

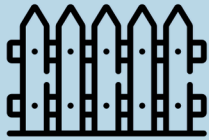
# INOVAT product catalogue 2026

INOVAT PILLARS ground screws offer the perfect solution, allowing you to establish a solid foundation for your construction without the hassle of using concrete. Simple, yet strong.

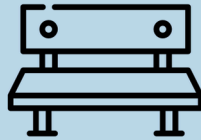


[www.inovatpillars.com](http://www.inovatpillars.com)

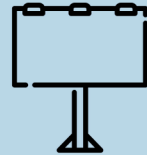
Where to use ground screws?  
**FOUNDATION**



**Fences & Posts**



**Benches**



**Outdoor Advertising**



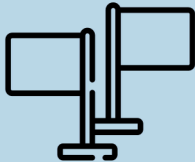
**Saunas & Log Houses**



**Piers & Docks**



**Outdoor Lighting**



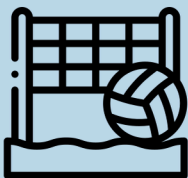
**Flags & Flagpoles**



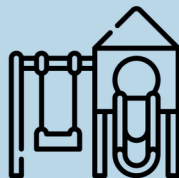
**Road Signs**



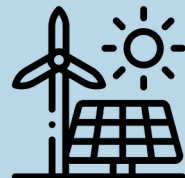
**Sheds & Barns**



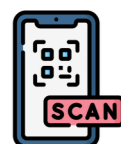
**Volley Nets**



**Playgrounds**



**Solar Panels**

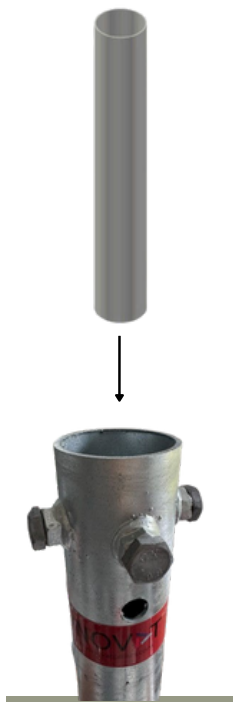


## How to use ground screws? APPLICATION

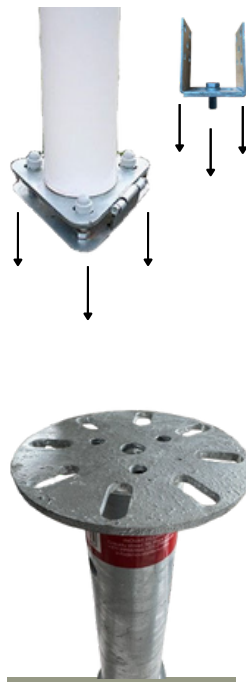
**G ground screws** are designed for securing various types of pipes within the screws themselves. Pipes are firmly fixed using bolts, making these screws ideal for fences, flagpoles, volleyball nets, and other types of posts. They are also extendable for versatile applications.

The **M ground screw** features a thick flat, round/hexagonal base with a support flange. M - profile screw piles offer a stable, smooth building surface, even in challenging terrain conditions.

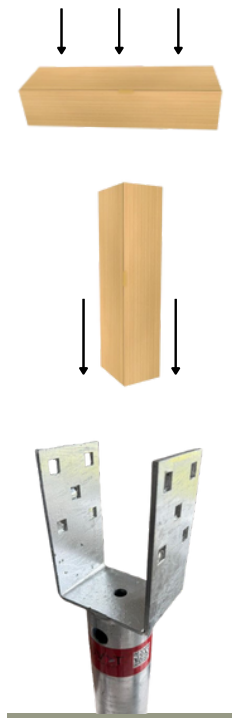
**U ground screws** are perfect for timber frame construction and garden projects, such as decking, garden structures, or sheds. These screws are designed for installing both vertical and horizontal beams securely.



