

# NCC COMPLIANT AS5216 CONFORMING

## SCREW ANCHOR COUNTERSUNK HEAD

Range 6mm-10mm

**Stainless Steel**  
External & marine applications

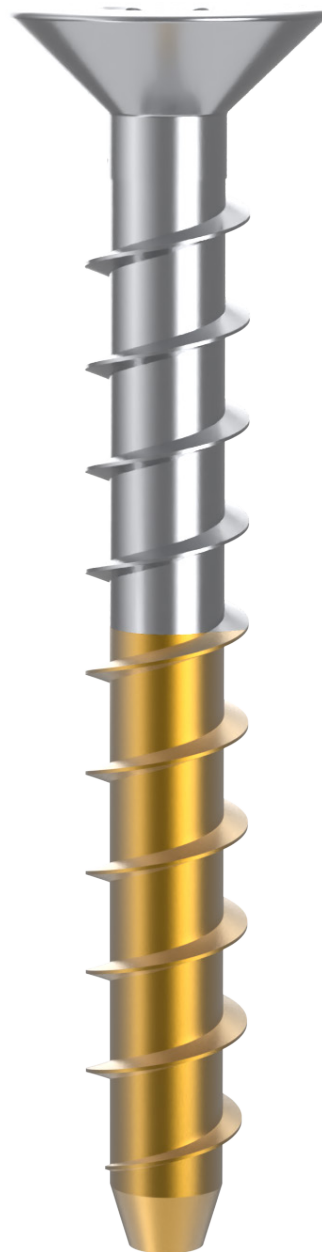
### FEATURES & BENEFITS

- Ideal for safety critical & fire rated applications.
- Intended working life of 50 years.
- High tensile single piece anchor, cuts thread into concrete.
- ETA rating - Option 1.
- Fire rating to 120 minutes for all anchor sizes.

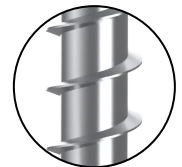
### APPLICATIONS/TRADES

- Public space fixings.
- Warehouse racking.
- Hand rails.
- Outdoor balustrading.
- Steel framing.
- Machinery hold down.

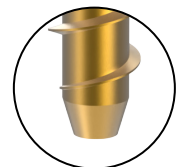
### COMPLIANCE



Torx drive for reliable anchor setting



300 series Stainless Steel for ultimate corrosion protection



Tapered tip for simpler installation



**AS5216**



**OPTION 1**  
Cracked Concrete



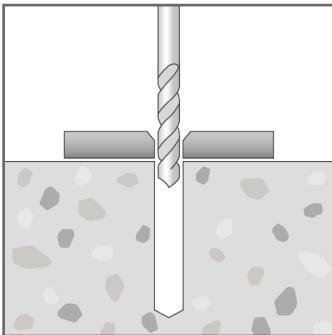
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## RANGE

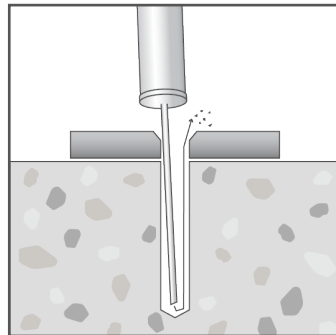
Product Code	Pack Qty	ETA Certification level	Anchor length (mm)	Drill hole Ø (mm)	Drill hole depth (mm) @ t <sub>fix, max</sub>	Minimum concrete thickness (mm)	Maximum fixture thickness (mm)	Fixture clearance hole Ø (mm)
			$l_t$	$d_o$	$h_1$	$h_{min}$	$t_{fix, max}$	$d_f$
ASBK606080ETA	50	Option 1	80	6	50	100	40	9
ASBK608095ETA	50	Option 1	95	8	60	100	45	12
ASBK610110ETA	20	Option 1	110	10	75	100	50	14

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

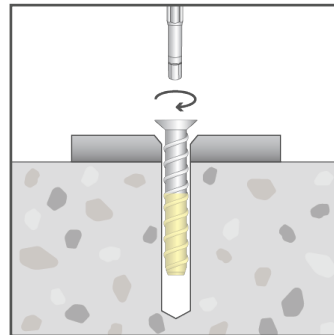
## INSTALLATION



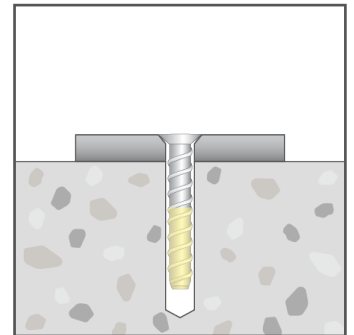
Drill hole through fixture into substrate to the specified diameter and depth.



Clear hole of drilling debris.



Insert anchor into hole and screw in using spanner, socket or an impact wrench. Apply constant forward pressure when driving and tighten to the specified torque.



Use hand tools when removing the anchor. Do not remove with power tools if resetting the anchor.

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## PRODUCT INSTALL & PERFORMANCE INFORMATION

Product Code	Anchor length (mm)	Maximum fixture thickness (mm)	Drill hole depth @ t <sub>fix, max</sub> (mm)	Minimum concrete thickness (mm)	Driver bit size (mm)	Installation torque (Nm)	Design capacities	
							Uncracked concrete - tension (kN)	Uncracked concrete - shear (kN)
							N <sub>Rd</sub>	V <sub>Rd</sub>
ASBK606080ETA	80	40	50	100	T30	15	3.9	7.4
ASBK608095ETA	95	45	60	100	T45	25	7.8	13.0
ASBK610110ETA	110	50	75	100	T45	50	10.1	20.5

Note: Concrete cylinder compressive strength = 32MPa.  
 Single anchor capacity - no nearby edge, minimum recommended concrete thickness.  
 For combined load cases (tension & shear) - must also comply with  $(N^* / N_{Rd}) + (V^* / V_{Rd}) \leq 1.2$ .

**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.