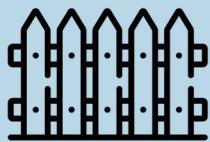


INOVAT product catalogue 2026

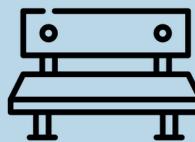
INOVAT PILLARS ground screws offer the perfect solution, allowing you to establish a solid foundation for your construction without the hassle of using concrete. Simple, yet strong.



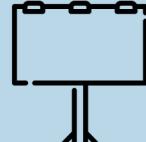
Where to use ground screws?
FOUNDATION



Fences & Posts



Benches



Outdoor Advertising



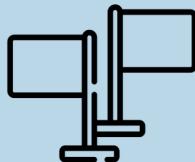
Saunas & Log Houses



Piers & Docks



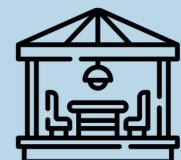
Outdoor Lighting



Flags & Flagpoles



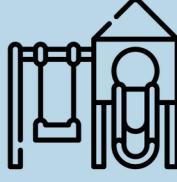
Road Signs



Sheds & Barns



Volley Nets



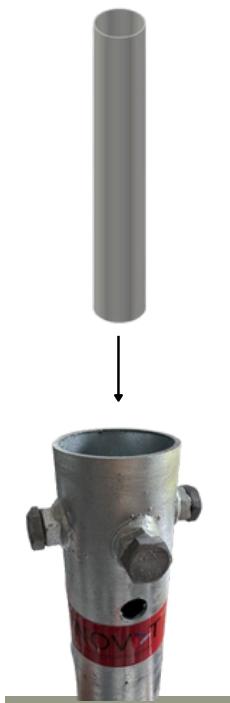
Playgrounds



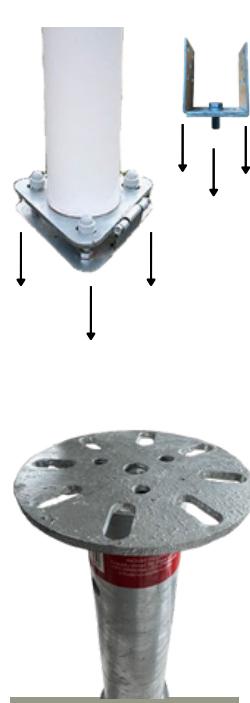
Solar Panels

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.

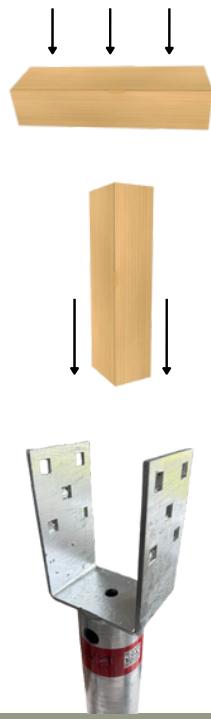


G profile



M 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.



U profile

GROUND SCREW



G76x1500x3 - 4xM16

G 76 x 1500 x 3 - 4xM16

SPECIFICATIONS

Number and size of the
bolt fixation (G)
Bracket width (U)
Central thread size on
the plate (M)

**STEEL THICKNESS
(mm)**

**GROUND SCREW
LENGTH (mm)**

**OUTER DIAMETER
(mm)**

PROFILE:



G profile
open tube
with bolt
fixation



M profile
round/
hexagonal
plate with
thread



U profile
"u" type
bracket with
holes for
fixation

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**



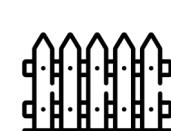
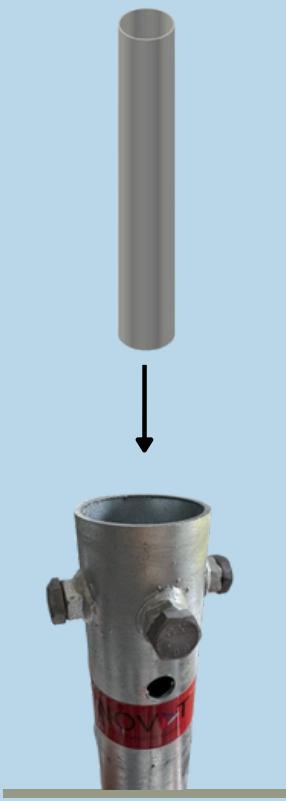
Equipment

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

pages **15-17**

G PROFILE

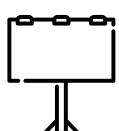
G ground screws are designed for securing various types of pipes within the screws themselves. Pipes are firmly fixed using bolts, making these screws ideal for fences, flagpoles, volleyball nets, and other types of posts. They are also extendable for versatile applications.



