Bremick Sleeve Anchors are one piece, preassembled, torque controlled, mechanical anchors consisting of a threaded plow bolt with a cold formed coned end assembled with a pressed carbon steel expansion sleeve. During setting the cone is drawn into the anchor sleeve which provides sufficient expansion force to provide a lock to the base material through a combination of friction and base material deformation. Pretension in the installed anchor is preserved by pre engineered deformations in the sleeve that are designed to crush during the installation process.

Bremick Sleeve Anchors are available in all head forms including, Hexagonal, Flush, countersunk, hook and eye bolts. **Bremick Sleeve Anchors** are also available in Stainless steel, zinc plated and Galvanised.

APPLICATIONS

Quality, medium duty torque controlled deformation type sleeve anchor, for general use in concrete, solid masonry and stone.

FEATURES

- Fast and simple installation
- Ideal for through fastening.
- Reliable force controlled setting
- Follow up expansion
- Immediate loading
- Suitable for over head application
- Available in Zinc Plate, Galvanised and Stainless Steel
- Available in a wide variety of head types.

ANCILLARY PRODUCTS CLEANING TOOLS

For Brushes and Blow Pumps please refer to the Chemical Injection System section of this book.

SUGGESTED SPECIFICATION

Carbon Steel Sleeve Anchor

Carbon steel expansion sleeve anchors shall be preassembled with a ……..style head.

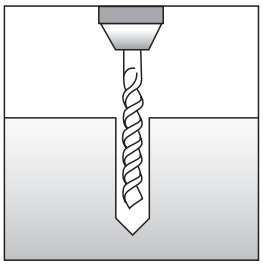
All components shall be zinc plated/galvanised and shall be sourced form Bremick Pty Ltd.

Stainless Steel Sleeve Anchor

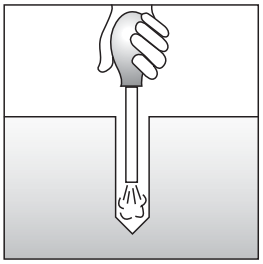
Stainless steel expansion sleeve anchors shall be manufactured form Stainless Steel 316 and preassembled with a ……..style head and shall be sourced form Bremick Pty Ltd.

SETTING INSTRUCTIONS

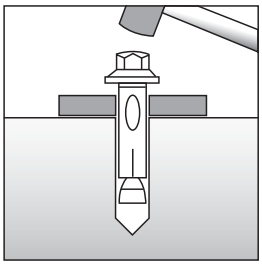
1: Drill
Drill hole in base material to specified diameter and depth. Care should be taken to control hole diameter.



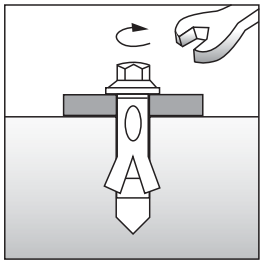
2: Clean
Blow out dust and drilling fragments.



3: Insert
Insert anchor into hole and drive until nut and washer are flush with the material surface.



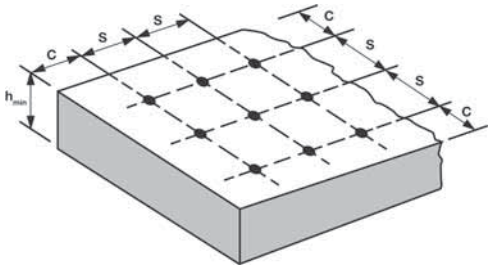
4: Set
Using a wrench expand anchor by tightening to specified torque.



HEXAGONAL FLANGE HEAD ZINC PLATED, GALVANISED AND 316 STAINLESS STEEL

INSTALLATION DETAILS

FASTENER DETAILS			INSTALLATION DETAILS									
Anchor/ Drill Diameter	Thread Size	Anchor Length	Effective Embedment Depth	Characteristic Anchor Spacing (Tension & Shear)	Characteristic Edge Distance (Tension & Shear)	Minimum Anchor Spacing (Tension & Shear)	Minimum Edge Distance (Tension & Shear)	Minimum Base Material Thickness	Maximum Fixture Thickness	Clearance Hole Diameter (Fixture)	Installation Torque (Concrete)	Width Across Flats
D_o (mm)	D (mm)	L (mm)	h_t (mm)	S_{cr} (mm)	C_{cr} (mm)	S_{min} (mm)	C_{min} (mm)	h_{min} (mm)	t_{fix} (mm)	D_c (mm)	T_{inst} (Nm)	SW (mm)
6	M4.5	40	**30**	65	80	30	30	40	10	8	2.0	8
		60	**40**	65	80	30	30	50	20	8	2.0	8
6.5	M5	25	**21**	65	80	30	30	26	4	8	2.5	8
		35	**30**	65	80	30	30	40	5	8	2.5	8
		55	**40**	65	80	30	30	50	15	8	2.5	8
		75	**55**	65	80	30	30	70	20	8	2.5	8
8	M6	40	**25**	80	100	40	40	35	15	10	6.0	10
		65	**35**	80	100	40	40	45	30	10	6.0	10
		85	**50**	80	100	40	40	65	35	10	6.0	10
10	M8	40	**35**	100	120	50	50	45	5	12	11.0	13
		50	**40**	100	120	50	50	50	10	12	11.0	13
		60	**50**	100	120	50	50	65	10	12	11.0	13
		75	**55**	100	120	50	50	70	20	12	11.0	13
		100	**60**	100	120	50	50	80	40	12	11.0	13
		125	**75**	100	120	50	50	95	50	12	11.0	13
12	M10	60	**40**	120	140	60	60	50	20	14	22.0	16
		75	**50**	120	140	60	60	63	25	14	22.0	16
		100	**60**	120	140	60	60	75	40	14	22.0	16
		130	**80**	120	140	60	60	100	50	14	22.0	16
16	M12	65	**55**	160	190	80	80	70	10	18	38.0	18
		110	**70**	160	190	80	80	90	40	18	38.0	18
		145	**95**	160	190	80	80	120	50	18	38.0	18
20	M16	75	**60**	200	240	100	100	75	15	22	95.0	24
		105	**80**	200	240	100	100	100	25	22	95.0	24
		150	**100**	200	240	100	100	125	50	22	95.0	24



Notation, Spacing, Edge Distance & Base Material Thickness