**G profile**

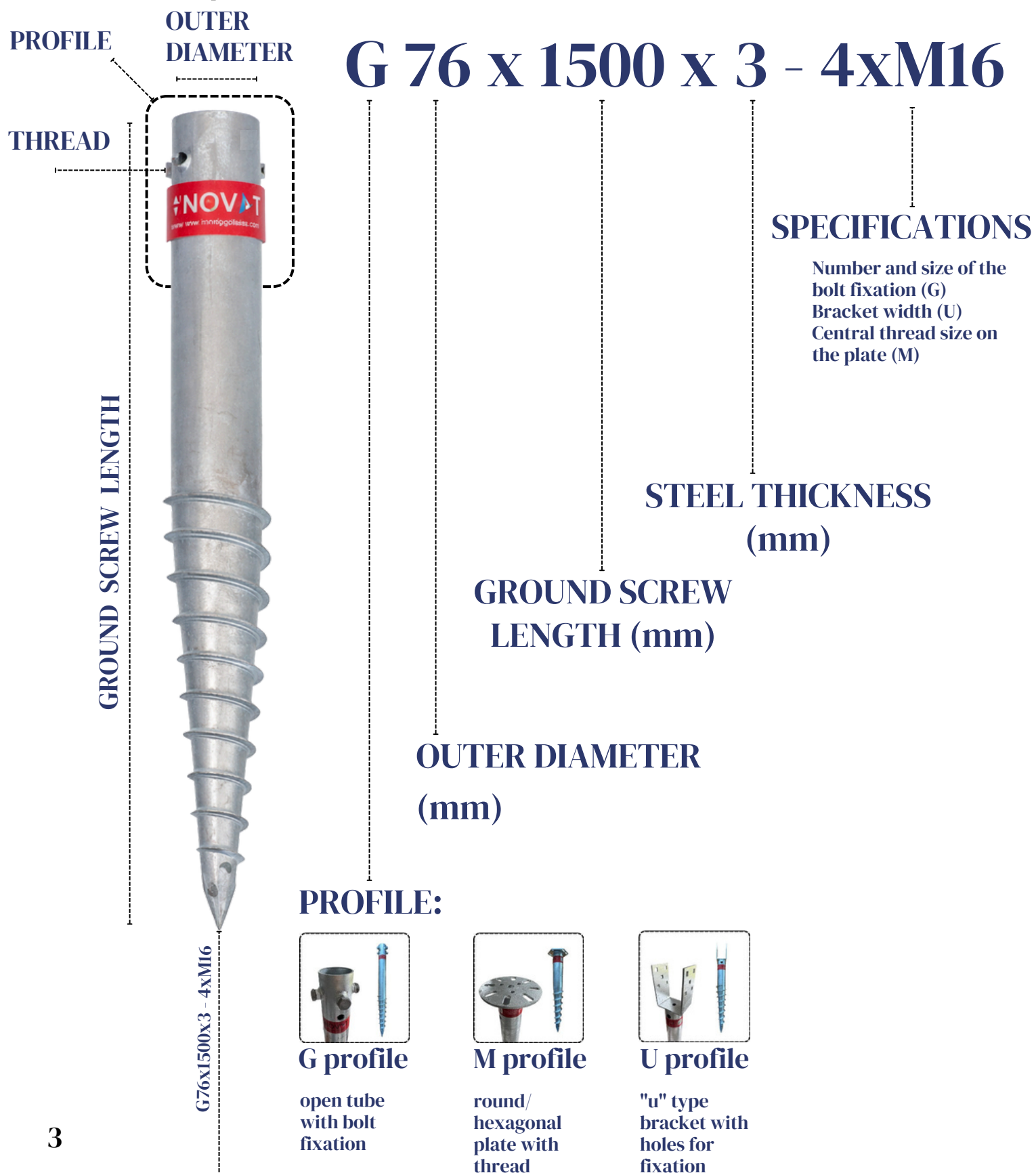


**M profile**



**U profile**

# GROUND SCREW



# PROFILES



## G profile

G 76x1000x3 -4xM16  
G 76x1500x3 -4xM16  
G 76x2100x3.5 - 4xM16  
G 89x1500x3 -4xM16

pages **6-7**



## M profile

M 68x550x2 - M16  
M 76x800x3 - M16  
M 76x1000x3 - M16  
M 76x1300x3 - M16  
M 76x1500x3 - M16  
M 76x2000x3 - M16  
M 89x1500x3 -M16

pages **8-9**



## U profile

U 68x685x2 - 71  
U 68x865x1.8 - 91

pages **10-11**



## Accessories

G 76 to M adapter  
G 89 to M adapter  
G 76 x 1000 extension  
G 89 x 1000 extension  
G to L adapter  
M to U adapter

