSB to wood

The TTF wood fibreboard screw is used indoors for fastening OSB, chipboard and plywood to wood battens.
The screws have cutpoint, which effectively drives the screws into hardwood.

Features:

- Countersunk with ribs
- Coarse thread
- Type 17 point

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



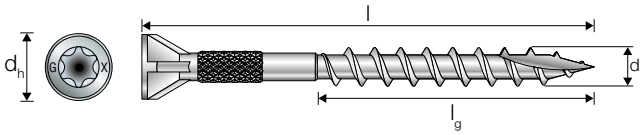
TTF Electro Galvanised, PH drive

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TTF4.2X28	75339	4.2	28	7	18	PH2	500
TTF4.2X35	75340	4.2	35	7	21	PH2	250
TTF4.2X45	75341	4.2	45	7	27	PH2	250
TTF4.2X45	75342	4.2	45	7	27	PH2	500
TTF4.2X55	75343	4.2	55	7	30	PH2	250
TTF4.2X55	75344	4.2	55	7	30	PH2	500
TTF4.2X55	75338	4.2	55	7	30	PH2	1250
TTF4.2X75	75345	4.2	75	7	42	PH2	250

TTF Electro Galvanised, PH drive Collated*)

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TTF4.2X35	74279	4.2	35	7	21	PH2	1000
TTF4.2X45	74280	4.2	45	7	27	PH2	1000
TTF4.2X50	74281	4.2	50	7	30	PH2	1000

*) *Flat tape collated for standard auto-feed screwdrivers*



TTF Electro Galvanised, 6 lobe drive

Model No.	Item code	Dimensions [mm]				Bit	
		d	l	d_h	l_g		
TTF4.2X35*)	74282	4.2	35	7	21	T-20	250
TTF4.2X45*)	74283	4.2	45	7	27	T-20	250
TTF4.2X55*)	74284	4.2	55	7	30	T-20	250
TTF4.2X75	74285	4.2	75	7	42	T-20	250

*) *Available as collated screws for the Quik Drive® system, see page 182.*

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Board Screws

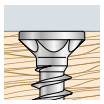
TTFK **CHIPBOARD** Screw

Chipboard to wood, plywood to wood, OSB and MDF board to wood

The TTFK wood fibre to wood screw is used indoors and is designed and intended for fastening wood based boards such as chipboard, MDF, laminated boards and assembly of kitchen cabinets.

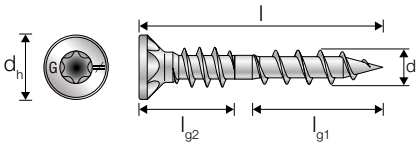
Features:

- Double thread which pulls the boards together
- T-20 6-lobe drive
- Sharp point



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

NEW



TTFK Electro Galvanised

Model No.	Item code	Dimensions [mm]					Bit	
		d	l	d_h	l_{g1}	l_{g2}		
TTFK4.0x28	76768	4.0	28	7.7	15.0	10.2	T-20	500
TTFK4.0x30	76773	4.0	30	7.7	15.0	11.5	T-20	500
TTFK4.0x35	76777	4.0	35	7.7	15.0	11.5	T-20	500
TTFK4.0x40	76779	4.0	40	7.7	23.0	11.5	T-20	500

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Parts and Accessories

Bits

Model No.	Item code	Bit Type	l	
BITSPH2	75697	PH2	25	5
BITST10	75698	T-10	25	5
BITST15	75699	T-15	25	5
BITST20	75700	T-20	25	5
BITST25	75701	T-25	25	5
BITST30	75702	T-30	25	5
BITST40	75703	T-40	25	5
BITS#1	75695	Square #1	25	5
BITS#2	75696	Square #2	25	5
BIT2S-2-R2	BIT2S-2-RC3	Square #2	50	2
BIT2SU-2-RC3	BIT2SU-2-RC3	Square #U2	50	3
BIT3S-2-R2	BIT3S-2-RC3	Square #3	50	2
BIT3SU-2-RC3	BIT3SU-2-RC3	Square #U3	50	3

Nutsetters

Model No.	Item code	Bit Type	l	
BITSM8	75832	M8	Non-magnetic	1
BITSM8M	75833	M8	Magnetic	1

Tools

Model No.	Item code	Description	
DBWOODDSPRO	DBWOODDSPRO	Step-drill / pre-drilling tool	1
GSCREW	GSCREW4560-R	Installation guide (for right handed installers)	-
	GSCREW4560-L	Installation guide (for left handed installers)	-

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The strength of the system

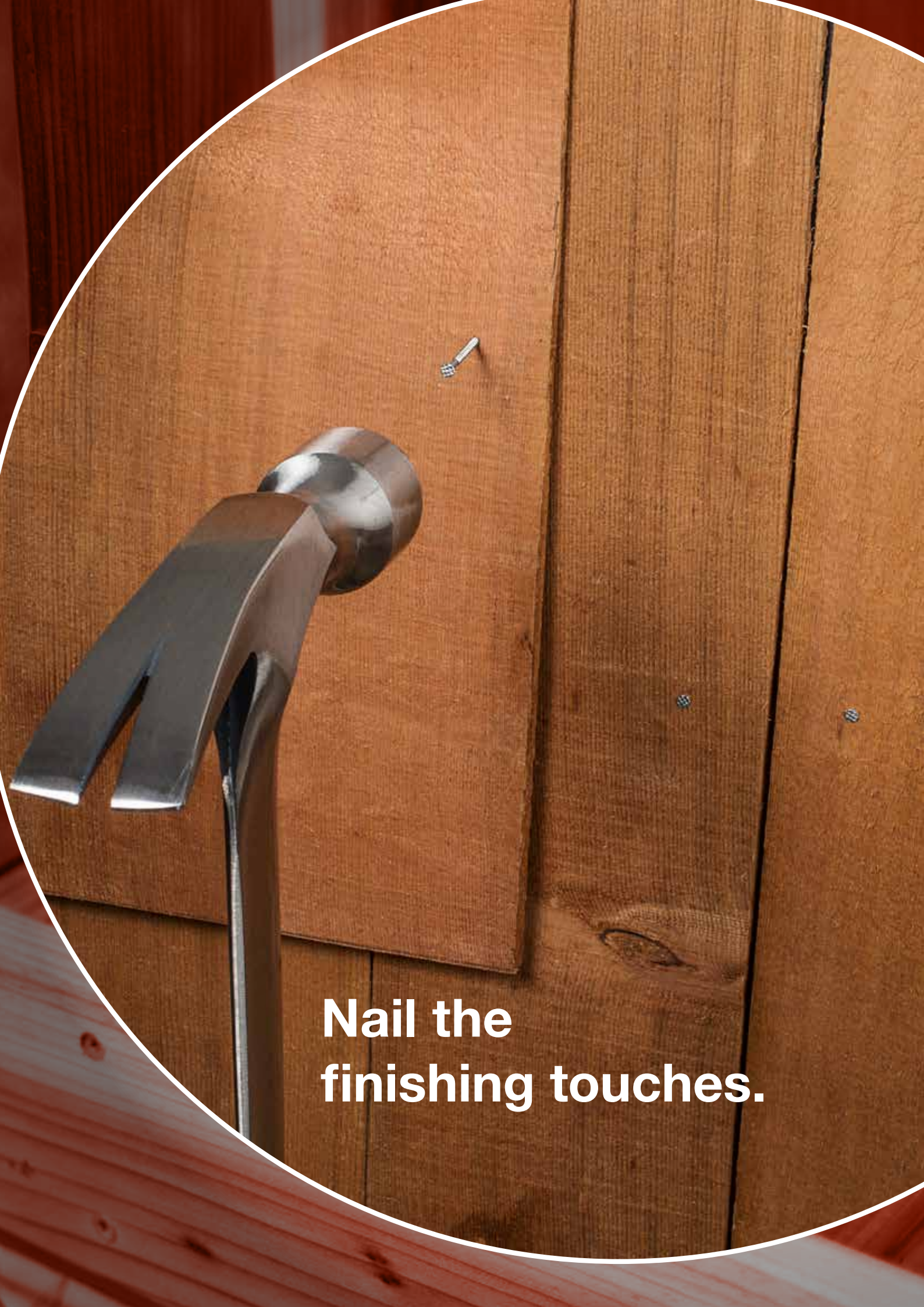
The best partners for installing our connectors are our fasteners

Simpson Strong-Tie offers a complete line of structural screws and nails designed and tested for use with our connectors to help you build safe, strong wood-frame structures. Our complete connector and fastener system includes our high quality standard, customer-focused service and product availability through local distribution networks.

To learn more, visit **strongtie.eu**

SIMPSON
Strong-Tie®

Always use Simpson Strong-Tie **FASTENERS** to install Simpson Strong-Tie **CONNECTORS** ≠ **There is no equal**


Nail the
finishing touches.

Nails

Connector Nails
CNA CONNECTOR Nail. 216
N3.75 SQUARE TWIST Nail. 217

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SPKEZ/SPKC GROOVED-SHANK WOOD Nail 218
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ARA2/ARA2C RING-SHANK WOOD Nail 222
ARA4 RING-SHANK WOOD Nail, Stainless A4 223
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PAPP ROUND-SHANK CLOUT Nail, Outdoor 233
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PAPPA4 ROUND-SHANK CLOUT Nail 234

Hook Nails and Staples
LHN GROOVED HOOK Nail 234
CEZ Staple. 235
CHG Staple, Outdoor 235

Solid-Drive™ CNA CONNECTOR Nail

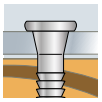
Simpson Strong-Tie Connectors to Wood

The Solid-Drive CNA connector nail, which is supplied in many different lengths and sizes, loose and collated, is a fully documented ETA-approved fastener used for installing metal connectors to wood. Guaranteed load bearing capacities when using CNA nails to install Simpson Strong-Tie connectors.

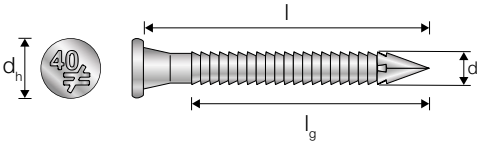
CNA is available in a variety of different collations and is compatible with many pneumatic and gas-driven tools on the market. The collated nails are available as 34° plastic collated and 34° paper collated as well as 15° plastic coil collated.

Features:

- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under the head for maximum fit in metal holes
- Length identification on head makes it easy to audit after installation
- Ring-shank increases the pull-out resistance
- Available in different types of collations



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

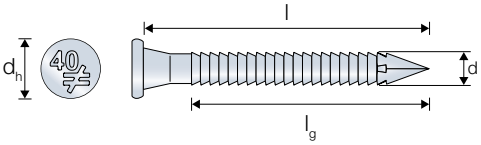


CNA Electro Galvanised

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
CNA3.1X40	3.1	40	6.2	30.0	500
CNA3.1X60	3.1	60	6.2	50.0	250
CNA3.7X50	3.7	50	7.4	40.0	250
CNA4.0X35*	4.0	35	7.0	26.0	250
CNA4.0X35-HV	4.0	35	7.0	26.0	1500
CNA4.0x40*	4.0	40	7.0	31.0	250
CNA4.0X40-FR	4.0	40	7.0	31.0	1500
CNA4.0X50*	4.0	50	7.0	41.0	250
CNA4.0X50-HV	4.0	50	7.0	41.0	1500
CNA4.0X60*	4.0	60	7.0	51.0	250
CNA4.0X60-HV	4.0	60	7.0	51.0	1000
CNA4.0X75	4.0	75	7.0	66.0	250
CNA4.0X75-HV	4.0	75	7.0	66.0	1000
CNA4.0X100	4.0	100	7.0	70.0	100
CNA6.0X60	6.0	60	12.0	50.0	100
CNA6.0X80	6.0	80	12.0	70.0	100
CNA6.0X100	6.0	100	12.0	70.0	100

* Available as a collated nail for standard pneumatic tools. See more in the 'Collated Nails and Staples' section.

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CNA-G Hot-Dip Galvanised

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
CNA4.0X40G*	4.0	40	7.0	30.0	250

* Available as a collated nail for standard pneumatic tools. See more in the 'Collated Nails and Staples' section.

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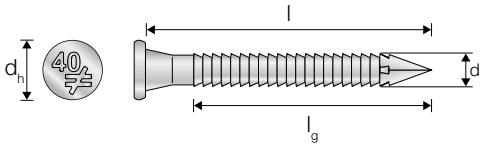
Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CNA-S Stainless Steel A4

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
CNA4.0X35S-HV	4.0	35	8.0	25.0	1500
CNA4.0X40S	4.0	40	8.0	30.0	250
CNA4.0X50S	4.0	50	8.0	40.0	250
CNA4.0X50S-HV	4.0	50	8.0	40.0	1500
CNA4.0X60S	4.0	60	8.0	50.0	250
CNA6.0X60S	6.0	60	12.0	50.0	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

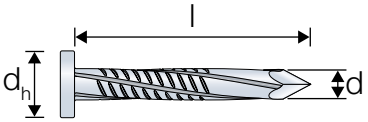
N3.75 **SQUARE TWIST** Nail

Simpson Strong-Tie Connectors to Wood

N3.75 square twist nails are tested and approved for use when installing Simpson Strong-Tie connectors including joist hangers, brackets and straps. CE marked to EN14592.

Features:
- Square twist profile

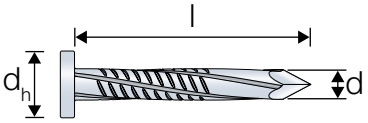
Sheradised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



N3.75-SH Sheradised

Model No.	Dimensions [mm]			
	d	l	d_h	
N3.75X30SH/1KG	3.75	30	8.0	370
N3.75X30SH/2.5KG	3.75	30	8.0	925
N3.75X30SH/5KG	3.75	30	8.0	1850
N3.75X30SH/25KG	3.75	30	8.0	9250

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



N3.75-G Hot-Dip Galvanised

Model No.	Dimensions [mm]			
	d	l	d_h	
N3.75X30G/1KG	3.75	30	8.0	350
N3.75X30G/2.5KG	3.75	30	8.0	880
N3.75X30G/5KG	3.75	30	8.0	1760
N3.75X30G/25KG	3.75	30	8.0	8780

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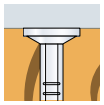
SPKEZ/SPKC **GROOVED-SHANK WOOD** Nail

Wood to Wood

Nail with low oval head and grooved shank for use indoors to fix pre-painted fine joinery to wood, such as when fixing mouldings.

Features:

- Flat head
- Grooved shank



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

SPKEZ Electro Galvanized

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
SPKEZ1.2X20	74179	1.2	20	3.0	1000
SPKEZ1.4X25	74180	1.4	25	3.5	1000
SPKEZ1.4X30	74181	1.4	30	3.5	1000
SPKEZ1.7X35	74182	1.7	35	4.3	1000

NCS 0502-Y

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

SPKC Electro Galvanised + Lacqured NCS 0502-Y

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
SPKC1.7X40	74183	1.7	40	4.3	1000
SPKC2.0X50	74184	2.0	50	5.0	500

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FIRKU **GROOVED-SHANK WOOD** Nail

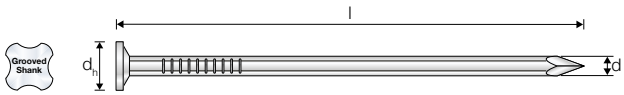
Wood to Wood

A nail with flat head and grooved shank for use indoors and in dry environments for nailing wood structures, such as temporary building structures and formwork.

Features:

- Steel quality: C9D or C10D
- Approx. 25% higher withdrawal strength compared to round nails
- Easy to adjust, even if bending has occurred during installation

Bright Steel
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



FIRKU Bright (Uncoated)

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
FIRKU1.8X35*	74694	1.8	35	4.5	1000
FIRKU2.0X40	74695	2.0	40	5.0	500
NEW FIRKU2.0X50	77264	2.0	50	5.0	1500
FIRKU2.2X45	74691	2.2	45	5.3	500
NEW FIRKU2.2X55	77265	2.2	55	5.3	1250
FIRKU2.3x60	75002	2.3	60	5.4	2305
FIRKU2.5X55	74696	2.5	55	6.0	500
NEW FIRKU2.5X65	77266	2.5	65	6.0	750
FIRKU2.8X65	74697	2.8	65	6.4	250
NEW FIRKU2.8X75	77267	2.8	75	6.4	500
FIRKU3.1X75	75003	3.1	75	7.3	1010
FIRKU3.1X80	74698	3.1	80	7.3	250
FIRKU3.4X90	74699	3.4	90	7.8	250
FIRKU3.4X90	75004	3.4	90	7.8	710
NEW FIRKU3.4X95	77268	3.4	95	7.8	250
FIRKU3.8X100	74700	3.8	100	9.0	250
FIRKU3.8X100	75005	3.8	100	9.0	540
FIRKU4.3X125	75006	4.3	125	10.2	325
FIRKU4.6X130	74701	4.6	130	11.0	160
FIRKU5.1X140	75007	5.1	140	12.2	210
FIRKU5.5X160	74702	5.5	160	13.2	110
FIRKU5.5X180	75008	5.5	180	13.2	145
FIRKU6.0X180	74590	6.0	180	14.5	100
FIRKU7.0X210	74567	7.0	210	17.0	60
FIRKU7.0X260	74569	7.0	260	17.0	60

* Not covered by CE marking

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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FIRKG **GROOVED-SHANK WOOD** Nail

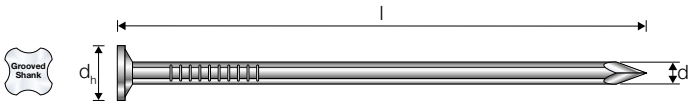
Wood to Wood

Grooved nails are used in most wood to wood nail assemblies due to high strength in shear.

