

Machine Screw Anchors

- For use in concrete, block, brick or stone.
- Not recommended for use in overhead applications.
- Readily accepts machine bolts.
- Internally threaded anchor for easy removability and service work.
- Anchor installation requires shallow embedment.
- Made of Zamac Alloy material.



Machine Screw Anchor - Data	1/4"	3/8"	1/2"
ANSI Drill Bit Size (in.)	1/2	3/4	7/8
Max. Tightening Torque (ft-lbs)	5	10	15
Thread Size (UNC)	1/4"-20	3/8"-16	1/2"-13
Min. Embedment Depth (in.)	7/8	1 1/4	1 1/2
Load Capacity Tension (lbs) *	375	620	875
Load Capacity Shear (lbs) *	355	825	1135

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

UPC/Part Number	Catalog Number	Rod Diameter	Box Qty.
Machine Screw Anchor			
78101103239	AMS-25	1/4"	100
78101103242	AMS-37	3/8"	50
78101103243	AMS-50	1/2"	50
Setting Tool			
78205109765	9221	1/4"	1
78205109767	9231	3/8"	1
78205109768	9241	1/2"	1

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Self-Tapping Screw Anchors

- For use in normal-weight concrete, structural sand lightweight concrete and concrete over metal deck.
- Anchor design allows for shallow embedment and mechanically interlocks with base material.
- Internally threaded anchor for easy adjustment and removability of threaded rod or bolt.
- Fast anchor installation with a powered impact wrench.
- Suitable for overhead applications such as suspending cable tray, strut, pipe hangers and conduit.
- FM Approved.
- ICC-ES certified. See ICC-ES ESR-2272.
- Made of Zinc Plated carbon steel.
- Setting tool included.



Self-Tapping Machine Screw - Data	3/8"
ANSI Drill Bit Size (in.)	1/2
Min. Concrete Thickness (in.)	4
Max. Tightening Torque (ft-lbs)	8
Min. Embedment Depth (in.)	1 ⁵ / ₈
Load Capacity Tension (lbs) *	590
Load Capacity Shear (lbs) *	260

* Based on concrete compression strength of 3000 psi in uncracked concrete using applied safety factor of 4.0. For additional loading information contact factory. The shear capacity is controlled by steel strength and is ASTM A36 (or equivalent). For ultimate strength design data in cracked and uncracked concrete, see ICC-ES ESR-2272.

UPC/Part Number	Catalog Number	Size	Thread Depth	Box Qty.
-----------------	----------------	------	--------------	----------

Self-Tapping Screw Anchor

78205153362	ATM-37	3/8"	1 ¹ / ₁₆ "	50
-------------	---------------	------	----------------------------------	----

Tool

78205153363	6407 SD	3/8"	–	1
-------------	----------------	------	---	---

ICC-ES certified. See ICC-ES ESR-2272.

Read safety/installation instruction sheets in packages before use.