

Product Data Sheet

Terra-Lock™ Earth Percussion Anchors are designed to provide drive efficiency and maximize load capacity across a wide range of applications. The Terra-Lock™ A4 Anchor is Gripple's largest anchor. It is made of corrosion resistant Zinc Aluminum and will provide the holding capacity your project needs for many years.

Component	Type	Material	Test Method	Physical Properties
Anchor Head	TLA4	Zinc-Aluminum Alloy - ZA 2 ⁽¹⁾	ASTM B-240-10	6.50" x 2.36" x 1.40" (L x W x H) Bearing Area: 12 in ²

⁽¹⁾ Corrosion resistant pressure die cast zinc alloy

Performance Properties	Value	Data
Typical Anchor Load Range ⁽²⁾	lbs	500 – 2,300
Maximum Working Load ⁽²⁾	lbs	2,520
Ultimate Anchor Pull Out ⁽³⁾	lbs	8,300

⁽²⁾ Values are soil dependent; See graph on the following page.

⁽³⁾ Value based on an install depth of 5ft in very dense soil.



TL-A4

SPT Count & Gripple Anchor Performance

General information

The Standard penetration test (SPT) is widely used to determine the strength and deformation properties of the course soil.

Approximate correlation of properties of drained granular soil are:

Very Loose	SPT 0-4
Loose	SPT 4-10
Medium Dense	SPT 10-30
Dense	SPT 30-50
Very Dense	> 50

These figures can then be used to obtain typical shear strength and bulk unit weight for each soil.

This information is then used to predict Gripple Anchor Performance in relation to the conditions described.

The following graphs are derived from idealized theoretical calculations and should be used as a guide only. The variability of soil types should always be taken into account and on-site testing should always be carried out in order to obtain more accurate results.