



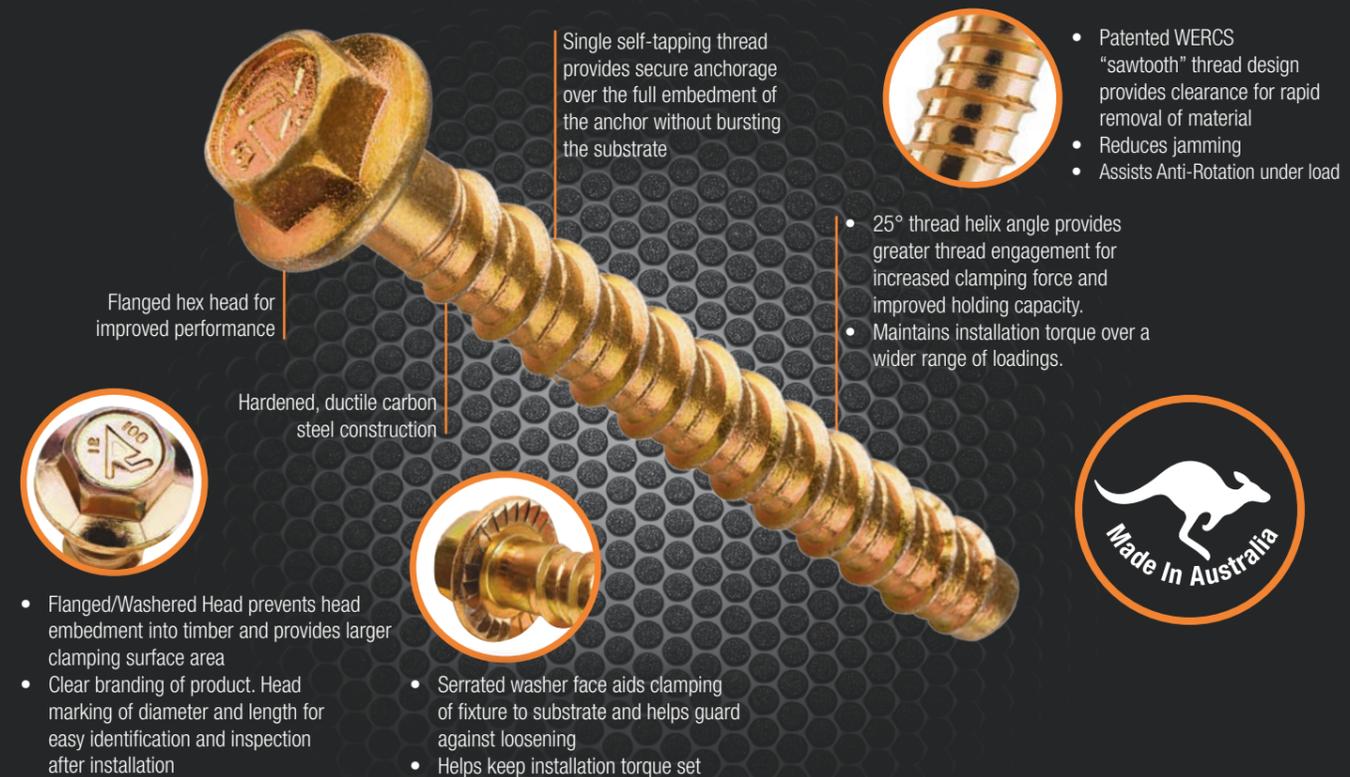
Ramset™

WERCS THREAD



Greater Clamping Force
Australian Made





- Flanged/Washed Head prevents head embedment into timber and provides larger clamping surface area
- Clear branding of product. Head marking of diameter and length for easy identification and inspection after installation
- Serrated washer face aids clamping of fixture to substrate and helps guard against loosening
- Helps keep installation torque set