Fences & Posts



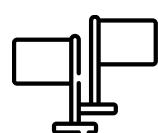
Solar Panels



Outdoor Advertising



Outdoor Lighting



Flags & Flagpoles

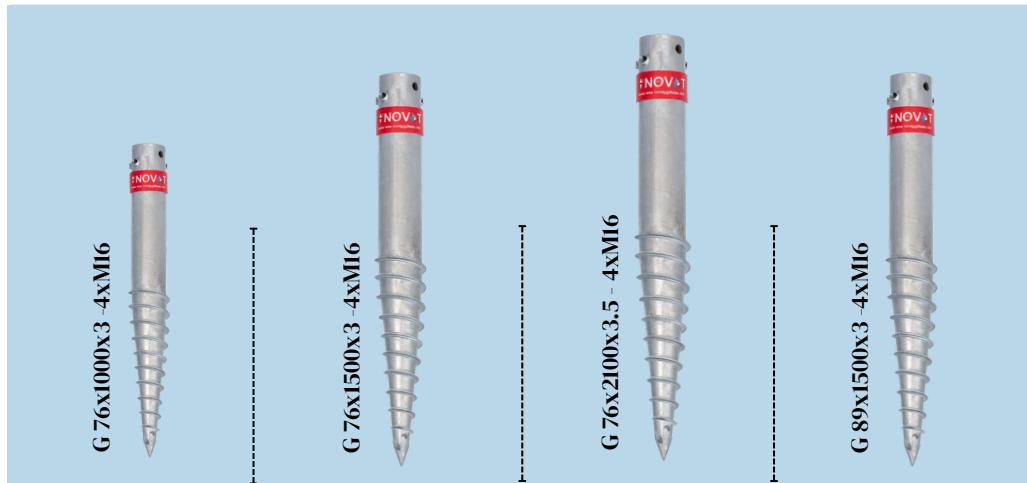


Road Signs

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

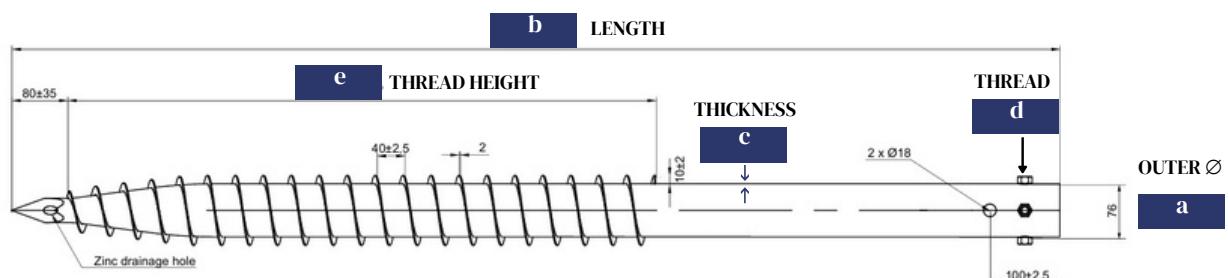
d

e

➤ Load Tests

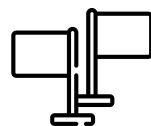
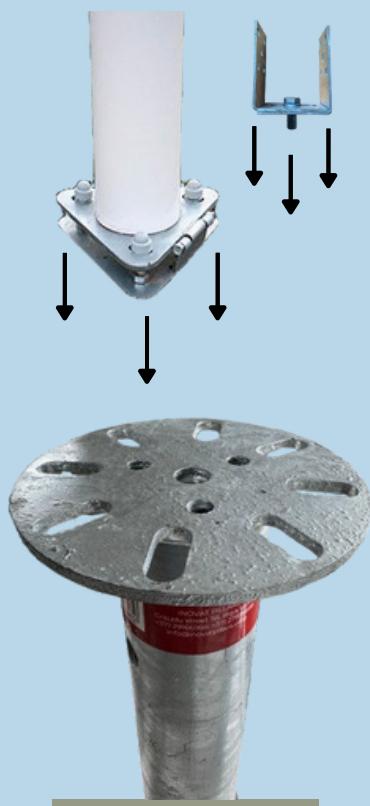
	MAX load, kN (kg)	MAX tension load, kN (kg)	Shift load, kN (kg)
G 76x1000x3 - 4xM16	16.5 (1683)	9.5 (969)	4.5 (459)
G 76x1500x3 - 4xM16	31 (3161)	18.5 (1886)	7.5 (765)
G 76x2100x3.5 - 4xM16	45 (4589)	26 (2651)	11 (1122)
G 89x1500x3 - 4xM16	36 (3671)	20.2 (2060)	9.3 (948)