Features:

- Galvanised steel, zinc thickness = min. 50 µm
- Approx. 25% higher withdrawal strength compared to round nails
- Easy to adjust even if bending has occured during installation

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



FIRKG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
NEW FIRKG1.4X25*	77269	1.4	25	3.5	2000
NEW FIRKG1.7X30*	77270	1.7	30	4.2	1000
NEW FIRKG1.7X35*	77273	1.7	35	4.2	1000
NEW FIRKG1.7X40*	77274	1.7	40	4.2	1000
FIRKG1.8X35*	74692	1.8	35	4.2	1000
FIRKG2.0X40	74706	2.0	40	5.0	500
NEW FIRKG2.0X50	77275	2.0	50	5.0	500
FIRKG2.0X50	75582	2.0	50	5.0	1500
FIRKG2.0X50	75009	2.0	50	5.0	3280
FIRKG2.2X45	74707	2.2	45	5.3	500
FIRKG2.2X55	75602	2.2	55	5.3	1250
FIRKG2.3X60	75010	2.3	60	5.4	2090
FIRKG2.5X55	74708	2.5	55	6.0	500
NEW FIRKG2.5X65	77276	2.5	65	6.0	250
FIRKG2.5X65	75603	2.5	65	6.0	750
FIRKG2.8X65	74709	2.8	65	6.4	250
NEW FIRKG2.8X75	77277	2.8	75	6.4	250
FIRKG2.8X75	75604	2.8	75	6.4	500
NEW FIRKG2.8X90	77278	2.8	90	6.4	250
NEW FIRKG2.8X90	75587	2.8	90	6.4	500
FIRKG3.1X75	75011	3.1	75	7.3	920
FIRKG3.1X80	74710	3.1	80	7.3	250
FIRKG3.4X90	74711	3.4	90	7.8	250
FIRKG3.4X90	75012	3.4	90	7.8	645
FIRKG3.4X95	75605	3.4	95	7.8	250
NEW FIRKG3.4X125	75802	3.4	125	7.8	250
NEW FIRKG3.7X100	75013	3.8	100	9.0	490
FIRKG3.8X100	74712	3.8	100	9.0	250
FIRKG4.0X125	77053	4.0	125	9.7	200
FIRKG4.2X125	75590	4.2	125	10.2	150
FIRKG4.3X125	75015	4.3	125	10.2	295
FIRKG4.6X130	74713	4.6	130	11.0	160
FIRKG4.8X150	75591	4.8	150	10.0	100
FIRKG5.1X140	75016	5.1	140	12.2	195
FIRKG5.1X150	75607	5.1	150	12.2	100
FIRKG5.1X150	75017	5.1	150	12.2	180
FIRKG5.1X160	75018	5.1	160	12.2	170

* Not covered by CE marking

Table continues on next page.

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FIRKG Hot-Dip Galvanised (continued)

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
FIRKG5.5X160	74693	5.5	160	13.2	70
NEW FIRKG5.5X175	77280	5.5	175	13.2	70
FIRKG5.5X180	75019	5.5	180	13.2	130
FIRKG5.5X210	75021	5.5	210	13.2	110
FIRKG6.0X180	74566	6.0	180	14.5	100
NEW FIRKG6.0X200	77281	6.0	200	14.5	60
FIRKG6.0X200	75020	6.0	200	14.5	100
FIRKG7.0X210	74568	7.0	210	17.0	60
FIRKG7.0X225	75022	7.0	225	17.0	65
FIRKG7.0X250	75023	7.0	250	17.0	60
FIRKG7.0X260	74570	7.0	260	17.0	60
FIRKG7.0X275	75024	7.0	275	17.0	55
FIRKG8.0X300	75025	8.0	300	19.5	35
FIRKG8.0X330	75026	8.0	300	19.5	35

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

FIRKS **GROOVED-SHANK WOOD** Nail, Stainless A4

CE

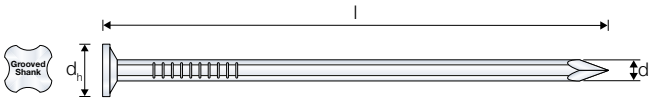
Wood to Wood

Grooved nails are used in most wood to wood nail assemblies due to high strength in shear.

Features:

- Approx. 25% higher withdrawal strength compared to round nails
- Easy to adjust even though the bending has accurred during installation

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



FIRKS Stainless Steel A4

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
FIRKS2.0X50*	75681	2.0	50	5.0	500
FIRKS2.3X60	74189	2.3	60	5.4	500
FIRKS2.8X75	74190	2.8	75	6.4	250
FIRKS3.4X100	74149	3.4	100	7.8	250

* Not CE marked

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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ARA2/ARA2C **RING-SHANK WOOD** Nail

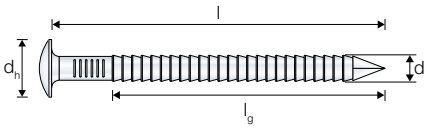
Wood to Wood

A2 grade stainless steel ring shank nails can be installed in outdoor environments. Used where high withdrawal strength is required. A common use is in the construction of jetties, thanks to the nail's corrosion resistance.

Features:

- Low oval head
- Ring shank

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX

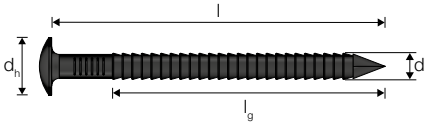


ARA2 Stainless Steel A2

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
ARA22.3X35	75031	2.3	35	5.5	27	1000
ARA22.3X45	75032	2.3	45	5.5	32	665
ARA22.3X50	75033	2.3	50	5.5	38	600
ARA23.1X75	74218	3.1	75	7.5	46	250

NCS 9000

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX

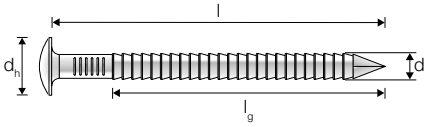


ARA2C Stainless Steel A2 + Painted NCS 9000

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
ARA2C2.3X35	75618	2.3	35	5.5	27	500

NCS 0502-Y

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



ARA2C Stainless Steel A2 + Painted NCS 0502-Y

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
ARA2C2.3X35	75617	2.3	35	5.5	27	500

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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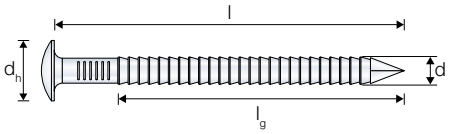
ARA4 **RING-SHANK WOOD** Nail, Stainless A4

Wood to Wood

This ring shank nail with its low oval head is used to fix wood components to wood, where high withdrawal strength is required. Grade A4 stainless steel can withstand severe outdoor environments.

Features:
- Low oval head
- Ring shank

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



ARA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
ARA41.9X20*	74219	1.9	20	4.8	15	1000
ARA41.9X25*	74220	1.9	25	4.8	20	1000
ARA41.9X30*	74221	1.9	30	4.8	25	1000
ARA41.9X35*	74222	1.9	35	4.8	30	1000
ARA42.3X35	74223	2.3	35	5.5	27	1000
ARA42.3X45	74224	2.3	45	5.5	32	500
ARA42.3X50	74225	2.3	50	5.5	37	500
ARA42.3X50	75027	2.3	50	5.7	37	1800
ARA42.5X60	74226	2.5	60	5.7	42	250
ARA42.5X60	75028	2.5	60	6.1	42	1275
ARA43.1X75	74227	3.1	75	7.5	46	250

* Not CE marked

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

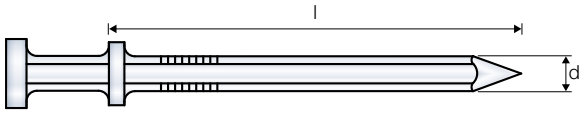
ENTS **DUPLEX-HEAD WOOD** Nail

Temporary Wood to Wood, Formwork

A nail with duplex head for use indoors and in dry environments for nailing wood structures. Suitable for use on formwork and temporary structures during construction work.

Features:
- Steel quality: S235JR acc. to EN 10025:2004
- Bright steel

Bright Steel
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



ENTS Bright (Uncoated)

Model No.	Item code	Dimensions [mm]		
		d	l	
ENTS3.4x65U	75599	3.4	65	500
ENTS3.4X75U	74591	3.4	75	250
ENTS3.4x75U	75600	3.4	75	500
ENTS3.4X90U	74592	3.4	90	220
ENTS3.4x100U	75598	3.4	100	250
ENTS3.7X100U	74593	3.7	100	190

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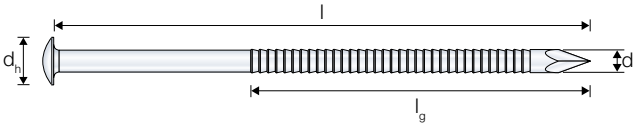
MKSA4 **RING-SHANK BRICK** or **WOOD** Nail

Brick to Wood, Wood to Wood

This ring shank nail in stainless steel can withstand rain and aggressive environments. Used where high withdrawal strength is required. A common use is in the construction of jetties, thanks to the nail's corrosion resistance. When laying a brick facade the joins are anchored to an existing cross-wall up to 6 m.

Features:
- Ring shank
- High withdrawal strength

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



MKSA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
MKSA44.0X100	74229	4.0	100	8.5	50	100
MKSA44.0X125	74230	4.0	125	8.5	50	100
MKSA44.0X145	74231	4.0	145	8.5	50	100
MKSA44.0X175	74232	4.0	175	8.5	50	100
MKSA44.0X200	74233	4.0	200	8.5	50	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

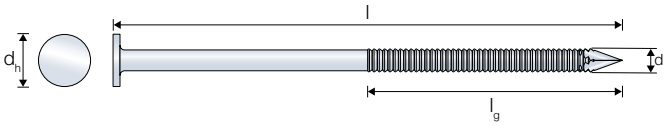
BN **BATTEN** Nail

Wood to wood, Used especially to fix laths to additional construction

Batten nails are round threaded nails with a diameter of 4.5 mm. Batten nails come in lengths of 90, 110 and 130 mm with identical length of thread = 55 mm. The nails are suitable for wood to wood applications.

Features:
- Flat head
- Ring shank

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



BN Hot-Dip Galvanised

Model No.	Dimensions [mm]				
	d	d_h	l	l_g	
BN4.5X90	4.5	11.3	90	60	100
BN4.5X110G	4.5	11.3	110	60	100
BN4.5X130G	4.5	11.3	130	60	100

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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BRDEZ/BRDC/BRDHG **GROOVED-SHANK COUNTERSUNK WOOD** Nail

Wood to Wood

Nail with countersunk head and grooved shank, suitable for indoor use, fitting mouldings or fixing hardwood and semi-hardwood boards to a wood base. Particularly suited for use where the head should be countersunk, so that the nail is concealed.

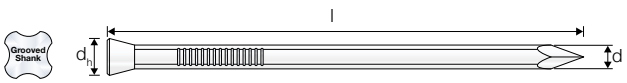
Features:
- Countersunk head
- Grooved shank

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

BRDEZ Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BRDEZ1.2X20	74196	1.2	20	1.9	1000
BRDEZ1.4X25	74197	1.4	25	2.2	1000
BRDEZ1.7X30	75685	1,7	30	2.7	1000
BRDEZ1.7X35	74198	1.7	35	2.7	1000
BRDEZ1.7X40	74199	1.7	40	2.7	1000
BRDEZ1.7X50	74200	1.7	50	2.7	1000
BRDEZ2.0X40	75686	2.0	40	3.2	500
BRDEZ2.0x50	74201	2.0	50	3.2	500

Lacquered Steel



BRDC Lacquered

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BRDC1.4X25	74202	1.4	25	2.2	1000
BRDC1.7X35	74203	1.7	35	2.7	1000
BRDC1.7X40	74204	1.7	40	2.7	1000
BRDC2.0X50	74205	2.0	50	3.2	500
BRDC2.3X60	74206	2.3	60	3.7	500

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5

BRDHG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BRDHG1.7X30	75595	1,7	30	2.7	1000
BRDHG1.7X35	74207	1.7	35	2.7	1000
BRDHG1.7X40	74208	1.7	40	2.7	1000
BRDHG1.7X50	75596	1,7	50	2.7	500
BRDHG2.0X40	75597	2.0	40	3.2	500
BRDHG2.0X50	74209	2.0	50	3.2	500
BRDHG2.3X60	74210	2.3	60	3.7	500
BRDHG2.8X75	74211	2.8	75	4.5	250

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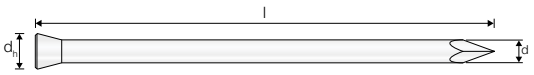
ODYK **ROUND-SHANK WOOD** Nail

Wood to Wood

A round shank nail with a countersunk head suitable for indoor use, fixing mouldings to a wood base.

Features:
- Steel quality: S235JR acc. to EN 10025:2004

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



ODYK Electro Galvanised

Model No.	Item code	Dimensions [mm]		
		d	l	
ODYK1.2X20	74594	1.2	20	1000
ODYK1.2X25	74721	1.2	25	1000
ODYK1.4X35	74722	1.4	35	1000
ODYK1.6X40	74723	1.6	40	1000

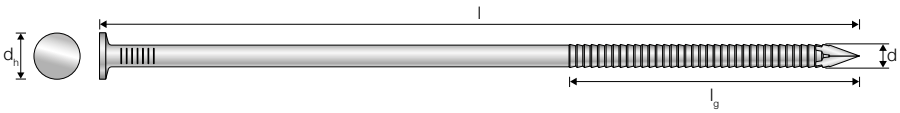
SN **RING-SHANK WOOD** Nail

Wood to Wood

This ring shank nail with its low oval head and ring shank is used to fix wood components to wood, where high withdrawal strength is required.

Features:
- Low oval head
- Ring shank
- Headstamp with length

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



SN Electro Galvanised

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
SN6.0X80-DE	6.0	80	12.8	52	100
SN6.0X110-DE	6.0	110	12.8	72	100
SN6.0X150-DE	6.0	150	12.8	72	100
SN6.0X180-DE	6.0	180	12.8	72	50
SN6.0X210-DE	6.0	210	12.8	72	50
SN6.0X230-DE	6.0	230	12.8	72	50
SN6.0X260-DE	6.0	260	12.8	72	50
SN6.0X280-DE	6.0	280	12.8	72	50
SN6.0X300-DE	6.0	300	12.8	72	50
SN6.0X330-DE	6.0	330	12.8	72	50
SN6.0X350-DE	6.0	350	12.8	72	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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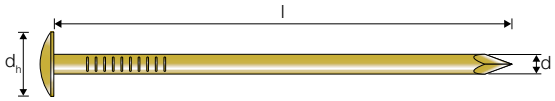
BRN **ROUND-SHANK WOOD** Nail, Brass

Wood to Wood

Brass nail with an oval head and round shank that can withstand rain, but used mostly indoors for fixing mouldings and architraves to wood base material.

Features:
- Oval head
- Round shank

Brass



BRN Brass

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BRN1.4X25	74191	1.4	25	2.8	1000
BRN1.7X30	74192	1.7	30	3.4	1000
BRN2.0X35	74193	2.0	35	4.0	1000
BRN2.0X40	74194	2.0	40	4.0	1000
BRN2.5X50	74195	2.5	50	5.0	500

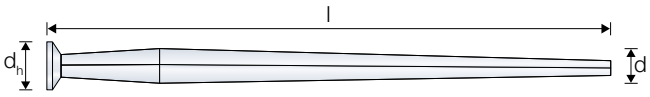
NCNG **CUT** Nail

Wood to Wood

This cut nail has various shapes and withstands rain. Used for nailing sills, frames and battens, etc., into wood.

Features:
- Wedge profile

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



NCNG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
NCNG4.0X75	75664	4.0	75	7.5	300
NCNG5.0X100	75665	5.0	100	8.5	165
NCNG5.0X150	75667	5.0	150	9.0	60
NCNG6.0X125	75666	6.0	125	9.0	100

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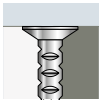
PN **JAGGED DRYWALL** Nail

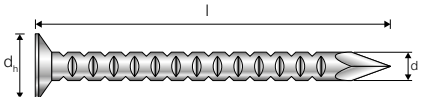
Drywall Boards to Wood

PN nails are suitable for installing drywall boards to wood nail.

Features:
- Countersunk head
- Jagged thread



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



PN Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
PN2.4X35	74150	2.4	35	5.5	1000

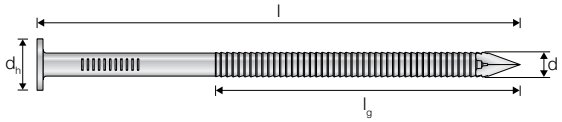
CLNA4/CLNG **WOOD-CLADDING** Nail

Cladding to Wood, Facade to Wood

The CLNA4 and CLNG nails are designed specifically to not penetrate the wind shield/protection behind the facade and with a flat head that covers the opened wood fibre after insertion. The ring shank increases the withdrawal performance and the 60 degree diamond point prevents splitting. The cladding nail in stainless steel can be used in severe environments, mainly used for unpainted facades or noble wood materials such as thermowood and cedar. The Hot-Dip Galvanised version is primarily for painted facades.

Features:
- Flat head
- 60 degree diamond point
- Ring shank

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

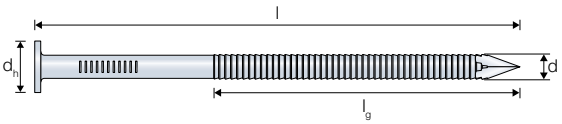


CLNA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNA42.8X48*	75650	2.8	48	6.9	26	500
CLNA42.8X65*	75651	2.8	65	6.9	50	250
CLNA42.8x75*	77033	2.8	75	6.9	53	250

* Available as a collated nail for standard pneumatic tools. See more in the 'Collated Nails and Staples' section.

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CLNG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNG2.8X48*	75648	2.8	48	6.9	26	1000
CLNG2.8X65*	75649	2.8	65	6.9	50	500

* Available as a collated nail for standard pneumatic tools. See more in the 'Collated Nails and Staples' section.

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PCRIX Annular **RING-SHANK** Nail, Stainless A4

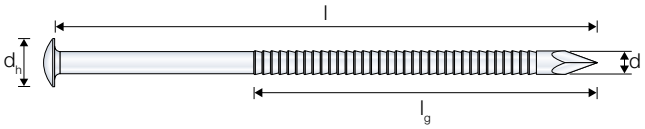
Outdoor wooden cladding

Stainless steel annular ring-shank nails are recommended in harsh or saline environments and in the food industry.

Features:

- The countersunk shape under the head of nails dia. 4 ensures that the nail is fully in contact with the hole
- High pull-out resistance

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



PCRIX Stainless Steel A4

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
PCRIX2.5/35/400	2.5	35	5.4	32	400
PCRIX2.5/45/400	2.5	45	5.4	42	400
PCRIX2.5/50/400	2.5	50	5.4	39	400
PCRIX2.5/50/2000	2.5	50	5.4	39	2000
PCRIX2.5/60/400	2.5	60	5.4	38	400
PCRIX2.5/60/2000	2.5	60	5.4	38	2000

TNA **RING-SHANK** Nail with Washer, Outdoor

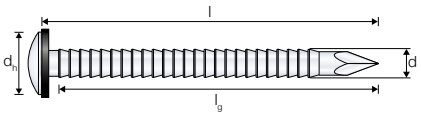
Aluminum on Wood

Metalwork nail with low oval head and ring shank that can withstand rain. For use in sheet metal work involving aluminium.

Features:

- Low oval head with washer
- Ring shank
- Aluminium with white pickled coating

Aluminium



TNA Aluminium

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
TNA2.6X25	74215	2.6	25	6.5	1000
TNA3.0X30	74216	3.0	30	7.5	500
TNA3.0X35	74217	3.0	35	7.5	500

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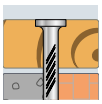
HNZ Hardened **MASONRY** and **CONCRETE** Nail

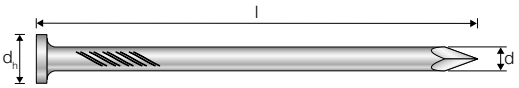
Wood to Concrete, Wood to Brick

The hardened masonry nail has a flat head and round shank, mainly used indoor on hard materials, such as concrete and masonry.

