



# Ramset™

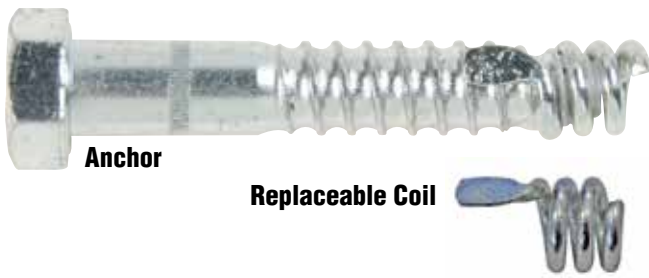
## BOA™ COIL EXPANSION ANCHOR

**| Removable | Reusable High Tensile and Shear Strength Anchor |**

### Product Description

The Boa Coil anchor is a medium to large diameter heavy duty mechanical anchor, comprising of a tapered bolt, manufactured from high tensile steel and a replaceable spring coil.

Available in Zinc for interior applications in M10-M19 sizes (10-19mm hole)



### Installation Features & Benefits

- Easy and fast to remove and reuse
- Suitable for installation with impact wrenches
- No protruding metal components to cut off when removed
- Suitable for a wide range of fixture thicknesses
- Suitable for use in solid brick for light duty applications

### Performance Features & Benefits

Expansion coil locks into concrete to give cast in type performance

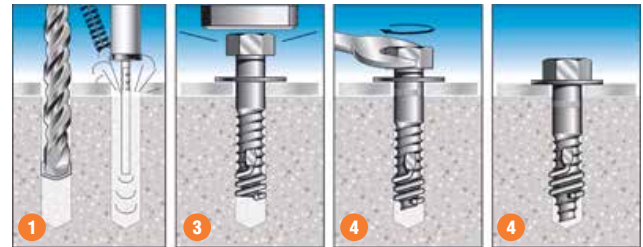
- High shear capacity due to high steel strength
- High clamping pressure
- Resistant to cyclic loading
- Replaceable coil allows reuse up to 6 times

### Principal Applications

The Boa Coil anchor is ideal for high load applications where the anchor needs to be removed such as formwork for concrete beams and columns.

- Securing formwork
- Fastening temporary safety rails
- Non permanent structural fixings
- Holding down machinery
- Fastening into solid brick in lighter duty applications

### Installation Procedure



1. Using the fixture as a template, drill the correct diameter and depth hole. Clean hole with a brush and remove debris with vacuum or hand pump.
2. Insert the assembled Boa Coil anchor. (The coil tab points up the anchor.) Tap anchor down to depth set mark and stop.
3. Wind the anchor down until the washer is firmly held to the fixture and stop. (For the number of turns required to set anchor refer to details on installation and performance.)
4. Ensure washer is tight and snug fit.

The Boa Coil anchor is ready to take load. (The bolt can be removed leaving the coil in the hole. To re-insert, follow steps 3 and 4).

### Product Options, Dimensions and Installation Information

Part Number	Head Style	Durability Options	Box Qty	Length (mm)	Bolt Dia (mm)	Concrete Hole Dia (mm)	Turns to Set	Socket/Wrench Size AF (mm)	Fixture Clearance Hole Dia (mm)
BAC06060	Bolt	Zn	100	60					
BAC06075	Bolt	Zn	100	75	10	10	5	14	12
BAC06100	Bolt	Zn	50	100					
BAC06125	Bolt	Zn	50	125					
BAC08075	Bolt	Zn	50	75					
BAC08100	Bolt	Zn	50	100	13	13	5	19	14
BAC08140	Bolt	Zn	25	140					
BAC10090	Bolt	Zn	25	90					
BAC10125	Bolt	Zn	25	125	16	16	5	24	19
BAC12085	Bolt	Zn	20	85					
BAC12115	Bolt	Zn	20	115	19	19	5	28	21

Independent Appraisal



Tension Zone



Cyclic Loads



Shock Load



Fire Applications



Pull Down



Close Spacings



Water System



Chemical Creep Tested



Zinc Plating



Galvanised Plating





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#### Performance Information



**IF YOUR DIMENSIONS ARE LESS THAN THE TABLED “DIMENSIONS TO ACHIEVE CAPACITIES”**

Refer to **Ramset Specifiers Anchoring Resource Book** for the performance values.

Or scan QR Code to link to the Specifiers Anchoring Resource Book.



Part Number		Installation (mm)		Dimensions to Achieve Capacities (mm)			Tensile Capacity $\phi N_{uc}$ (kN)		
Part Number (Bolt Dia)	Fixture Thickness	Hole Depth	Min Concrete Thickness	Min Anchor Edge Distance	Min Anchor Spacing	20 MPa Concrete	32 MPa Concrete	40 MPa Concrete	
BAC06060 (M10)	5	52	77	60	120	7.7	9.8	10.9	
	7	50	75	60	120	7.4	9.3	10.4	
BAC06075 (M10)	5	67	92	60	120	10.5	13.3	14.8	
	16	56	81	60	120	8.5	10.7	12.0	
BAC06100 (M10)	20	52	77	60	120	7.7	9.8	10.9	
	5	92	117	60	120	15.1	19.1	21.3	
BAC06100 (M10)	20	77	102	60	120	12.3	15.6	17.4	
	47	50	75	60	120	7.4	9.3	10.4	
	5	117	142	60	120	19.7	24.9	27.8	
BAC06125 (M10)	45	77	102	60	120	12.3	15.6	17.4	
	72	50	75	60	120	7.4	9.3	10.4	
	5	67	92	78	156	12.9	16.3	18.2	
BAC08075 (M13)	5	92	117	78	156	18.9	23.9	26.7	
	16	81	106	78	156	16.2	20.6	23.0	
	29	68	93	78	156	13.1	16.6	18.6	
BAC08140 (M13)	5	132	157	78	156	28.4	36.0	40.2	
	45	92	117	78	156	18.9	23.9	26.7	
	69	68	93	78	156	13.1	16.6	18.6	
BAC10090 (M16)	5	82	107	96	192	19.4	24.6	27.4	
	6	81	106	96	192	19.1	24.2	27.0	
	5	117	142	96	192	29.7	37.6	42.0	
BAC10125 (M16)	16	106	131	96	192	26.5	33.5	37.4	
	41	81	106	96	192	19.1	24.2	27.0	
	5	77	102	114	228	20.3	25.6	28.6	
BAC12085 (M19)	5	77	102	114	228	20.3	25.6	28.6	
	5	107	132	114	228	30.7	38.9	43.5	
BAC12115 (M19)	13	99	124	114	228	27.9	35.3	39.5	

#### Re-Kit Component Sets

Part Number	For Use With	Contents Replacable Coil	Box Qty
BAC06	All BAC06 Anchors	✓	100
BAC08	All BAC08 Anchors	✓	100
BAC10	All BAC10 Anchors	✓	100
BAC12	All BAC12 Anchors	✓	100

Stainless Steel

Floor Applications

Wall Applications

Overhead Applications

Dry Holes

Damp Holes

Flooded Holes

Hollow Substrates

Hammer Drill

Cored Holes

Through Fixed

Fully Removable