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.



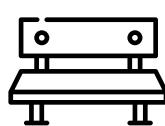
Flags & Flagpoles



Saunas & Log Houses



Sheds & Barns



Benches



Volley Nets

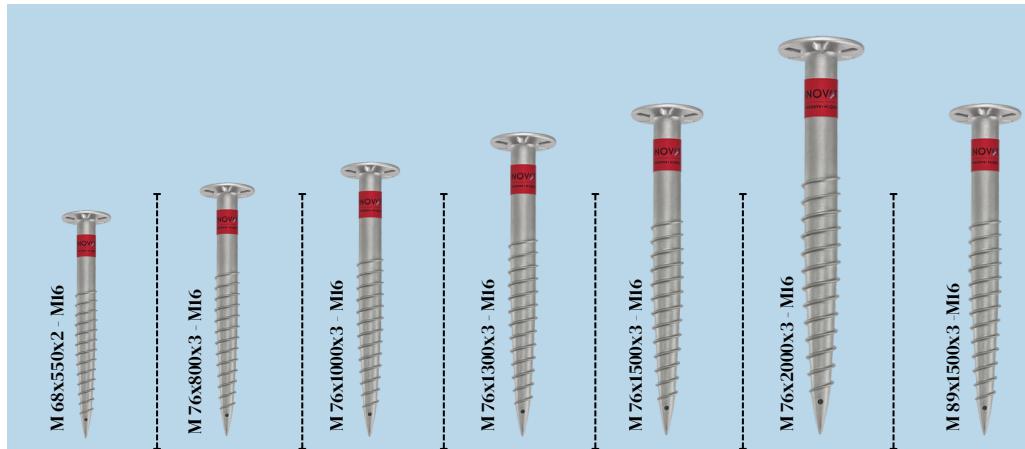


Playgrounds

M PROFILE



➤ Product series



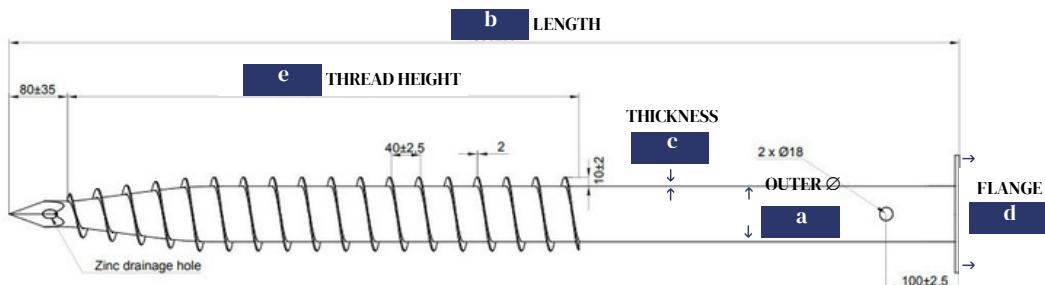
➤ Technical Data

	OUTER Ø	LENGTH	THICKNESS	FLANGE	THREAD HEIGHT	WEIGHT
	mm	mm	mm		mm	kg
M 68x550x2 - MI6	68	550	2	120	240	2.6
M 76x800x3 - MI6	76	800	3	160	400	5.2
M 76x1000x3 - MI6	76	1000	3	160	440	6.97
M 76x1300x3 - MI6	76	1300	3	160	760	7.88
M 76x1500x3 - MI6	76	1500	3	160	880	8.82
M 76x2000x3 - MI6	76	2000	3	160	1160	13.01
M 89x1500x3 - MI6	76	1500	3	230	840	12.16

