

New flanged hex head for improved performance

Hardened high carbon steel construction

25° thread helix angle provides reduced setting torque

Single self-tapping thread provides secure anchorage over the full embedment of the anchor without bursting the substrate

## Description

The AnkaScrew™ Screw-In Anchor is a totally removable, medium duty, rotation setting, thread forming anchor, ideal for either temporary or permanent anchoring into substrates such as concrete, brick, hollow brick or block. The AnkaScrew™ is particularly well suited to close-to-edge or close-to-anchor fixing as it does not expand and burst the surrounding substrate.

## Specification

Material	High Carbon Steel
Corrosion Protection	Zinc Plating
Head Style	Flanged Hex
Fixing Method	Through Fixture
Setting Method	Rotation
Anchoring Method	Thread Forming
Drilled Hole Diameters	16mm
Anchor Lengths	115mm, 140mm, 160mm
Maximum Fixture Thickness	25mm, 50mm, 70mm
Indicative Working	Max Tensile 23.1kN
Loads in 32MPa Concrete*	Max Shear 26.6kN
Substrates	Concrete, Solid Brick, Solid Block, Hollow Block, Hollow Slab, Hollow Brick

\* Refer to load table



## Features & Benefits

- The AnkaScrew™ is both fast and easy to install as it simply screws into a pre-drilled hole.
- The AnkaScrew™ is even faster and easier to remove. It simply screws out leaving an empty hole with no protruding metal parts to grind off.
- The AnkaScrew™ is ideal for close-to-edge and close-to-anchor installation as its self-tapping, rotation setting method of installation is not subject to any expansion pressure, therefore does not burst the substrate.

## Related Products

DynaDrill™  
Carbide Drill Bits  
Diamond Motor  
Diamond Core Drill Bits  
Hole Cleaning Brush

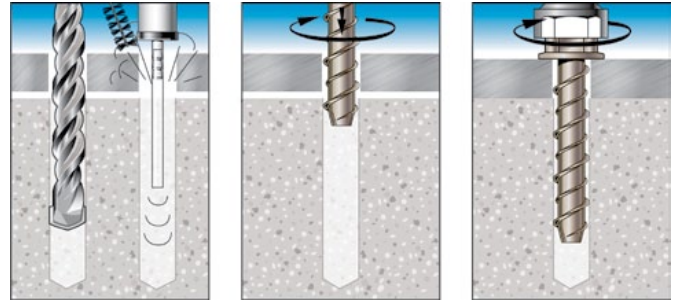
Hole Cleaning Pump  
Wet and Dry Vacuum  
Impact Wrench  
Impact Sockets

### Trades & Applications

	Carpenter	Construction Contractor	Racking Installer	Concrete Formworker
Bottom plates	✓			
Temporary hand rails/safety barriers		✓		
Pallet racking			✓	
Formwork support				✓

### Installation

1. Drill or core a hole to the recommended diameter and depth using the fixture as a template. Clean the hole thoroughly with a hole cleaning brush. Remove the debris with a hand pump, compressed air, or vacuum.
2. Insert the AnkaScrew™ through the fixture and screw it into the hole with either a socket wrench or an impact wrench using slight pressure until the self-tapping action begins.
3. Tighten the AnkaScrew™ until the fixture is held firm. If resistance is experienced when tightening, unscrew the anchor one turn and re-tighten. Ensure that you do not over tighten.


**Medium Duty Anchors**


### AnkaScrew™ 16mm Screw-In Anchors - Zinc Plated

Part No.	Anchor Size (mm)	Maximum Fixture Thickness (mm)	Anchor Length (mm)	Drilled Hole Ø (mm)	Fixture Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
AS16115	16	25	115	16	19	115	115	10
AS16140	16	50	140	16	19	115	140	10
AS16160	16	70	160	16	19	115	160	10

### AnkaScrew™ 16mm Screw-In Anchors - Indicative Working Loads in 32MPa Concrete

Anchor Size/ Hole Ø (mm)	Embedment Depth (mm)	Min Edge Distance (mm)	Min Anchor Spacing (mm)	Max Tensile Load, N <sub>a</sub> (kN)*	Max Shear Load, V <sub>a</sub> (kN)*
16	120	160	100	23.1	26.6

\*The design engineer should ensure the structural element is capable of supporting these loads. Refer to Ramset™ Specifiers Resource Book for more information or explanation of technical data.