NON SAFETY CRITICAL

SHIELD ANCHOR

M10 & 3/8" sizes

Zinc Plated
Dry, internal applications

Anchor design provides a flush finish

Internal thread enables user choice of fastener to best suit application.

ZINC YELLOW

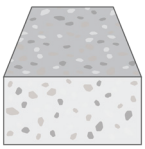
FEATURES & BENEFITS

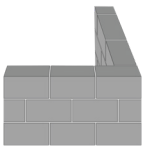
- Light duty torque controlled expansion anchor.
- Internal ISO metric coarse thread accepts a wide range of threaded fasteners.
- Can be removed from hole if required - ideal for make good in leased space environments.
- Suitable for a wide range of substrates.
- Includes imperial thread range for legacy applications.

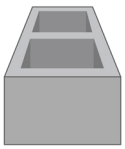
APPLICATIONS/TRADES

- Signage.
- Brackets.
- Not suited to through fastening applications.

SUBSTRATE SUITABILITY


UNCRACKED CONCRETE


SOLID & HOLLOW BRICK


SOLID & HOLLOW BLOCK


NATURAL STONE

SHIELD ANCHOR

NON SAFETY CRITICAL

RANGE

METRIC INTERNAL THREAD

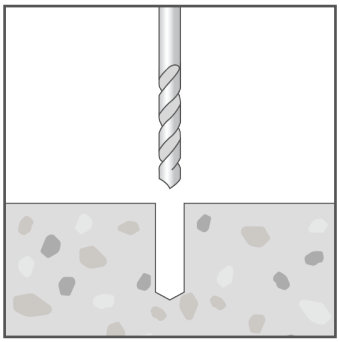
Product Code	Pack Qty	Anchor size/ Thread size	Drill hole Ø (mm) d_o	Anchor length/ Drill hole depth (mm) l_t&h_1	Fixture clearance hole Ø (mm) d_f
ASHMZ10002	25	M10	16	52	12

RANGE

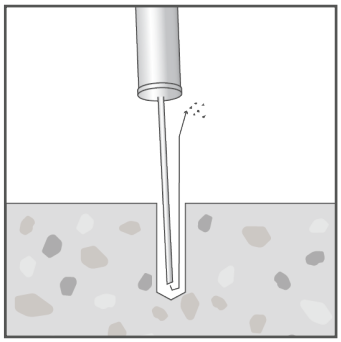
IMPERIAL INTERNAL THREAD

Product Code	Pack Qty	Anchor size/ Thread size	Drill hole Ø (mm) d_o	Anchor length/ Drill hole depth (mm) l_t&h_1	Fixture clearance hole Ø (mm) d_f
ASHIZ10002	25	3/8"	5/8"	52	12

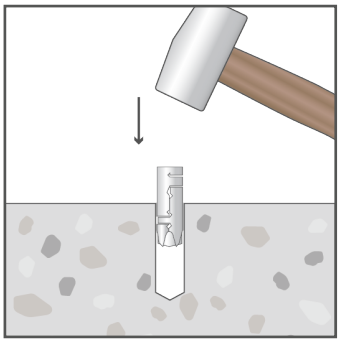
INSTALLATION



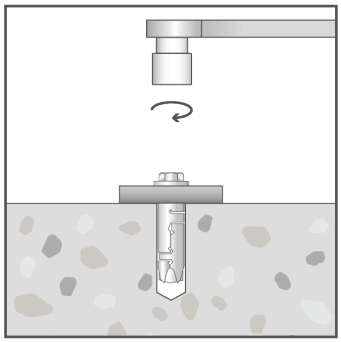
Drill hole into substrate to the specified depth



Clear hole of drilling debris.



Tap anchor into the drilled hole using a hammer until flush with substrate surface.



Place fixture, install fastener and apply specified installation torque.

SHIELD ANCHOR
NON SAFETY CRITICAL

PRODUCT INSTALL & PERFORMANCE INFORMATION

Anchor / Drill hole Ø (mm)	Minimum embedment depth	Minimum substrate thickness	Maximum Installation torque (Nm)	Critical anchor spacing (mm)	Critical anchor edge distance (mm)	Recommended Capacities	
						Tensile (kN)	Shear (kN)
	h_{nom}	h_{min}	T_{inst}	s_{cr}	c_{cr}	N_{rec}	V_{rec}
M10 or 3/8"	52	100	15	150	80	4.0	4.2

Note: Recommended capacities are based on:
- Single anchor.
- Critical anchor spacing and edge distance values.
- 20MPa concrete compressive strength.
- (Characteristic ultimate concrete capacities / 3) & (characteristic ultimate steel capacities / 2.5).
- Shear load directed away from concrete edge.
- For combined load cases (tension & shear) - must also comply with $(N_{app} / N_{rec}) + (V_{app} / V_{rec}) \leq 1.2$.

Important Disclaimer: Capacity information is limited to the simple scope above and is provided to enable a relative comparison within and across product ranges. Please contact Bremick to enable an anchoring solution to be optimised for your particular anchoring application.

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