

ANCORLOC

WORLD LEADER

IN EARTH

ANCHORING SOLUTIONS

AncorLoc Australia introduces Series II DUCKBILL® Earth Anchors and continue to offer superior earth anchoring systems, innovative solutions to anchor problems, and engineering and field services. Continuing to set the bar in earth anchoring innovation, AncorLoc present the new SERIES II DUCKBILL® Earth Anchors which are patented worldwide.

DUCKBILL® Earth Anchors are manufactured from aluminum alloys to provide strength and durability. For hard or rocky soils, DUCKBILL® anchors are available in galvanized ductile iron. For highly corrosive environments, DUCKBILL® anchors can be fabricated with stainless steel wire rope, plastic impregnated wire rope or other corrosion-resistant solutions.



NO DIGGING, NO EXCAVATION, NO SOIL DISTURBANCE

SAVE TIME AND LABOUR:

Fast and easy installation the patented DUCKBILL® Anchors work like toggle bolts in the soil.

NO HOLES, NO DIGGING & NO CONCRETE:

DUCKBILL® Anchors are driven into the ground and provide a safe and environmentally sensitive installation.

PERPENDICULAR “LOAD LOCK” IN UNDISTURBED SOIL:

An upward pull on the Duckbill anchor rotates the DUCKBILL® Anchor tendon into position.

SAFE, STRONG, LIGHTWEIGHT AND ECONOMICAL:

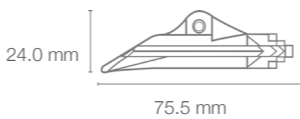
DUCKBILL® Anchor systems offer the most effective and easy to install solutions to any anchoring application, large or small. Anchors can be load tested immediatly after installation to exact holding capacity.

DUCKBILL® EARTH ANCHOR MODELS

LIGHT-MEDIUM CAPACITY

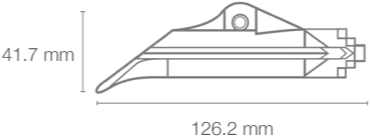
» MODEL 40 135 KG CAPACITY IN NORMAL SOILS

The smallest DUCKBILL® Anchor, used for light holding capacities is cabled with a 1.6 mm cable. For more aggressive soil, it can be cabled with a 3.2 mm cable.



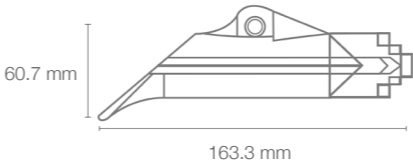
» MODEL 68 495 KG CAPACITY IN NORMAL SOIL

Used for medium holding capacities is cabled with a 3.2 mm cable. For more aggressive soil, it can be cabled with a 4.8 mm cable.



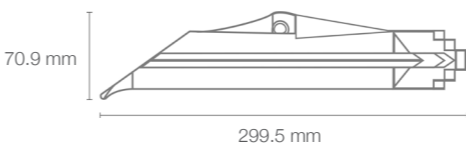
» MODEL 88 1350 KG CAPACITY IN NORMAL SOILS

The most common of the DUCKBILL® Anchors, the anchor is cabled with a 6 mm cable. For more aggressive soil, it can be cabled with a 8 mm cable.



» MODEL 138 2250 KG CAPACITY IN NORMAL SOILS

The largest of the DUCKBILL® Anchors, the anchor is cabled with a 8 mm cable. This is anchor is installed with a small jackhammer.



HOW DUCKBILL® EARTH ANCHORS WORK

1. Drive anchor into the soil using a hammer and drive steel rod (a small jack hammer can also be used with power drive steel).



2. Load anchor. Remove Drive Steel once anchor is at the proper depth. Pull up on wire rope to set the anchor in the soil.



3. Set “Load lock” with an upward pull on the wire rope to rotate the anchor into a perpendicular position.



DUCKBILL HOLDING CAPACITIES

DUCKBILL MODEL	RECOMMENDED LOAD*	WIRE LOAD CAPACITY	CABLE DIAMETER	INSTALLATION DEPTH
MODEL 40	135 Kg	216 Kg	2 mm	500 mm
MODEL 68	495 Kg	765 Kg	4 mm	800 mm
MODEL 88	1,350 Kg	2,745 Kg	6 mm	1050 mm
MODEL 138	2,250 Kg	4,410 Kg	8 mm	1500 mm

*Recommended working load in normal soil, defined as: Most Common Soil Types: Dense Fine Sand, Very Hard Silts and Clays, Dense Clays, Sands, Gravel, Hard Silts and Clays
Typical Blow Count Per ASTM-D1586 is 24-40

Anchor holding capacity will vary in different soils. Increased capacities can be expected in harder soil classes (numerically higher blow count classifications) and lower capacity can be expected in the softer soil classes [numerically lower blow count]. Anchors are rated in an average (class 5) soil condition. The rating is meant to be a reference for anchor selection. Proof-loading is the only way to insure the exact capacity of each installation.

