Foundation screws & structures for outdoor constructions

WEBSYF



A CONCRETE-FREE FOUNDATION SYSTEM FAST AND ECO-FRIENDLY WITH ONE-PERSON INSTALLATION!



Weasyfix, Foundation screws & structures for outdoor constructions

Founded in 2015, Weasyfix develops and markets **professional &** eco-responsible Foundation SCREW SOLUTIONS FOR OUTDOOR CONSTRUCTIONS.

These solutions are based on galvanised steel foundation screws **DRIVEN** into the ground **USING HANDHELD TOOLS.** Foundation screws can be unscrewed, reused and recycled at the end of their life.

This smart system **RepLaces** concrete and avoids its major disadvantages. With foundation screws, there is no need to dig holes, remove the soil and pour concrete.

Weasyfix has forged its reputation as the leader in foundation screws for exterior constructions by offering not just a range of foundation screws, but also a comprehensive array of innovative solutions based on:

- A selection of foundation screws to suit all types of soil and terrain.
- Connectors engineered to guarantee simple and reliable connections between the foundation screws and the supported structures.
- Handheld machines for easy and effective installation.





PATENTS &

450+ STORES



REGISTERED DESIGNS

50+ POSSIBLE APPLICATIONS

weasyfix.eu FOR YOUR QUESTIONS AND ESTIMATES

Weasyfix concept

Installation	6
TOOLS	6
INSTALLATION	8

Our products

FOUNDATION SCREWS	
& BASE PLATES	10
CONNECTORS	12
PROFILES	14
ACCESSORIES & OTHER PRODUCTS	15

Advantages with Weasyfix 16

Weasycalc calculator	17
Our solutions	18

TERRAGE	10
TERRACES	18
	24
WITH FLOORING	24
FLOORLESS	
CONSTRUCTIONS	28
SOLAR PANELS	34
ENCLOSURES & FENCES	36
SINGLE POSTS	38

Our projects

Our main products



40

3

10











TOOLS

Find out more weasyfix.eu

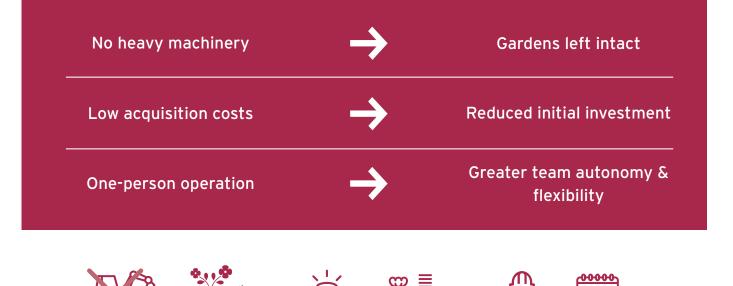


Advantages of handheld machines:

Weasyfix is the only company on the market to offer electric and air handheld tools for installing foundation screws. This system offers major advantages over traditional installation methods.

Handheld tools **take up very little space**, so there is no need for a trailer or truck. They are ideal for working in challenging conditions (terraced houses, very steep terrain, marshy land, etc.) simply by plugging into the mains supply of any house or a small electric generator. **Reduced costs** with an initial investment some 2 to 20 times lower than traditional systems. Tools are available for hire from Weasyfix partners and can be operated by a single person, without any risk of maintenance and repair costs.

Highly efficient operation, since impact machines can accelerate the work rate by driving screws into all types of soil, meaning that a second person is free to deal with all the site logistics. Teams can **install up to 140 foundation screws per day.**



Tools

Handheld tools:

Weasylectric

Weasylectric Pro

Weasypneumatic









Makita TW 1000 & OW Ikoki WR25 SEWAZ impact driver for installing foundation screws. Weasylectric Pro impact driver for installing foundation screws.

TOKU MI-4500 ESR impact driver for installing foundation screws.

7

Torque = 1,000 Nm.

Torque = 2,000 Nm.

Torque = 2,900 Nm.

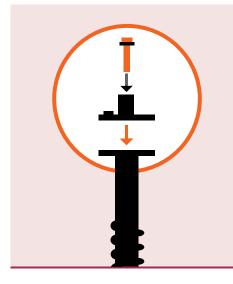
INSTALLATION

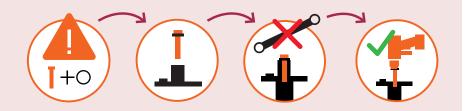
Find out more weasyfix.eu



Attaching the adapter: WeasyHead

of soil.





The WeasyHead is used to connect the machine to the screw during installation.

Each step is **essential** for maintaining the equipment's service life.



Driving the screw into the ground

Successfully driving the screw into the ground depends directly on the type of soil and the quality of the pilot hole. A laser can be used to keep screws level during installation with our specific accessories (see Laserfix).





IMPORTANT: Pilot hole & lubrication



Average installation time

Soft soil: Earthy soil: Hard soil:

2 to 5 min per screw 5 to 10 min per screw 10 to 15 min per screw

Find out more about the installation process on our website



Our galvanised steel foundation screws have been designed for easy installation with the aid of our electric handheld solutions. Foundation screws are engineered for relatively lightweight projects (patios, shelters, sheds, carports, pool houses, tiny houses, etc.). Foundation screws provide professionals and DIYers alike with an alternative solution to concrete foundations and driven piles.