Features:
- Flat head
- Round shank
- High carbon special steel
- Hardened



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



HNZ Electro Galvanised, Hardened

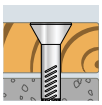
Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
HNZ3.0X30	75633	3.0	30	6.0	100
HNZ3.0X40	75634	3.0	40	6.0	100
HNZ3.0X50	75635	3.0	50	6.0	100
HNZ3.0X60	75636	3.0	60	6.0	100
HNZ3.0X70	75637	3.0	70	6.0	100

MNA Hardened **MASONRY** and **CONCRETE** Nail

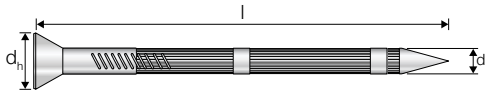
Wood to Concrete, Wood to Brick

Hardened carbon steel nail suitable for fixing wood to hard surfaces such as concrete and masonry.

Features:
- **Ballistic cone head**
- **Striated shank**



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



MNA Electro Galvanised, Hardened

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MNA2.5X20	75034	2.5	20	5.2	1235
MNA2.5X25	75035	2.5	25	5.2	1000
MNA2.5X30	75036	2.5	30	5.2	835
MNA2.5X35	75037	2.5	35	5.2	720
MNA2.5X40	75038	2.5	40	5.2	630
MNA3.5X40	75039	3.5	40	6.3	320

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MNA3.5X50	75040	3.5	50	6.3	260
MNA3.5X60	75041	3.5	60	6.3	215
MNA3.5X70	75042	3.5	70	6.3	185
MNA4.5X80	75043	4.5	80	8.1	100
MNA4.5X90	75044	4.5	90	8.1	85
MNA4.5X100	75045	4.5	100	8.1	80

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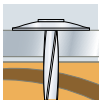
RNTG/RNTWG **TWISTED ROOFING** Nail

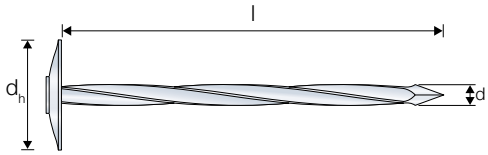
Steel to Wood

Roofing nail with twisted shank and bell head suitable for outdoor applications. The nail is suitable for a number of applications including the installation of constructional roof sheeting to a wood base.

Features:
- Twisted shank
- Bell head



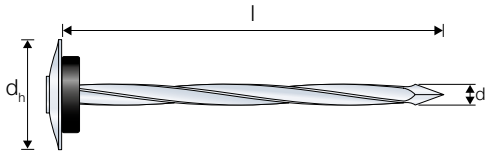
Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RNTG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
RNTG3.4X75	75671	3.4	75	18	75
RNTG3.4X90	75670	3.4	90	18	75

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RNTWG Hot-Dip Galvanised, EPDM-Washer

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
RNTWG3.4X65	75672	3.4	65	18	75
RNTWG3.4X75	75673	3.4	75	18	75

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

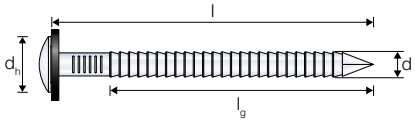
ARA4W **RING-SHANK** Nail with Washer, Stainless A4

Steel to Wood

This ring shank nail with its low oval head and ring shank is used to fix wood components to wood, where high withdrawal strength is required. Stainless A4 can withstand severe outdoor environments. The washer prevents moisture from getting into the nail hole.

Features:
- Low oval head
- Ring shank
- EPDM washer

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



ARA4W Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
ARA4W4X35	74228	4.0	35	9.8	24.5	250

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RNWGC **RING-SHANK ROOFING** Nail with Washer

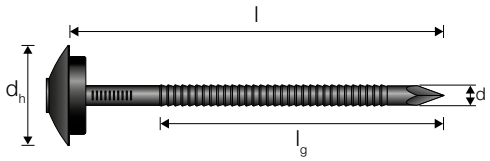
Steel to Wood

Roofing nail with ring shank and bell head, which can withstand rain. Has a number of uses, including the installation of constructional roof sheeting to a wood base.

Features:
- Ring shank
- Bell head

RAL 9005

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RNWGC Hot-Dip Galvanised + Painted RAL 9005

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
RNWGC3.7X60	75674	3.7	60	18	75
RNWGC3.7X70	75675	3.7	70	18	75
RNWGC4.0X95	75676	4.0	95	18	50
RNWGC4.0X110	75677	4.0	110	18	50

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

TNC **RING-SHANK METALWORK** Nail

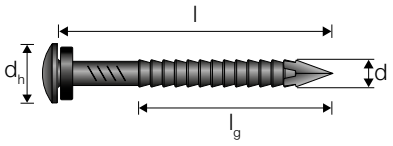
Steel to Wood

Metalwork nail with slightly oval head and ring shank that can withstand rain. For use in sheet metal work e.g. electro galvanised and laquered.

Features:
- Low oval head
- EPDM-washer
- Ring shank

NCS 9000

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

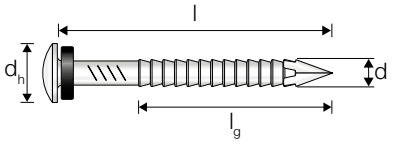


TNC Electro Galvanised + Painted NCS 9000

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
TNC2.5X30	75688	2.5	30	2.8	20	250

NCS 0502-Y

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



TNC Electro Galvanised + Painted NCS 0502-Y

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
TNC2.5X30	75687	2.5	30	2.8	20	250

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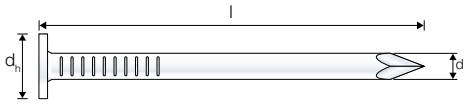
PAPS **ROUND-SHANK CLOUT** Nail

Asphalt Board to Wood

PAPS clout nails are roofing nails suitable for fixing of asphalt board.

Features:
- Flat head
- Round trhread

Bright Steel
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



PAPS Bright (Uncoated)

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
PAPS2.8X20	74595	2.8	20	8.5	1000
PAPS2.5X25	74724	2.5	25	8.7	1000
PAPS2.5X40	74725	2.5	40	8.7	500

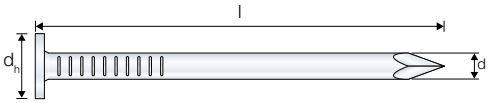
PAPP **ROUND-SHANK CLOUT** Nail, Outdoor

Roofing Felt, Construction Membrane, Asphalt Board, Exterior Plaster Board

Clout nail with a flat head and round shank that can withstand rain and is used for fixing exterior plaster board, roofing felt, asphalt board, construction membrane and draught-proofing felt to a wood base.

Features:
- Flat head
- Round shank

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



PAPP Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
PAPP2.1X20	74212	2.1	20	7.0	1000
PAPP2.5X25	74213	2.5	25	8.7	1000
PAPP2.5X40	74214	2.5	40	8.7	500
PAPP2.8X20	75608	2.8	20	8.5	500
PAPP2.8X25	75610	2.8	25	8.5	500
PAPP2.8X25	75609	2.8	25	8.5	1000
PAPP2.8X35	75611	2.8	35	8.5	500
PAPP2.8X35	75612	2.8	35	8.5	1000
PAPP2.8X45	75613	2.8	45	8.5	500
PAPP2.8X55	75614	2.8	55	8.5	500
PAPP2.8X65	75615	2.8	65	8.5	500
PAPP2.8X75	75616	2.8	75	8.5	500

PAPP is vailable as a collated nail for standard pneumatic tools. See more in the 'Collated Nails and Staples' section.

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PAPPA4 **ROUND-SHANK CLOUT** Nail, Stainless A4

Slate Roofing Tiles, Construction Membrane, Exterior Plaster Board

Clout nail with a flat head and round shank that can withstand severe environments and is used for exterior applications such as slate roofing tiles, exterior plaster boards to a wood base.

Features:
- Flat head
- Round shank
- Stainless Steel A4

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX

NEW

PAPPA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
PAPPA42.8X45	77900	2.8	45	8.5	500
PAPPA42.8X55	77901	2.8	55	8.5	500
PAPPA42.8X65	77902	2.8	65	8.5	500
PAPPA42.8X75	77903	2.8	75	8.5	500

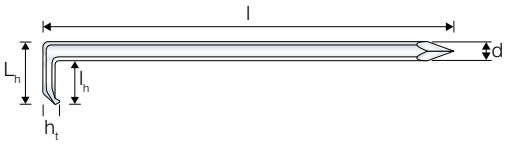
LHN **GROOVED HOOK** Nail

Secure Netting

The grooved hook nail is perfect for securing netting to materials such as wood or lightweight concrete. The Hot-Dip Galvanised coating means it can withstand rain.

Features:
- Carbon steel
- Hooked and fluted tip

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



LHN Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]					
		d	l	L_h	l_h	h_t	
LHN6X230	75046	6.0	230	30.0	18.5	4.5	75
LHN6X250	75047	6.0	250	30.0	18.5	4.5	70
LHN6X280	75048	6.0	280	30.0	18.5	4.5	65
LHN6X300	75049	6.0	300	30.0	18.5	4.5	60

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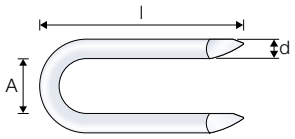
CEZ Staple

Wire to Wood

CEZ staples are suitable for installing fences and fixing wire to wood posts, etc.

Features:
- Round thread

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



CEZ Electro Galvanised

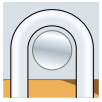
Model No.	Item code	Dimensions [mm]			
		d	l	A	
CEZ1.75X19	74234	1.8	19	5.0	1000

CHG Staple, Outdoor

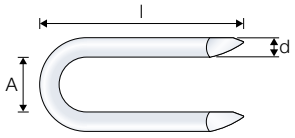
Wire to Wood

CHG staples are suitable for installing fences and fixing wire to wood posts, etc. in outdoor applications.

Features:
- Round thread



Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CHG Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	A	
CHG1.75X19	75679	1.75	19	5.0	1000
CHG1.75X25	75680	1.75	25	5.0	750
CHG2.5X25	74235	2.5	25	7.0	500
CHG2.75X30	74236	2.8	30	8.0	500
CHG3.0X35	74237	3.0	35	10.0	250
CHG3.25X40	74238	3.3	40	10.0	250
CHG3.5X45	75678	3.5	45	10.0	125
CHG3.75X50	74239	3.8	50	11.0	250
CHG4.0X60	74240	4.0	60	11.0	150

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Unconditional speed
and performance.

Collated
Nails and Staples

Collated Connector Nails
34° CNA CONNECTOR Nail, Paper Strip 238
34° CNA CONNECTOR Nail, Plastic Strip 239
15° CNA CONNECTOR Nail, Plastic Coil 240

Collated Wood Framing and Cladding Nails
17° RSN WOOD-FRAMING Nail, Plastic Strip 241
21° RSN WOOD-FRAMING Nail, Plastic Strip 242
17° BASN WOOD-FRAMING Nail, Plastic Strip 243
21° BASN WOOD-FRAMING Nail, Plastic Strip 244
34° RSN WOOD-FRAMING Nail, Paper Tape. 245
34° RSND WOOD-FRAMING Nail, Paper Tape. 245
34° CLN WOOD-CLADDING Nail, Paper Tape 246
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Collated Clout Nails
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Collated Roofing Plate Nails
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Finishing Nail, 16 Gauge Brads. 254
Finishing Nail, 18 Gauge Brads. 254
Finishing Nail, DA Brads 34° 256

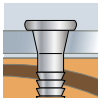
Solid-Drive™
34° CNA **CONNECTOR** Nail, Paper Strip

Simpson Strong-Tie Connectors to Wood

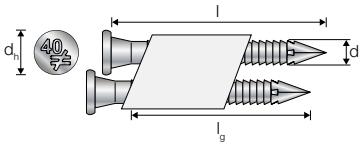
The CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

Features:
- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under head designed for connectors
- Length identification on head makes it easy to audit after installation
- Round Head
- Annular ring thread
- Diamond point

CNAPC34



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CNAPC34 Electro Galvanised

Model No.	Dimensions [mm]				
	d	l	d_h	l_g	
CNA4.0X35PC34	4.0	35	7.0	26.0	1500
CNA4.0X40PC34	4.0	40	7.0	31.0	1500
CNA4.0X50PC34	4.0	50	7.0	41.0	1000
CNA4.0X60PC34	4.0	60	7.0	51.0	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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Solid-Drive™
34° CNA **CONNECTOR** Nail, Plastic Strip

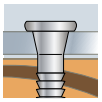
Simpson Strong-Tie Connectors to Wood

The CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

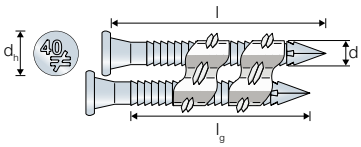
Features:

- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under head designed for connectors
- Length identification on head makes it easy to audit after installation
- Round Head
- Annular ring thread
- Diamond point

CNA34G



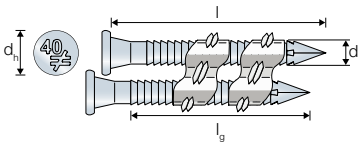
Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CNA34Z Electro Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CNA34Z4.0X40	76166	4.0	40	7.0	30.0	1000
CNA34Z4.0X50	76167	4.0	50	7.0	40.0	1000

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CNA34G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CNA34G4.0X40	75652	4.0	40	7.0	30.0	1000
CNA34G4.0X50	75653	4.0	50	7.0	40.0	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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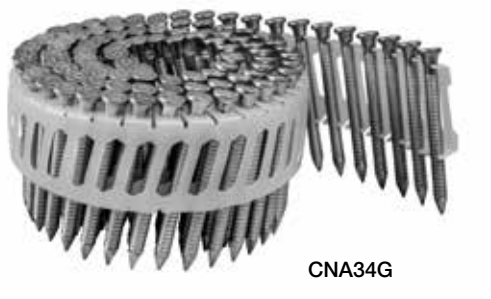
Solid-Drive™ 15° CNA **CONNECTOR** Nail, Plastic Coil

Simpson Strong-Tie Connectors to Wood

The CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

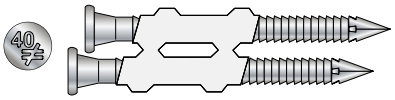


CNA34G

Features:

- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under head designed for connectors
- Length identification on head makes it easy to audit after installation
- Round Head
- Annular ring thread
- Diamond point

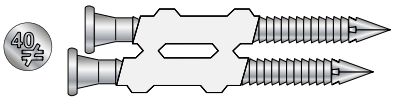
Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CNAC15 Electro Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CNAC15Z4.0X40	76138	4.0	40	7.0	31.0	1200
CNAC15Z4.0X50	76139	4.0	50	7.0	41.0	1200
CNAC15Z4.0X60	76140	4.0	60	7.0	51.0	1200

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CNAC15-G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CNAC15G4.0X40	76142	4.0	40	7.0	31.0	1200
CNAC15G4.0X50	76143	4.0	50	7.0	41.0	1200
CNAC15G4.0X60	76144	4.0	60	7.0	51.0	1200

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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17° RSN **WOOD-FRAMING** Nail, Plastic Strip

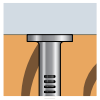
Framing Wood to Wood

The framing nail is used for wood to wood constructions. The round head gives a good visual end result and the plastic collation is not sensitive for moisture. The stainless version can be used in severe, marine environments.

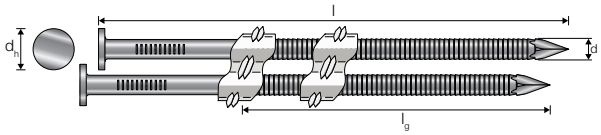
Features:

- Round head
- Ring shank
- Plastic strip 17°

RSN17A4



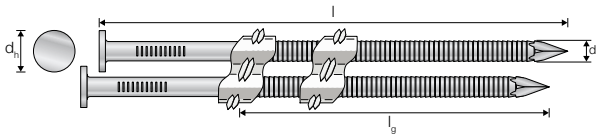
Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



RSN17Z Electro Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSN17Z3.1X65	75682	3.1	65	6.9	41	500

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



RSN17A4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSN17A42.8X65	75638	2.8	65	6.2	53	500
RSN17A42.8X75	75639	2.8	75	6.9	50	500
RSN17A43.1X90	75640	3.1	90	6.9	70	500

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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21° RSN **WOOD-FRAMING** Nail, Plastic Strip

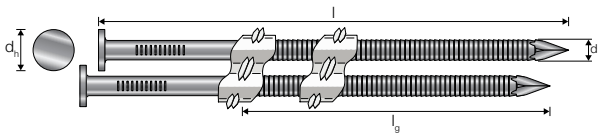
Framing Wood to Wood

The framing nail is used for wood to wood constructions. The round head gives a good visual end result and the plastic collation is not sensitive for moisture. The stainless version can be used in severe, marine environments.

Features:
- Round head
- Ring shank
- Plastic strip 21°

RSN21A4

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

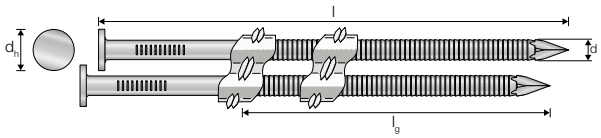


RSN21Z Electro Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSN21Z3.1X65	75644	3.1	65	6.9	41	500

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



RSN21A4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSN21A42.8X65	75641	2.8	65	6.2	50	500
RSN21A42.8X75	75642	2.8	75	6.9	53	500
RSN21A43.1X90	75643	3.1	90	6.9	70	500

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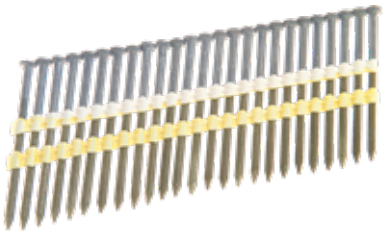
17° BASN **WOOD-FRAMING** Nail, Plastic Strip

Framing Wood to Wood

The framing nail is used for wood to wood constructions. The round head gives a good visual end result and the plastic collation is not sensitive for moisture. The barbed shank increases withdrawal resistance.

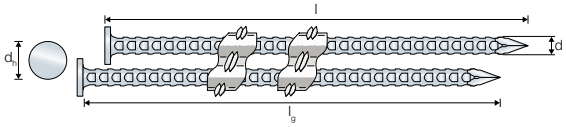
Features:

- Round head
- Barbed shank
- Plastic strip 17°



BASN17G

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



BASN17G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BASN17G2.8X50	75621	2.8	50	6.6	500
BASN17G2.8X55	75622	2.8	55	6.6	500
BASN17G2.8X65	75623	2.8	65	6.6	500
BASN17G2.8X75	75624	2.8	75	6.6	500
BASN17G2.8X75	75619	2.8	75	6.6	1000
BASN17G3.1X90	75625	3.1	90	6.6	500
BASN17G3.1X90	75620	3.1	90	6.6	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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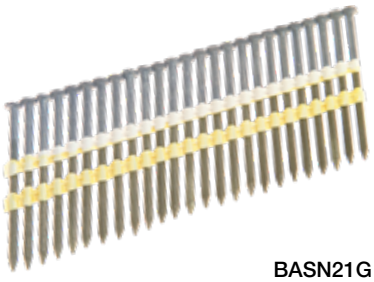
21° BASN **WOOD-FRAMING** Nail, Plastic Strip

Framing Wood to Wood

The framing nail is used for wood to wood constructions. The round head gives a good visual end result and the plastic collation is not sensitive for moisture. The barbed shank increases withdrawal resistance.