➤ Load Tests

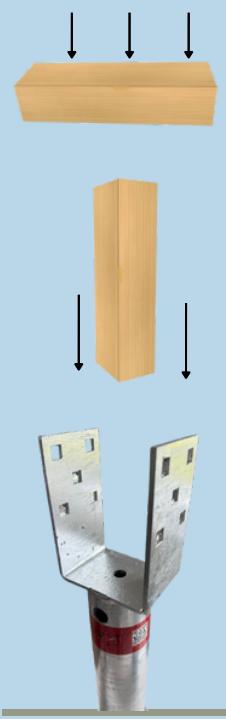
	MAX load, kN (kg)	MAX tension load, kN (kg)	Shift load, kN (kg)
M 68x550x2 - MI6	10.5 (1071)	5.2 (530)	2.8 (286)
M 76x800x3 - MI6	12.5 (1275)	6.5 (663)	3.4 (347)
M 76x1000x3 - MI6	16.5 (1683)	9.5 (969)	4.5 (459)
M 76x1300x3 - MI6	24 (2447)	14 (1428)	6 (612)
M 76x1500x3 - MI6	31 (3161)	18.5 (1886)	7.5 (765)
M 76x2000x3 - MI6	38 (3875)	22 (2243)	9 (918)
M 89x1500x3 - MI6	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.

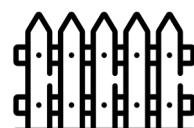


U PROFILE

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.