Backfill layer (non-load-bearing soil)

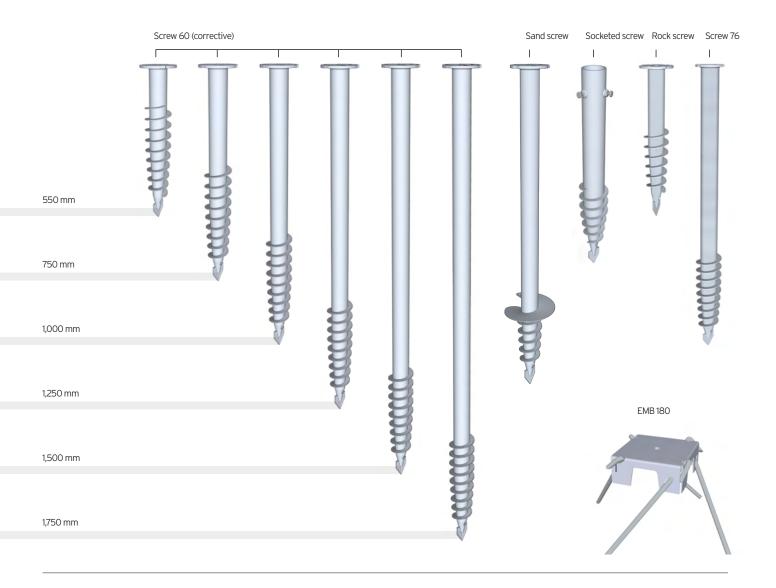
→ Corrective screws

Reduced costs

→ Socketed screws or base plates

Sandy or earthy soil

→ Rock or sand screw



10



Note:

Foundation screws can support several tons before deforming. In reality, the type of soil will limit the load that can be withstood by each screw!



Our products

11

Find out more

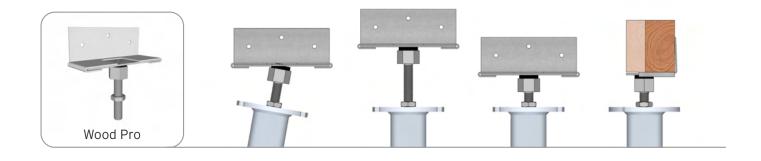
CONNECTORS

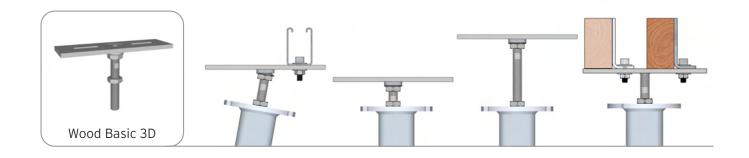
Find out more weasyfix.eu

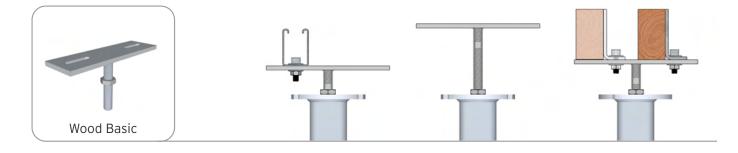


Connectors for beams/joists & horizontal structures

These connectors allow for multiple **adjustments and corrections in the three dimensions**, **meaning accurate** and **easy** levelling:









12

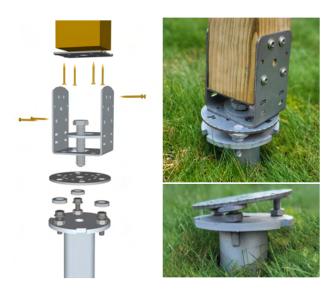
Connectors for posts & vertical structures

Connect U: Strength & stability

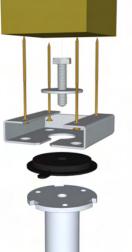


Connect U connectors are the solution for wooden posts in standard cross-sections (70/90/120/140):

- Alignment adjustment up to **30 mm**
- Vertical correction up to 10° (requires Fix 3D Connect U)
- Superior resistance to lateral loads with their side reinforcements







Wood connectors: Easy & stylish

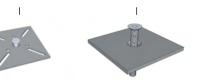


The WOOD connectors represent a stylish solution for all wooden posts up to a diameter or cross-section of 200 mm with:

- Alignment adjustment up to 30 mm
- Vertical correction up to **10°** (requires a Vertikit)
- A stylish solution even for non-standard posts

Base plates: Versatility and speed

Connect-X



Connect Plate 240

This system offers great freedom for attaching all types of connectors outside the Weasyfix range.

- Multiple adjustments: height, vertical and alignment
- Vertical correction up to 10°
- Compatible with any post base







13

PROFILES

Find out more weasyfix.eu



If you need a metal structure, then we have the ideal profile:

Purpose: join screws together to form a load-bearing structure for the building.

Advantages:

- Extreme conditions
- Greater life expectancy than wood (pests, mould, etc.)
- Assembly does not damage the components (can be dismantled and reused)
- Stability & precision (non-living materials)



These profiles are used as the top element in all-metal cross structures. They are especially suited to wooden and composite decks.



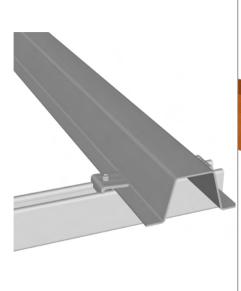
C62 profile

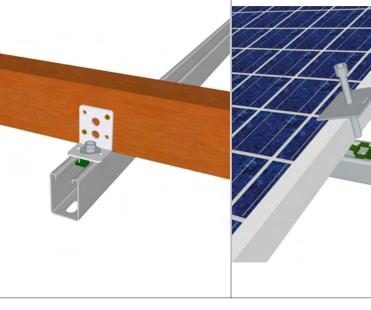
C-profile for bolted assemblies requiring no self-drilling screws. Available with a Magnelis or hot-dip galvanised finish.



l C41 profile

A C-profile with a reduced height, which is ideal for structures with lower load-bearing requirements. E.g. solar panels





14

Our products

ACCESSORIES & OTHER PRODUCTS

Base plates

Base plates are used to fasten and strengthen 2 or 3 foundation screws.