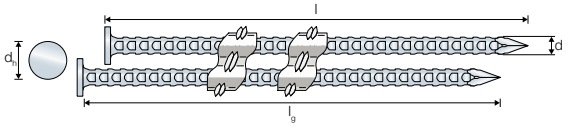
Features:

- Round head
- Barbed shank
- Plastic strip 21°



BASN21G

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



BASN21G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
BASN21G2.8X50	75626	2.8	50	6.6	500
BASN21G2.8X55	75627	2.8	55	6.6	500
BASN21G2.8X65	75628	2.8	65	6.6	500
BASN21G2.8X75	75629	2.8	75	6.6	500
BASN21G2.8X75	75630	2.8	75	6.6	1000
BASN21G3.1X90	75631	3.1	90	6.6	500
BASN21G3.1X90	75632	3.1	90	6.6	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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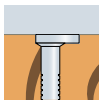
34° RSN **WOOD-FRAMING** Nail, Paper Tape

Framing Wood to Wood

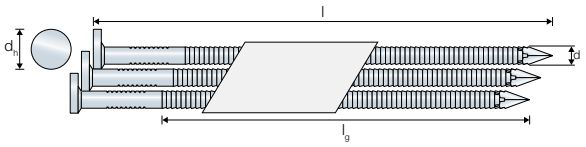
The framing nail is used for wood to wood constructions. The round (off-set) head gives a good visual end result and the ring shank increases the withdrawal capacity.

Features:
- Off-set round head
- High withdrawal capacity
- Annular ring shank
- Paper tape 34°

RSN34G



Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RSN34G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSN34G2.8X65	75754	2.8	65	6.5	50	1700
RSN34G2.8X75	75755	2.8	75	6.5	60	1500
RSN34G3.1X90	75756	3.1	90	6.5	45	1000
NEW RSN34G3.1X98	76150	3.1	98	6.5	35	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

34° RSND **WOOD-FRAMING** Nail, Paper Tape

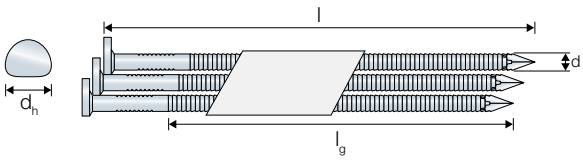
Framing Wood to Wood

The framing nail is used for wood to wood constructions. The clipped head and the tight collation means that more nails can be loaded in the tools and the ring shank increases the withdrawal capacity.

Features:
- Clipped head (D-head)
- High withdrawal capacity
- Annular ring shank
- Paper tape 34°

RSND34G

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RSND34G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSND34G2.8X65	75762	2.8	65	5.0	50	1700
RSND34G2.8X75	75763	2.8	75	5.0	60	1500
RSND34G3.1X90	75764	3.1	90	5.3	70	1000
NEW RSND34G3.1X98	76149	3.1	98	5.3	35	1000

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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34° CLN **WOOD-CLADDING** Nail, Paper Tape

Cladding/facade wood to wood

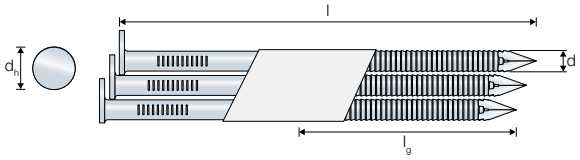
The Hot-Dip Galvanised cladding nail is mainly used for painted facades. The length of the nail is developed to not penetrate the wind shield/protection behind the facade and the flat head covers the opened wood fibre after insertion. The ring shank increase the withdrawal performance and the 60 degree diamond point prevents splitting.

Features:

- Off-set round head
- 60 Degree diamond point
- Ring shank
- Paper tape 34°

CLN34G

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CLN34G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLN34G2.8X48	75761	2.8	48	6.5	28	1700

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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0° CLNC **WOOD-CLADDING** Nail, Plastic Coil

Cladding/facade wood to wood

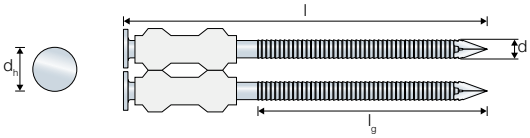
The length of the cladding nail is developed to not penetrate the wind shield/ protection behind the facade and the flat head covers the opened wood fibre after insertion. The ring shank increase the withdrawal performance and the 60 degree diamond point prevents splitting. The stainless version can be used in severe, marine environments.

Features:

- Round head
- 60 degree diamond point
- Ring shank
- Plastic coil 0°

CLNC0A4

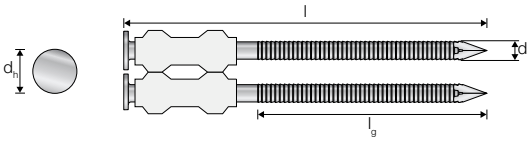
Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CLNC0G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNC0G2.8X48	75759	2.8	48	5.6	≥32	1950
CLNC0G2.8X65	75760	2.8	65	5.6	≥43	1300

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



CLNC0A4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNC0A42.8X48	75757	2.8	48	5.6	≥32	1950
CLNC0A42.8X65	75758	2.8	65	5.6	≥43	1300

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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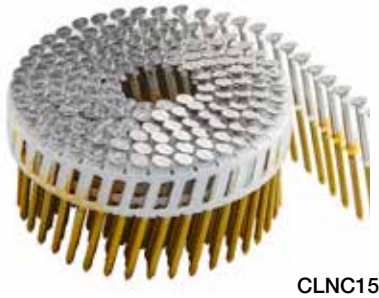
15° CLNC **WOOD-CLADDING** Nail, Plastic Coil

Cladding/facade wood to wood

The length of the cladding nail is developed to not penetrate the wind shield/ protection behind the facade and the flat head covers the opened wood fibre after insertion. The ring shank increase the withdrawal performance and the 60 degree diamond point prevents splitting. The stainless version can be used in severe, marine environments.

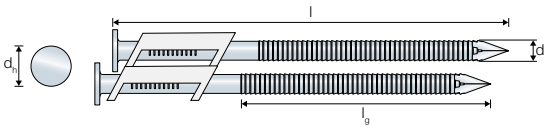
Features:

- Round head
- 60 degree diamond point
- Ring shank
- Plastic coil 15°



CLNC15A4

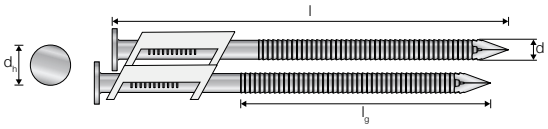
Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CLNC15G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNC15G2.5X65	75739	2.5	65	6.7	50	1400
CLNC15G2.8X48	75740	2.8	48	6.9	24	2100
CLNC15G2.8X65	75741	2.8	65	6.9	50	1400
CLNC15G2.8X75	75742	2.8	75	6.9	53	1400

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



CLNC15A4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
CLNC15A42.8X48	75743	2.8	48	6.9	26	2100
CLNC15A42.8X65	75744	2.8	65	6.9	50	1400
CLNC15A42.8X75	75745	2.8	75	6.9	53	1400

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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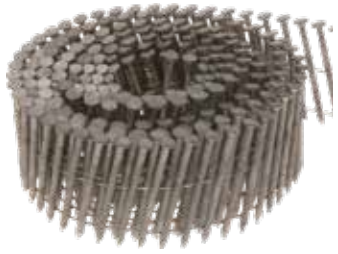
15° RSNC **WOOD-FRAMING** Nail, Wire Coil

Framing Wood to Wood

The framing nail is designed for wood to wood constructions and can be used in outdoor environments. The coil collation gives more nails in the magazine and reduce the need of reloading. The ring shank increases the withdrawal capacity.

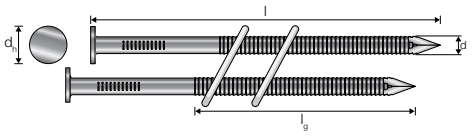
Features:

- Round head
- High withdrawal capacity
- Annular ring shank
- Wire coil 15°



RSNC15G

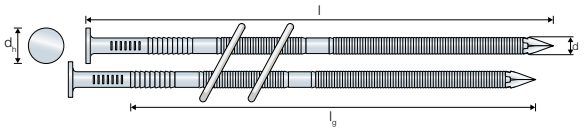
Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



RSNC15Z Electro Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSNC15Z3.1X65	75669	3.1	65	6.9	41	1600

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



RSNC15G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
RSNC15G2.5X45	75661	2.5	45	5.7	32	2000
RSNC15G2.5X55	75662	2.5	55	5.7	45	2000
RSNC15G2.5X65	75658	2.5	65	5.7	50	2000
RSNC15G2.8X75	75659	2.8	75	6.9	53	1500
RSNC15G3.1X90	75660	3.1	90	6.9	70	1600

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

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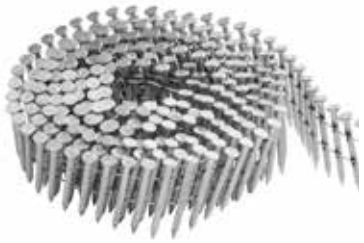
Collated Steel to Wood and Clout Nails

15° KNUR **STEEL** to Wood Nail, Wire Coil

Steel to wood

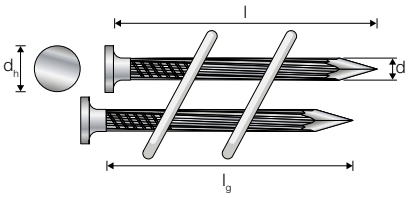
Hardened nail for steel to wood applications, can be used in steel thickness up to 1.0 mm.

Features:
- Knurled shank
- Hardened
- Wire coil collation 15°



KNURC15Z

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



KNUR15Z Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
KNUR15Z2.5x32	75663	2.5	32	5.5	10440

For additional technical data, such as load-bearing capacities, installation data and more, visit our website www.strongtie.eu.

15° PAPPC **CLOUT** Nail, Wire Coil

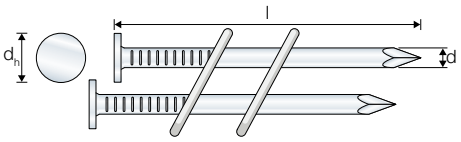
Roofing felt to wood, Construction membrane to wood, Asphalt board to wood, Exterior plaster board to Wood

Clout nail with a flat head and round shank that can withstand rain and is used for fixing exterior plaster board, roofing felt and asphalt board to a timber base.

Features:
- Flat head
- Smooth shank
- Wire coil 15°

PAPPC15G

Hot-Dip Galvanised
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



PAPPC15G Hot-Dip Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
PAPPC15G3.1X19	75654	3.1	19	9.2	3000
PAPPC15G3.1X22	75655	3.1	22	9.2	3000
PAPPC15G3.1X35	75656	3.1	35	9.2	1800
PAPPC15G3.1X45	75657	3.1	45	9.2	1800

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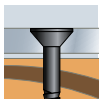
15° SC **ROOFING PLATE** Nail / Screw, Plastic Coil

Steel/wood to wood

The plastic collated nail is a combination of a nail and a screw. It has a thread and a PH2 recess which makes it possible to insert with a nailer and demount with a screw driver. It is mainly used for roofing plates.

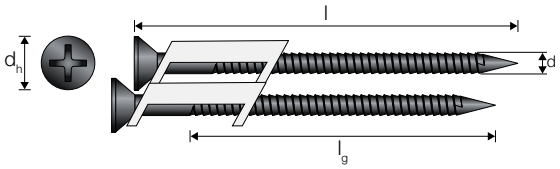
Features:
- PH2 drive
- Threaded shank
- Plastic coil 15°

SC15C



RAL 9005

Ruspert Coating



SC15C Ruspert coating + Lacquared RAL9005

Model No.	Item code	Dimensions [mm]				
		d	l	d_h	l_g	
SC15C2.8X50	75738	2.8	50	7.0	40	600

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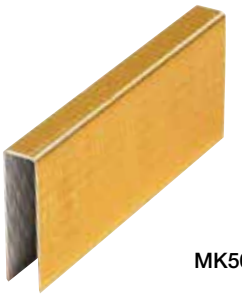
Collated Staple Type 500

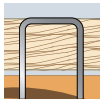
Staple wood fibre boards to wood

Staple 500 is for indoor use and in dry environments to fasten various items, including ceilings and wood fibreboard to a timber base.

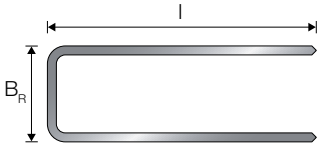
Features:
- Type 500
- Dimension wire: 1.0x1.2 mm
- Width: 11.0 mm



MK500Z



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MK500Z Electro Galvanised

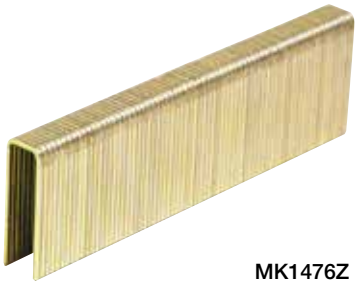
Model No.	Item code	Dimensions [mm]			
		d	l	B_R	
MK500Z1.0X25	75767	1.0	25	11 mm	5000
MK500Z1.0X30	75774	1.0	30	11 mm	5000
MK500Z1.0X35	75775	1.0	35	11 mm	5000
MK500Z1.0X40	75776	1.0	40	11 mm	5000

Collated Staple Type 14B/76

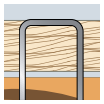
Staple wood fibre boards to wood

Staple 14B/76 is for indoor use and in dry environments to fasten various items, including ceilings and wood fibreboard to a timber base.

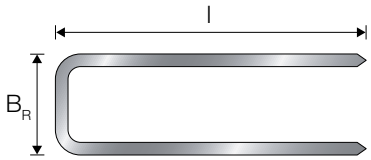
Features:
- Type 14B/76
- Dimension wire: 1.4x1.6 mm
- Width: 10.4 mm



MK1476Z



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MK1476Z Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	B_R	
MK1476Z1.4X32	75777	1.4	32	10.4	5000
MK1476Z1.4X38	75778	1.4	38	10.4	5000

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Collated Staple Type 6000

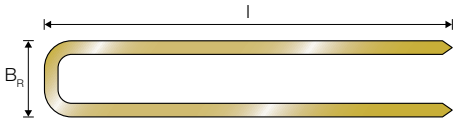
Staple wood fibre boards to wood

Staple 6000 is for indoor use and in dry environments to fasten various items, including ceilings and wood fibreboard to a timber base.

Features:
- Electro galvanised
- Type 6000
- Dimension wire: 1,05x1,3 mm
- Width: 5,6 mm

MK6000Z

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MK6000Z Yellow Zinc Plated

Model No.	Item code	Dimensions [mm]			
		d	l	B_R	
MK6000Z1.05X25	75779	1.05	25	5.6	5000
MK6000Z1.05X30	75780	1.05	30	5.6	5000
MK6000Z1.05X40	75781	1.05	40	5.6	5000

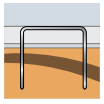
Collated Staple Type A11

Staple plastic film, Roofing felt to wood

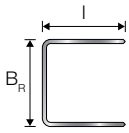
Staple A11 is for indoor use and in dry environments to fasten various items, including plasticfilms, roofing felts to a timber base.

Features:
- Type A11
- Dimension wire: 0.5x1.3 mm
- Width: 10.5 mm

MKA11Z



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MKA11Z Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	B_R	
MKA11Z1.3X8	75782	1.3	8	10.5	5000
MKA11Z1.3X10	75783	1.3	10	10.5	5000
MKA11Z1.3X12	75784	1.3	12	10.5	5000

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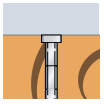
Finishing Nail, 16 Gauge Brads

Wood Trimming

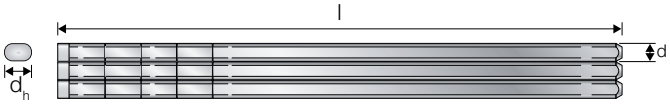
This brad with its rectangular head and shank is used indoor and in dry environments for fixing mouldings, panels and hardwood or semi-hardwood boards to a timber base. Dimension 1.4x1.6 mm. MD16GAA4 can be used in severe, marine environments.

Features:

- Brad 0°
- Adhesive collated



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

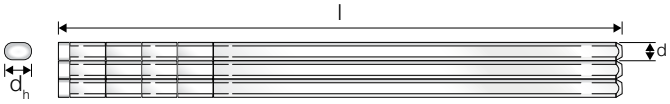


MD16GA Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MD16GA1.6X25	75750	1.6	25	2.85	2500
MD16GA1.6X30	75747	1.6	30	2.85	2500
MD16GA1.6X40	75748	1.6	40	2.85	2500
MD16GA1.6X50	75749	1.6	50	2.85	2500
MD16GA1.6X63	75746	1.6	63	2.85	2500

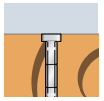
LACQ

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

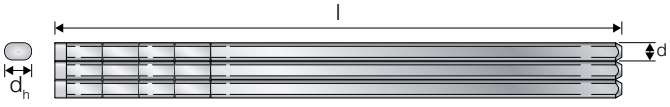


MD16GAC White Lacquered

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MD16GAC1.6X40	75765	1.6	40	2.85	2500
MD16GAC1.6X50	75766	1.6	50	2.85	2500



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



MD16GAA4 Stainless Steel A4

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MD16GAA41.6X35	75753	1.6	35	2.7	2500
MD16GAA41.6X40	75751	1.6	40	2.7	2500
MD16GAA41.6X50	75752	1.6	50	2.7	2500

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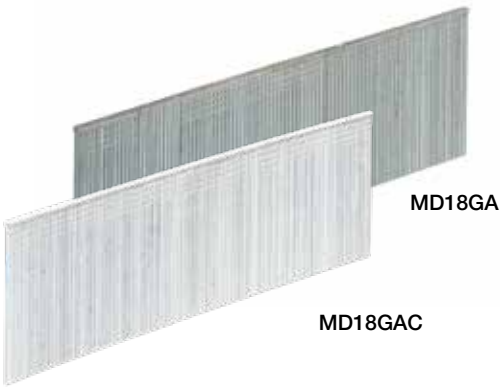
Finishing Nail, 18 Gauge Brads

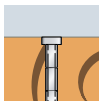
Wood Trimming

This brad with its rectangular head and shank is used in indoor and dry environments for fixing mouldings, panels and hardwood or semi-hardwood boards to a timber base.

