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

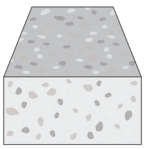
FEATURES & BENEFITS

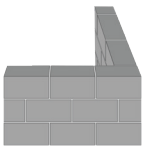
- Light duty torque controlled expansion anchor.
- Internal ISO metric coarse thread accepts a wide range of threaded fasteners.
- Can be removed from hole if required - ideal for make good in leased space environments.
- Suitable for a wide range of substrates.
- Includes imperial thread range for legacy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

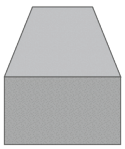
APPLICATIONS/TRADES

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

SUBSTRATE SUITABILITY


UNCRACKED CONCRETE


SOLID BRICK


SOLID BLOCK


NATURAL STONE

SHIELD ANCHOR
NON SAFETY CRITICAL

RANGE

METRIC INTERNAL THREAD

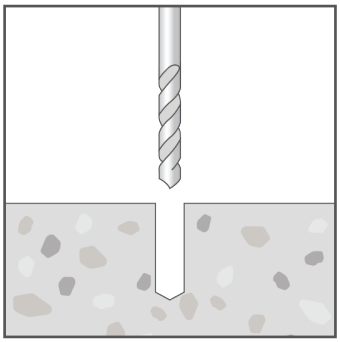
Product Code	Pack Qty	Anchor size/ Thread size	Drill hole Ø (mm) d_o	Anchor length/ Drill hole depth (mm) l_t&h_1	Fixture clearance hole Ø (mm) d_f
ASHMZ10002	25	M10	16	52	12

RANGE

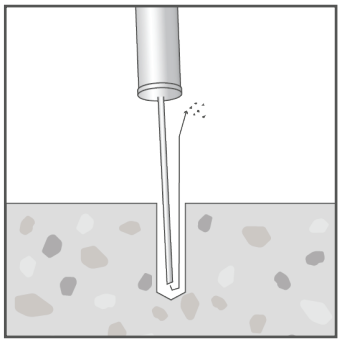
IMPERIAL INTERNAL THREAD

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

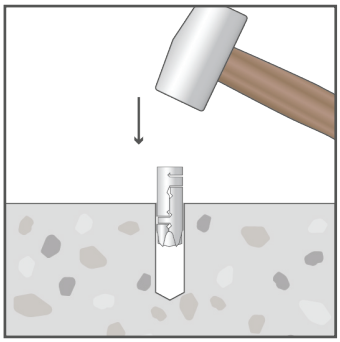
INSTALLATION



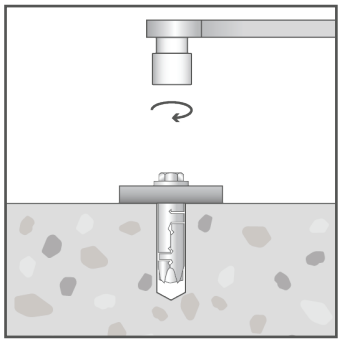
Drill hole into substrate to the specified depth



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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