Base plates:

- Increase stability and provide a large attachment surface.
- Significantly increase the load-bearing capacity for a single support point.



Find out more weasyfix.eu

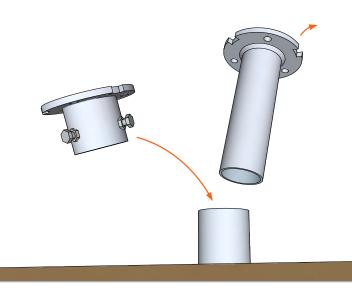




Top 60 connector

Mainly used to replace the missing head if a foundation screw gets stuck. The Top 60 cap is just one of the many Weasyfix products available for ensuring that your jobs are always completed, even when things do not go according to plan.





15

16

WEASYFIX ADVANTAGES

Find out more weasyfix.eu





Supporting materials: documentation, tutorials & FAQs

For **EACH** solution developed by Weasyfix, you will find:

1

Detailed assembly tutorials

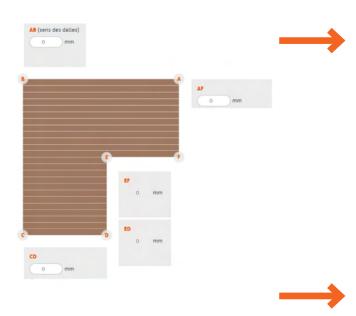


Options: Variants & adaptations of the solution Find out more weasyfix.eu





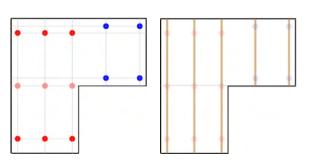
Receive a personalised layout and positioning plan for your project's foundation screws.



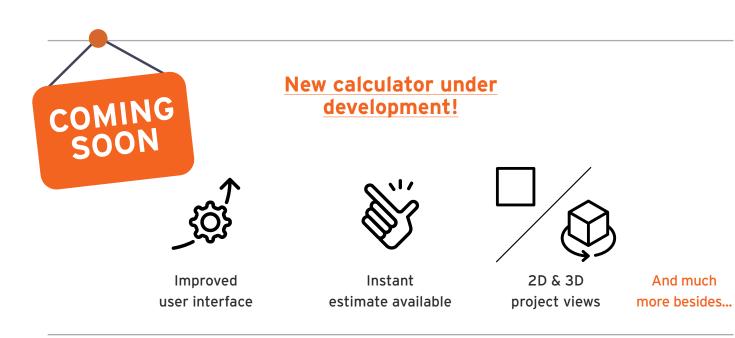
Define your project:

Receive:

A 2D plan showing the position of the foundation screws AND the structure.



The list of products and components required for the project.



Our products

TERRACES

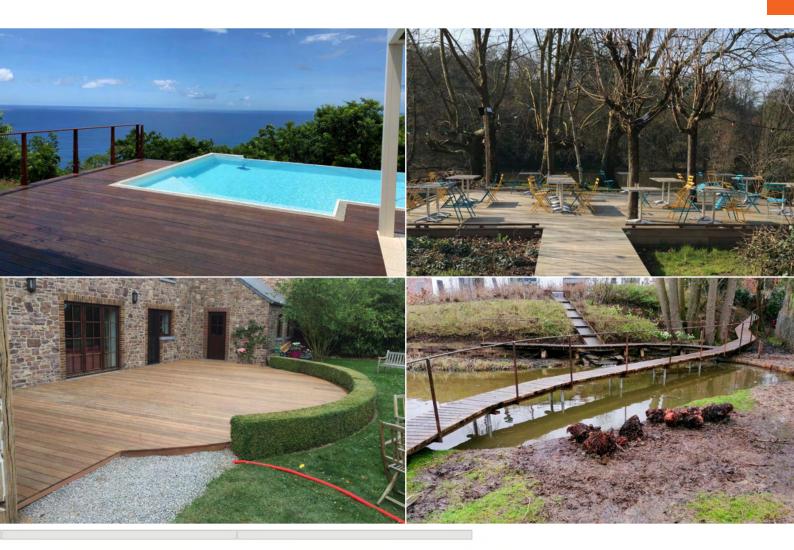


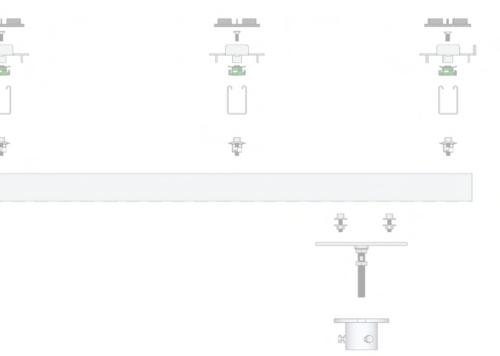
Terraces are **THE area where Weasyfix truly comes into its own**. Our concept can be used to build terraces with **wooden** or **composite** decking, as well as terraces with **self-supporting slabs/tiles**.

With over **8 different solutions** and **dozens of options for adapting** to the constraints of the terrain, terraces can now be built in conditions that were previously impracticable (steep gradients, wet environments, etc.).