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ANCOR LOC BREAKTHROUGH EARTH ANCOR SOLUTIONS
VIC, NSW, SA, WA, QLD, NT, ACT & TAS

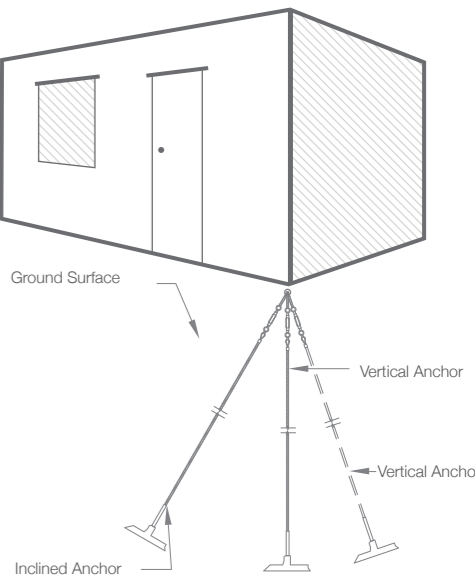
PORTABLE BUILDINGS & MULTIPURPOSE

SECURE ON SITE WITH DUCKBILL® EARTH ANCHORING SOLUTIONS

DUCKBILL® Earth Anchors are used worldwide to secure any object that can be moved, blown down or stolen. DUCKBILL® Anchors are available in different sizes and capacities for any hold down application.

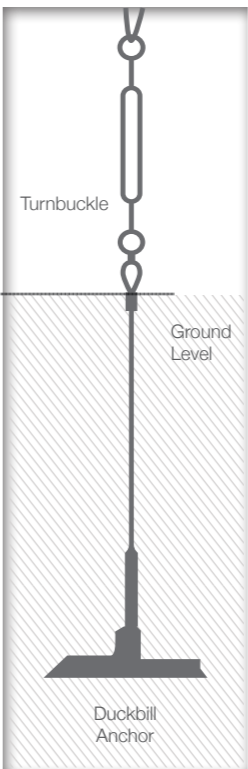
IDEAL FOR:

- » Portable Buildings
- » Caravans
- » Tents
- » Fences
- » Vineyards
- » Sheds
- » Aeroplanes
- » Towers
- » Signs
- » Antennas
- » Playground equipment
- » Cyclone Prone Areas
- » Scaffolding
- » Structures



SPECIFICATIONS

PRODUCT	MODEL 40-DB1	MODEL 68-DB1	MODEL 88-DB1	MODEL138-DB1
CAPACITY (PER ANCHOR)	1.33 kN	4.89 kN	13.39 kN	22.24 kN
WIRE ROPE LENGTH	500 mm	800 mm	1100 mm	1500 mm
GALVANIZED WIRE ROPE	1.6 mm 7x7 WSC	4.0 mm 7x19 WSC	6.0 mm 7x19 WSC	8.0 mm 7x19 WSC
ROPE BREAKING STRENGTH	2.14 kN	7.56 kN	31.13 kN	43.59 kN



MULTI-PURPOSE



EROSION CONTROL



HORTICULTURE
TREE SUPPORT ANCHORING SOLUTIONS

Unsupported trees often end up growing slower or are simply knocked over and killed by the wind. DUCKBILL® Tree Support Kits are perfect for keeping trees vertical and limiting motion, letting the roots establish themselves for quicker, healthier growth.

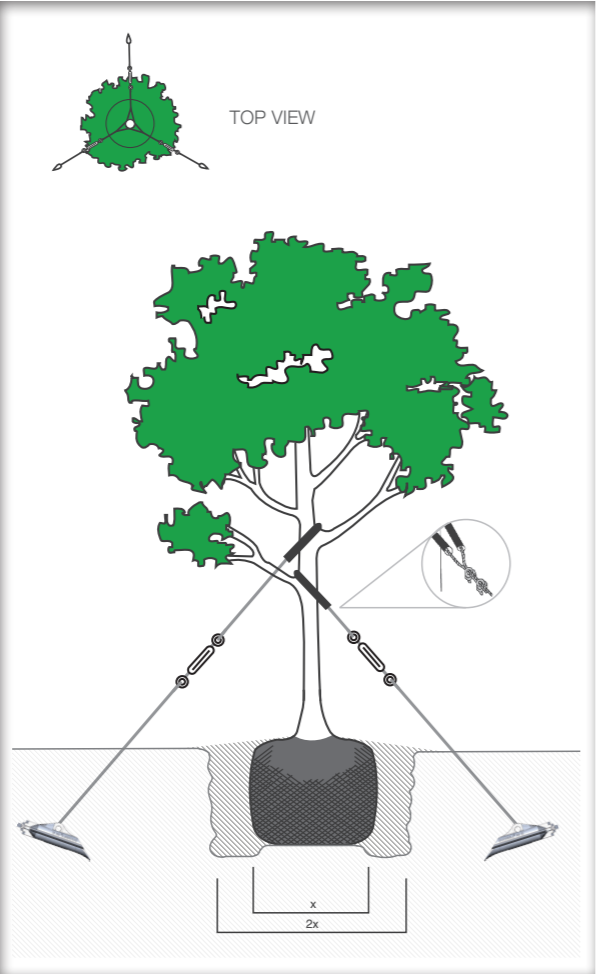
No time wasted on assembling various components. With Duckbill Anchors, everything is done for you.