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	Carbon Steel
Corrosion Protection	Zinc Plating, Mechanical Galvanising
Head Style	Flanged Hex 6mm, 8mm, 10mm & 12mm
Fixing Method	Through Fixture
Setting Method	Rotation
Anchoring Method	Thread Forming
Drilled Hole Diameters	6mm, 8mm, 10mm, 12mm
Anchor Lengths	50mm, 60mm, 75mm, 100mm, 150mm
Maximum Fixture Thickness	10mm, 15mm, 20mm, 25mm, 35mm, 40mm, 45mm, 50mm, 60mm, 70mm, 90 mm
Indicative Working Loads in 32MPa Concrete*	Max Tensile 4.1kN - 14.4kN Max Shear 4.5kN - 16.7kN
Substrates	Concrete, Solid Brick, Solid Block, Hollow Block, Hollow Slab, Hollow Brick

* Refer to load table

- Patented WERCS "sawtooth" thread design provides clearance for rapid removal of material
- Reduces jamming
- Assists Anti-Rotation under load

- 25° thread helix angle provides greater thread engagement for increased clamping force and improved holding capacity.
- Maintains installation torque over a wider range of loadings.



- Features & Benefits**
- High thread engagement increases clamp force and holding capacity over a wide range of loading.
 - The WERCS AnkaScrew™ is ideal for close-to-edge and close-to-anchor installation as its self-tapping, rotation setting method of installation is subject to low expansion pressure, therefore does not burst the substrate.
 - For concrete, brick & block (solid & hollow).
 - The WERCS AnkaScrew™ thread design provides clearance for rapid removal of material and reduces jamming.
 - The WERCS AnkaScrew™ is 100% removable.
 - The WERCS AnkaScrew™ is both fast and easy to install as it simply screws into a pre-drilled hole.
 - The WERCS AnkaScrew™ is even faster and easier to remove. It simply screws out leaving an empty hole with no protruding metal parts to grind off.
 - Available in galvanised for exterior applications.
 - Suitable for installation with impact wrenches.

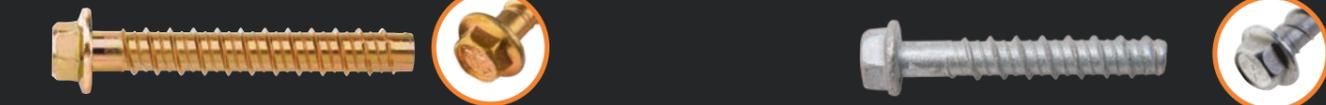
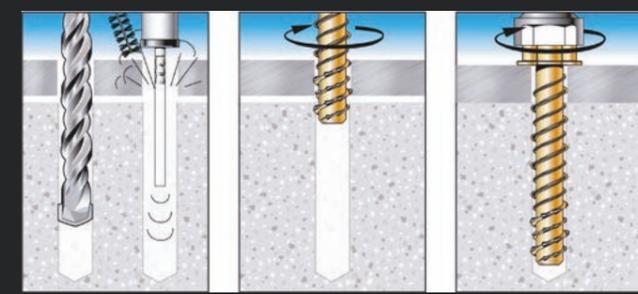
Related Products

DynaDrill™	Hole Cleaning Pump
Carbide Drill Bits	Wet and Dry Vacuum
Diamond Motor	Impact Wrench
Diamond Core Drill Bits	Impact Sockets