Check out all our solutions at weasyfix.eu







TERRACES SELF-SUPPORTING SLAB TERRACES MULTI-LEVEL TERRACES FISHING DECKS & FOOTBRIDGES POST-MOUNTED TERRACES TERRACE HOT TUBS & SWIMMING POOLS

•••

100% wooden structures



Combined structures Wooden & composite boards - Combined structure This combined solution is designed for damp and relatively flat environments. It greatly increases terrace durability with the metal primary profiles, while retaining all the flexibility of wood.

Wooden & composite boards - Post-mounted combined structure

Designed specifically for **uneven terrain** and differences in level, this solution features metal tubes and effectively resists **damp environments**, while preserving all the **flexibility and adaptability** of wood.



Solution 12



Flat ground

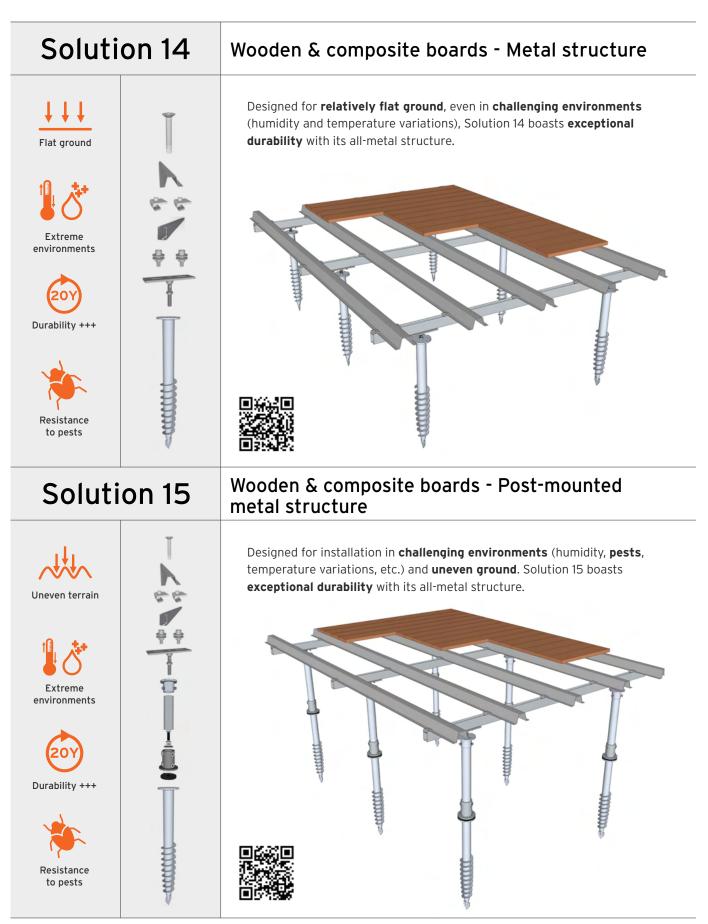
Wet ground



Solution 13



Full metal structures



Structures for slabs/tiles

Solution 16 Mineral slabs/tiles - Metal structure A fully bolt-on solution that guarantees fast and accurate assembly with its unique connector system. Designed for flat ground, even in challenging environments (humidity, pests, temperature variations, etc.). Flat ground Extreme environments Quick assembly Precision Solution 17 Mineral slabs/tiles - Post-mounted metal structure Designed to adapt to uneven ground, even in challenging environments (humidity, **pests**, temperature variations, etc.). Its connector system ensures fast and accurate assembly in every situation. Uneven terrain Extreme environments Quick assembly



weasyfix.eu

CONSTRUCTIONS WITH FLOORING

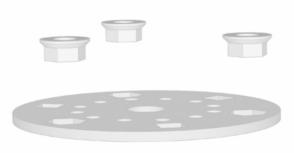


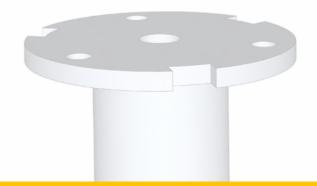
Every day, hundreds of **outdoor buildings requiring a load-bearing floor** are built. Foundation screws not only support the building's structure, but also the floor by withstanding the service loads beneath the building. This means that a **construction solution** is available whatever the site's constraints.