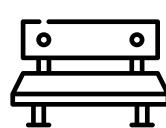
Piers & Docks



Fences & Posts



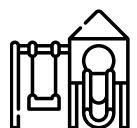
Sheds & Barns



Benches



Volley Nets

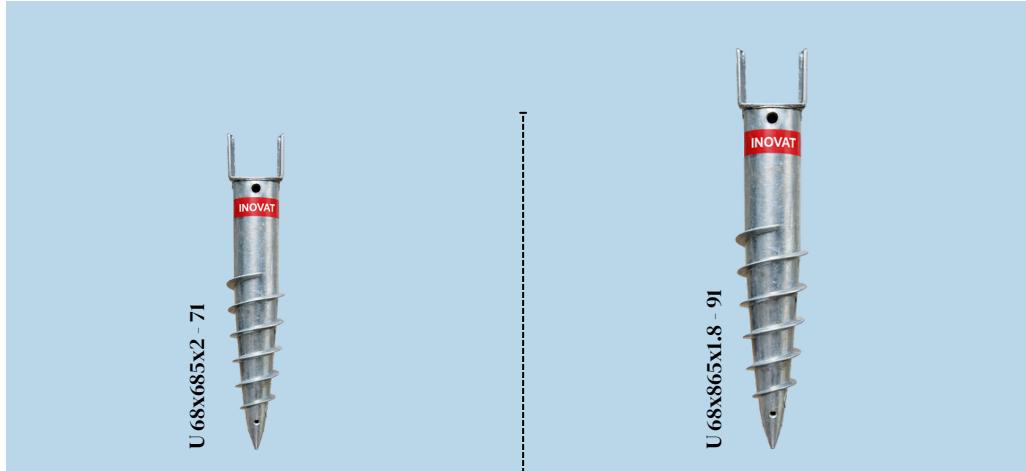


Playgrounds

U PROFILE



➤ Product Series



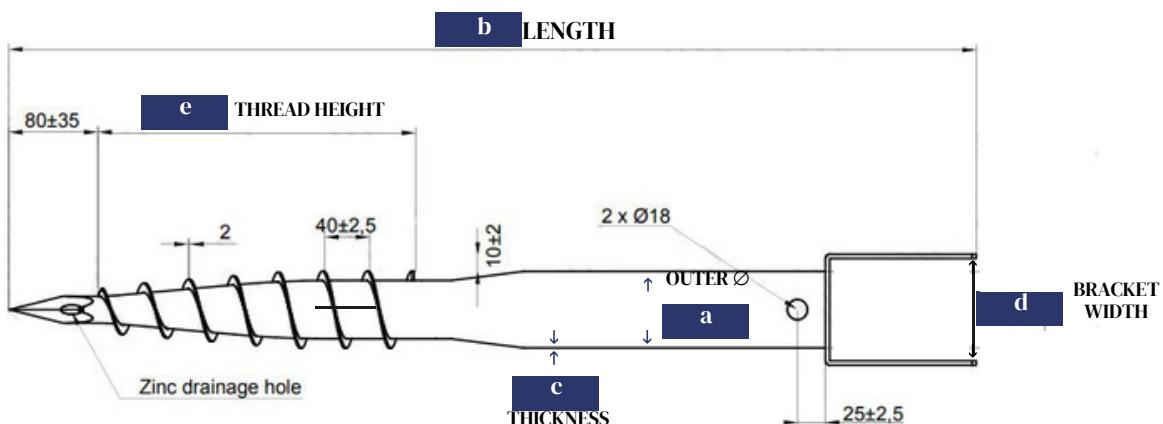
➤ Technical Data

	OUTER Ø mm	LENGTH mm	THICKNESS mm	BRACKET WIDTH mm	THREAD HEIGHT mm	WEIGHT 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



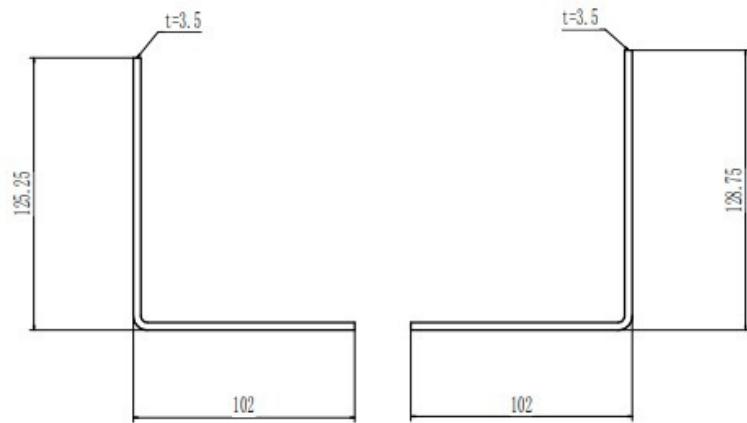
EXTENSION 1m



➤ 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.

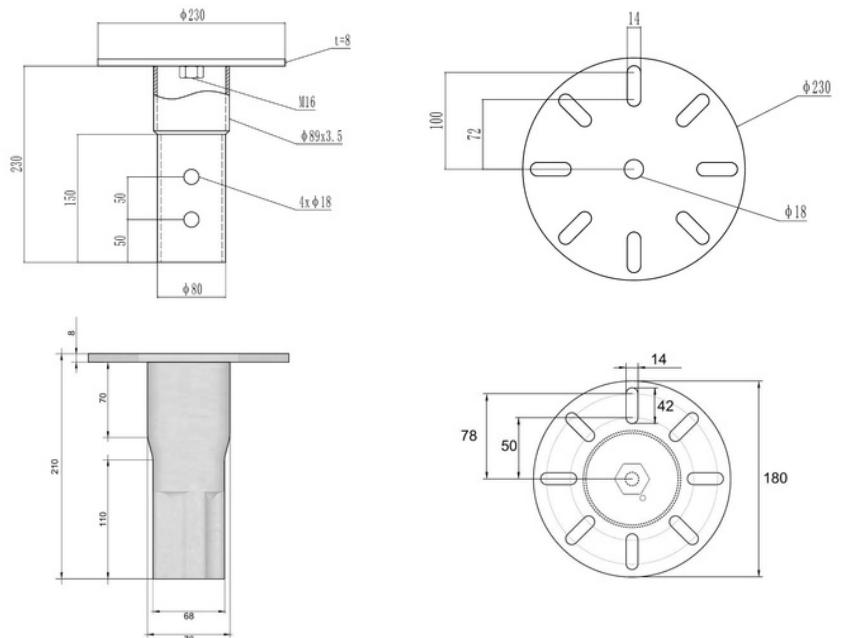


Each set includes **two brackets**, along with a **washer and bolt**. If needed, a single bracket can also be used independently.



