

# SLEEVE ANCHOR

(SAH) MECHANICAL ANCHORS

MiTek<sup>®</sup> PRO SERIES<sup>™</sup>



- Versatile use in medium-duty uncracked concrete applications
- Anti-spin raised point on sleeve for hassle free installation
- Through-fixture fastening
- Sleeve design keeps anchor centered in hole
- Drill hole conditions: Dry, Wet, Water Filled



**STANDARD NUT  
& WASHER**

**SIZE MARKING  
ON BOLT**

**RAISED POINT  
ON SLEEVE  
TO PREVENT  
SPINNING DURING  
INSTALLATION**

# SLEEVE ANCHOR (SAH) MECHANICAL ANCHORS

MiTek<sup>®</sup> PRO SERIES™



## APPLICATIONS

- For static and quasi-static loads
- Interior applications / low level corrosion environment
- Non-structural applications in uncracked concrete
- For fixing shelves, panels, gates, railings
- Theater seating

## INSTALLATION

1. DRILL	2. BLOW & CLEAN	3. INSTALL	4. APPLY TORQUE
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.	Remove dust and debris from hole using a blow bulb, compressed air or vacuum to remove the loose particles left from drilling.	Insert the anchor until the head is at the same level of the fixture surface. Use a hammer if needed. Installation must be performed through the fixture.	Apply the nominal torque specified in applicable tables. Use torque wrench in order to ensure correct installation.



See detailed installation and design instructions at [MiTek-US.com](http://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.	Drill Bit Dia. (in)	Torque Wrench Size (in)	Minimum Anchor Embedment (in)	Minimum Edge Distance (in)	Required Installation Torque (ft-lbs)	Uncracked Concrete		Ordering MiTek Stock No.	Pieces per Selling Unit	Selling Unit per Master Carton
								Allowable Tension (lbs)	Allowable Shear (lbs)			
5/16 x 1-1/2	SAH516112	SL3112H	5/16	7/16	1-1/4	2-1/2	8	690	670	SAH516112-R100F	1	100
5/16 x 2-1/2	SAH516212	SL31212H	5/16	7/16	1-1/4	2-1/2	8	690	670	SAH516212-R100F	1	100
3/8 x 1-7/8	SAH038178	SL37178H	3/8	1/2	1-1/2	3	14	880	1100	SAH038178-R25	25	3
										SAH038178-R50F	1	50
3/8 x 3	SAH038300	SL37300H	3/8	1/2	1-1/2	3	14	880	1100	SAH038300-R50	50	3
										SAH038300-R50F	1	50
1/2 x 2-1/4	SAH012214	SL50214H	1/2	9/16	1-7/8	4	20	1145	1580	SAH012214-R25	25	3
										SAH012214-R40F	1	40
1/2 x 3	SAH012300	SL50300H	1/2	9/16	1-7/8	4	20	1145	1580	SAH012300-R10	10	6
										SAH012300-R25	25	3
1/2 x 4	SAH012400	SL50400H	1/2	9/16	1-7/8	4	20	1145	1580	SAH012400-R25	25	3
										SAH012400-R30F	1	30
5/8 x 4-1/4	SAH058414	SL62414H	5/8	3/4	2	5	48	1180	1580	SAH058414-R20F	1	20
5/8 x 6	SAH058600	SL62600H	5/8	3/4	2	5	48	1180	1580	SAH058600-R15F	1	15

- 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](http://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.

CUSTOMER SERVICE: **1-800-328-5934** | [MiTek-US.com](http://MiTek-US.com)