

MASONRY ANCHORS

NCC COMPLIANT AS5216 CONFORMING

KEW UNIVERSAL FRAME ANCHOR HEX & COUNTERSUNK HEAD

Range 10mm

Stainless Steel Screws External & marine applications

FEATURES & BENEFITS

- Multiple fixings in non structural applications.
- Intended working life of 50 years.
- ETA rating ETAG 020, Multiple fixings in non structural applications.





Available in Hex head and countersunk head options



Triple fins prevent anchor spinning in hole



Nylon sleeve provides insulation between fixing screw and substrate



APPLICATIONS/TRADES

- Fixing to concrete, solid & hollow masonry units.
- Timber Framing.
- Gates, metal brackets.
- Door frames, windows, battens.

COMPLIANCE











TECHNICAL DATA SHEET

MASONRY ANCHORS

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PRODUCT INFORMATION - Countersunk screw head					
Product Code Pack Qty		Maximum Anchor length fixture (mm) thickness (mm)		Drill hole dimensions @ tfix, max (mm)	Torx Drive Bit
		l _t	t _{fix, max}	d _o xh ₁	
RDDT6100802	50	80	10		T40
RDDT6101002	50	100	20	Ø10 x 90	T40
RDDT6101202	50	120	40		T40
RDDT6101402	50	140	60		T40
RDDT6101602	50	160	80		T40
RDDT6101802	50	180	100		T40
RDDT6102002	50	200	120		T40

Note:

For a fixture thickness (tfix) that is less than the tfix,max value tabled above: - increase the drill hole depth (h1) by (tfix,max - tfix actual)

PRODUCT INFORMATION - Hexagonal screw head						
Product Code Pack Qty		Maximum Anchor length fixture (mm) thickness (mm)		Drill hole dimensions @ tfix, max (mm)	Socket size AF (mm)	
		l _t	t _{fix, max}	d _o xh ₁	SW	
RDDS6100802	50	80	10			
RDDS6101002	50	100	20			
RDDS6101202	50	120	40			
RDDS6101402	50	140	60	Ø10 x 90	13	
RDDS6101602	50	160	80			
RDDS6101802	50	180	100			
RDDS6102002	50	200	120			

Note:

For a fixture thickness (tfix) that is less than the tfix,max value tabled above: - increase the drill hole depth (h1) by (tfix,max - tfix actual)

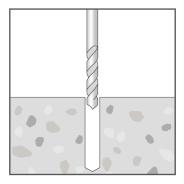
COOCCUP

Br=mick[®]

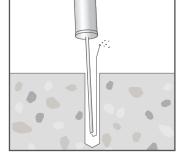
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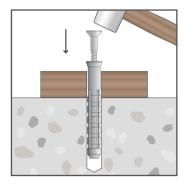
INSTALLATION



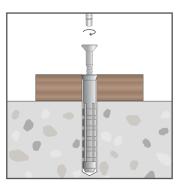
Drill hole into substrate to the specified diameter and depth



Clear hole of drilling debris.



Tap anchor through the fixture into the substrate until all are firmly in contact



Drive the screw until it is flush with the anchor head using an electric screwdriver to set the anchor

PRODUCT INSTALL & PERFORMANCE INFORMATION - Concrete						
				Design Capacities		
Product Code	Drill hole dimensions @ tfix, max (mm)	Anchor embedment depth (mm)	Minimum concrete thickness (mm)	Uncracked concrete - tension (kN)	Uncracked concrete - shear (kN)	
	$\mathbf{d}_{\mathrm{O}} \ge \mathbf{h}_{\mathrm{1}}$	h _{nom}	h _{min}	N _{Rd}	V _{Rd}	
All anchors tabled above	Ø10 x 90	80	115	1.6	3.8	

Note:

Concrete cylinder compressive strength \ge 20MPa

For a fixture thickness (tfix) that is less than the tfix,max value tabled above:

- increase the drill hole depth (h1) by (tfix,max - tfix actual)

Valid for temperature range 50 °C / 80 °C (maximum air temperature / maximum short-term temperature).

For combined load cases - must also comply with (N* / N_{Rd}) + (V* / V_{Rd}) \le 1.2

Single anchor - no nearby edge, minimum recommended concrete thickness

Refer to ETA document for details

Important Disclaimer: Product performance information contained herein is based on ETA certificate data and AS5216:2021 inputs as appropriate. Capacity information is limited to very simple load case configurations and is provided to enable a relative comparison within and across product ranges. The design of an anchoring solution for a particular application should be conducted by an appropriately qualified design professional.

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PRODUCT INSTALL & PERFORMANCE INFORMATION - Masonry Units (Solid & Hollow)

			apacities		
Product Code	Drill hole dimensions	Anchor embedment depth	Load in any direction (kN)		
	@ tfix, max (mm)	(mm)	Solid Masonry	Hollow Masonry	
	$\mathbf{d}_{\mathrm{O}} \ge \mathbf{h}_{\mathrm{1}}$	h _{nom}	F _{Rd}	F _{Rd}	
All anchors tabled above	Ø10 x 90	80	1.1	0.3	

Note: Masonry unit compressive strength ≥ 20 MPa

Valid for temperature range 50 °C / 80 °C (maximum air temperature / maximum short-term temperature). Single anchor - no nearby edge

Refer to ETA document for details of the relevant masonry units

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