pages **12-14**



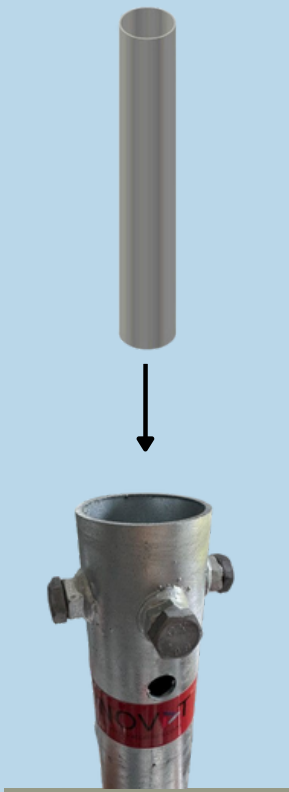
## Equipment

Ground screw driver SPD-5 000  
Ground screw driver SPD-10 000  
Pre drilling tool  
Ground screw reductor

pages **15-17**

# G PROFILE

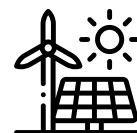
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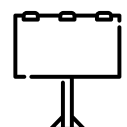
[WWW.INOVATPILLARS.COM](http://WWW.INOVATPILLARS.COM)



Fences & Posts



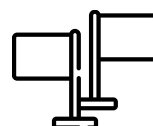
Solar Panels



Outdoor Advertising



Outdoor Lighting



Flags & Flagpoles

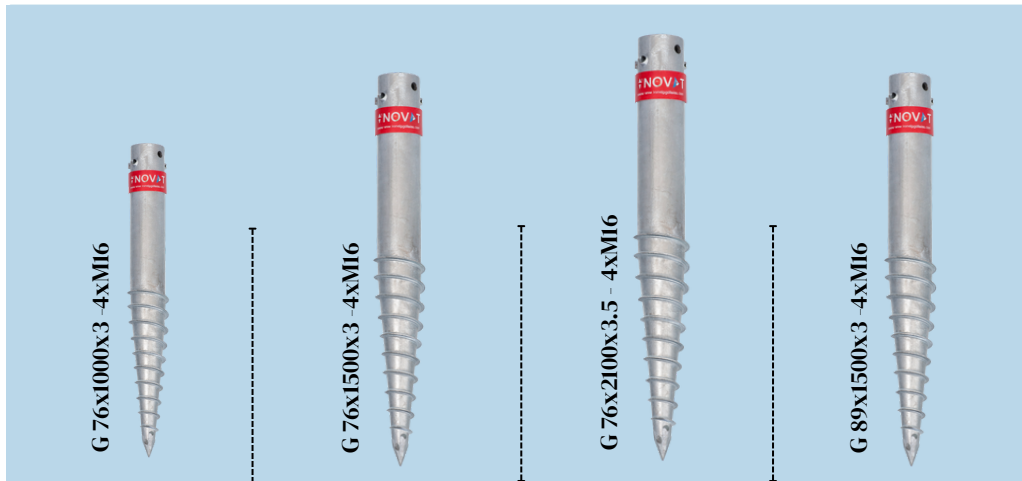


Road Signs

# G PROFILE



## Product Series



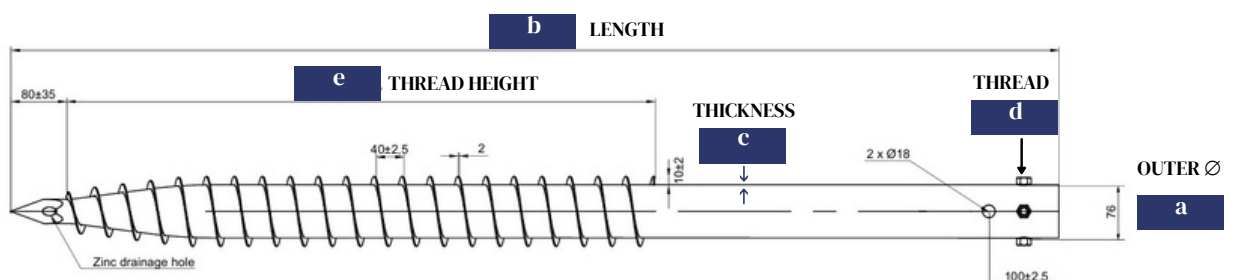
## Technical Data

	OUTER Ø	LENGTH	THICKNESS	THREAD	THREAD HEIGHT	WEIGHT
	mm	mm	mm		mm	kg
G 76x1000x3 - 4xM16	76	1000	3	4xM16	440	3.75
G 76x1500x3 - 4xM16	76	1500	3	4xM16	880	8.65
G 76x2100x3.5 - 4xM16	76	2100	3.5	4xM16	1200	13.6
G 89x1500x3 - 4xM16	89	1500	3	4xM16	840	12.16
	a	b	c	d	e	

