

## 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

<b>Material</b>	High Carbon Steel
<b>Corrosion Protection</b>	Zinc Plating, Mechanical Galvanising
<b>Head Style</b>	Flanged Hex (5mm & 6mm), Hex (8mm, 10mm & 12mm)
<b>Fixing Method</b>	Through Fixture
<b>Setting Method</b>	Rotation
<b>Anchoring Method</b>	Thread Forming
<b>Drilled Hole Diameters</b>	5mm, 6mm, 8mm, 10mm, 12mm
<b>Anchor Lengths</b>	30mm, 50mm, 60mm, 75mm, 100mm, 150mm
<b>Maximum Fixture Thickness*</b>	5mm, 10mm, 15mm, 20mm, 25mm, 35mm, 40mm, 45mm, 50mm, 60mm, 70mm, 90mm, 100mm
<b>Indicative Working Loads in 32MPa Concrete*</b>	Max Tensile 1.4kN - 14.4kN Max Shear 1.5kN - 16.7kN
<b>Substrates</b>	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

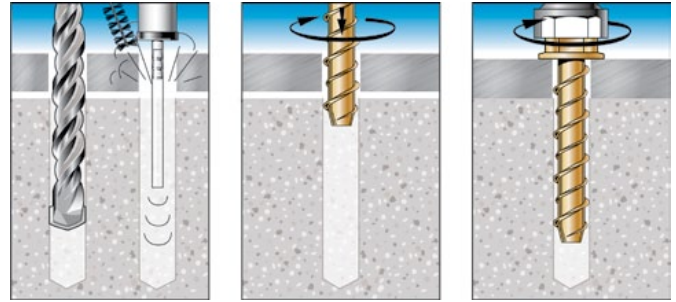
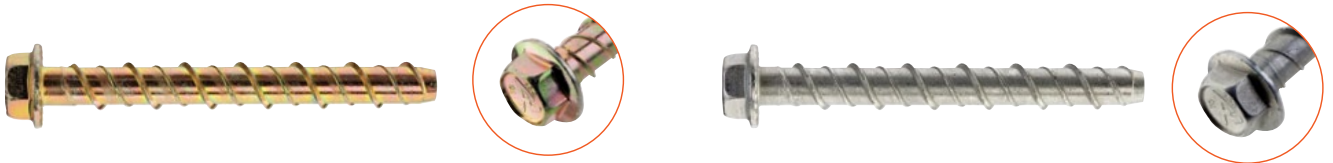
Hole Cleaning Pump  
Wet and Dry Vacuum  
Impact Wrench  
Impact Sockets

## 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™ Screw-In Anchors - Zinc Plated & Mechanically Galvanised

Part No. Zinc Plated	Part No. Mechanically Galvanised	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
AS05030	-	5	5	30	5	7	30	28	100
AS06050	AS06050GM	6	20	50	6	8	60	44	100
AS06075	AS06075GM	6	45	75	6	8	65	69	100
AS06100	AS06100GM	6	70	100	6	8	65	94	100
AS08060	AS08060GM	8	20	60	8	10	75	54	100
AS08075	AS08075GM	8	35	75	8	10	75	69	100
AS08100	AS08100GM	8	60	100	8	10	80	94	100
AS10060	AS10060GM	10	10	60	10	12	80	54	50
AS10075	AS10075GM	10	25	75	10	12	85	69	50
AS10100	AS10100GM	10	50	100	10	12	95	94	50
AS12075	AS12075GM	12	15	75	12	14	100	69	50
AS12100	AS12100GM	12	40	100	12	14	110	94	50
AS12150	AS12150GM	12	90	150	12	14	110	144	20
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™ 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)*
5	25	15	15	1.4	1.5
6	45	25	50	4.1	4.5
8	60	35	70	6.6	8.4
10	75	40	80	9.8	13.8
12	90	50	100	14.4	16.7
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.