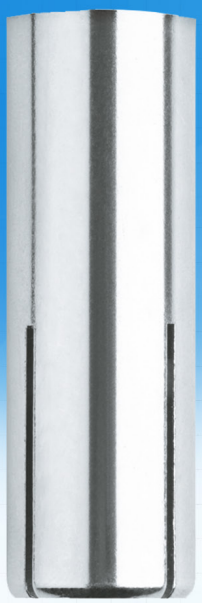
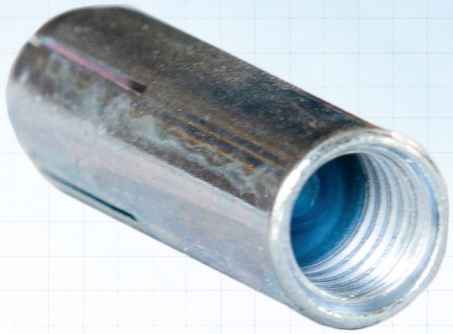
DROP-IN ANCHOR

(DIA) MECHANICAL ANCHORS

MiTek® PRO SERIES™



- Versatile use in medium-duty uncracked concrete applications
- Allows for installation prior to the material to be fixed
- Rod attachment may be removed leaving a smooth finish
- Simple installation with MiTek's setting tool



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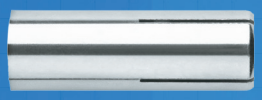


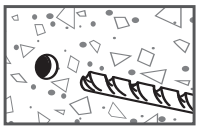
APPLICATION

- Threaded rod attachment may be removed leaving a flush finish
- Fixing threaded rods
- Flush mounting applications

See detailed installation and design instructions at MiTek-US.com to ensure proper installation and to reduce risk failure which could result in injury and/or property damage. MiTek will not be liable for any anchor failure due to defective substrate material or improper installation

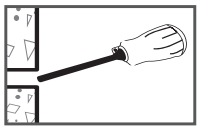
INSTALLATION

1. DRILL



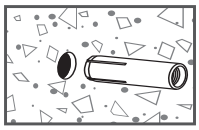
Drill a hole into the base material of the correct diameter and depth using a drill bit that meets the requirements of ANSI B212.15-1994.

2. BLOW & CLEAN



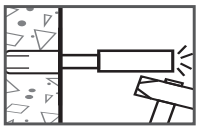
Remove dust and debris from hole using a blow bulb, compressed air or vacuum to remove the loose particles left from drilling.

3. INSTALL



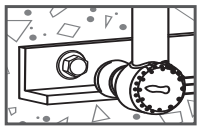
Insert the anchor in the hole completely. Use hammer if necessary. The anchor must not stand proud of the surface of the base material.

4. EXPAND ANCHOR



Insert the setting tool into the inner cone of the anchor. Hammer until the setting tool is level with the anchor.

5. APPLY TORQUE



Put the material to be fixed inserting the bolt or stud through holes. Use a bolt with the correct length. Wide washers are recommended. Do not introduce any materials between the material to be fixed and the washer (sealants, etc.). Apply the nominal torque using dynamometric wrench.

LOAD TABLE

Size (in)	MiTek Stock No.	Ref. No.	Drill Bit Dia. (in)	Minimum Anchor Embedment (in)	Minimum Edge Distance (in)	Maximum Installation Torque (ft-lbs)	Uncracked Concrete: Allowable Tension (lbs)	Ordering MiTek Stock No.	Pieces per Selling Unit	Selling Unit per Master Carton
3/8 x 1-9/6	DIA0381916	DIAB37	1/2	1-9/16	5	12	978	DIA0381916-CR10	10	6
								DIA0381916-R100F	1	100
1/2 x 2	DIA012200	DIAB50	5/8	2	6-1/4	28	1482	DIA012200-CR10	10	6
								DIA012200-R75F	1	75

1) Example Allowable Stress Design (ASD) values include an approximate safety factor of 4.
2) Values based on single anchor installations and do not consider critical edge distance or spacing. For full design information refer to MiTek-US.com.
3) Edge distance based on ACI318-14 section 17.7, designer shall verify distance is twice the maximum aggregate size and comply with section 20.6.1.
4) Values in table assume concrete strength f'c = 4,000 psi.

SETTING TOOL

Size (in)	MiTek Stock No.	Ref. No.	Ordering MiTek Stock No.	Pieces per Selling Unit	Selling Unit per Master Carton
3/8	DIAST38	DIAST37, DIABST37	DIAST38-R15F	1	15
1/2	DIAST12	DIAST50, DIABST50	DIAST12-R20F	1	20

SETTING TOOL
(MUST BE ORDERED SEPARATELY)