## Load Tests

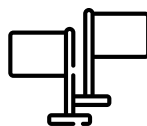
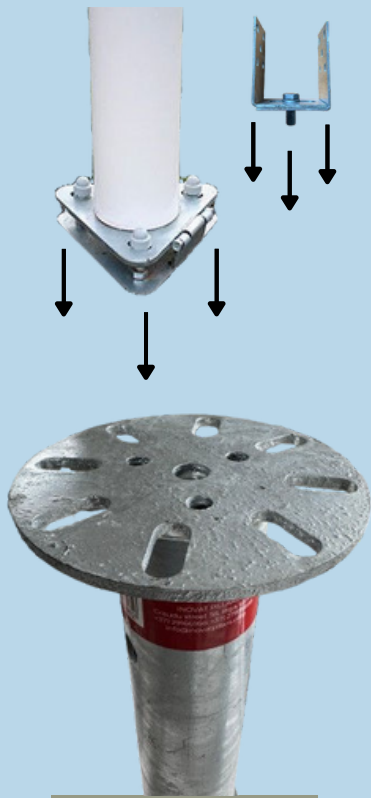
	MAX load, kN (kg)	MAX tension load, kN (kg)	Shift load, kN (kg)
G 76x1000x3 - 4xM16	16.5 (1683)	9.5 (969)	4.5 (459)
G 76x1500x3 - 4xM16	31 (3161)	18.5 (1886)	7.5 (765)
G 76x2100x3.5 - 4xM16	45 (4589)	26 (2651)	11 (1122)
G 89x1500x3 - 4xM16	36 (3671)	20.2 (2060)	9.3 (948)

1kN ~101.97kg. All values are approximate and can be used as estimates for initial calculations. Actual load tests are mandatory! The manufacturer is not liable for damage caused due to errors in the calculation of loads.



# M PROFILE

The M ground screw features a thick flat, round/hexagonal base with a support flange. M - profile screw piles offer a stable, smooth building surface, even in challenging terrain conditions.



