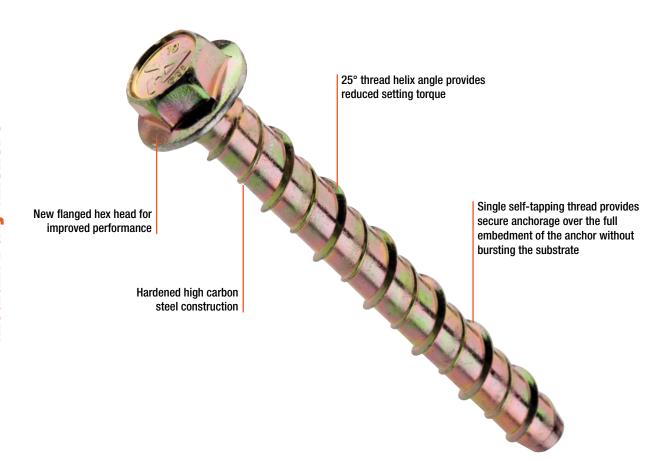
AnkaScrew[™] Screw-In Anchors





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

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



AnkaScrew[™] Screw-In Anchors

Trades & Applications

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

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.















AnkaScrew[™] Screw-In Anchors - Zinc Plated & Mechanically Galvanised

Part No. Zinc Plated	Part No. Mechanically	Anchor Size	Maximum Fixture	Anchor Length	Drilled Hole Ø	Fixture Hole Ø	Min Hole Depth	Effective Length	Order Qty
	Galvanised	(mm)	Thickness (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
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 _a (kN)*	Max Shear Load, V_a (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.