

NCC COMPLIANT AS5216 CONFORMING

SCREW ANCHOR HEXAGONAL HEAD

Range 6mm-12mm

Ceramic Coated
Damp, external 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 - from minimum Option 1 up to Seismic C2*.
- Fire rating to 120 minutes for all anchor sizes.

APPLICATIONS/TRADES

- Public space fixings.
- Outdoor public seating.
- Hand rails.
- Steel framing.
- Machinery hold down.

COMPLIANCE



AS5216



High tensile steel for superior strength



Triple Hi-Lo thread for improved tensile performance



Tapered tip for simpler installation



* Refer to Range table for line specific approval levels

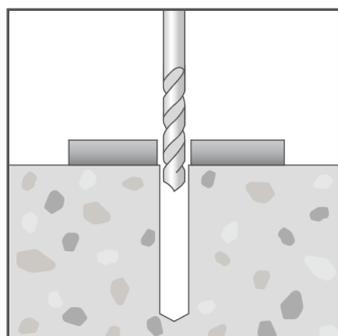
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RANGE

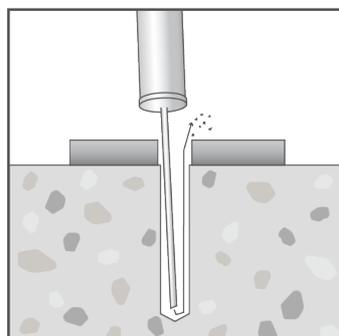
Product Code	Pack Qty	ETA Cert'n level	Anchor length (mm)	Drill hole Ø (mm)	Drill hole depth** (mm) @ t _{fix, max}	Minimum concrete thickness** (mm)	Maximum fixture thickness** (mm)	Fixture clearance hole Ø (mm)
			l _t	d _o	h ₁	h _{min}	t _{fix, max}	d _f
ASBMR06045ETA	100	Seismic C1	45	6	50	100	5	9
ASBMR06060ETA	100	Seismic C1	60				20	
ASBMR06080ETA	100	Seismic C1	80				40	
ASBMR06100ETA	100	Seismic C1	100				45	
ASBMR08065ETA	100	Option 1*	65	8	60	100	15	12
ASBMR08075ETA	100	Option 1*	75				25	
ASBMR08110ETA	100	Seismic C1 & C2	110				50	
ASBMR10065ETA	50	Option 1	65	10	70	100	5	14
ASBMR10075ETA	50	Option 1	75				15	
ASBMR10100ETA	50	Option 1*	100				30	
ASBMR10120ETA	50	Option 1*	120				50	
ASBMR10140ETA	50	Seismic C1 & C2	140	100	130	55		
ASBMR12090ETA	50	Option 1	90	12	90	120	15	16
ASBMR12110ETA	50	Option 1*	110				35	
ASBMR12130ETA	20	Option 1*	130				55	
ASBMR12150ETA	20	Seismic C1 & C2	150				45	

Note: * Seismic C1 & C2 ratings available for this anchor with increased embedment depth - contact Bremick for details
 ** For a fixture thickness (t_{fix}) that is less than the t_{fix,max} value tabled above:
 - increase both the drill hole depth (h₁) & concrete thickness (h_{min}) by (t_{fix,max} - t_{fix} actual)

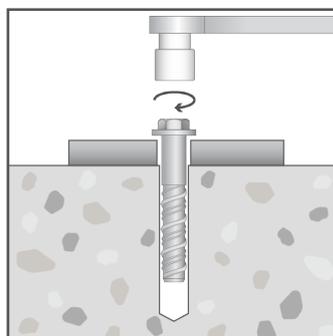
INSTALLATION



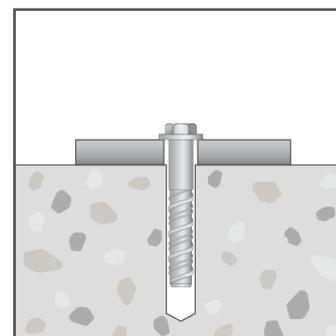
Drill hole through fixture into substrate to the specified diameter and depth.



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 _{fix, max} (mm)	Minimum embedment depth (mm)	Socket size AF (mm)	Installation torque (Nm)	Design capacities	
							Uncracked concrete - tension (kN)	Uncracked concrete - shear (kN)
							N _{Rd,ucr}	V _{Rd,ucr}
	l _t	t _{fix, max}	h ₁	h _{nom}	SW	T _{inst}		
ASBMR06045ETA	45	5	50	40	10	15	3.8	6.2
ASBMR06060ETA	60	20					3.8	6.2
ASBMR06080ETA	80	40					3.8	6.2
ASBMR06100ETA	100	45	65	55	13	25	6.0	6.0
ASBMR08065ETA	65	15	60	50			7.4	10.7
ASBMR08075ETA	75	25					7.4	10.7
ASBMR08110ETA	110	50			70	60	10.0	12.0
ASBMR10065ETA	65	5	70	60	15	50	9.7	11.6
ASBMR10075ETA	75	15					9.7	11.6
ASBMR10100ETA	100	30					85	70
ASBMR10120ETA	120	50	12.4	14.9				
ASBMR10140ETA	140	55	100	85	21.0	20.4		
ASBMR12090ETA	90	15	90	75	16	60	14.3	25.8
ASBMR12110ETA	110	35					14.3	25.8
ASBMR12130ETA	130	55					14.3	25.8
ASBMR12150ETA	150	45	120	105			29.5	32.0

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.