> Check out all our solutions at weasyfix.eu







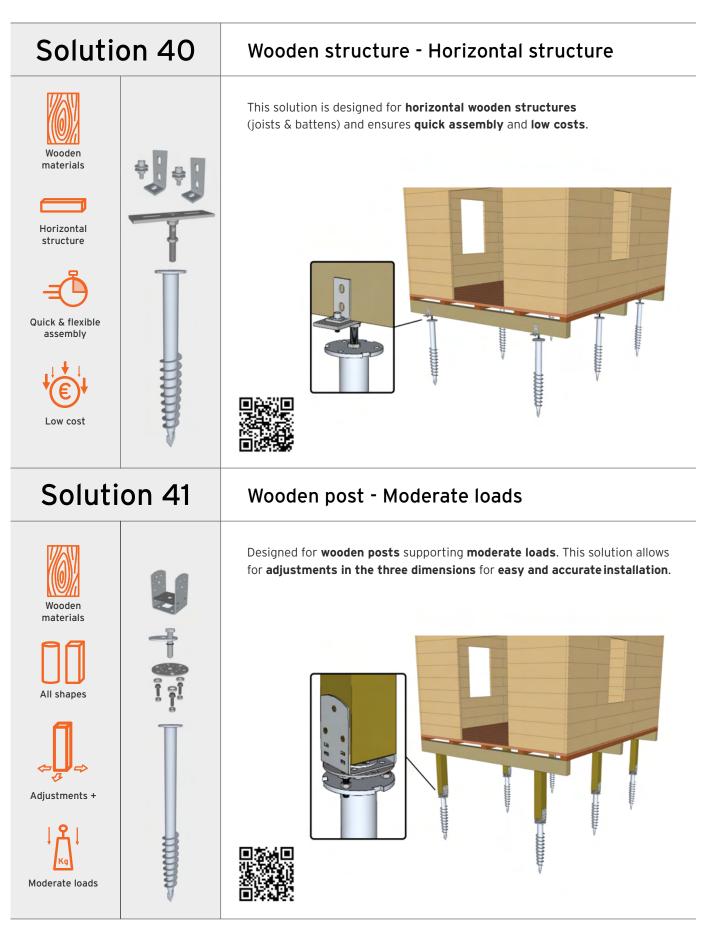


TEMPORARY STRUCTURES LOOKOUT POSTS GARDEN SHEDS & OTHERS LIGHTWEIGHT CONSTRUCTIONS WITH FLOORING SANITARY FACILITIES & PLANT ROOMS UNUSUAL STRUCTURES POOL HOUSES GLAMPING PODS CONVERTED CONTAINERS

•••

weasyFIX.eu

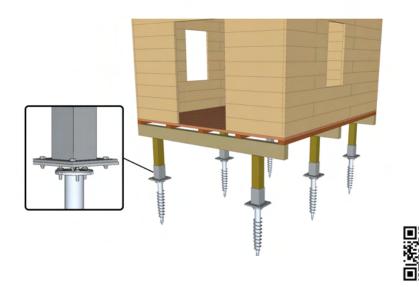
Fixings for wooden structures



Fixings with bespoke connectors

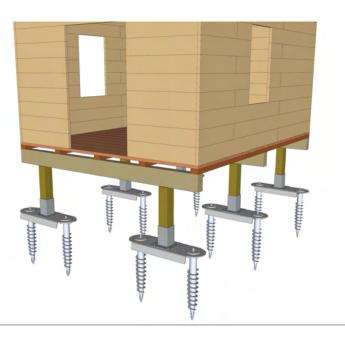
Bespoke connector - Moderate loads

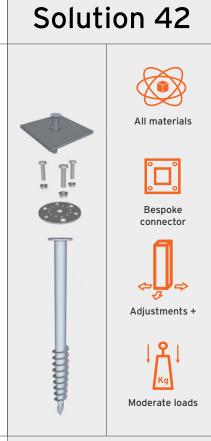
This solution allows posts in **all types of materials** to be mounted using a special **bespoke connector**. This solution supports **moderate loads** and offers a **lateral adjustment** system.



Bespoke connector - High loads

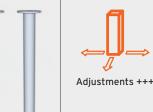
This solution allows posts in **all types of materials** and shapes to be mounted using a special **bespoke connector**. It is suitable for **heavy loads** and features an **AMPLE lateral adjustment** system.





Solution 43







All materials

Bespoke connector

weasyfix.eu

FLOORLESS CONSTRUCTIONS

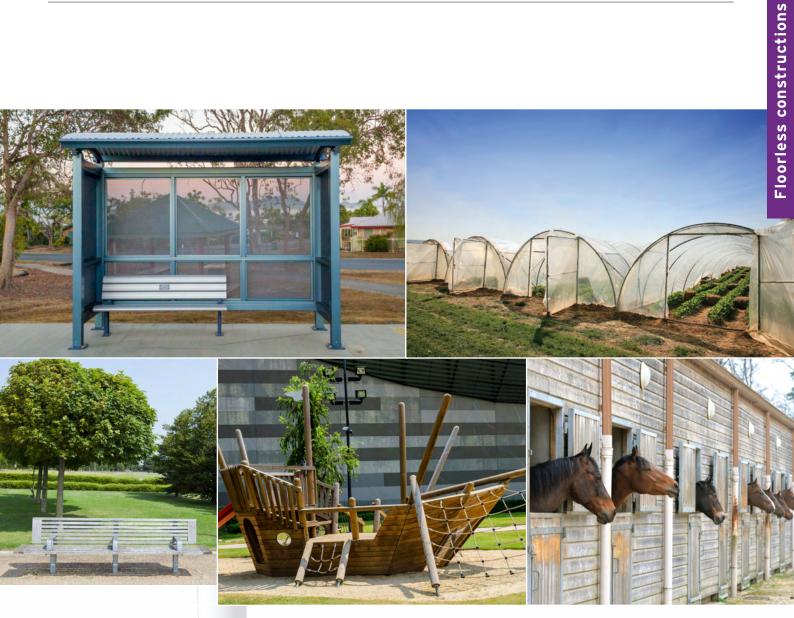


Our world is strewn with buildings and structures, both big and small, that do **not require a floor**. Weasyfix has pioneered a range of connectors and foundation screws specifically for these applications. These structures mainly comprise vertical posts, so it can clearly be seen why Weasyfix screws have such an advantage for their construction.