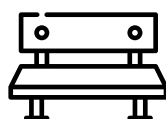
Flags & Flagpoles



Saunas & Log Houses



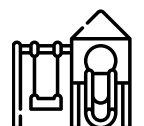
Sheds & Barns



Benches



Volley Nets

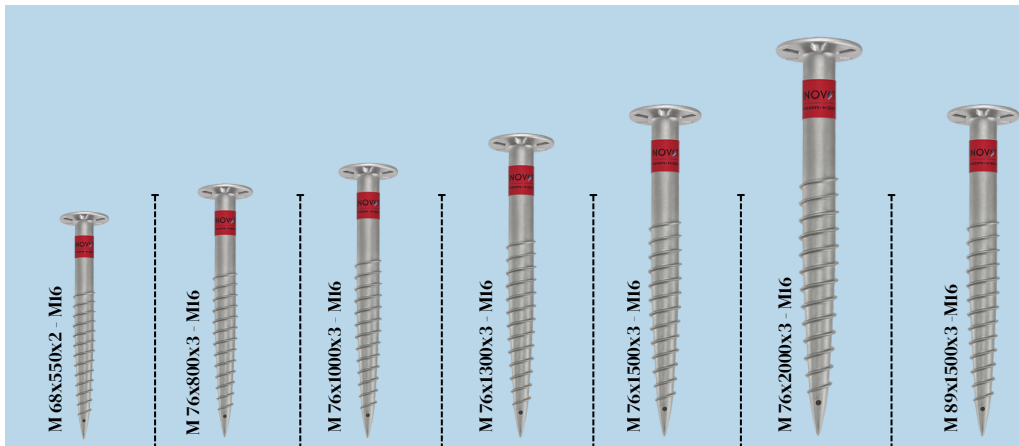


Playgrounds

# M PROFILE



## Product series



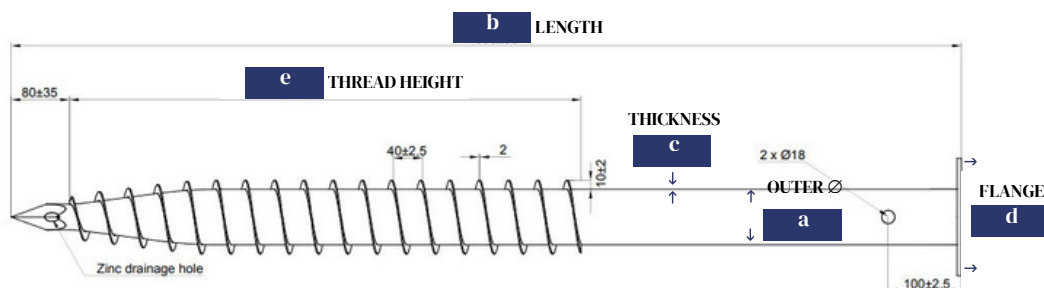
## Technical Data

	OUTER Ø	LENGTH	THICKNESS	FLANGE	THREAD HEIGHT	WEIGHT
	mm	mm	mm		mm	kg
M 68x550x2 - M16	68	550	2	120	240	2.6
M 76x800x3 - M16	76	800	3	160	400	5.2
M 76x1000x3 - M16	76	1000	3	160	440	6.97
M 76x1300x3 - M16	76	1300	3	160	760	7.88
M 76x1500x3 - M16	76	1500	3	160	880	8.82
M 76x2000x3 - M16	76	2000	3	160	1160	13.01
M 89x1500x3 - M16	76	1500	3	230	840	12.16

## Load Tests

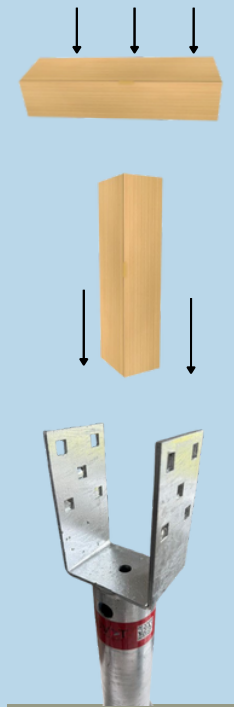
	MAX load, kN (kg)	MAX tension load, kN (kg)	Shift load, kN (kg)
M 68x550x2 - M16	10.5 (1071)	5.2 (530)	2.8 (286)
M 76x800x3 - M16	12.5 (1275)	6.5 (663)	3.4 (347)
M 76x1000x3 - M16	16.5 (1683)	9.5 (969)	4.5 (459)
M 76x1300x3 - M16	24 (2447)	14 (1428)	6 (612)
M 76x1500x3 - M16	31 (3161)	18.5 (1886)	7.5 (765)
M 76x2000x3 - M16	38 (3875)	22 (2243)	9 (918)
M 89x1500x3 - M16	36 (3671)	20.2 (2060)	9.3 (948)

1kN ~101.97kg. All values are approximate and can be used as estimates for initial calculations. Actual load tests are mandatory! The manufacturer is not liable for damage caused due to errors in the calculation of loads.



# U PROFILE

**U ground screws** are perfect for timber frame construction and garden projects, such as decking, garden structures, or sheds. These screws are designed for installing both vertical and horizontal beams securely.