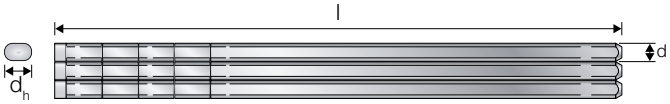
Features:

- Dimension wire: 1.0x1.2 mm
- Brad 0°
- Adhesive collated



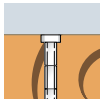


Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



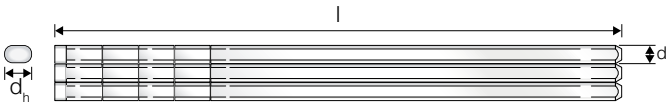
MD18GA Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MD18GA1.0X20	75768	1.0	20	2.0	5000
MD18GA1.0X30	75769	1.0	30	2.0	5000
MD18GA1.0X40	75770	1.0	40	2.0	5000
MD18GA1.0X50	75771	1.0	50	2.0	5000



LACQ

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MD18GAC White Lacquered

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MD18GAC1.0X40	75772	1.0	40	2.0	5000
MD18GAC1.0X50	75773	1.0	50	2.0	5000

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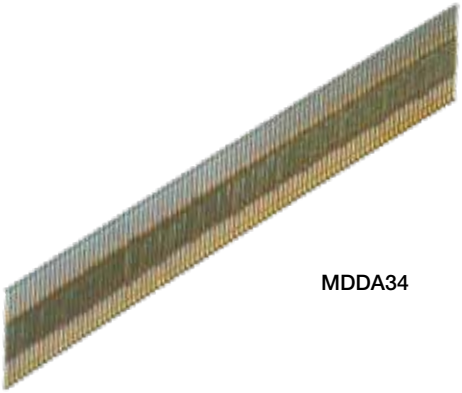
Finishing Nail, DA Brads 34°

Wood Trimming

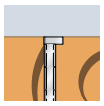
This brad with its D-shaped head and rectangular shank is used indoors and in dry environments for fixing mouldings, panels and hardwood or semi-hardwood boards to a timber base. This version, unlike other types of brad, leaves its head visible when fixed in place.



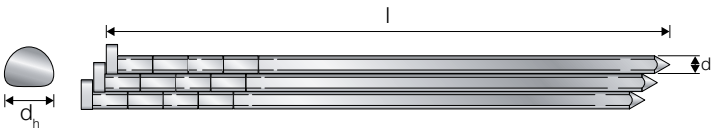
MDDA34

Features:

- D-style head has greater bearing area to draw trim to the substrate
- Dimension wire: 1.6 x 1.8 mm
- Brad 34°
- Adhesive collated



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MDDA34 Electro Galvanised

Model No.	Item code	Dimensions [mm]			
		d	l	d_h	
MDDA341.8X38	75683	1.8	38	2.5x3.25	4000
MDDA341.8X50	75684	1.8	50	2.5x3.25	4000

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European fastener manufacturing.

Beyond precision engineering and rigorous testing, our European based manufacturing facilities are what enable us to deliver products at the highest industry standard. We invest in - and invent - fabrication technology that can bring our designs to life, and ultimately provide your projects strength, speed and success.

See more on strongtie.eu

Rethink repetitive fastening.

Quik Drive® Systems

Quik Drive® Systems
QDBPC50E Connector Screw System 263
QDBPC19EF 19 mm Flooring Screw System 264
QDPRO76SKE Flooring and Decking System 265
QDHSD Mezzanine Floor/Truck Bed System 266
QDPRO51E Drywall Screw System 268
QDPRO64E Flooring and Decking System 269
QD76KE Multi-purpose System 270
QDPRORFE Roofing Tile System 271
QDPROLDHG2 Fibre Cement Board System 272
QDPROPHG2 Light Gauge Steel Stud and Track System 273
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Quik Drive®

A perfect alternative to traditional nailing and screwing.

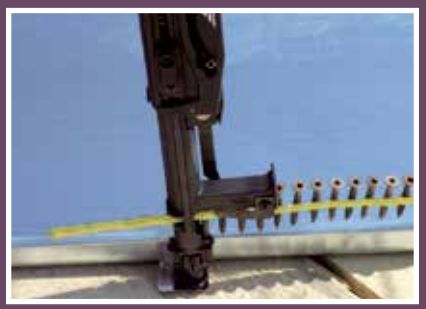
The Quik Drive auto-feed system is a significantly faster way to install screws. With a multitude of modular fittings and screws for a huge range of purposes, there is a Quik Drive kit to suit just about every application - from drywall installation to mezzanine floor construction.

It's ergonomic too, allowing the installation of screws into walls, floors and ceilings without the need for bending, stretching or crouching. Which means not only can the system operate for several hours at a time – so can you.

Simple to use, the Quik Drive system fits onto all leading screwguns with just a click. The patented screw strips are designed to avoid jamming and unlike many collated screw strips, a partially used one can be saved for reuse later – so it's cost effective too.

- **Fast**
- **Reliable**
- **Ergonomic**

Applications



Quik Drive® Systems

How to:

The Quik Drive® series of attachments are compatible with most leading power tools and can be installed with just a few steps, so you can be up and running in seconds.

Installation:

1. Pull off the depth stop cap of your drywall screwgun and remove all circlips
2. Pull out the bit holder of the screwgun
3. Mount the correct adapter onto the screwgun and tighten (you may require an allen key, supplied)
4. Insert the Quik Drive® bit holder (Mandrel) into the screwgun
5. Insert the attachment over the Mandrel and onto the adapter, clicking it into place
6. Insert the screw strip, with the pointed tip first, into the nose piece on the attachment
7. The Quik Drive® system is ready to use

Note: Always check the RPM of the driver matches the recommended speed for the screw you are installing.

1

2

3

4

5

6

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Quik Drive® Systems

Find the attachment on page	Attachment	Systems		Application
151	QDBPC50E	QDBPC50E		Connector Screw System
152	QDBPC19EF	QDBPC19EF		19 mm Flooring Screw System
153	QDPRO76SKE	QDPRO76SKE QDPRO76SKEG		Flooring and Decking Screw System
154	QDHSD60E	QDHSD60E QDHSD60KE		Mezzanine and Truck Bed Screw System
154	QDHSD75E	QDHSD75E		Mezzanine and Truck Bed Screw System
156	QDPRO51E	QDPRO51E QDPRO51KE QDPRO51KEG		Drywall Screw System
157	QDPRO64E	QDPRO64E QDPRO64KE		Flooring and Decking Screw System
158	QD76KE	QD76KE		Multipurpose System
159	QDPRORFE	QDPRORFE		Roofing Tile Screw System
160	QDPROLDHG2	QDPROLDHG2		Fibre Cement Board Screw System
161	QDPROPHG2	QDPROPHG2		Light Gauge Steel Stud and Track Screw System
162	QDPROHX516G2	QDPROHX516G2		Metal Sheeting and Cladding Screw System
163	QDPROPP38KE	QDPROPP38KE		Metal-Roofing Clips/Steel Decking/ Stitching System

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QDBPC50E **CONNECTOR** Screw System

- Suitable for screws 35 mm to 50 mm long
- Use with CSA screws to install metal connectors, such as angle brackets and joist hangers, to timber
- Use with Mandrel code: MANDREL128E
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation
- Complete system incl. screw gun available

Kit includes:		QDBPC50E	Compatible Screws
Attachment	QDBPC50E	✓	CSA-T CSA-ST
Mandrel	MANDREL128E	✓	
Spare Bits	BITLTX20E (x1)	✓	

QDBPC50E

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QDBPC19EF 19 mm **FLOORING** Screw System

NEW

- Suitable for MTHZ19E screws only
- Use with Mandrel code: MANDREL128E
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDBPC19EF	Compatible Screws
Attachment	QDBPC19EF	✓	MTHZ19E
Mandrel	MANDREL128E	✓	
Spare Bits	BITL2SE (x1)	✓	

QDBPC19EF

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QDPRO76SKE **FLOORING** and **DECKING** System

- Suitable for screws 44 mm to 76 mm long
- Used for fixing hardwood or softwood deck boards to timber sub frames. Also used in subfloor installation
- Use with Mandrel code: MANDREL191E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDPRO76SKE
Extension	QDEXTE	✓
Attachment	QDPRO76SE	✓
Pouch	QUIVER	✓
Mandrel	MANDREL191E-RC	✓
Carry Case	TOOLCASE-LG	✓
Spare Bits	BIT2PE (x3)	✓
	BIT2SE (x1)	✓
	BIT3SUE (x1)	✓

Compatible Screws
CBSDQ CHB CLSZN DTHQ SS3DSC SSDHPD SSDHSD SSDTH SSWSCB WSV

QDPRO76SKE

For additional technical information, such as installation data and more, visit our website www.strongtie.eu.

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QDHSD **MEZZANINE** Floor/**TRUCK BED** System

Use in conjunction with FHSD screws to drill through steel thicknesses 2-4 mm for mezzanine floor installations or the TBG screws to drill through 2-5 mm steel thicknesses for truck bed/trailer installations.

- QDHSD60E suitable for screws 45 mm to 64 mm
- QDHSD75E suitable for screws 60 mm to 75 mm
- Use with Mandrel code: MANDREL191E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Connects easily with screw gun or extension
- Teflon coated moving parts for a long life
- Can be used in conjunction with the QDEXTG2-T2 handle
- Available as kits incl. extension, screw guns and more

Kit includes:		QDHSD60E	QDHSD75E	QDHSD60KE	Compatible Screws
Extension	QDEXTE			✓	FHSD TBG
Attachment	QDHSD60E	✓		✓	
Attachment	QDHSD75E		✓		
Pouch	QUIVER			✓	
Mandrel	MANDREL191E-RC	✓	✓	✓	
Carry Case	TOOLCASE-LG			✓	
Spare Bits	BIT2SE (x1)	✓	✓	✓	
	BIT3SE (x3)	✓	✓	✓	

QDHSD60KE

QDHSD60E / QDHSD75E

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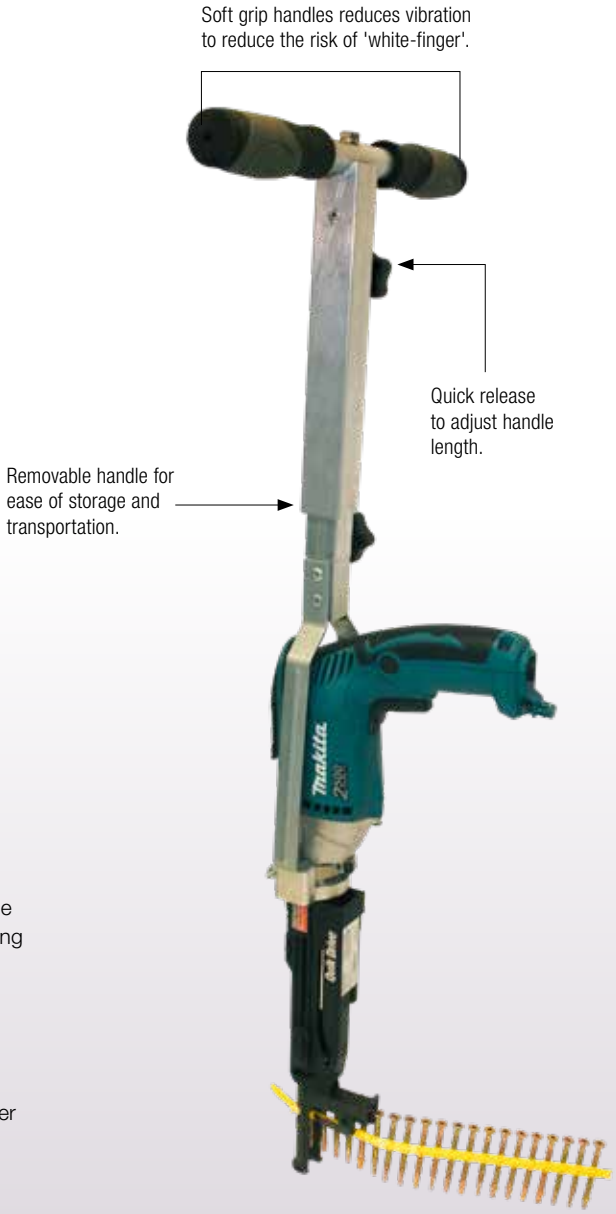
Quik Drive® Systems

QDEXTG2-T2 Handle
Mezzanine Floor Installation
(Power tool is not included)



Designed for industrial applications where Quik Drive is operated for several hours at a time, such as mezzanine floor installations.

The T-Handle design allows a screw gun to be mounted such that the operator places equal amounts of pressure through both arms, making it much more comfortable to use over long periods.

- Two piece system
- Rugged, yet light box steel tube design
- Compatible with Makita screw guns and Quik Drive attachments
- QDEXTG2-T3 handle available for use with Hilti ST1800 screwdriver motors

For additional technical information, such as installation data and more, visit our website www.strongtie.eu.

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QDPRO51E **DRYWALL** Screw System

Smooth nose will not mark drywall surface.

Self-locking depth adjustment for consistent countersink.

- Suitable for screws 25 mm to 51 mm long
- Smooth nose piece prevents marking of drywall surface
- Use with Mandrel code: MANDREL165E-RC
- Self-locking depth adjustment for consistent countersinking of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation
- Available as kits incl. extension, screw guns and more

Kit includes:		QDPRO51E	QDPRO51KE
Extension	QDEXTE		✓
Attachment	QDPRO51E	✓	✓
Pouch	QUIVER	✓	✓
Mandrel	MANDREL165E-RC	✓	✓
Carry Case	TOOLCASE-LG		✓
Spare Bits	BIT2PE (x3)	✓	✓
	BIT2SE (x1)	✓	✓
	BIT3SUE	✓	✓

Compatible Screws	
CHB DWC DWD DWF DWFSD DWHL FBCB FBCS	MTH RDPF RDWF RTFSD WSC WSHL

QDPRO51E

QDPRO51KE

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QDPRO64E **FLOORING** and **DECKING** System

Uniform toe-nailing and counter-sink on slick surfaces.

- Suitable for screws 38 mm to 64 mm long
- Non-slip nose piece increases stability
- Use with Mandrel code: MANDREL191E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Curved feeding guide for fast loading
- Replace-able non-skid teeth
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation
- Available as kits incl. extension, screw guns and more

Kit includes:		QDPRO64E	QDPRO64KE
Extension	QDEXTE		✓
Attachment	QDPRO64E	✓	✓
Pouch	QUIVER		✓
Mandrel	MANDREL191E-RC	✓	✓
Carry Case	TOOLCASE-LG		✓
Spare Bits	BIT2SE (x2)	✓	✓
	BIT3SUE	✓	✓

Compatible Screws	
CBSDQ CHB CLSZN DTHQ	SSDTH SSWSCB WSV

QDPRO64E

QDPRO64KE

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QD76KE **MULTI-PURPOSE** System

NPA
Nose Pieces

- Complete with interchangeable nose pieces, QD76KE can be used for a wide variety of applications including drywall, flooring and decking
- Suitable for screws 25 mm to 76 mm long
- Smooth nose piece prevents marking of drywall surface
- Use with Mandrel code: MANDREL191E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation
- Available as kits incl. extension, screw guns and more

Kit includes:		QD76KE
Extension	QDEXTE	✓
Attachment	QD76KE	✓
Pouch	QUIVER	✓
Mandrel	MANDREL191E-RC	✓
Carry Case	TOOLCASE-LG	✓
Spare Bits	BIT2PE (x2)	✓
	BIT2SE (x1)	✓
	BIT3SE (x1)	✓
	BIT2SUE	✓
	BIT3SUE (x1)	✓
Nose Piece	51 mm - NPA2G2	✓
	64 mm - NPA25G2	✓
	76 mm - NPA3G2	✓

Compatible Screws
DTHQ DWC DWF DWFSD DWHL MTH RTFSD SSDTH SSWSCB WSC WSHL

QD76KE

- Interchangeable nose pieces included:
- 51 mm for 25 mm to 51 mm screws
- 64 mm for 38 mm to 64 mm screws
- 76 mm for 76 mm screws

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QDPRORFE **ROOFING TILE** System

Visibility window allows precise visual placement of screws

- Visibility window allows precise visual placement of screws
- Precision depth settings prevent tile breakage
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDPRORFE
Attachment	QDPRORFE	✓
Pouch	QUIVER	✓
Mandrel	MANDREL191E-RC	✓

Compatible Screws
CBSDQ DTHQ SS3DSC SSDHPD SSDTH SSWSCB WSC

QDPRORFE

For additional technical information, such as installation data and more, visit our website www.strongtie.eu.

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QDPROLDHG2 **FIBRE CEMENT BOARD** System

Used in conjunction with CB3BLGHL screws to fix fibre cement boards to timber frame buildings. Also used with SSBFHSD screws for fixing to steel

- Suitable for screws 32 mm to 50 mm long
- Use with Mandrel code: MANDREL165E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDPROLDHG2
Attachment	QDPROLDHG2	✓
Mandrel	MANDREL165E-RC	✓
Spare Bits	BIT2SUE (x1) / BIT3SUE (x1)	✓

Compatible Screws
CB3BLGHL SSBFHSD

QDPROLDHG2

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QDPROPHG2 **LIGHT GAUGE STEEL** Stud and Track System

- Suitable for FPHSD and PHSD screws
- Use with Mandrel code: MANDREL165E-RC
- Self-locking depth adjustment for consistent countersink of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDPROPHG2	Compatible Screws
Attachment	QDPROPHG2	✓	FPHSD PHSD
Mandrel	MANDREL165E-RC	✓	
Spare Bits	BIT3SE (x3)	✓	

For additional technical information, such as installation data and more, visit our website www.strongtie.eu.

QDPROPHG2

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QDPROHX516G2 **METAL SHEETING** or **CLADDING** System

Steel sheating to steel system kit includes:

- Suitable for Hex Head screws up to 25 mm length
- Use with Mandrel code: BPHX516G2
- Self-locking depth adjustment for consistent positioning of screws
- Connects easily with screw gun or extension
- Made from rugged, self-lubricating material producing a long life and smooth operation

Kit includes:		QDPROHX516G2
Attachment	QDPROHX516G2	✓
Mandrel	BPHX516G2	✓
Spare Bits	BITHEXLB516 (x1)	✓

Compatible Screws
X1S1214 X25E1016

QDPROHX516G2

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QDPROPP38KE **METAL-ROOFING** Clips/ Steel Decking/Stitching

Innovative Precision Placement nosepiece allows for easy location of the hole in the clip

- Safely and efficiently performs steel deck fastening and stitching
- Auto-feed mechanism provides hands-free screw advancement, eliminating handling of individual screws, cutting installation time in half
- Collated fastener strips virtually eliminate fastener waste and prevent damage to roof panels from dropped fasteners
- Innovative Precision Placement™ nosepiece allows for easy location of the holes in standing seam metal roofing clips

Kit includes:		QDPROPP38KE	Compatible Screws
Extension	QDEXTG2-16	✓	CB3BLGHL PCULP X1S1214 X25E
Attachment	QDPROPP38E	✓	
Pouch	QUIVER	✓	
Mandrel	MANDREL254E	✓	
Carry Case	TOOLCASE-LG	✓	
Spare Bits	BPHXLBPPG2	✓	

QDPROPP38KE

For additional technical information, such as installation data and more, visit our website www.strongtie.eu.