> Check out all our solutions at weasyfix.eu



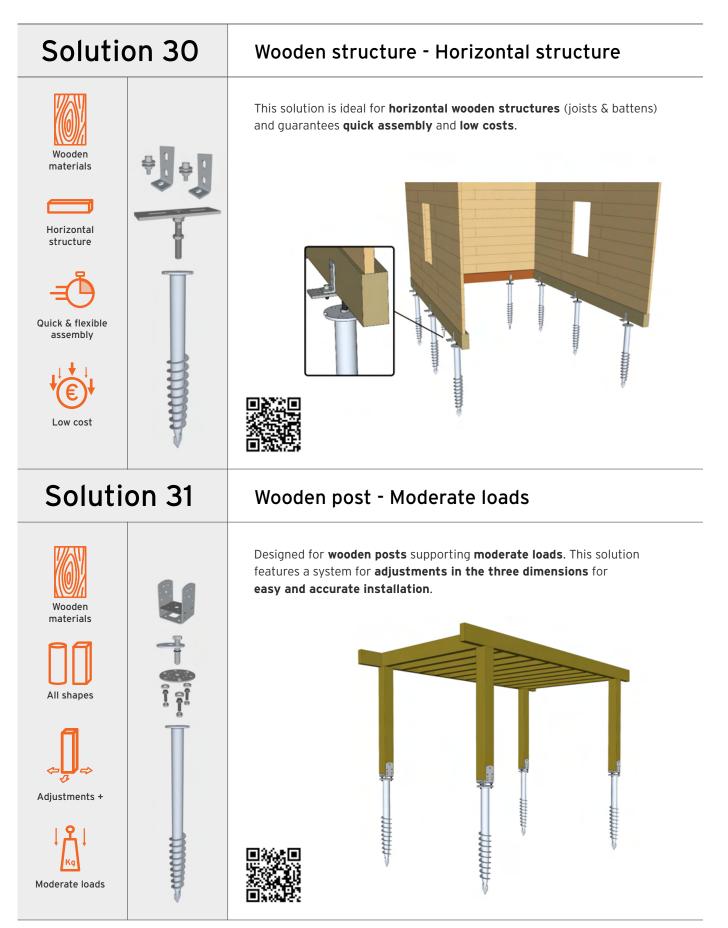
Floorless constructions



GREENHOUSES & TUNNELS BUS SHELTERS CARPORTS SCULPTURES PERGOLAS SAIL SHADES STALLS & ANIMAL SHELTERS ADVERTISING HOARDINGS PLAYGROUNDS GARDEN FURNITURE

•••

Fixings for wooden structures



Fixings with bespoke connectors



Inexpensive connector

Solution 35

Cross-section < 60 mm - Low loads

An **inexpensive** solution designed for **posts in all materials** and shapes with a **diameter of less than 60 mm**. This solution can withstand low lateral loads.

All materials





↓ € ↓

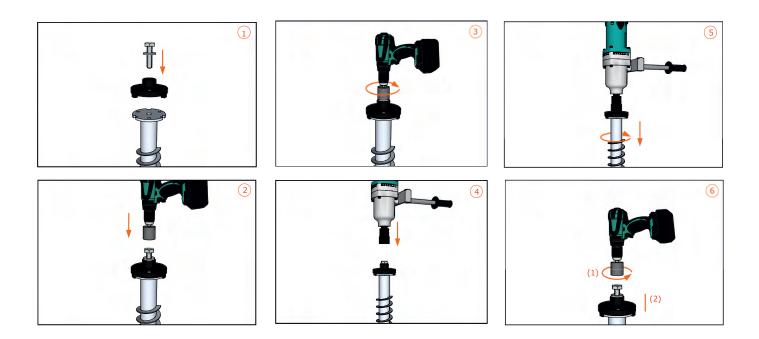




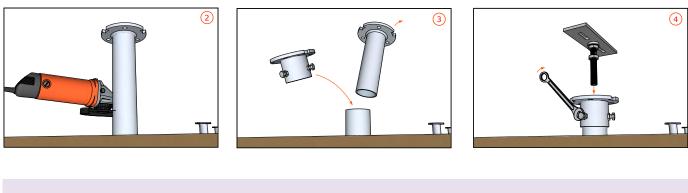


Tutorials and tips: weasyfix.eu

1. Detailed step-by-step installation tutorials



2. Options and installation tips for every solution on weasyfix.eu





SOLAR PANELS

34 SOLUTIONS | SOLAR PANELS



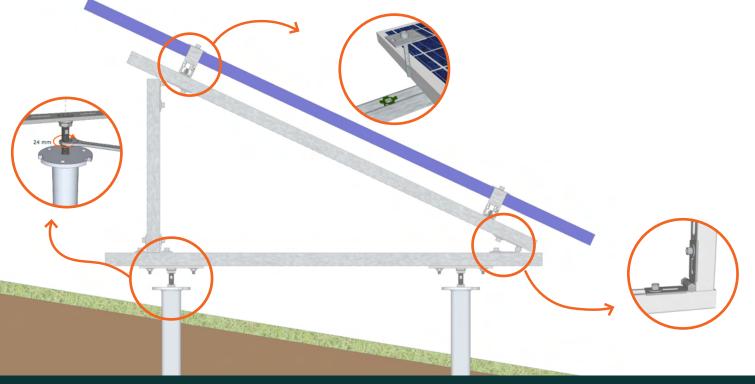
Since solar power is one of the energy sources of the future, Weasyfix has developed an **end-to-end solution** for groundmounting solar panels. This solution combines a foundation screw with a **structure that bolts entirely onto metal profiles**, thereby offering tremendous flexibility and several adjustment options.