TREE GUY SUPPORT KITS
THE LANDSCAPE ARCHITECTS CHOICE

Ideal for trees and bushes in landscape, orchard and nursery applications, each DUCKBILL® Earth Anchor Tree Support Kit comes pre-assembled and will anchor one tree.

- » SAFE: No rigid rods remain above ground to injure people or pets or damage lawn care equipment.
- » STRONG: The DUCKBILL® Earth Anchor rotates into undisturbed soil for a secure hold.
- » EASY: Installation includes three simple steps - drive anchor to desired depth, remove drive steel and pull up on cable, then place tree collar around tree above limb to secure.

All kits are available with galvanized steel, clear or highly visible orange/white vinyl coated wire rope.



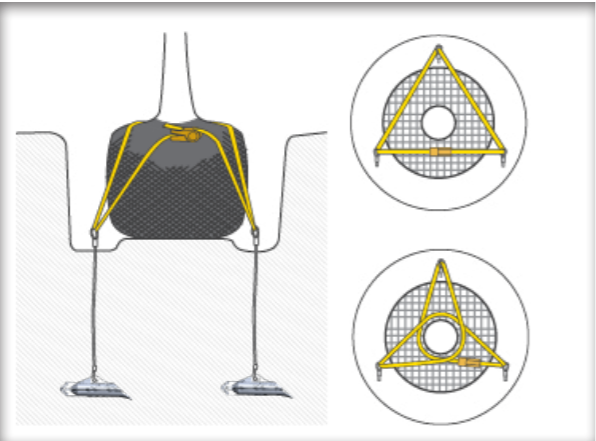
ROOT BALL KITS
COMPLETE UNDERGROUND TREE SUPPORT SYSTEM

The DUCKBILL® Root Ball Kit is the anchoring solution of choice when guy pole or stake systems are not possible or desirable in locations such as playgrounds, parks or where sidewalk plantings are required.

The DUCKBILL® Root Ball Kit is specifically designed to hold the tree's root ball firmly in place, with only the tree protruding above the ground.

Each Root Ball Kit comes with 3 DUCKBILL® anchors with D-ring and 1 strap with hand ratchet.

- » NO UNSIGHTLY POLES OR STAKES
- » FAST AND EASY TO INSTALL
- » COMPLETELY UNDERGROUND



HORTICULTURE KIT SPECIFICATIONS
[ONE KIT ANCHORS ONE TREE]

TREE SUPPORT KIT	MODEL 40 DTS KIT FOR TREES UP TO 75 MM DIAMETER	MODEL 68 DTS KIT FOR TREES UP TO 150 MM DIAMETER	MODEL 88 DTS KIT FOR TREES UP TO 280 MM DIAMETER
ROOT BALL KIT	MODEL 40 RBK KIT FOR TREES UP TO 50 MM DIAMETER	MODEL 68 RBK KIT FOR TREES UP TO 75 MM DIAMETER	MODEL 88 RBK KIT FOR TREES UP TO 150 MM DIAMETER
KIT CONTENTS	» 3 DUCKBILL® anchors with D-ring » 1 strap of 1.8 m with hand ratchet	» 3 DUCKBILL® anchors with D-ring » 1 strap of 6 m with hand ratchet	» 3 DUCKBILL® anchors with D-ring » 1 strap of 6.4 m with hand ratchet
CAPACITY (PER ANCHOR)	1.33 kN in normal soil	4.89 kN in normal soil	13.39 kN in normal soil

Drive steel additional

EQUIPMENT DRIVE STEEL

DUCKBILL® Anchors are used worldwide to secure items that can be stolen, moved or blown down. Duckbill Anchors are intended for light duty applications in normal soils.

For highly corrosive environments, Duckbill Anchors can be fabricated with stainless steel wire rope, plastic impregnated wire rope or other corrosion-resistant solutions.

MODEL SPECIFIC HAND DRIVE STEEL FOR DUCKBILL® ANCHORS Come in a variety of sizes for light-heavy duty applications.

HAND DRIVE STEEL SIZES:

- » MODEL 40 [DS-40] 9.7 mm round / 60 mm long
- » MODEL 68 [DS-68] 12.7 mm round / 90 mm long
- » MODEL 68-HD [DS-68-HD] 19mm round / 120 mm long
- » MODEL 88 [DS-88] 190 mm round / 120 mm long
- » MODEL 138 Power Drive Steel Required



CONTACT US

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LEEA AND NATA TEST RESULTS AVAILABLE ON REQUEST



NEW
PATENTED
SERIES II
EARTH ANCHOR

- > PORTABLE BUILDING
- > TREE SUPPORT
- > EROSION CONTROL

NEW FEATURES

CHISELLED CUTTING EDGES
INCREASED SURFACE AREA
LATERAL DIRECTION GUIDE RIBS

BENEFITS

FASTER INSTALLATION & PENETRATES SOILS
QUICKER LOADING, STRONGER HOLD
MORE STABLE DRIVE PLANE INSTALLATION ANGLE

