NON SAFETY CRITICAL

DROP IN ANCHOR

M6 - M20 sizes

Zinc Plated
Dry, internal applications

Designed to install flush to the substrate surface

Standard ISO metric coarse internal thread

Uses a simple setting tool to expand the anchor

ZINC YELLOW

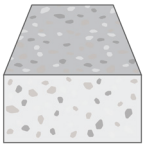
FEATURES & BENEFITS

- Medium duty displacement controlled expansion anchor.
- Anchor remains in place after fixture & bolt are removed.
- Internal ISO metric coarse thread accepts a wide range of bolts and threaded rod.
- Leaves no protrusion once fixture removed - ideal for make good in leased space environments.
- Lipped version ensures anchor remains flush to surface regardless of drilled hole depth.

APPLICATIONS/TRADES

- Suspended services to concrete slab soffit.
- Balustrade and hand rail base plates.
- Stadium seating.
- Suspended ceilings.
- Not suited to through fastening applications.

SUBSTRATE SUITABILITY



UNCRACKED CONCRETE

DROP IN ANCHOR
NON SAFETY CRITICAL

RANGE

STRAIGHT WALL / INTERNAL THREAD

Product Code	Pack Qty	Anchor size/ Thread size	Drill hole Ø (mm)	Anchor length/ Drill hole depth (mm) l_t&h_1	Fixture clearance hole Ø (mm) d_f
ADIMZ060002	100	M6	8	25	8
ADIMZ080002	50	M8	10	30	10
ADIMZ100002	50	M10	12	40	12
ADIMZ120002	25	M12	16	50	14
ADIMZ160002	20	M16	20	60	22
ADIMZ200002	10	M20	25	80	24

RANGE

LIPPED / INTERNAL THREAD

Product Code	Pack Qty	Anchor size/ Thread size	Drill hole Ø (mm)	Anchor length/ Drill hole depth (mm) l_t&h_1	Fixture clearance hole Ø (mm) d_f
ADLMZ060002	100	M6	8	25	8
ADLMZ080002	50	M8	10	30	10
ADLMZ100002	50	M10	12	40	12
ADLMZ120002	25	M12	16	50	14

DROP IN ANCHOR

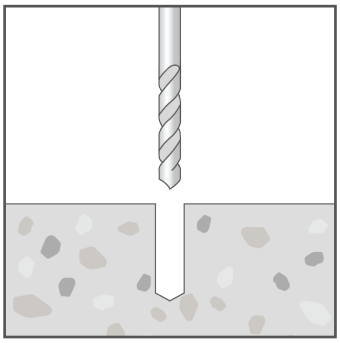
NON SAFETY CRITICAL

RANGE

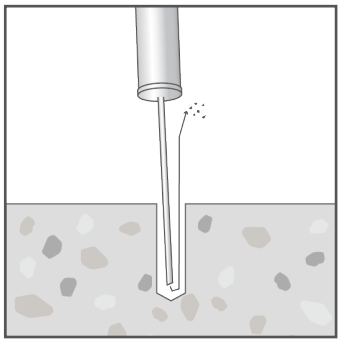
SETTING TOOL FOR ALL DROP IN ANCHORS

Product Code	Pack Qty	Description
TMADIST0602	1	Setting tool to suit M6 DROP IN Anchor
TMADIST0802	1	Setting tool to suit M8 DROP IN Anchor
TMADIST1002	1	Setting tool to suit M10 DROP IN Anchor
TMADIST1202	1	Setting tool to suit M12 DROP IN Anchor
TMADIST1602	1	Setting tool to suit M16 DROP IN Anchor
TMADIST2002	1	Setting tool to suit M20 DROP IN Anchor

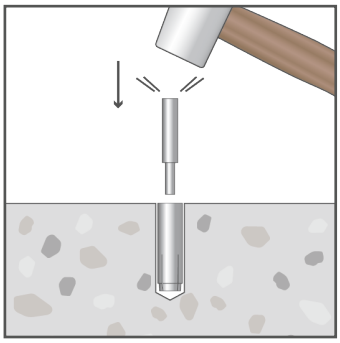
INSTALLATION



Drill hole into substrate to the specified depth

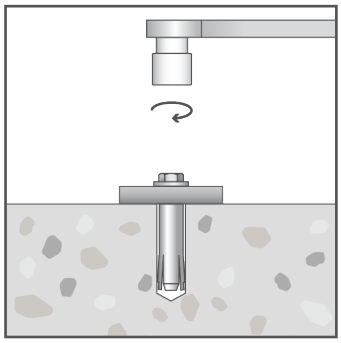


Clear hole of drilling debris.



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

Impact the setting tool with a hammer until the setting tool shoulder contacts the top of the anchor's body.



Place fixture, install bolt / threaded rod and apply specified installation torque.

DROP IN ANCHOR
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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}
M6	25	100	4	70	90	1.8	2.3
M8	30	100	8	85	105	2.4	2.9
M10	40	120	15	115	140	3.8	3.6
M12	50	140	35	145	175	5.5	5.5
M16	60	160	60	175	210	7.2	8.2
M20	80	200	130	235	280	11.3	13.1

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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