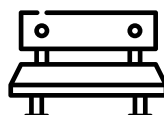
Piers & Docks



Fences & Posts



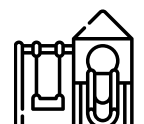
Sheds & Barns



Benches



Volley Nets

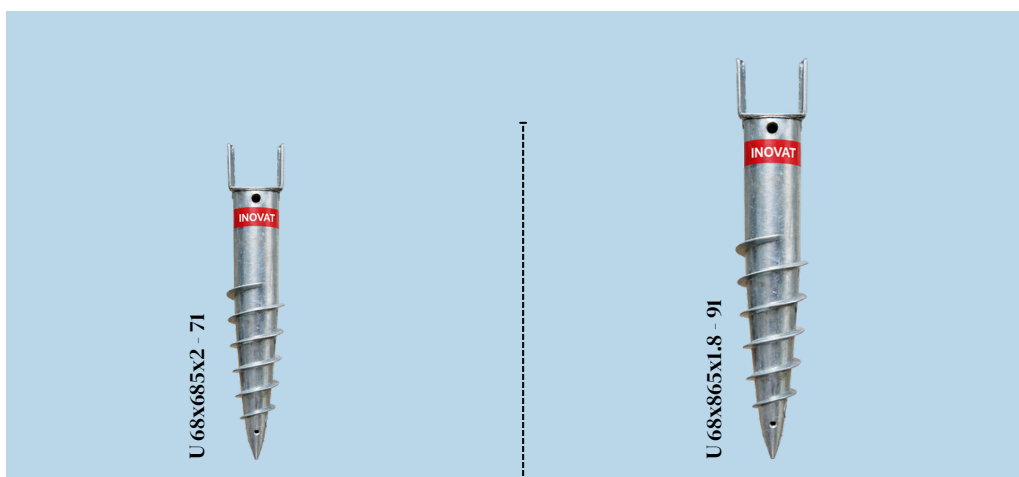


Playgrounds

# U PROFILE



## Product Series



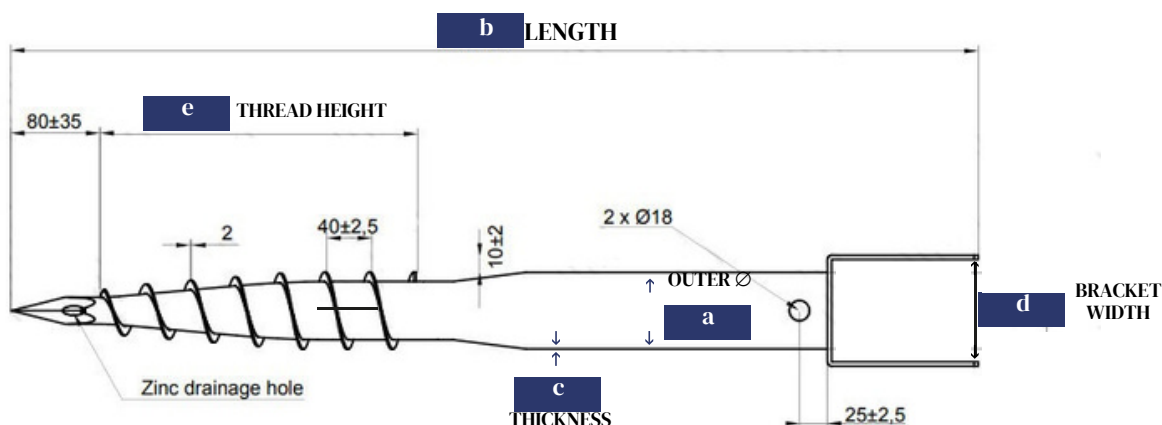
## Technical Data

	OUTER Ø	LENGTH	THICKNESS	BRACKET WIDTH	THREAD HEIGHT	WEIGHT
	mm	mm	mm		mm	kg
U 68x685x2 - 71	68	685	2	71	280	2.2
U 68x865x1.8 - 91	68	865	1.8	91	280	3.2

## Load Tests

	MAX load, kN (kg)	MAX tension load, kN (kg)	Shift load, kN (kg)
U 68x685x2 - 71	9.5 (969)	4.8 (489)	2.5 (255)
U 68x865x1.8 - 91	6.2 (632)	4.6 (469)	2.55 (260)

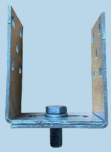
1 kN ~ 101.97 kg. All values are approximate and can be used as estimates for initial calculations. Actual load tests are mandatory! The manufacturer is not liable for damage caused due to errors in the calculation of loads.



# ACCESSORIES

**Ground screw accessories** provide enhanced flexibility for any construction project. These accessories are crafted from high-quality, hot-dip galvanized steel, ensuring durability and reliability. They allow you to extend the ground screw or adapt it to different profiles for specialized applications.

ADJUSTABLE L-BRACKETS



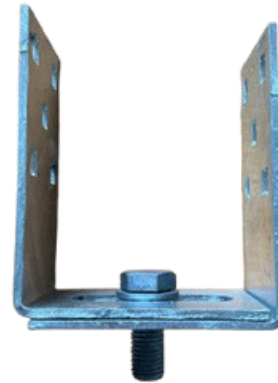
M ADAPTOR



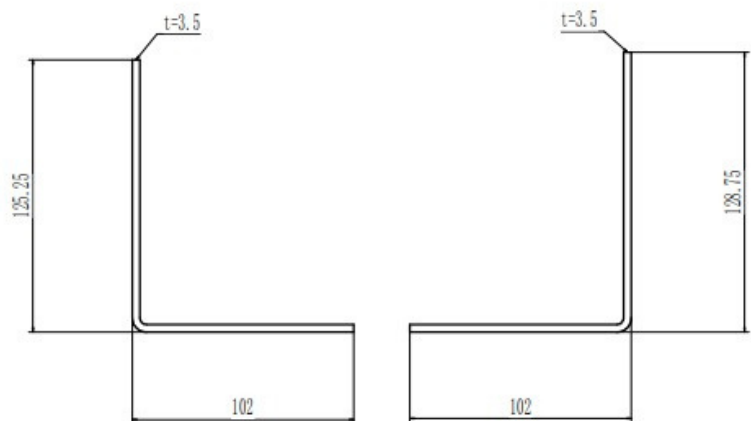
EXTENSION 1m



## ➤ M to U adapter



**Adjustable L-brackets** offer increased flexibility for using popular timber sizes in your foundation frame. Simply adjust the brackets to the required width, mount them on top of any M-profile ground screw, and secure with a bolt. These brackets also enable rotation, allowing you to align the timber in the desired direction.