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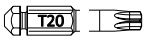
Quik Drive® Bits

Driver Bits

	Item code	Description	Qty per pack
	BIT2PE	**#2 Phillips bit**	
	BIT2PE-RC3	Bit pack #2 Phillips bit & wrench	3
	BIT2PE-RC10		10
	QRP2E-50		50
	BIT2SE	**#2 Square Bit**	
	BIT2SE-RC3	Bit pack #2 square bit & wrench	3
	BIT2SE-RC10		10
	QRS2E-50		50
	BITL2SE	#2 Square Bit for QDBPC19EF	-
	BIT2S-2-R2 *	#2 Square Bit	2
	BIT2SUE	**#2U Undersized square bit**	
	BIT2SUE-RC3	Bit pack #2U Undersized square bit & wrench	3
	BIT2SUE-RC10		10
	QRSU2E-50		50
	BIT2SU-2-RC3 *	#2U Undersized square bit	3
	BIT3SE	**#3 Square bit**	
	BIT3SE-RC3	Bit pack #3 Square bit & wrench	3
	BIT3SE-RC10		10
	QRS3E-50		50
	BIT3S-2-R2 *	#3 Square Bit	2
	BIT3SUE	**#3 Undersized square bit**	
	BIT3SUE-RC3	Bit pack #3 Undersized square bit & wrench	3
	BIT3SUE-RC10		10
	QRSU3-50		50
	BIT3SU-2-RC3 *	#3 Undersized Square Bit	3
	BITHEXLB516 *	Hex bit 8 mm for QDPROHX516G2	1
	BITLTX20E	**T-20 bit (for QDBPC50E)**	
	BITLTX20E-RC3	Bit pack T-20 long 6 lobe bit for QDBPC50E	3
	BITLTX20E-RC10		10
	BITTX20	**T-20 bit**	
	BITTX20-RC3	T-20 bits	3
	BITTX20-RC10		10
	BITTX25	**T-25 bit**	
	BITTX25-RC3	T-25 bits	3
	BITTX25-RC10		10

* Bits not included with screws. Can be purchased separately.

Please ensure you use the correct bit.
Most boxes of Quik Drive® screws contain a free bit on the underside of the lid.

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Adapters for Screwgun Motors

Corded powertool

Powertool brand	Item nr.	Extension part can be used correct
Bosch®		
GSR 6-25	ABO1E-RC	✓
GSR 6-45		✓
Hitachi®		
W8VB	AHIE-RC	✓
W8VB2		✓
W6VB2		✓
W6VB3		✓
W6VA3		✓
W6VA4		✓
W6V3		✓
W6V4		✓
W6VM		✓
W4YD	Not possible	-

Powertool brand	Item nr.	Extension part can be used correct
Hilti®		
SF4000	AHT2E-RC	Extension can not be removed
SD2500		
SD5000		
SD6000		
ST1800	AHTE-RC	
ST2500		
Makita®		
6842	AMA4E-RC	Extension can not be removed
6843		
FS2300 *)	AMA9E-RC	✓
FS4000 *)		✓
FS6300 *)		✓
SPIT®		
216	ASPITE-RC	✓
217		✓

*) Look at next page for correct mounting of adapter

Adapter Examples:

Bosch® is a trademark of Bosch Tool Corporation. Hilti® is a trademark of Hilti Corporation. Fine is a trademark of C. & E. FEIN GmbH. Hitachi® is a trademark of Hitachi Koki Co. LTD. Holzher® is a trademark of HOLZ-HER U.S. Inc. Kress is a trademark of KRESS-elektrik GmbH & Co. KG. Milwaukee® is a trademark of Milwaukee Electric Tool Corporation, Inc. DeWalt® is a trademark of DeWalt Industrial Tool, Co. Makita® is a Trademark of Makita Corporation. Spit® is a trademark of Illinois Tool Works Inc. Würth® is a trademark of Adolf Würth GmbH & Co. KG.

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Adapters for Cordless Screwgun Motors

Akku powertool

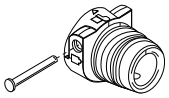
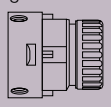
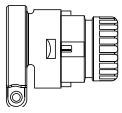
Powertool brand	Item nr.	Extension part can be used correct
Makita®		
BFR550	AMA4E-RC	Extension can not be removed
BFR750		
BFS550	AMA8E-RC	
BFS450		
DFS250 *)	AMA9E-RC	✓
DFS251 *)		✓
BFS451 *)		✓
DFS451 *)		✓
DFS452 *)		✓
SPIT®		
216HDI	ASPITE-RC	✓
Milwaukee®		
FSGC-202X	MIA2G2K	Extension can not be removed

*) Look at next page for correct mounting of adapter

Powertool brand	Item nr.	Extension part can be used correct
Makita®		
BFR550	AMA4E-RC	Extension can not be removed
BFR750		
BFS550	AMA8E-RC	
BFS450		
DFS250 *)	AMA9E-RC	✓
DFS251 *)		✓
BFS451 *)		✓
DFS451 *)		✓
DFS452 *)		✓
SPIT®		
216HDI	ASPITE-RC	✓
Milwaukee®		
FSGC-202X	MIA2G2K	Extension can not be removed

*) Look at next page for correct mounting of adapter

Adapter Installation Instructions

Adapter types		Installation
Pin style		1. Unlock and remove the nose cone from the screw gun 2. Remove the pin from the adapter 3. Place the adapter on the screw gun 4. Push the pin back in * This allows for an easy “No Tools Required” installation and removal of the QD adapter.
Set screw style		1. Unlock and remove the nose cone from the screw gun 2. Remove factory bit 3. Install QD adapter 4. Align flat located on screw gun and set screws located on QD adapter 5. Evenly tighten set screws with wrench provided
Clamp style		1. Unlock and remove the nose cone from the screw gun 2. Remove factory bit 3. Install QD adapter 4. Tighten clamp with single screw to secure QD adapter on screw gun

*) Look at next page for correct mounting of adapter

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Accessories

Description	Item code
Decking nose piece	DNPE
Decking nose Piece Alignment Aid for QD76KE	NPADECKAE-RC
Mandrel 128 mm (QDBPC50E)	MANDREL128E
Mandrel 128 mm (QDBPC50E)	MANDREL128E-RC
Mandrel 131 mm	MANDREL131E-RC
Mandrel 165 mm (QDPRO51 / QDPROPHG2)	MANDREL165E-RC
Mandrel 191 mm (QDPRO64 / QD76 / QDHSD)	MANDREL191E-RC
Mandrel 254 mm (QDPROPP38E)	MANDREL254E
Mandrel (QDPROHX516G2)	BPHX516G2
Nose Piece for QD76 Attachment: 51 mm	NPA2G2
Nose Piece for QD76 Attachment: 64 mm	NPA25G2
Nose Piece for QD76 Attachment: 76 mm	NPA3G2
Nose Piece for QDBPC50E Attachment	NPABPC50E
Feed Pawl for QDPROPH	PFEEDPAWL2E
Feed Pawl for QDHSD60E / QDHSD75E	PFEEDPAWL3E
Feed Pawl for QDPRO64 / QDPRO76SE	PFEEDPAWLE
Feed Pawl for QDPRO51 / QD76	PFEEDPAWLTLE
Nose Clip for QDPRO64E	PNOSECLIP
Deck Clip (QDPRO75SKE)	QDDECKCLIP-RC
Leaf Spring for QD Attachments	QDLEAFSPRING
Leaf Spring for QDPROHX516 Attachment	QDLEAFSPRING2
Spring for QDHSD60E / QDHSD75E	QDSPRING1E
Spring for QDPRO51E	QDSPRING2E
Spring for QDPROHX516G2	QDSPRING3E
Spring for QD76KE	QDSPRING4E
Quiver Pouch for Holding Screw Strips	QUIVER
Replacement attachment for QDPRO51E (excludes nose pieces)	SPA51E
Replacement attachment for QD76KE (excludes nose pieces)	SPA76E
Heavy Duty Case for kits	TOOLCASE-LG
Extension - 51 cm	QDEXTE
Extension - 57 cm	QDEXTG3-22
T bar extension for Makita DFS251, FS2300 and FS2500	QDEXTG2-T2
T bar extension for Hilti ST1800	QDEXTG2-T3

PFEEDPAWL

QDDECKCLIP-RC

PNOSECLIP

QDPROHX516
Leaf Spring

Leaf Spring

Spare Driver Bits
3 pack

BITS
10 pack

Spring

MANDREL

EXTENSION
QDEXTE

EXTENSION
QDEXTG3-22

QUIVER

TOOLCASE-LG

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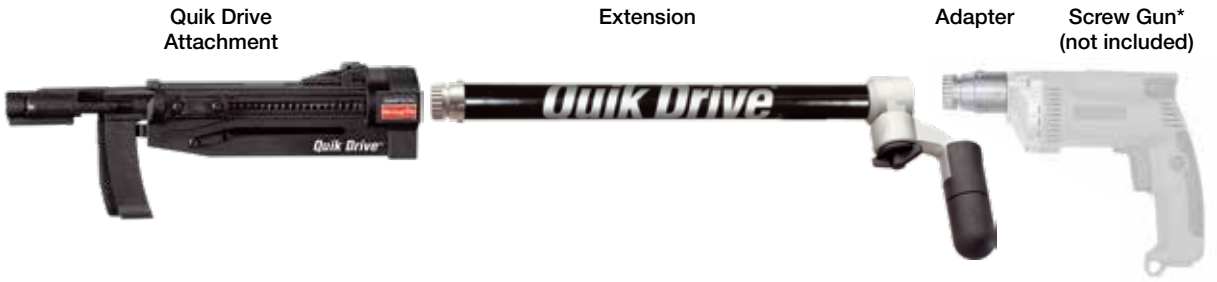
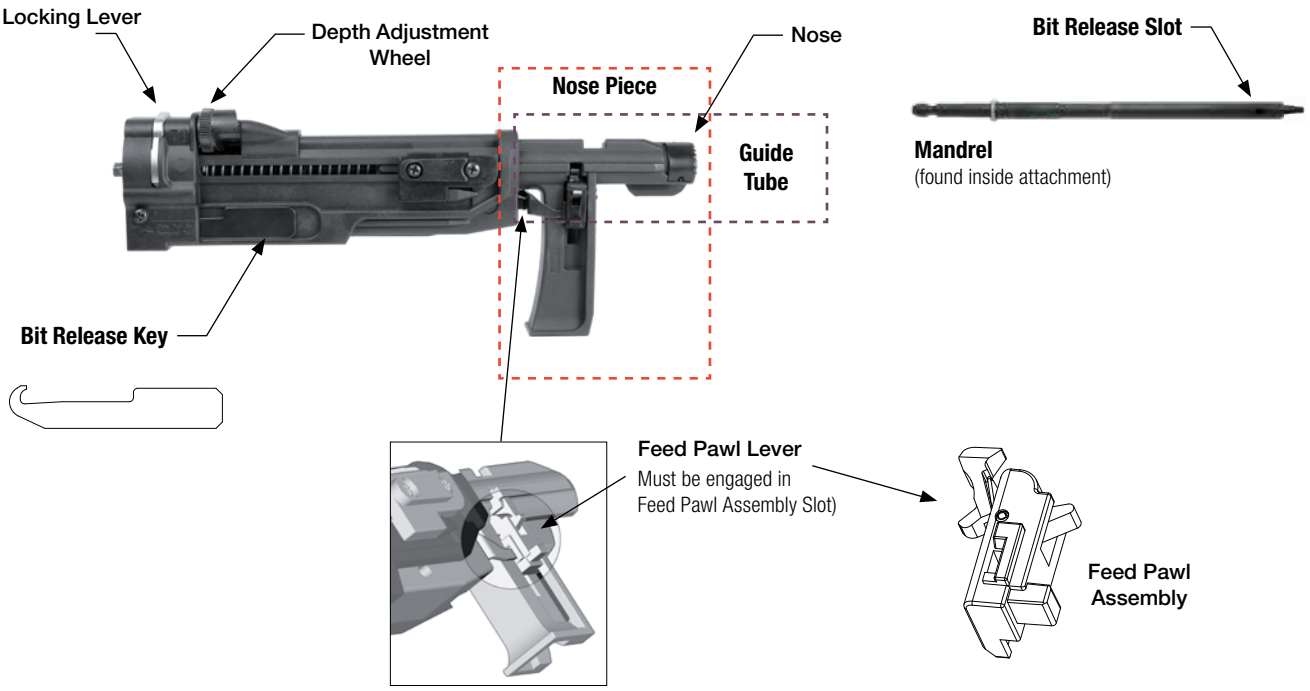
Quik Drive® System Components



* 110v or 240v screw guns are available with some Quik Drive packages, and on request.

Quik Drive® System Features



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Quik Drive® Systems

Quik Drive® Troubleshooting Guide

Symptom	Solution
Screws won't drive. They spin for a second, then lay over on their side.	Make sure the screw gun is not set to reverse. Make sure the screws are being driven straight.
Screws won't drive completely. They go down about halfway, then the bit spins out.	Check that you are using the correct bit for the type of screws you are using or if the bit is worn. Replace in either case. Keep constant pressure on when driving the screws.
Screws won't drive completely. They are almost completely driven but won't countersink fully.	Check the depth adjustment on the attachment and reset if necessary. You may have missed the substrate. For example in a flooring installation you may have missed the joist. Check that all cir-clips and rings have been removed from the front of the driver before the adapter is fitted.
Screws don't advance properly causing the the tool to jam.	Use only Simpson Strong-Tie® Quik Drive® screws. Make sure the screw strip is inserted correctly - pointed end first. Lift the tool completely off the work surface after driving each screw. Don't drag the screw strips on the work surface as you move. Be sure that the feed pawl assembly is intact and the feed lever engaged.

Self-Drilling Screw Troubleshooting Guide

Failure Mode	Likely Cause(s)	Suggested Action
Split at point (web)	Excessive force (feed) applied while drilling	Reduce application force
Outer corners worn or melted	Drill RPM (cutting speed) too high	Use slower motor or partial trigger pull
Cutting edges chipping or breaking	Excessive force (feed) applied while drilling	Reduce application force
Point melted or diameter significantly reduced	• Work material too hard • Insufficient chip clearance • Excessive force (feed) applied while drilling	• Confirm work material specs • Choose screw with longer pilot section • Reduce application force
Screw spins without drilling a hole	• Drill motor set on reverse • Work material too hard • Drill point blunted by handling	• Check motor direction • Confirm work material specs • Inspect unused drill points for possible damage (from handling)

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SIMPSON
Strong-Tie
Quik Drive
Less torque.
Less time.
More fastening.

The patented curved collation strips hold the screws up and away from the work surface, making moving and positioning the tool easier. They are also pointed on the inserted end to simplify loading.

Collated Screws

for the Quik Drive® System

Collated Connectors Screws

CSA/CSA-Z/CSA-S CONNECTOR Screw 284

Collated Wood and Timber Board Screws

WSV Subfloor Screw 285

TTF Wood Fibre Board Screw 285

WSC Wood Flooring Screw, Coarse Thread 286

CHB Wood Fibre to Wood Screw 286

MTH UNDERLAYMENT to Wood or Steel Screw 287

WSHL45E UNDERLAYMENT to Wood Screw 287

FHSD MEZZANINE FLOOR Screw 288

Collated Decking and Cladding Screws

TTFA4 Decking Screw 289

DSIX4 Decking Screw 289

CLSZN-E Wood FACADE Screw Screw 290

SSDTH Wood Cladding and Decking Screw 290

SS3DSC Decking Screw 291

SSDHPD Hardwood-Decking Screw 292

SSDHSD Hardwood-Decking Screw 292

DTHQ Trim Head Wood Screw 293

SSBFHSD Bi-Metal WOOD to METAL Screw 293

Collated Drywall Screws

DWC/DWCZ DRYWALL to Wood Screw 294

DWF/DWFZ/DWFSD DRYWALL to Steel Screw 295

DWHL DRYWALL to Wood and Steel Screw 296

RDWF DRYWALL to Wood and Steel Screw 296

RDPF DIAMOND BOARD® to Wood and Steel Screw 297

RTFSD HARD-DRYWALL to Steel Screw 297

Collated Specialty Screws

CBSDQ FIBRE CEMENT BOARD to Steel Screw 298

CB3BLGHL Fibre Cement Board to Wood Screw 298

FBCS-E/FBCB-E FIBRE CEMENT Screw 299

TBG TRUCK BED Screw, Outdoor 299

PCULP Standing-Seam Roofing Screw 300

SSWSCB Tile Roofing Screw, Coarse Thread 301

X Self-Drilling Metal Screw 301

PHSD Steel Framing Screw, Pan Head 302

FPHSD Steel Framing Screw, Flat Head 302

Quik Drive® Collated Connector Screws

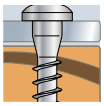
Solid-Drive™ CSA **CONNECTOR** Screw

Simpson Strong-Tie Connectors to Timber

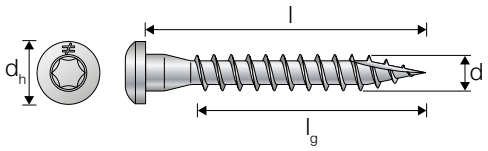
The Solid-Drive™ CSA connector screw is developed for installing of Simpson Strong-Tie® connectors to wood, in order to obtain the published load bearing capacities.

The conical shape under the head secures full contact to the connector, which increases the transfer of force. A fixed connection with larger cross-bearing capacity than for standard screws is obtained. The 6 lobe recess helps to fix the screw during insertion.