Trades & Applications

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

- Installation**
- 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.
 - Insert the AnkaScrew™ through the fixture and screw it into the hole with either a socket wrench or an impact wrench (with an impact socket) using slight pressure until the self-tapping action begins.
 - 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	Finish	Anchor Size (mm)	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Drill Diameter (mm)	Fixture Hole Diameter (mm)	Min Hole Depth (mm)	Socket Size (mm)	Qty
AS06050W100	ZINC	6mm	20 mm	50mm	6 mm	8 mm	60 mm Minus Fixture Thickness	10 mm	100
AS06050WGM100	GALVANISED	6mm	20 mm	50mm	6 mm	8 mm	60 mm Minus Fixture Thickness	10 mm	100
AS06075W100	ZINC	6mm	45 mm	75mm	6 mm	8 mm	85 mm Minus Fixture Thickness	10 mm	100
AS06075WGM100	GALVANISED	6mm	45 mm	75mm	6 mm	8 mm	85 mm Minus Fixture Thickness	10 mm	100
AS06100W100	ZINC	6mm	70 mm	100mm	6 mm	8 mm	110 mm Minus Fixture Thickness	10 mm	100
AS06100WGM100	GALVANISED	6mm	70 mm	100mm	6 mm	8 mm	110 mm Minus Fixture Thickness	10 mm	100
AS08060W100	ZINC	8mm	20 mm	60mm	8 mm	10 mm	75 mm Minus Fixture Thickness	13 mm	100
AS08060WGM100	GALVANISED	8mm	20 mm	60mm	8 mm	10 mm	75 mm Minus Fixture Thickness	13 mm	100
AS08075W100	ZINC	8mm	35 mm	75mm	8 mm	10 mm	90 mm Minus Fixture Thickness	13 mm	100
AS08075WGM100	GALVANISED	8mm	35 mm	75mm	8 mm	10 mm	90 mm Minus Fixture Thickness	13 mm	100
AS08100W100	ZINC	8mm	60 mm	100mm	8 mm	10 mm	115 mm Minus Fixture Thickness	13 mm	100
AS08100WGM100	GALVANISED	8mm	60 mm	100mm	8 mm	10 mm	115 mm Minus Fixture Thickness	13 mm	100
AS10060W50	ZINC	10mm	10 mm	60mm	10 mm	13 mm	80 mm Minus Fixture Thickness	15 mm	50
AS10060WGM50	GALVANISED	10mm	10 mm	60mm	10 mm	13 mm	80 mm Minus Fixture Thickness	15 mm	50
AS10075W50	ZINC	10mm	25 mm	75mm	10 mm	13 mm	95 mm Minus Fixture Thickness	15 mm	50
AS10075WGM50	GALVANISED	10mm	25 mm	75mm	10 mm	13 mm	95 mm Minus Fixture Thickness	15 mm	50
AS10100W50	ZINC	10mm	50 mm	100mm	10 mm	13 mm	120 mm Minus Fixture Thickness	15 mm	50
AS10100WGM50	GALVANISED	10mm	50 mm	100mm	10 mm	13 mm	120 mm Minus Fixture Thickness	15 mm	50
AS12075W50	ZINC	12mm	15 mm	75mm	12 mm	15 mm	100 mm Minus Fixture Thickness	16 mm	50
AS12075WGM50	GALVANISED	12mm	15 mm	75mm	12 mm	15 mm	100 mm Minus Fixture Thickness	16 mm	50
AS12100W50	ZINC	12mm	40 mm	100mm	12 mm	15 mm	125 mm Minus Fixture Thickness	16 mm	50
AS12100WGM50	GALVANISED	12mm	40 mm	100mm	12 mm	15 mm	125 mm Minus Fixture Thickness	16 mm	50
AS12150W20	ZINC	12mm	90 mm	150mm	12 mm	15 mm	175 mm Minus Fixture Thickness	16 mm	20
AS12150WGM20	GALVANISED	12mm	90 mm	150mm	12 mm	15 mm	175 mm Minus Fixture Thickness	16 mm	20

Anchor Size/ Hole Ø (mm)	Embedment Depth (mm)	Min Edge Distance (mm)	Min Anchor Spacing (mm)	Max Tensile Load, N _t (kN)*	Max Shear Load, V _s (kN)*
6	45	60	35	4.1	4.5
8	60	80	45	6.6	8.4
10	75	100	60	9.8	13.8
12	90	120	70	14.4	16.7

*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.

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