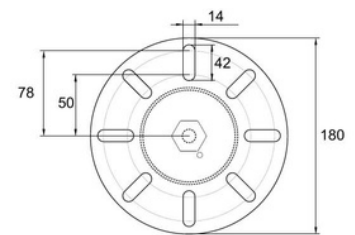
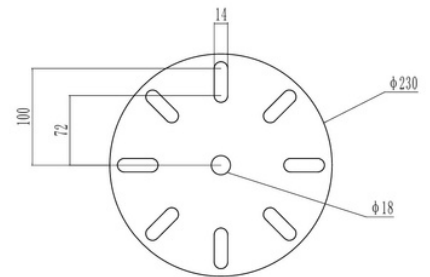
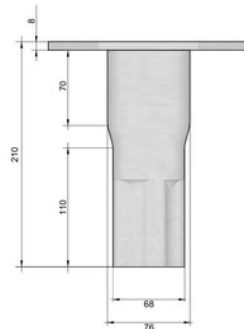
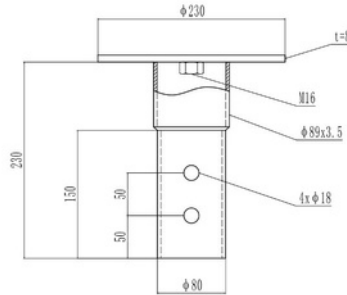


Each set includes **two brackets**, along with a **washer and bolt**. If needed, a single bracket can also be used independently.



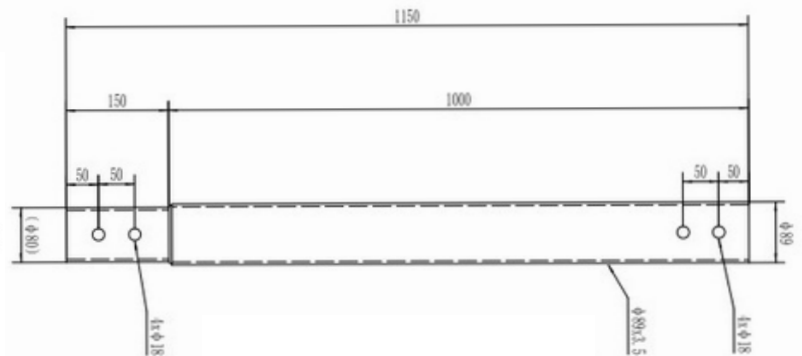
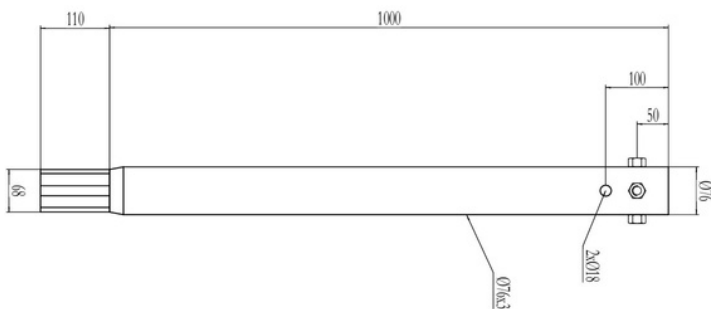
## ➤ G 76 to M adapter, G 89 to M adapter

Transforms G profile to M profile



## ➤ G 76 x 1000, G 89 x 1000 extension

Extends G profile for 1 meter



# ACCESSORIES

**Ground screw accessories** provide enhanced flexibility for any construction project. These accessories are crafted from high-quality, hot-dip galvanized steel, ensuring durability and reliability. They allow you to extend the ground screw or adapt it to different profiles for specialized applications.