- ETA approved (ETA-04/0013)
- UKTA approved (UKTA-22/6512)
- Conical shape under the head for maximum fit in metal holes
- Type 17 cut point reduces the risk of wood splitting during the installation
- Deep 6-lobe recess provides improved control and greater bit life
- Bit (BITLTX20E) included

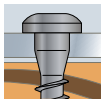


Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

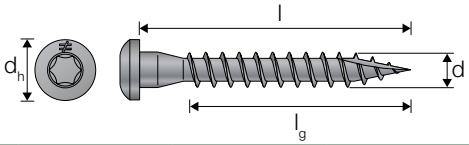


CSA Electro Galvanised

Model No.	Dimensions [mm]				Qty per Strip	Qty per Pack	Recommended RPM	QDBPC50E
	d_h	d	l	l_g				
CSA5.0X35T	8.3	5.0	35	29	25	1500	2500-4000	✓
CSA5.0X40T	8.3	5.0	40	34	25	1500	2500-4000	✓
CSA5.0X50T	8.3	5.0	50	34	25	1000	2500-4000	✓



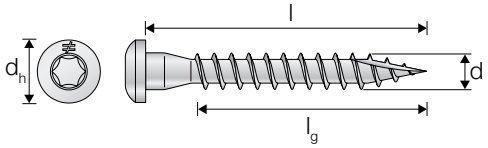
Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CSA-ZT Impreg®+ Coating

Model No.	Dimensions [mm]				Qty per Strip	Qty per Pack	Recommended RPM	QDBPC50E
	d_h	d	l	l_g				
CSA5.0x35ZT	8.3	5.0	35	29	25	1500	2500-4000	✓
CSA5.0x40ZT	8.3	5.0	40	34	25	1500	2500-4000	✓

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5



CSA-S Stainless Steel A4

Model No.	Dimensions [mm]				Qty per Strip	Qty per Pack	Recommended RPM	QDBPC50E
	d_h	d	l	l_g				
CSA5.0X35ST	8.3	5.0	35	29	25	1500	2500-4000	✓
CSA5.0X40ST	8.3	5.0	40	34	25	1500	2500-4000	✓

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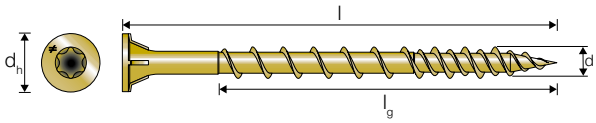
Solid-Drive™ WSV **SUBFLOOR** Screw

Chipboard to Timber, Plywood to Timber, OSB to Timber

Simpson Strong-Tie has re-engineered its popular subfloor screws to reduce driving force and increase installation speed. The WSV Subfloor screw has been developed for fastening subfloor sheathing to wood and I-joist framing using the Quik Drive® auto-feed screw driving system.

- Redesigned point and thread pattern provide easy starts and up to 25% less torque — which leads to faster driving
- Less installation torque also means less wear on tools
- Deep 6-lobe recess and ribbed underhead provide secure bit retention and clean countersinking
- The holding power of WSV screws reduces the gaps between the joist and subfloor that cause floor squeaks
- WSV screws can be easily backed out, allowing for future access to floor cavities
- CE-marked according to EN14592

Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



WSV Yellow Zinc Plated

Model No.	Dimensions [mm]				Qty per Strip	Qty per Pack	Recommended RPM	Bit	QDPRO64E	QDPRO76SKE
	d	l	d_h	l_{g1}						
WSV44E	4.6	44	8.46	31	30	2000	2500	T-25	✓	✓
WSV51E	4.6	51	8.46	37	30	2000	2500	T-25	✓	✓
WSV64E	4.6	64	8.46	50	30	1500	2500	T-25	✓	✓
WSV76E	4.6	76	8.46	55	30	1000	2500	T-25		✓

TTF **WOOD FIBRE BOARD** Screw

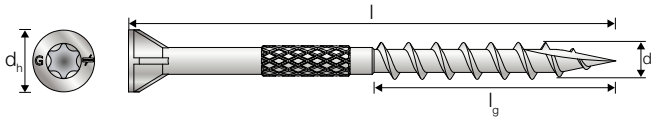
Chipboard to Timber, Plywood to Timber, OSB to Timber

The TTF wood fibre board screw is used indoors for fastening OSB, chipboard and plywood to wood battens. The screws has a cutpoint, which effectively drives the screws into hard wood.

Features:
- 6 Lobe drive
- Flat head with nibs
- Coarse thread
- Type 17 point

Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5

NEW



TTF Electro Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO64E	QDPRO76E
	d_h	d	l					
TTF35E	7.0	4.2	35	30	2500	2500	✓	✓
TTF45E	7.0	4.2	45	30	2000	2500	✓	✓
TTF55E	7.0	4.2	55	30	2000	2500	✓	✓

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Quik Drive® Collated Wood Flooring Screws

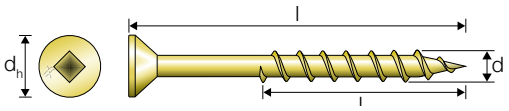
WSC **WOOD FIBRE BOARD** Screw

Chipboard to Timber, Plywood to Timber, OSB to Timber

WSC is a screw with a sharp point and coarse thread, suitable for wood to wood applications such as flooring.

- Wood to wood applications
- Coarse thread
- WSC32E has Type 17 point and nibs under the head
- WSC38E has a sharp point without nibs under the head
- Bit (BIT2SE) included

Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



WSC Yellow Zinc Plated

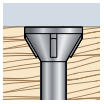
Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l					
WSC32E	8.4	4.2	32	30	2500	2500	✓	✓
WSC38E	8.4	4.2	38	30	2000	2500	✓	✓

CHB **WOOD FIBRE BOARD** Screw

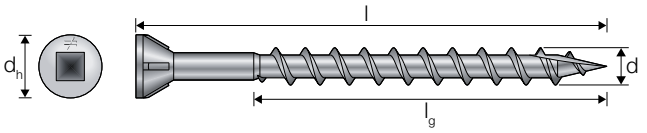
Chipboard to Timber, Plywood to Timber, OSB to Timber

CHB is a wood fibre to wood screw, suitable for installing chipboard, plywood and OSB board to wood.

- Flat head with ribs
- Coarse thread
- Type 17 point
- Bit (BIT2SE) included



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CHB Electro Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QDPR064E	QD76KE
	d_h	d	l						
CHB51E	6.9	4.1	51	30	2000	2500	✓	✓	✓

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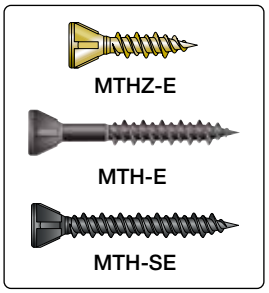
Collated Underlayment and Board Screws

MTH **UNDERLAYMENT** to Wood or Steel Screw

Plywood to Timber/Steel , OSB to Timber/Steel, Fermacell Board to Timber/Steel

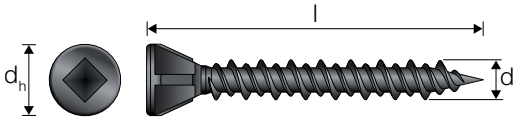
The MTH underlayment screw is designed for fast and secure underlayment to subfloor installations. Unlike nails, the MTH underlayment screw has an intricate thread pattern designed to prevent squeaking by holding underlayment tight to the subfloor and thus preventing withdrawal. Its compact trim-head allows for a flush surface and prevents floor coverings from settling in countersink recesses.

MTH is a ribbed head screw with sharp point suitable for plywood or OSB to wood installations, such as flooring.



- Recommended for installing Fermacell board to steel up to 0.9 mm thickness
- Deep recessed square drive holds bits tight, reducing cam-outs
- High-low thread for easy driving and holding underlayment tight
- Specially-designed sharp point for fast starts
- Trim-Head with nibs for easy countersinking
- Bit (BIT2SE) included

Phosphated/Yellow Zinc
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



MTHE / MTHSE / MTHZE

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDBPC19EF	QDPRO51E	QD76KE
	d_h	d	l						
MTHZ19E **	6.9	3.8	19	50	1500	2500	✓		
MTHZ25E **	6.9	3.8	25	30	2500	2500-4000		✓	✓
MTH25E *	6.9	3.8	25	30	2500	2500-4000		✓	✓
MTH32E *	6.9	3.8	32	30	2500	2500-4000		✓	✓
MTH32SE *	6.9	3.8	32	30	2500	2500-4000		✓	✓

* Grey phosphate finish
** Yellow zinc plated

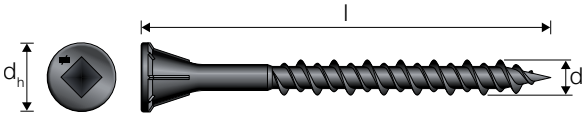
WSHL45E **UNDERLAYMENT** to Wood Screw

Subfloor to Wood, Fermacell Board to Steel

WSHL45E is designed for fast and secure fixing of fibreboard/Fermacell to wood/steel. Also suitable for fixing timber to timber such as flooring applications.

- Rimmed flat head with nibs for easy countersinking
- High-low thread
- Sharp point
- Bit (BIT2SE) included

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



WSHL45E Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO51E	QD76KE
	d_h	d	l					
WSHL45E	6.9	3.8	45	30	2000	2500-4000	✓	✓

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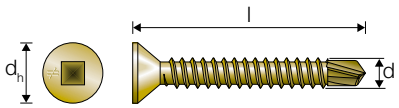
FHSD **MEZZANINE FLOOR** Screw

Wood to Light Gauge Steel (2.0 to 4.0 mm thickness)

FHSD is a drill point screw suitable for wood to light gauge steel installations such as mezzanine floors.

- Drill point to help clear hole and penetrate steel
- Bit (BIT2SE) included

Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



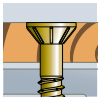
FHSD Yellow Zinc Plated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO51E	QD76KE
	d_h	d	l					
FHSD32E0818	8.0	4.1	32	23	2500	1000-2500	✓	✓

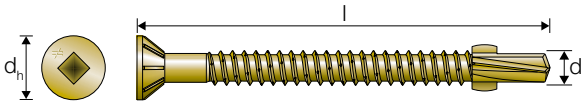
Wood to Light Gauge Steel (2.0 to 4.0 mm thickness)

FHSD is a ribbed head screw with a winged drill point suitable for wood to light gauge steel installations such as mezzanine floors.

- Winged drill point to help clear hole and penetrate steel
- Bit (BIT3SE) included
- Countersunk head with ribs



Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FHSD Yellow Zinc Plated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDHSD60E	QDHSD75E
	d_h	d	l					
FHSD45E	9.9	5.5	45	23	750	1000-2500	✓	
FHSD64E	9.9	5.5	64	23	750	1000-2500	✓	✓

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Collated Underlayment and Board Screws

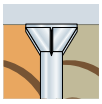
Deck·Drive™ TTFA4 **DECKING** Screws

Available from fall of 2024.

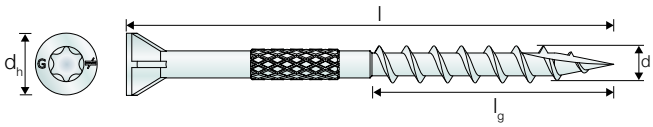
Decking Boards to Timber

Suitable for marine environments and industrial atmospheres. The TTFA4 screw will not discolour the woodwork around the screw head. Also suitable for precious woods such as oak, cedar or larch. The screw has a 6 lobe recess to ensure good grip and a cutpoint, which effectively drives the screw into the woodwork and counteracts splitting.

Features:
- 6 Lobe drive
- Flat head with nibs
- Coarse thread
- Type 17 point



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



TTFA4-E Stainless Steel A4

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR064E	QDPR076E
	d_h	d	l					
TTFA455E	7.0	4.2	55	30	2000	2500	✓	✓

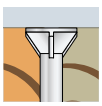
Deck·Drive™ DSIX4 **DECKING** Screws

Available from fall of 2024.

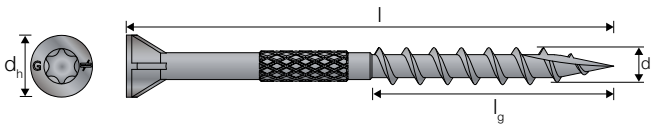
Decking Boards to Timber

The DSIX4 decking screws are designed for treated wood. The screws have a 6 lobe recess to ensure good grip. The type 17 point drives the screw efficiently and prevents wood splitting.

Features:
- 6 Lobe drive
- Flat head with nibs
- Coarse thread
- Type 17 point



Impreg®X4
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



DSIX4-E Impreg® X4 Coating

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR064E	QDPR076E
	d_h	d	l					
DSIX455E	7.0	4.2	55	30	2000	2500	✓	✓

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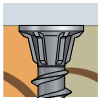
Quik Drive® Collated Cladding/Decking Screws

Deck·Drive™
CLSZN Wood **FACADE** Screw

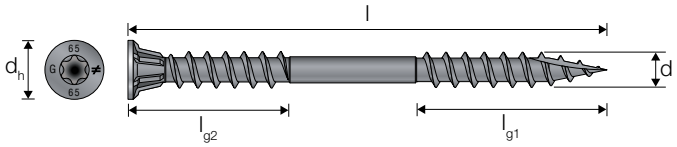
Wood facades to wood

Made for outdoor wood cladding. The flat head with fiber lock technology protects the wood from moisture, and the double thread ensures sufficient insertion, even in high density wood without the risk of spin-off.

- 6 lobe drive
- Flat head with fiber lock technology
- Double threaded
- Extreme ductility



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



CLSZN-E Impreg®+ Coating

Model No.	Dimensions [mm]					Qty per Strip	Qty per Pack	Recommended RPM	QDPRO76SKE
	d_h	d	l	l_{g1}	l_{g2}				
CLSZN48E	8.0	4.8	48	26	18	30	1000	2500	✓
CLSZN65E	8.0	4.8	65	26	22	30	1000	2500	✓
CLSZN70E	8.0	4.8	70	26	30	30	1000	2500	✓

Each kit includes BITTX20 driver bit.

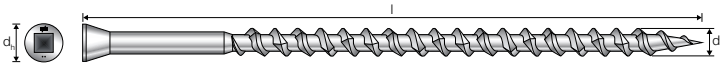
Deck·Drive™
SSDTH **WOOD CLADDING** and **DECKING** Screw

Wood Cladding, Wood Decking

SSDTH is a stainless steel screw with a trim head and sharp point tip suitable for wood cladding & decking installation.

- Suitable for external use
- Sharp point
- Box thread
- 305 grade stainless steel
- Bit (BIT2SE) included

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



SSDTH Stainless Steel A2

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QD76KE	QDPRO76SKE	QDPRORFE
	d_h	d	l						
SSDTH51E	6.3	4.2	51	30	1000	2500	✓	✓	✓
SSDTH64E	6.3	4.2	64	30	1000	2500	✓	✓	✓
SSDTH76E	6.3	4.2	76	30	1000	2500	✓	✓	

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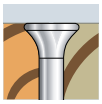
Quik Drive® Collated Decking Screws

Deck-Drive™
SS3DSC **DECKING** Screw

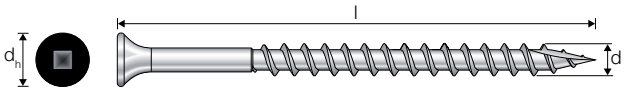
Wood Decking

SS3DSC is a stainless steel screw designed for wood decking to wood.

- Suitable for external use
- Sharp point
- Coarse thread
- Bit (BIT3SE) included

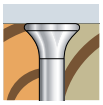


Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX

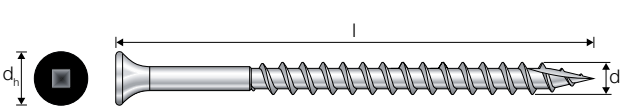


SS3DSC Stainless Steel A2

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO76SKE	QDPRORFE
	d_h	d	l					
SS3DSC64BE	8.5	4.9	64	30	1500	2500	✓	✓
SS3DSC76BE	8.5	4.9	76	30	1000	2500	✓	



Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



SS3DSC Stainless Steel A4

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO76SKE	QDPRORFE
	d_h	d	l					
SS3DSC64BE316	8.5	4.9	64	30	1500	2500	✓	✓
SS3DSC76BE316	8.5	4.9	76	30	1000	2500	✓	

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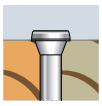
Deck-Drive™
SSDHPD **HARDWOOD-DECKING** Screw

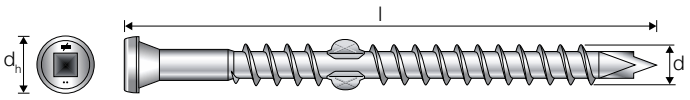
Hardwood Decking Boards to Timber

SSDHPD is a stainless steel screw designed for hardwood decking to wood.

- Paddle point to penetrate the hardest wood products without predrilling
- Compact cap head ensures a low-profile installation and reduced visibility
- Wings on the shaft counter-bore hard material and allow the head to countersink for a clean look
- Bit (BIT2SE) included



Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



SSDHPD Stainless Steel A2

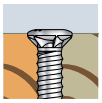
Reference	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO76SKE	QDPRORFE
	d_h	d	l					
SSDHPD64E	6.9	5.0	64	30	1000	2500	✓	✓

Deck-Drive™
SSDHSD **HARDWOOD-DECKING** Screw

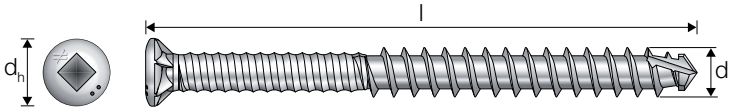
Hardwood Decking Boards to Timber

SSDHSD is a stainless steel screw with a ribbed head and drill point tip suitable for hardwood decking installation.

- Tapered point for effortless driving witout pre-drilling
- Countersunk head with ribs
- Fine thread helps pull the deckboard tight against the structure
- Suitable for external use
- Bit (BIT2SE) included



Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



SSDHSD Stainless Steel A2

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO76SKE
	d_h	d	l				
SSDHSD50E	7.2	5.3	50	30	1000	2500	✓

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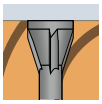
Quik Drive® Collated Wood Screws

Deck-Drive™
DTHQ Trim Head **WOOD** Screw

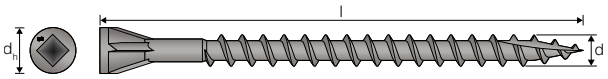
Wood Decking and General Timber Fastening

DTHQ is a ribbed head screw with a type 17 point and coarse thread, suitable for wood to wood applications.

- Ribbed head
- Type 17 point
- Coarse thread
- Bit (BIT2SUE) included



Quik Guard® Coating



DTHQ Quik Guard® Coating

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO64E	QD76KE	QDPRO76SE
	d_h	d	l						
DTHQ51E	6.2	4.2	51	30	2000	2500	✓	✓	✓
DTHQ64E	6.2	4.2	64	30	1500	2500	✓	✓	✓
DTHQ76E	6.2	4.5	76	30	1000	2500		✓	✓

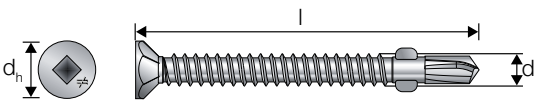
Deck-Drive™
SSBFHSD Bi-Metal **WOOD** to **METAL** Screw

Timber to Steel Joists

The SSBFHSD bi-metal screw is designed for timber to steel joist (1.2–2.4 mm steel thickness) applications. The winged design cuts a clearance hole. The bi-metal design consists of 316 stainless steel and a carbon steel tip which is perfect for steel joist applications without compromising on corrosion resistance.
Pre-drilling and countersink may be necessary at ends, butt joints, and on applications where denser material is used. Follow board manufacturers recommendations where applicable.

- Drives easily through 1.2–2.4 mm steel without predrilling
- A4 Stainless steel for severe corrosion resistance
- Winged design avoids sheet ride
- Zinc coating to avoid dissimilar metal corrosion
- Timber-to-steel decking
- Maximum recommended board thickness 28 mm
- Recommended steel thickness 1.2–2.4 mm

Stainless Steel
C5 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A4 INOX



SSBFHSD Stainless Steel A4 with carbon steel tip

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPROLDHG2
	d	l	d_h				
SSBFHSD2SE	4.9	50	8.5	25	1000	2500	✓

Each kit includes BIT2SE driver bit.

