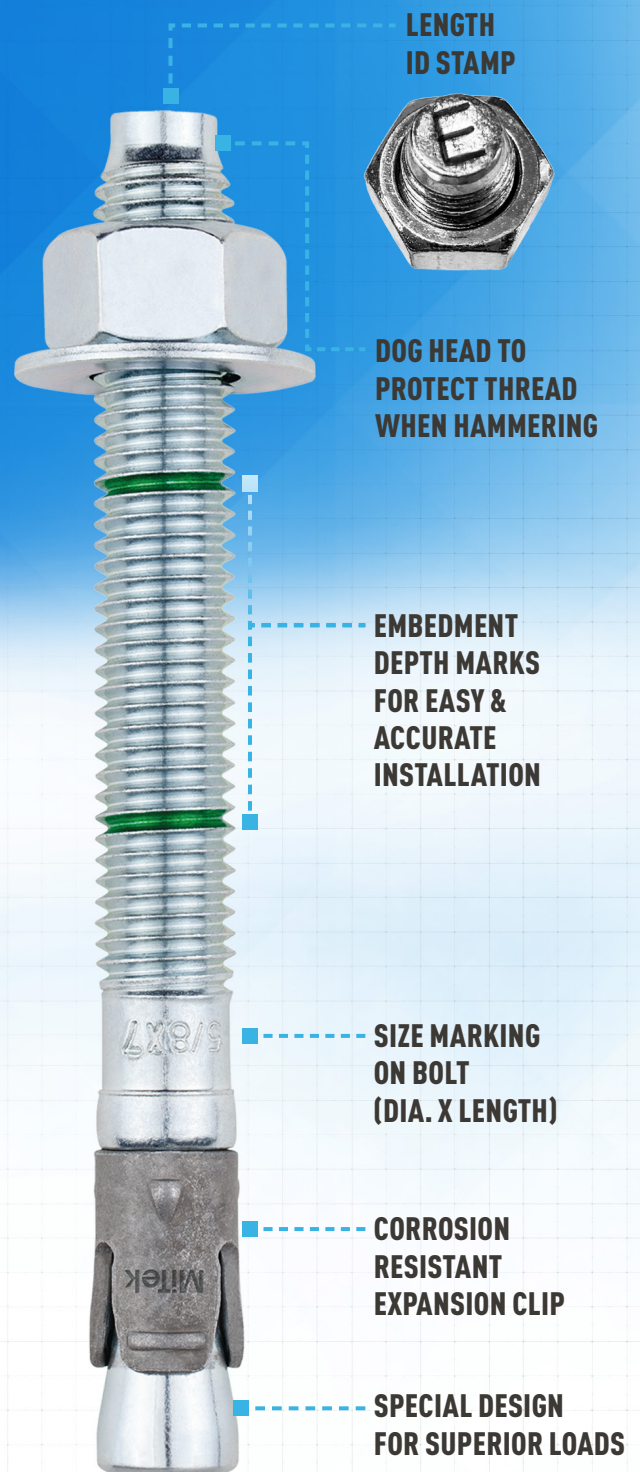


WEDGE ANCHOR (WAC) MECHANICAL ANCHORS

MiTek® PRO SERIES™

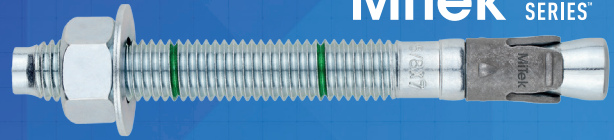


- Embedment marks to ensure accurate installation depth. Most anchors have two embedment depth options
- Length ID code stamped on head of each anchor
- Unique anchor design allows for expansion clip re-engagement under tensile loading
- Code evaluated to IBC/IRC in accordance with ICC-ES AC193 and ACI 355.2 for cracked and uncracked concrete
- Approved for use in wind and seismic applications
- **CODE REPORTS:** IBC, FL, LA, UL (3/8" & 1/2" Sizes)