**ADJUSTABLE  
L-ADAPTOR  
FOR G PROFILE**



**G GROUND SCREW**



## G TO L adapter



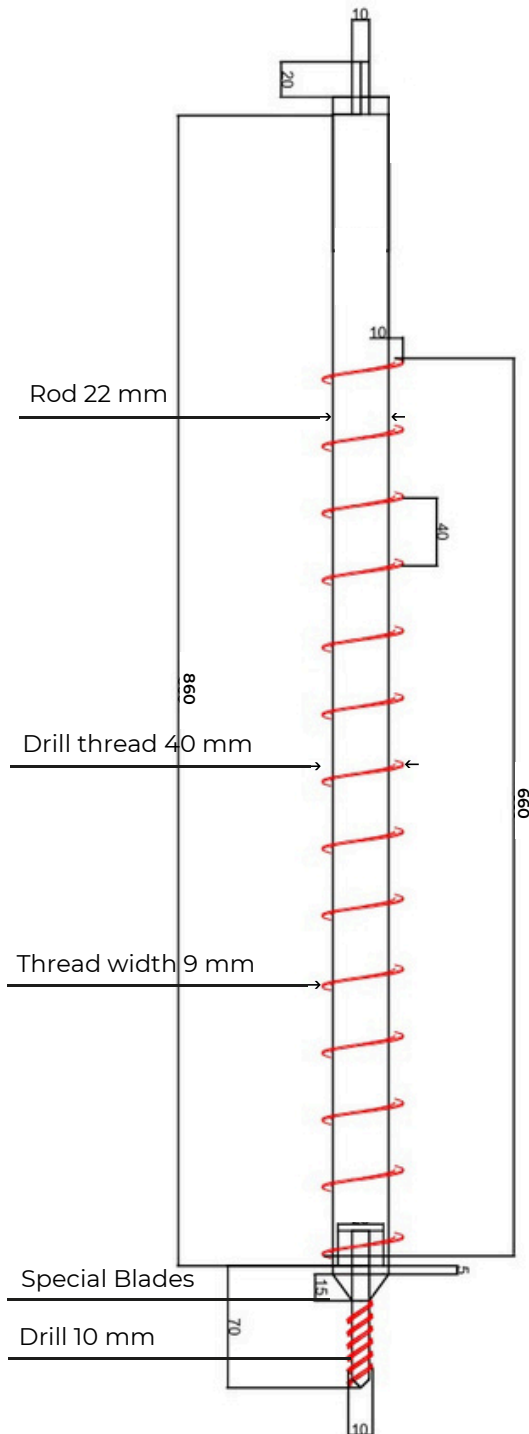
The **adjustable G-to-L adapter** provides added flexibility for using popular timber sizes in your foundation frame. Simply adjust the bracket to the required width, attach it to any G-profile ground screw, and secure it with a bolt. The bracket also allows for rotation, making it easy to align the timber in the desired direction.

**G to L adapter** is easier to use. It allows 360° rotation and adjusting the L bracket to necessary position.





## Pre drilling tool



# GROUND SCREW PRE DRILLING TOOL

**Pre-drilling** for ground screws makes installation much easier, especially in hard soils. This process helps reduce the effort needed to install ground screws manually, with a steel rod, or using a ground screw reducer. Additionally, pre-drilling lowers the strain on power tools, preventing overheating and potential burnout.

**40 mm**

drill thread

**10 mm**

connection with screw driver (bit)

**660 mm**

thread length

**22mm**

base

**SPECIAL BLADES**

for cutting harder soil

for  
**RENT  
& SALE**

# INSTALLATION EQUIPMENT

The ground screw **reductor** is an excellent mechanical tool that enables ground screws to be installed using a standard electric screwdriver. It's ideal for installing ground screws up to 1000mm in length, making the process more efficient and accessible.

**1 minute**  
assembling time

**13 kg**  
weight

**40x25x10 cm**  
box size

**regular screwdriver**  
compatible to

**1:78**  
gear ratio

for  
**RENT  
& SALE**

## ➤ Ground Screw Reductor



## Adaptors for all profiles:





# INSTALLATION EQUIPMENT

Professional ground screw equipment simplifies the process and offers significant benefits for installers. Ground screw higher torque and enable faster enhancing efficiency on the job.

## Screw Pile driver SPD-5 000

**5300 N.M**  
max. torque

**220 V**  
voltage

**18 A**  
max AC current

**2920 W**  
max power consumption

**20 rotation/min**  
no-load speed

## Screw Pile driver SPD-10 000

**10000 N.M**  
max. torque

**230 V**  
voltage

**23 A**  
max AC current

**5000 W**  
max power consumption

**12 rotation/min**  
no-load speed

- **Screw Pile driver SPD-5 000**
- **Screw Pile driver SPD-10 000**



Set includes:

- Screw Pile driver
- bearing shoulder
- handle
- spare coals
- assembly tools
- instruction

**Adaptor heads not included!**

for  
**RENT  
& SALE**

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**SCAN ME**