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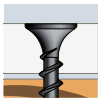
Quik Drive® Collated Drywall Screws

DWC/DWCZ **DRYWALL** to Wood Screw

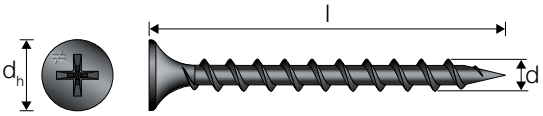
Drywall Board to Wood

DWC is a bugle head screw with a sharp point tip suitable for drywall board to wood installation.

- Bugle head
- Sharp point with coarse thread
- Bit (BIT2PE) included

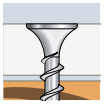


Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

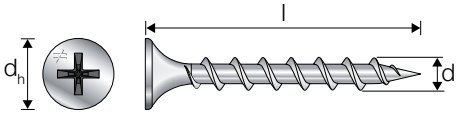


DWC Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l					
DWC3525PE	8.2	3.5	25	30	2500	2500-6000	✓	✓
DWC3535PE	8.2	3.5	35	30	2500	2500-6000	✓	✓
DWC3540PE	8.2	3.5	40	30	2500	2500-6000	✓	✓
DWC3545PE	8.2	3.5	45	30	2000	2500-6000	✓	✓
DWC3550PE	8.2	3.5	50	30	2000	2500-4500	✓	✓
DWC3925PE	8.2	3.9	25	30	2500	2500-6000	✓	✓
DWC3930PE	8.2	3.9	30	30	2500	2500-6000	✓	✓
DWC3935PE	8.2	3.9	35	30	2500	2500-6000	✓	✓
DWC3940PE	8.2	3.9	40	30	2500	2500-6000	✓	✓
DWC3945PE	8.2	3.9	45	30	2000	2500-4500	✓	✓
DWC3955PE	8.2	3.9	55	30	2000	2500-4500		✓
DWC3965PE	8.2	3.9	65	30	1500	2500-4500		✓



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



DWCZ Electro Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l					
DWCZ3930PE	8.2	3.9	30	30	2500	2500-6000	✓	✓
DWCZ3941PE	8.2	3.9	41	30	2500	2500-6000	✓	✓

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Quik Drive® Collated Drywall Screws

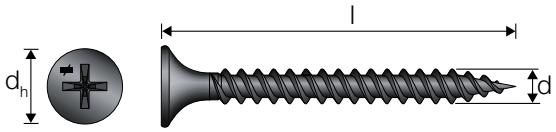
DWF/DWFZ/DWFSD **DRYWALL** to Steel Screw

Drywall Board to Light Gauge Steel (0.6 to 0.9 mm thickness)

DWF is a bugle head screw with a sharp point tip suitable for drywall board to light gauge steel installation. DWFSD is a self drilling screw with a fine thread, designed to fix drywall panels to steel of thicknesses 1.2 mm to 2.2 mm.

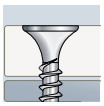
- Bugle head
- Sharp point with fine thread
- Bit (BIT2PE) included

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

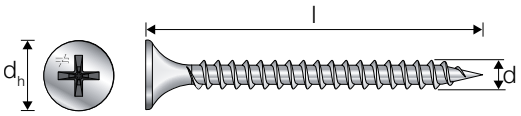


DWF Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO51E	QD76KE
	d_h	d	l					
DWF3525PE	8.2	3.5	25	30	2500	2500-6000	✓	✓
DWF3535PE	8.2	3.5	35	30	2500	2500-6000	✓	✓
DWF3540PE	8.2	3.5	40	30	2500	2500-6000	✓	✓
DWF3545PE	8.2	3.5	45	30	2000	2500-6000	✓	✓
DWF3925PE	8.2	3.9	25	30	2500	2500-6000	✓	✓
DWF3930PE	8.2	3.9	30	30	2500	2500-6000	✓	✓
DWF3935PE	8.2	3.9	35	30	2500	2500-6000	✓	✓
DWF3940PE	8.2	3.9	40	30	2500	2500-6000	✓	✓
DWF3945PE	8.2	3.9	45	30	2000	2500-6000	✓	✓

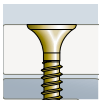


Electro Galvanised
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5

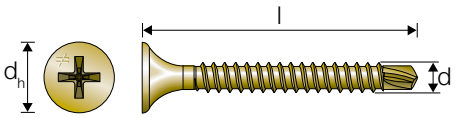


DWFZ Electro Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO51E	QD76KE
	d_h	d	l					
DWFZ3530PE	8.2	3.5	30	30	2500	2500-6000	✓	✓
DWFZ3541PE	8.2	3.5	41	30	2500	2500-6000	✓	✓



Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



DWFSD Yellow Zinc Plated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPRO51E	QD76KE
	d_h	d	l					
DWFSD32PE	8.2	3.4	32	30	2500	2500	✓	✓
DWFSD41PE	8.2	3.4	41	30	2500	2500	✓	✓

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Quik Drive® Collated Drywall Screws

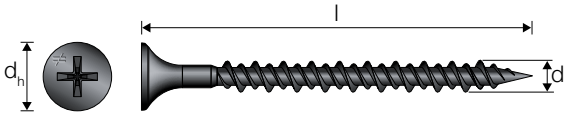
DWHL **DRYWALL** to Wood and Steel Screw

Drywall Board to Wood or Light Gauge Steel (0.6 to 0.9 mm thickness)

DWHL is a bugle head screw with a sharp point tip suitable for drywall board to wood or steel installation.

- Bugle head
- Sharp point with high-low thread
- Bit (BIT2PE) included

Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



DWHL Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l					
DWHL48PE	8.2	3.8	48	30	2000	2500-6000	✓	✓

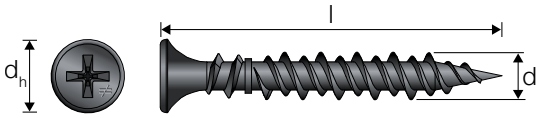
RDWF **DRYWALL** to Wood and Steel Screw

Drywall Board to Wood or Light Gauge Steel

RDWF is a reduced bugle head screw suitable for installing drywall or hard drywall board to wood or steel.

- Reduced bugle head
- Sharp point
- High-low thread with reverse thread
- Bit (BIT2PE) included

Phosphated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



RDWF Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l					
RDWF30BE	6.3	4.2	30	30	2500	2500-4000	✓	✓
RDWF40BE	6.3	4.2	40	30	2500	2500-4000	✓	✓

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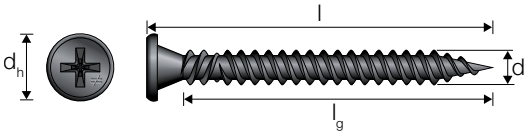
RDPF **DIAMOND BOARD®** to Wood and Steel Screw

Diamond Board® to Wood or Light Gauge Steel

RDPF is a fine threaded screw with a sharp point tip suitable for installing Diamond Board® to wood or steel.

- Sharp point
- Fine thread with reverse thread to aid countersinking of head
- Special for Diamond-board
- Bit (BIT2PE) included

Phosphated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



RDPF Phosphated

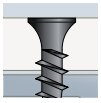
Model No.	Dimensions [mm]				Qty per Strip	Qty per Pack	Recommended RPM	QDPR051E	QD76KE
	d_h	d	l	l_g					
RDPF40PE	7.8	4.2	40	35.8	30	2500	2500-4000	✓	✓

RTFSD **HARD-DRYWALL** to Steel Screw

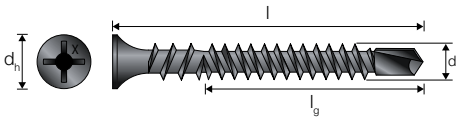
Hard-Drywall to Ligh Gauge Steel

Drywall screw with drillpoint for hard plasterboard on reinforced steel.

- Reduced bugle head
- Phosphated coating
- Steel thickness 1.0 mm to 2.0 mm
- Free bit (BIT2PE) included



Phosphated
C1 acc. to EN ISO 12944-2
SC1 - 50 years acc. to EC5



RTFSD Phosphated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051	QD76KE
	d_h	d	l					
RTFSD25E	6.2	3.9	25	30	2500	2500	✓	✓
RTFSD35E	6.2	3.9	38	30	2500	2500	✓	✓

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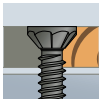
CBSDQ **FIBRE CEMENT BOARD** to Steel Screw

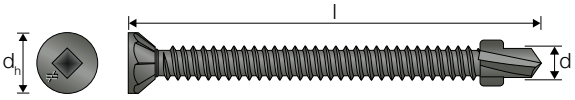
Fibre Cement Board Cladding to Steel (1.0 to 3.0 mm thickness)

CBSDQ is a ribbed head screw with a drill point tip suitable for fibre cement board/wood to steel installations such as in modular housing construction. Also suitable for timber to steel applications.

- Ideally suited to modular housing construction
- Ribbed head
- Drill point with wings
- Bit (BIT2SUE) included



Quik Guard® Coating



CBSDQ Quik Guard® Coating

Model No.	Head Diameter (mm)	Thread Diameter (mm)	Length (mm)	Thread length (mm)	Qty per Strip	Qty per Pack	Recommended RPM	QDPRO64E	QDPRO76SKE
CBSDQ41E	8.4	4.2	41	30	30	1500	1700-2500	✓	✓
CBSDQ55E	8.4	4.8	57	45	30	1000	1700-2500	✓	✓

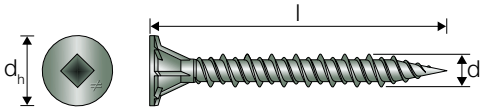
CB3BLGHL **FIBRE CEMENT BOARD** to Wood Screw

Fibre Cement Board Cladding to Wood

CB3BLGHL is a ribbed head screw with a drill point tip suitable for fibre cement board to wood installations.

- Ribbed head
- Sharp point with high-low thread
- Cement board to wood applications
- Bit (BIT2SE) included

Mechanically Galvanised



CB3BLGHL C3 Mechanically Coating

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPROLDHG2
	d_h	d	l				
CB3BLGHL32E	9.7	4.5	32	22	1500	4000	✓
CB3BLGHL41E	9.7	4.5	41	22	1500	4000	✓

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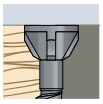
FBCS-E **FIBRE CEMENT** Screw

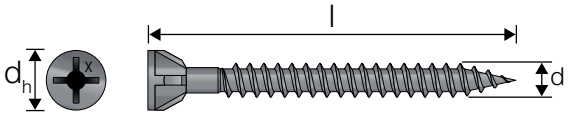
Fibre Cement Board Cladding to Wood or Steel

Quik Drive collated FBCS screws are used in humid conditions both indoor and outdoor. They are particularly suited for fixing fibre cement boards to wood or steel joists with a maximum thickness of 1.0 mm.

- PH drive
- Countersunk head with ribs
- Sharp point
- Fibre cement to steel or wood



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FBCS-E Impreg®+ Coating

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051	QD76KE
	d_h	d	l					
FBCS25E	6.8	3.9	25	30	2500	2500-4000	✓	✓
FBCS35E	6.8	3.9	35	30	2500	2500-4000	✓	✓
FBCS45E	6.8	3.9	45	30	2000	2500-4000	✓	✓

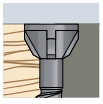
Each kit includes BIT2PE driver bit.

FBCB-E **FIBRE CEMENT** Screw, Drillpoint

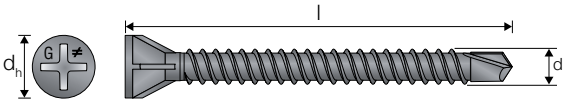
Fibre Cement Board Cladding to Steel (max. 2.0 mm thickness)

Quik Drive collated FBCB screws are used in humid conditions both indoor and outdoor. They are particularly suited for fixing fibre cement boards to steel joists with a maximum thickness of 2.0 mm.

- PH drive
- Countersunk head with ribs
- Drill point
- Fibre cement to steel



Impreg®+
C4 - 15 years acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FBCB-E Impreg®+ Coating

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPR051	QD76KE
	d_h	d	l					
FBCB25E	6.8	3.9	25	30	2500	2500	✓	✓
FBCB35E	6.8	3.9	35	30	2500	2500	✓	✓

Each kit includes BIT2PE driver bit.

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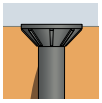
TBG **TRUCK BED** Screw, Outdoor

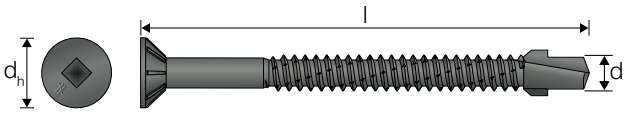
Wood to Steel (2.0 to 5.0 mm thickness)

Suitable for fixing plywood or wood to steel or aluminium frames, the TBG is ideal use when fitting out truck beds.

- Ribbed Head
- Winged drill point to help clear hole and penetrate steel
- Bit (BIT3SUE) included



Mechanically Galvanised



TBG N2000 Mechanically Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDHSD60E / QDHSD75E
	d_h	d	l				
TBG645E	11.7	6.1	45	23	1000	1000-2500	✓
TBG660E	11.7	6.1	60	23	750	1000-2500	✓

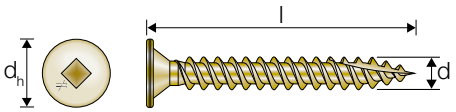
PCULP **STANDING SEAM ROOFING** Screw

Standing Seam Panels to Wood

PCULP screw for installing standing-seam-roofing (or “snap and seam”) panels to wood.

- Ultra low profile pancake head
- Type 17 point
- Straight collation
- Yellow zinc dichromate
- Bit (BIT2SE) included

Yellow Zinc Plated
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



PCULP - Yellow Zinc Plated

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPROPP38
	d_h	d	l				
PCULP40BE1012	10.3	5	40	30	1500	2500	✓

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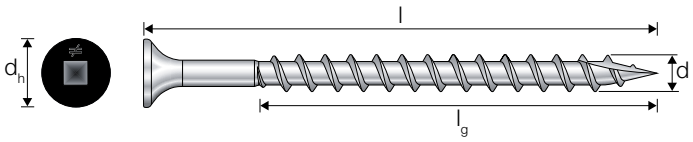
SSWSCB **TILE ROOFING** Screw, Coarse Thread

Tile Roofing to Wood

SSWSCB is a stainless steel screw with a bugle head, coarse thread and a type 17 point. It is ideally suited to fastening roof tiles to wood.

- Suitable for external use
- Type 17 point
- Coarse thread
- Bit (BIT2SE) included

Stainless Steel
C4 acc. to EN ISO 12944-2
SC3 - 50 years acc. to EC5
A2 INOX



SSWSCB Stainless Steel A2

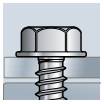
Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QD76KE	QDPRO76SKE	QDPRORFE
	d_h	d	l						
SSWSCB32E	8.4	4.6	32	30	2500	2500	✓	✓	✓
SSWSCB51E	8.4	4.6	51	30	2000	2500	✓	✓	✓

X **SELF-DRILLING METAL** Screw

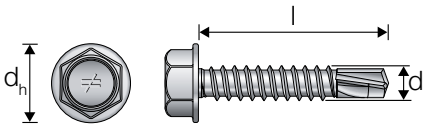
Steel Decking to Structural Steel

Self drilling screw for steel decking to structural steel, steel stitching (“side-lap” stitching) and cold-formed steel framing applications.

- 8 mm hex head
- #3 drill point
- Hex washer head
- Straight collation



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



X Electro Galvanised

Model No.	Dimensions [mm]			Qty per Strip	Qty per Pack	Recommended RPM	QDPROHX516G2	QDPROPP38KE
	d_h	d	l					
X25E1016	8	4.7	25	22	1500	2500	✓	✓
X1S1214	8	5.5	25	22	1500	2500	✓	✓

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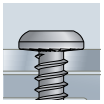
PHSD **STEEL FRAMING** Screw, Pan Head

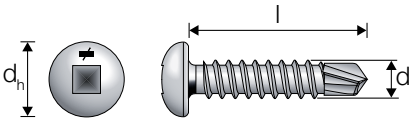
Light Gauge Steel Framing (0.9 to 2.5mm thickness)

PHSD is a self-drilling pan head screw with a drill point tip suitable for light gauge steel frame assembly.

- Pan head
- #2 Drill point with fine thread
- Free bit (BIT2SE) included



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



PHSD Electro Galvanised

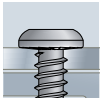
Model No.	Dimensions [mm]			Steel thickness (mm)	Qty per Strip	Qty per Pack	Recommended RPM	QDPROPHG2
	d_h	d	l					
PHSD34S0818	8	4.1	19	0.9-2.5	23	2500	2500	✓

FPHSD **STEEL FRAMING** Screw, Flat Head

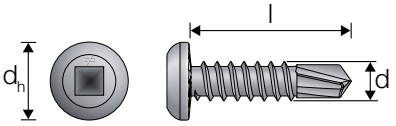
Light Gauge Steel Framing (2.8 to 5.3mm thickness)

FPHSD is a self-drilling flat pan head screw with a drill point tip suitable for light gauge steel frame assembly.

- Flat pan head
- Drill point with fine thread
- Bit (BIT3SE) included



Electro Galvanised
C1 acc. to EN ISO 12944-2
SC2 - 50 years acc. to EC5



FPHSD Electro Galvanised

Model No.	Dimensions [mm]			Steel thickness (mm)	Qty per Strip	Qty per Pack	Recommended RPM	QDPROPHG2
	d_h	d	l					
FPHSD34S1016	9	4.8	19	2.8-4.4	23	2500	2500	✓
FPHSD34S1214	9	5.5	19	2.8-5.3	23	2500	2500	✓

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- **Time saving** - Quicker and easier than doing manual calculations
- **Safety** - Removes any doubt in the precision of your manual calculations
- **Product guide** - Helps you find the correct product for your application

The software generates a PDF-report that can be used as documentation for the project.

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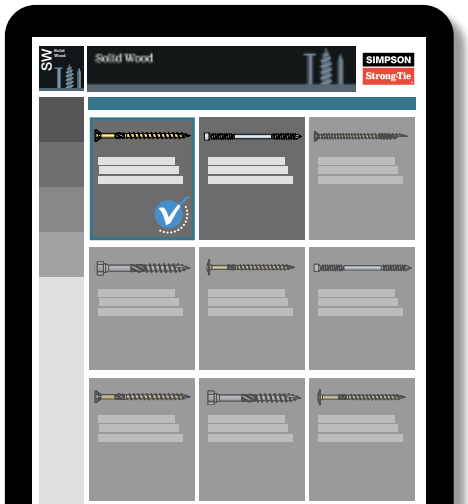

Calculation in four simple steps.

1 2 3 4

Notes

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