

ETA RATED



ETA RATED ANCHORING

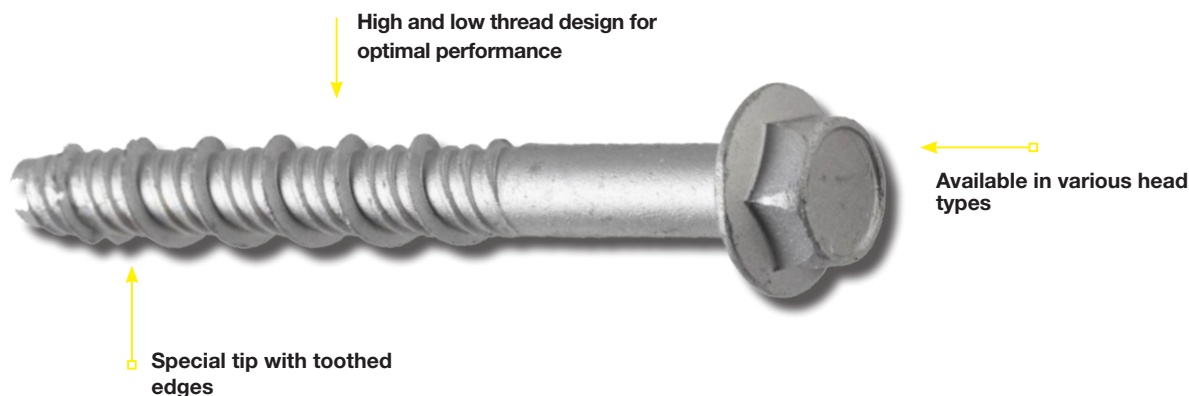


MACSIM[®]
Fix It Right!

SCREWBOLT Anchors

ETA certified anchors for use in cracked and uncracked concrete. NCC Compliant; AS5216.

NCC COMPLIANT
AS 5216



PERFORMANCE SPECIFICATIONS

Ø	Embedment depth in concrete h _{nom} (mm)	Effective Embedment depth h _{eff} (mm)	Tension (Uncracked Concrete) NR _d (kN)	Tension (Cracked Concrete) NR _d (kN)	Shear (Uncracked Concrete) VR _d (kN)	Shear (Cracked Concrete) VR _d (kN)	C1		C2	
							Tension	Shear	Tension	Shear
M6	40	29	3.3	2	4.1	2.9	-	-	-	-
M6	55	42	5	4	4.8	4.2	-	-	-	-
M8	50	37	6.1	3.6	7.38	6.2	-	-	-	-
M8	60	45	8	5.77	6.6	4.6	3.3	2.45	-	-
M10	60	44	7.97	5.58	9.5	6.7	-	-	-	-
M10	70	52	10.3	6.67	8.17	5.73	-	-	-	-
M10	85	65	17.1	12	17.1	12	8.9	4.6	4	2.7

SCREWBOLT Anchors

Hex Head

Galvanised

Option 1 ETA Assessed.
ETA 22/0270 For use in cracked and uncracked concrete



CODE	SIZE	Max. Fixture thickness (mm)	Dia of clearance hole in fixture (mm)	Anchor Embedment Depth in concrete (mm)	Drill bit Dia x Hole Depth (mm)	Minimum Concrete thickness (mm)	Seismic	QTY/Pack
SBGHA06060	6mm x 60mm	20 5	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBGHA06080	6mm x 80mm	40 25	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBGHA06100	6mm x 100mm	60 35	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBGHA08065	8mm x 65mm	15 5	12	50 60	8 X 60 8 X 70	100	- C1	50
SBGHA08075	8mm x 75mm	25 15	12	50 60	8 X 60 8 X 70	100	- C1	50
SBGHA08090	8mm x 90mm	40 30	12	50 60	8 X 60 8 X 70	100	- C1	50
SBGHA10075	10mm x 75mm	15 5	14	60 70	10 X 70 10 X 85	100 105	- -	50
SBGHA10100	10mm x 100mm	40 30 15	14	60 70 85	10 X 70 10 X 85 10 X 100	100 105 120	- - C1 & C2	50
SBGHA10120	10mm x 120mm	60 50 35	14	60 70 85	10 X 70 10 X 85 10 X 100	100 105 120	- - C1 & C2	50
SBGHA10140	10mm x 140mm	80 70 55	14	60 70 85	10 X 70 10 X 85 10 X 100	100 105 120	- - C1 & C2	50

Hex Head

Zinc Plated

Option 1 ETA Assessed.
ETA 22/0270 For use in cracked and uncracked concrete



SBHA06045	6mm x 45mm	5	9	40	6 X 50	100	C1	100*
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Sold in cartons of 12 x 100.

Countersunk Head

Galvanised

Option 1 ETA Assessed.
ETA 22/0270 For use in cracked and uncracked concrete
T-30 Torx Drive



SBGCA06072	6mm x 72mm	32 17	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBGCA06092	6mm x 92mm	52 37	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBGCA06112	6mm x 112mm	72 57	9	40 55	6 X 50 6 X 65	100	C1 C1	50

Button Head

Zinc Plated

Option 1 ETA Assessed.
ETA 22/0270 For use in cracked and uncracked concrete
T-30 Torx Drive



SBBA06060	6mm x 60mm	20 5	9	40 55	6 X 50 6 X 65	100	C1 C1	50
SBBA06075	6mm x 75mm	35 20	9	40 55	6 X 50 6 X 65	100	C1 C1	50

Hanger Screwbolt

Zinc Plated

Option 1 ETA Assessed.
ETA 22/0270 For use in cracked and uncracked concrete



SBRA06055	6mm x 55mm		9	40 55	6 X 50 6 X 65	100	C1 C1	50
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WEDGE Anchors

Anchor for heavy loads in cracked & non-cracked concrete. Option 1.