> Check out all our solutions at weasyfix.eu



Solar panels





ENCLOSURES & FENCES



Weasyfix offers a wide range of mounting configurations, whether or not using **braces**, **exposed or concealed connectors**, **different materials, and square or irregular timber sections**. Weasyfix has developed these solutions to withstand **all wind forces** (lateral loads) and accommodate **all types of soil**, whether sandy, earthy or stony. SNOW FENCES & EARTH RETAINING STRUCTURES WOODEN FENCES BIRDWATCHING SCREENS PRIVACY SCREENS GRATING FENCES FENCES

Check out all our solutions at weasyfix.eu

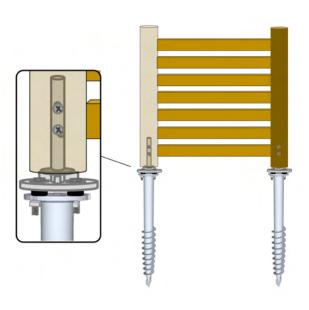
•••



Fixings for wooden structures

Solution 20 Wooden post - Low lateral loads This solution is designed for square wooden posts and is capable of withstanding **moderate lateral loads**. These fasteners allow posts to be **accurately positioned** and adjusted in the three dimensions. Solution 21

Solution 21 is designed for all shapes of wooden posts and is capable of withstanding moderate lateral loads. This solution emphasises the beauty of the wood with its discreet fixing system.







Wooden materials

Square cross-sections

Low loads

Accurate adjustments











SINGLE POSTS



The category of free-standing posts includes all structures supported by a **single post**. Therefore, this category includes everything from small decorative signs for public parks to imposing snow guns that can **weigh over 2 tons**! Weasyfix offers a broad selection of solutions capable of meeting all technical mounting requirements, with **practical and accurate adjustments** for **fast**, **professional installation**. SNOW GUNS SKI PISTE SIGNPOSTS TRAFFIC SIGNPOSTS MOORING DOCKS CAMERA & WI-FI POSTS ...





Stylish

Fixings for wooden structures

Solution 1 Wooden post - Low lateral loads This solution is designed for square wooden posts and is capable of withstanding low lateral loads. These fasteners allow posts to be **accurately positioned and adjusted** in the three dimensions. Wooden materials Square cross-sections Low loads Accurate adjustments Solution 3 Wooden post - High lateral loads Designed for all shapes of wooden posts subject to high lateral loads. This solution features a highly discreet fixing system to highlight the beauty of the wood. Wooden materials i.i. All shapes High loads

Find out more about this project and many others at



weasyfix.eu

Terraces





Find out more about this project and many others at



weasyfix.eu

Constructions with flooring



Find out more about this project and many others at



weasyfix.eu

Floorless constructions



Find out more about this project and many others at weasyfix.eu



Solar panels



Other uses



OUR MAIN PRODUCTS

44

Foundation screws						
A1	attitut	FS550-f	550 mm foundation screw with an M16 thread in the centre of the screw head for attaching connectors	Part Pallet 2 pallets	1 100 200	
A2	untitut	FS750-f	750 mm foundation screw with an M16 thread in the centre of the screw head for attaching connectors	Part Pallet 2 pallets	1 100 200	
A3	authit	FS1000-f	1,000 mm foundation screw with an M16 thread in the centre of the screw head for attaching connectors	Part Pallet 2 pallets	1 100 200	
A7	unt	FS1120-fl	1,120 mm "sand" foundation screw with a helix and M16 thread in the centre of the screw head for attaching connectors	Part Pallet 2 pallets	1 50 100	
Α9	- total	FS76-750	750 mm socketed screw with three M12 screws for clamping a post of max Ø 68 mm	Part Pallet 3 pallets	1 75 225	

This is a non-exhaustive list. You can find our full range of foundation screws on our website at weasyfix.eu



Fasteners

B8		Fix 3D base2-3	Fastener kit with vertical adjustments: 1 x M16/100 threaded rod + 1 x Vertikit + 3 x EPDH washers + 1 x slide nut + 1 x washer 120/17/8	Box 3 boxes	12 36
				Sachet	1
B12		Fix connect U90-120-140	ø 75 mm washer with an offset hole + M16-50mm screw for attaching Connect Uxxxx connectors to fsxxx-f foundation screws	Box 5 boxes	48 240
				Sachet	1
B19	-	Fix 3D connect	3D fastener kit for Connect U 90/120/140 connectors = M16-80 screw + M16-75 washer + washer 118 + 3 x concave	Box 5 boxes	24 kits 120
		U90-120-140	washers + 3 x M10-40 collar bolts	Sachet	2 kits



Connectors

C1	-	WoodPro	Stainless steel connector allowing height, alignment and vertical adjustments before	Box 5 boxes	12 60
	t		and after mounting the section of wood.	Part	1
C2		WoodBasic	Connector allowing 2 height	Box 3 boxes	12 36
	T		and alignment adjustments	Part	1
СЗ	I	WoodBasic 3D	Connector allowing height, alignment and vertical adjustments M16 Allen screw with convex-concave	Box 5 boxes	12 60
	I.		washers	Part	1
C5		Wood 90	Connector for posts from 90/90 mm to 120/120 mm M16 connection screw	Box 3 boxes	12 36
			and washer included	Part	1
C6		Wood 140	Connector for posts from 140/140 mm to 200/200 mm M16 connection screw and washer included	Box 3 boxes	12 36
•••				Part	1
C8		ConnectStone-C	121 x 121 mm connector for self-supporting slabs/tiles. For mounting on profilec-xx/3000	Box 5 boxes	24 120
				Part	1
C13	Ţ	Top 60	Foundation screw head for ø 60.3 mm tubes with an M16 central nut and 3 x M12-20 mm Allen clamping screws	Box 3 boxes	6 18
				Part	1
		Connect X-200	Connector comprising a 200 x 200 x 8 mm aluminium plate, including M16-50 mm countersunk head Allen screws	Box	6
C15				2 boxes	12
	-			Part	1
C24	· · ·	Base 2 galva®	Galvanised steel base for distributing loads over 2 foundation screws, ø 17 mm central hole	Part Part	1 4
C31		Connect U-90	U-shaped connector for 90 mm wooden posts	Box 2 boxes	12
			MULTI-PURPOSE + reinforcing plate	Part	1
C33		Connect U-140	U-shaped connector for 140 mm wooden posts	Box 2 boxes	12
			MULTI-PURPOSE + reinforcing plate	Part	1