WEDGE ANCHOR (WAC) MECHANICAL ANCHORS

MiTek[®] PRO SERIES[™]



APPLICATIONS

- Structural connections, i.e., beam and column anchorage
- Interior applications / low level corrosion environment
- Overhead applications, i.e., cable trays and strut, pipe supports, fire sprinklers
- Safety barriers
- Fixing billboards, boilers, signals, advertising hoardings, etc.
- Installation of sprinkler systems

INSTALLATION

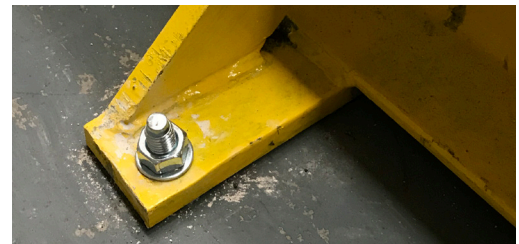


1. DRILL
Drill a hole into the base material of the correct diameter and depth found in ICC-ES ESR-4298 using a drill bit that meets the requirements of ANSI B212.15-1994.

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
Position the washer on the anchor and thread on the nut. If installing through a fixture drive the anchor through the fixture into the hole. Be sure the anchor is driven until the corresponding green mark depth is leveled with the base material surface.

4. APPLY TORQUE
Tighten the anchor with a torque wrench by applying the required installation torque found in ICC-ES ESR-4298. Note: the threaded stud will draw up during the tightening of the nut; the expansion wedge (clip) remains in the original position.



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

LOAD TABLE

Size (in)	MiTek Stock No.	Ref. No.	Length ID Stamp	Drill Bit Dia. (in)	Torque Wrench Size (in)	Minimum Anchor Embedment (in)	Required Installation Torque (ft-lbs)	Uncracked Concrete		Cracked Concrete		Ordering MiTek Stock No.	Pieces per Selling Unit	Selling Unit per Master Carton
								Allowable Tension (lbs)	Allowable Shear (lbs)	Allowable Tension (lbs)	Allowable Shear (lbs)			
1/4 x 2-1/4	WAC014214	STB2-25214	B	1/4	7/16	1-3/4	5	804	428	--	--	WAC014214-R10	10	6
												WAC014214-R25	25	4
												WAC014214-R100F	100	1
3/8 x 2-1/4	WAC038214	WA37214	B	3/8	9/16	1-5/8	30	865	1005	595	710	WAC038214-R15	15	6
												WAC038214-R50	50	3
												WAC038214-R50F	50	1
3/8 x 3	WAC038300	STB2-37300, WA37300	D	3/8	9/16	2-3/8	30	1745	1255	1200	1255	WAC038300-R25	25	4
												WAC038300-R50	50	3
												WAC038300-R50F	50	1
3/8 x 3-3/4	WAC038334	STB2-37334, WA37334	E	3/8	9/16	2-3/8	30	1745	1255	1200	1255	WAC038334-R15	15	6
												WAC038334-R50	50	3
												WAC038334-R40F	40	1
3/8 x 5	WAC038500	STB2-37500, WA37500	H	3/8	9/16	2-3/8	30	1745	1255	1200	1255	WAC038500-R15	15	4
												WAC038500-R30F	30	1
1/2 x 2-3/4	WAC012234	WA50234	C	1/2	3/4	2-3/8	45	1790	2030	1335	1435	WAC012234-R15	15	4
												WAC012234-R25F	25	1
												WAC012234-R25F	25	1

- 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 on 3/8" and 1/2" dia. sizes, refer to ICC-ES ESR-4298.
- 3) Values in table assume concrete strength $f'c = 4,000$ psi.
- 4) ASD values derived from the assumption of a single anchor with 30% dead load and 70% live load, and a controlling load combination of 1.2D+ 1.6L.
- 5) Values are for shear or tension only and do not work for a combination of such.