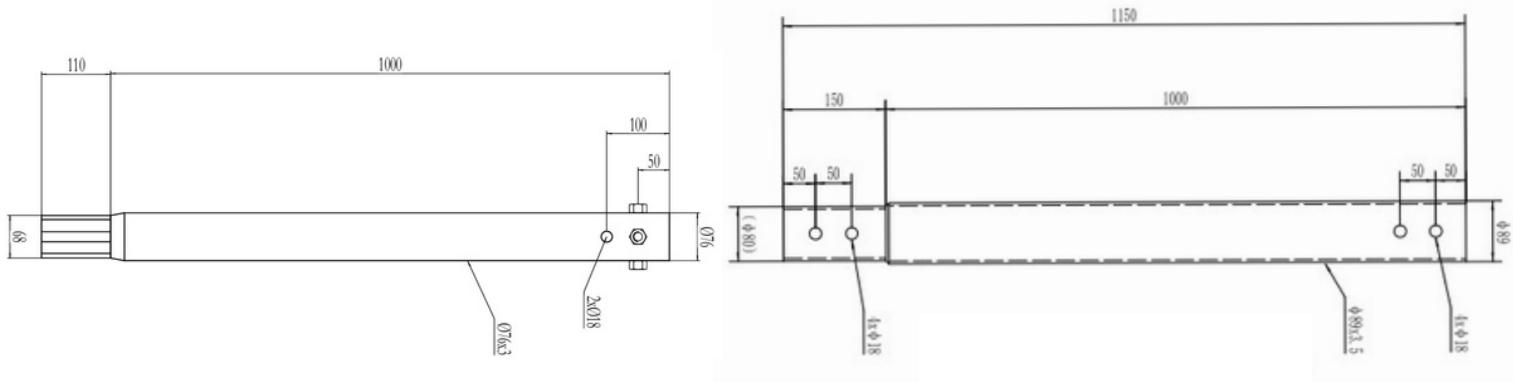
➤ G 76 to M adapter, G 89 to M adapter

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



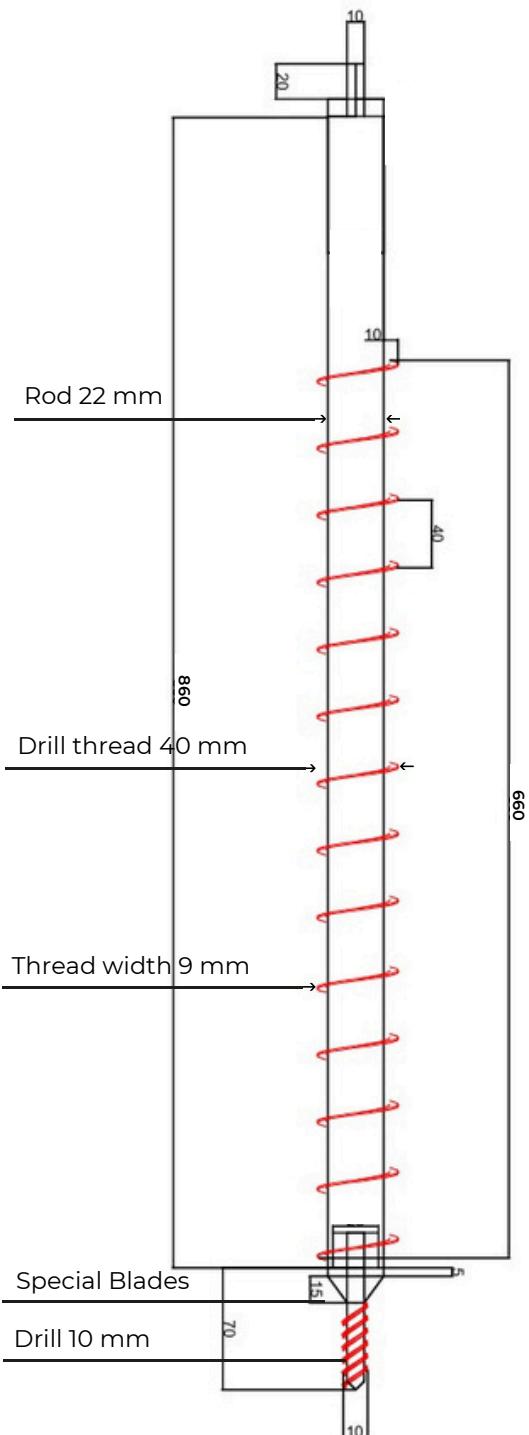
The **adjustable G-to-L adapter** provides added flexibility for using popular timber sizes in your foundation frame. Simply adjust the bracket to the required width, attach it to any G-profile ground screw, and secure it with a bolt. The bracket also allows for rotation, making it easy to align the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

➤ **Ground Screw Reductor**



Adaptors for all profiles:



for
RENT
& SALE



- **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**

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



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SCAN ME

