

Typhoon Anchor-Ground

TA-G | UK manufactured

High strength ground anchoring for deployable shelters, tents, field infrastructure, foreshore and temporary structures.

The Typhoon Anchor-G (TA-G) is a patented ground anchoring system designed to provide superior holding power, rapid deployment and controlled extraction compared with conventional stakes, pegs or anchors.

Subterranean fins deploy below the surface after insertion, significantly increasing resistance to pull-out forces while maintaining a slim 21 mm insertion profile.

Engineered for all forms of loam, with enhanced performance in loose and granular ground where conventional stakes, pegs and anchors often fail through limited friction and ground resistance.

Applications

- Military and humanitarian field infrastructure
- Temporary structures and event installations
- Emergency and disaster relief shelters
- Camping and expedition shelters
- OEM tent and shelter systems
- Foreshore and shallow water anchoring

Key product features

High holding strength

Subterranean fins deploy underground to significantly increase anchor resistance, utilising the inverted angle of repose.

Effective in granular ground

Performs well in sand, silt, granular and mixed substrates where conventional stakes fail.

Controlled deployment

The internal shaft mechanism deploys the anchor fins below ground level.

Mallet installation

Designed for insertion using a standard mallet.

Tool-free removal

The internal shaft retracts the fins to allow easy extraction.

Lightweight construction

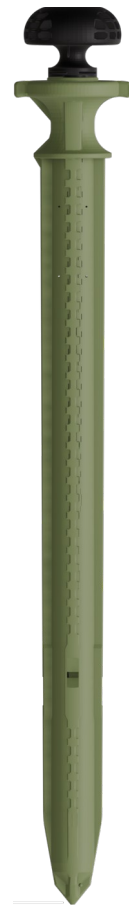
At 272 g, the optimised injection-moulded structure reduces material while maintaining strength, providing a high strength-to-weight ratio.

Reusable design

Durable materials allow repeated deployment cycles.

OEM and STANAG ready

Suitable for shelter kits and deployable infrastructure systems.



272 g

UNIT WEIGHT

Ø50 mm

MUSHROOM HEAD DIAMETER

400 mm

OVERALL LENGTH

Specification and operation

Dimensions

Parameter	Value
Overall length closed	370 mm
Overall length open or deployed	400 mm
Mushroom head diameter	50 mm
Overall width including finger pulls	60 mm
Outer sheath diameter - excluding stabilization ribs	21 mm
Weight	272 g

Structure and materials

Three primary structural elements: outer casing, internal shaft and subterranean anchor fins.

Component	Typical generic material
Outer casing	High-impact engineering polymer
Shaft	Reinforced polymer / composite
Anchor fins	Stainless steel or reinforced composite
Tip	Reinforced polymer

Installation and removal



01 Insert

Position the anchor vertically. Insert using a standard mallet until the stop collar contacts the ground.



02 Deploy

Pull the internal shaft upward. The subterranean fins deploy beneath the soil surface. Attach the guy line, lanyard or tether.



03 Remove

Push the internal shaft downward so the fins retract into the body. Withdraw the anchor vertically without specialised tools.

Modular adaptive tooling

Custom anchor lengths and mushroom head configurations to suit your requirements.

Injection moulding is the primary manufacturing process. The design removes excess material in thick casing sections, uses ribbing to improve structural stiffness and optimises wall thickness for mould flow.

Variants in development

Typhoon Anchor-Polar (TA-P) For snow and Arctic environments.

Typhoon Anchor-Extreme (TA-X) For large structures and heavy ground.

Typhoon Anchor-3D (TA-3D) For in-theatre manufacture and rapid iteration.

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