ETA APPROVED
AS5216



PRODUCT DETAILS

CODE	SIZE	Nominal Drill hole diameter	Diameter of clearance hole in fixture (mm)	Minimum Standard Drill Hole Depth (mm)	Effective anchorage depth in concrete (mm)	Standard Concrete thickness (mm)	Installation Wrench SW	Installation Torque (Nm)	ETA option	Seismic	QTY/Pack
38G08075A	8mm x 75mm	8	9	60	46	100	13	16	Opt 1	C1&C2	100
38G08095A	8mm x 95mm	8	9	60	46	100	13	16	Opt 1	C1&C2	100
38G10090A	10mm x 90mm	10	12	75	60	120	17	20	Opt 1	C1&C2	50
38G10110A	10mm x 110mm	10	12	75	60	120	17	20	Opt 1	C1&C2	50
38G12105A	12mm x 105mm	12	14	90	70	140	19	40	Opt 1	C1&C2	50
38G12115A	12mm x 115mm	12	14	90	70	140	19	40	Opt 1	C1&C2	25
38G12145A	12mm x 145mm	12	14	90	70	140	19	40	Opt 1	C1&C2	25
38G12180A	12mm x 180mm	12	14	90	70	140	19	40	Opt 1	C1&C2	25
38G16145A	16mm x 145mm	16	18	110	85	170	24	90	Opt 1	C1&C2	20
38G16170A	16mm x 170mm	16	18	110	85	170	24	90	Opt 1	C1&C2	20
38G20165A	20mm x 165mm	20	22	125	100	200	30	160	Opt 1	C1&C2	20

PERFORMANCE SPECIFICATIONS

Ø	Min. base thickness (mm)	Hole Depth (mm)	Effective Embed. Depth (mm)	Hole Ø (mm)	Spacing (mm)		Edge Distance (mm)		Tension		Shear		Seismic C1		Seismic C2	
					Uncracked	Cracked	Uncracked	Cracked	Uncracked (kN)	Cracked (kN)	Uncracked (kN)	Cracked (kN)	Tension (kN)	Shear (kN)	Tension (kN)	Shear (kN)
M8	100	60	46	8	40	40	40	50	6	3.3	9.7	9.7	3.3	7.4	1.53	5.3
M10	120	75	60	10	45	45	45	50	8	6	16.1	16.1	6	16	1.75	11.2
M12	140	90	70	12	60	60	60	75	13.3	10.6	24	24	10.7	21.6	4.2	11
M16	170	110	85	16	60	60	65	80	23.3	16.6	44	43.2	16.6	35.2	7.7	19.9
M20	200	125	100	20	95	95	90	130	26.6	22.9	51.8	51.8	24	51.8	9.6	26.5

DROP IN Anchors

ETA certified anchors with internal thread. Option 7 ETA approved anchors and assessed for multiple use in redundant non-structural systems (RNSS).

NCC COMPLIANT
AS 5216



ETA 15/0122. For use in redundant non-structural systems and ETA 15/094 Opt 7



PRODUCT DETAILS

CODE	SIZE	Inside Thread diameter (mm)	Nominal Drill hole diameter	Diameter clearance hole in fixture (mm)	Drill Hole Depth (mm)	Effective Anchorage depth in concrete (mm)	Concrete thickness (mm)	Max. screw depth (mm)	ETA option	QTY/ Pack	Barcode
10M08A	8mm x 30mm	8	10	9	60	30	80	13	Opt 7 & RNSS	100	9312862030974
10M10A	10mm x 40mm	10	12	12	60	40	100	15	Opt 7 & RNSS	50	9312862031162
10M12A	12mm x 50mm	12	15	14	75	50	100	20	Opt 7 & RNSS	50	9312862032244

DBZ Metal Pin Anchors

ETA certified anchors for use in non structural systems in cracked and uncracked concrete. For overhead applications including fireproof cabling & fixing hangers to suspended ceilings.

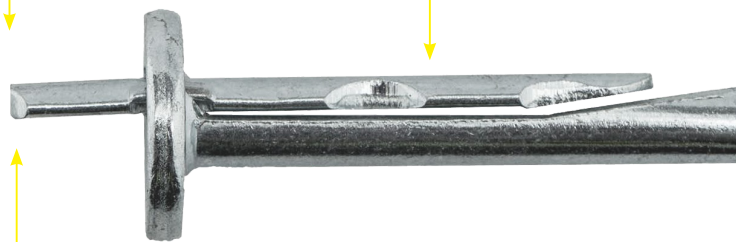
NCC COMPLIANT
AS 5216



Steel construction
(Zinc plated) - Fire resistant

Expansion Pin

Pin Head



PRODUCT DETAILS

CODE	SIZE	Max. Fixture Thickness (mm)	Effective Anchorage depth in concrete (mm)	Hole Diameter (mm)	Depth (mm)	Min. Concrete Thickness (mm)	QTY/ Pack	Barcode
14DBZA35	6mm x 35mm	5	30	6	40	80	100	9312862214800

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