

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.

APPLICATIONS/TRADES

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

COMPLIANCE



AS5216



ETAG 020



Available in Hex head
and countersunk head
options



Triple fins prevent
anchor spinning in hole



Nylon sleeve provides
insulation between fixing
screw and substrate

**STAINLESS
STEEL
316**

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HEX & COUNTERSUNK HEAD

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RANGE - Countersunk screw head

Product Code	Pack Qty	Anchor length (mm)	Maximum fixture thickness (mm)	Drill hole dimensions @ $t_{fix, max}$ (mm)	Torx Drive Bit
		l_t	$t_{fix, max}$	$d_o \times h_1$	
RDDT6100802	50	80	10	Ø10 x 90	T40
RDDT6101002		100	20		
RDDT6101202		120	40		
RDDT6101402		140	60		
RDDT6101602		160	80		

Note: For a fixture thickness (t_{fix}) that is less than the $t_{fix, max}$ value tabled above:
 – increase both the drill hole depth (h_1) by ($t_{fix, max} - t_{fix}$ actual)

RANGE - Hexagonal screw head

Product Code	Pack Qty	Anchor length (mm)	Maximum fixture thickness (mm)	Drill hole dimensions @ $t_{fix, max}$ (mm)	Socket size AF (mm)
		l_t	$t_{fix, max}$	$d_o \times h_1$	SW
RDDS6100802	50	80	10	Ø10 x 90	13
RDDS6101002		100	20		
RDDS6101202		120	40		
RDDS6101402		140	60		

Note: For a fixture thickness (t_{fix}) that is less than the $t_{fix, max}$ value tabled above:
 – increase both the drill hole depth (h_1) by ($t_{fix, max} - t_{fix}$ actual)

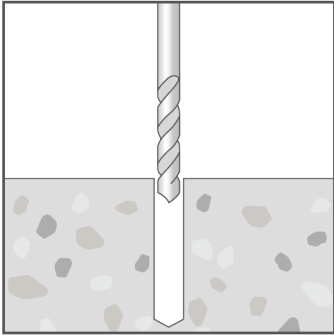


KEW UNIVERSAL FRAME ANCHOR

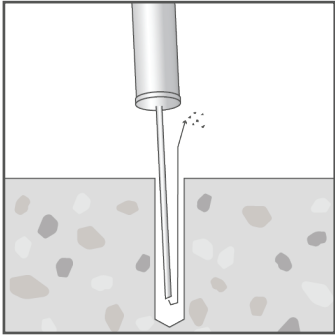
HEX & COUNTERSUNK HEAD

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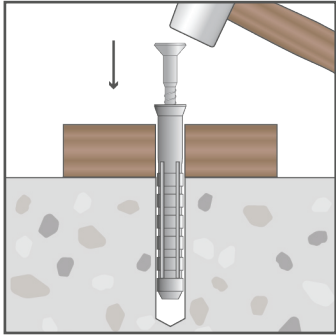
INSTALLATION



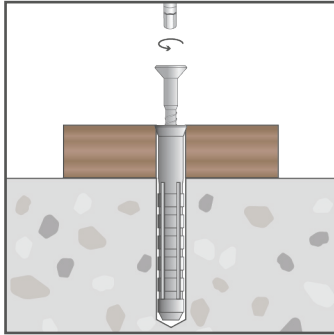
Drill hole into substrate to the specified diameter and depth



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

Product Code	Drill hole dimensions @ t _{fix, max} (mm)	Anchor embedment depth (mm)	Minimum concrete thickness (mm)	Design Capacities	
				Uncracked concrete - tension (kN)	Uncracked concrete - shear (kN)
				N _{Rd}	V _{Rd}
All Product Codes in Range	Ø10 x 90	80	115	2.6	3.8

Note:

Concrete cylinder compressive strength ≥ 20MPa

For a fixture thickness (t_{fix}) that is less than the t_{fix, max} value tabled above:

– increase both the drill hole depth (h₁) by (t_{fix, max} – t_{fix} 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}) ≤ 1.2

Single anchor - no nearby edge, minimum recommended concrete thickness

Refer to ETA document for details

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PRODUCT INSTALL & PERFORMANCE INFORMATION - Masonry Units				
Product Code	Drill hole dimensions (mm)	Anchor embedment depth (mm)	Design Capacities	
			Load in any direction (kN)	
			Solid Masonry	Hollow Masonry
	$d_o \times h_1$	h_{nom}	F_{Rd}	F_{Rd}
All Product Codes in Range	Ø10 x 90	80	2.6	0.6

Note: Masonry unit compressive strength $\geq 20\text{MPa}$
Valid for temperature range 50 °C / 80 °C (maximum air temperature / maximum short-term temperature).
Single anchor - no nearby edge, minimum recommended concrete thickness.
Refer to ETA document for details of the relevant masonry units.
Please note that NCC Compliance relates strictly to installations into Concrete, hence this Masonry Units information is provided for information only.

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.