Our products

OUR MAIN PRODUCTS

Accessories

Acces	ssories				
D2	02	L85/38	Bracket 85/38 mm - width 38 mm - thickness 5 mm + 2 x washers	Box 5 boxes	48 240
			and 1 x M10 bolt included	Sachet	12
D4		Vertikit	EPDH accessory for quickly and accurately adjusting the vertical position	Box 5 boxes	48 240
			of many connectors: C4-C5-C34- C6-C11	Sachet	12
D8	Ş	FixA-30	Bolt for fastening C-profiles on Wood Basic-3D connectors Bolt for fastening joint int. c elements Bolt for fastening support C connectors on E1 wall plates	Sachet Box	24 96
D9		FixB-30	Bolt with a sliding nut for connecting C-profiles to another C-profile.	Sachet Box	24 96
D10		FixC-20	Bolt with a sliding nut for attaching ConnectStone C and ConnectStone-C+ connectors to C-profiles.	Sachet Box	24 96
D14		StoneClip 2 mm	EPDM interface to be placed beneath self-supporting slabs/tiles	Box 5 boxes	48 240
			Spacer tabs = 2 mm.	Sachet	12
D27		L60/40	Bracket 60/40mm - width 50 mm - thickness 3 mm mainly designed for	Box 5 boxes	48
			mounting sections of wood on C-profiles.	Sachet	4
D29		Bracket-c hinged	Hinged bracket for fastening two C-profiles at variable angles	Box 5 boxes	12
	-	-	two o promes at variable angles	Sachet	4
D41		Soil nail	Soil nail for carrying out soil tests with a Makita HR 5212C rotary hammer	Box 5 boxes	48
	V			Sachet	12
D43		Fix solar panel	4 fasteners for mounting solar panels on a C-profile supporting structure.	Box	48
	\$			Sachet	4
D44	25	Solar panel ext. clamp	Two plates offering peripheral support for solar panel on C-profiles for two panel thicknesses:	Box	48
	7		30 or 32 mm and 35 or 40 mm	Sachet	4



Our products



Profiles

E1		Profile C-41/3000	Magnelis steel profile - height 41 mm	1 Bundle	50
				Part	1
E2	1.1	Profile C-62/3000	Magnelis steel section - height 62 mm	2 bundles 4 bundles	60 120
	-			Part	1
E18		Profile C-41/3000	Galvanised steel profile - height 41 mm	1 Bundle	50
				Part	1
E19		Profile C-62/3000	Galvanised steel profile - height 62 mm	2 bundles 4 bundles	60 120
				Part	1



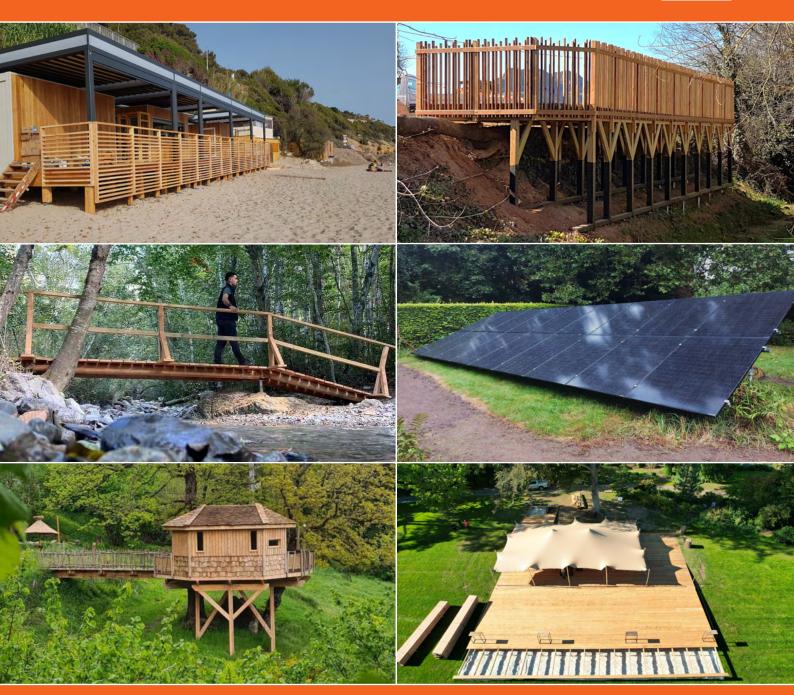
Tools

F1		SDS Max 35/900	SDS Max drill bit Ø 35-900(780) mm for making pilot holes in the ground	Part	1
F4		Makita 5212C	MAKITA 5212 C rotary hammer with SDS Max chuck for making pilot holes in the ground	Part	1
F7		Weasyhead	Weasyfix screwing head - essential for installing fsxxxx-f foundation screws	Part	1
F12	-	Weasylectric ^{pro}	Handheld impact driver Solution for installing foundation screws Torque = 2,000 Nm (socket 41 included)	Part	1
F13		Laserfix ^{pro}	Adjustable laser receiver support for the Weasylectric ^{pro} (F12)	Part	1
F26		Soil test rod 1250	1,250 mm rod for soil compaction testing. To be connected EXCLUSIVELY to the Makita HR 5212C rotary hammer	Part	1



Do you have a project? Submit your request online



















 \gg Installation in all types of weather









 \gg





