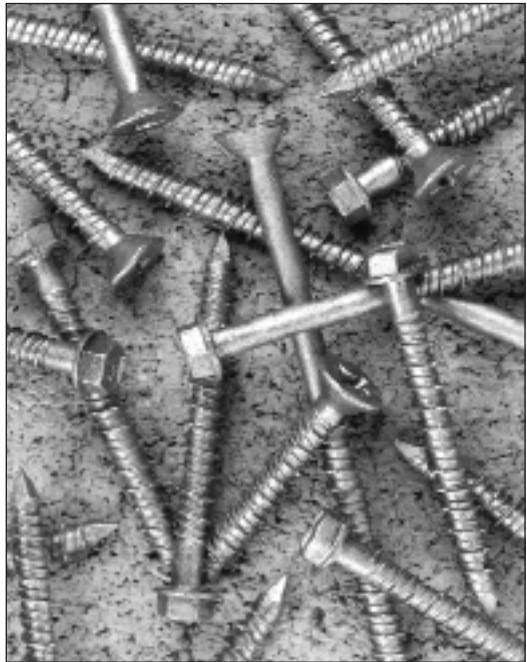


410 STAINLESS STEEL TAPCON[®] Masonry Fastening System

Premium masonry anchor that provides the corrosion protection of 410 Stainless Steel and the performance of our original carbon Tapcon.

New Longer Lengths - 4", 5", and 6"!



Applications

- Shutters - protective and decorative
- Windows
- Screened porch and pool enclosures
- Railings - safety and decorative
- Marine
- Agricultural

Product Features

- 410 Stainless Steel for added corrosion protection.
- Buildex head marking for easy field identification
- Fast installation ... drill a hole ... drive an anchor.
- Reversible and removable ... can be installed close to an edge.
- Cuts threads into concrete, brick and hollow block.
- Optional white or bronze head paint to match common aluminum extrusions.
- Available in 3/16" and 1/4" diameters in lengths 1-1/4" - 3-3/4" for 3/16" diameter and now, up to 6" for 1/4" diameter HWH's.
- 100 count packaging.

Product Specifications

Diameter..... 3/16" & 1/4"
Thread Form..... Original Notched Hi-Lo[®]
Point Type..... Nail
Material..... 410 Stainless Steel
Finish..... ClimaShield[™]

Head Styles

1/4" Diameter: 5/16" slotted hex washer head (HWH)



3/16" Diameter: #2 phillips flat head (PFH)

1/4" Diameter: #3 phillips flat head (PFH)



Approvals and Listings (Miami-Dade covers 1/4" Dia. only)

Miami Dade County
Product Control Approved

Selector Guide

Part Number		Description	Drill Bit Part No.	Drill Bit	Fixture Thickness	Common Applications
3/16" Diameter PFH						
3434907		3/16 x 1-1/4"	3095910	5/32 x 3-1/2"	0-1/4"	• Mounting brackets and control panels.
3418907		3/16 x 1-3/4"	3095910	5/32 x 3-1/2"	1/4-3/4"	• 1/2" or 3/4" plywood backer boards; mounting brackets; control panels; cable clamps; conduit clips; junction, switch and control box meters.
3419907		3/16 x 2-1/4"	3096910	5/32 x 4-1/2"	3/4-1-1/4"	• Metal safety gratings, 2 x 4 wood nailers.
3420907		3/16 x 2-3/4"	3096910	5/32 x 4-1/2"	1-1/4"-1-3/4"	• Sills, plates 2 pieces of 2x4 or 2x6 to masonry. Insulation to masonry.
3421907		3/16 x 3-1/4"	3097910	5/32 x 5-1/2"	1-3/4x2-1/4"	
3422907		3/16 x 3-3/4"	3097910	5/32 x 5-1/2"	2-1/4x2-3/4"	• Marine and agricultural.
1/4" Diameter PFH HWH						
3373907	3367907	1/4 x 1-1/4"	3098910	3/16 x 3-1/2"	0-1/4"	• Mounting brackets and control panels.
3374907	3368907	1/4 x 1-3/4"	3098910	3/16 x 3-1/2"	1/4-3/4"	• 1/2" or 3/4" plywood backer boards; mounting brackets; control panels; cable clamps; conduit clips; junction, switch and control box meters.
3375907	3369907	1/4 x 2-1/4"	3099910	3/16 x 4-1/2"	3/4 - 1-1/4"	• Metal safety gratings, 2 x 4 wood nailers.
3376907	3370907	1/4 x 2-3/4"	3099910	3/16 x 4-1/2"	1-1/4" - 1-3/4"	• Sills, plates 2 pieces of 2x4 or 2x6 to masonry. Insulation to masonry.
3377907	3371907	1/4 x 3-1/4"	3100910	3/16 x 5-1/2"	1-3/4" - 2-1/4"	
3378907	3372907	1/4 x 3-3/4"	3100910	3/16 x 5-1/2"	2-1/4 - 2-3/4"	• Marine and agricultural.
	3459907	1/4 x 4"	3100910	3/16 x 5-1/2"	2-1/2" - 3"	• Maximum attachment applications (i.e., wood/insulation/masonry)
	3460997	1/4 x 5"	3102910	3/16 x 6-1/2"	3-1/4" - 4"	
	3461907	1/4 x 6"	3206910	3/16 x 7-1/2"	4-1/4" - 5"	
3379910	3379910	Condrive 500® For hex and flat heads lengths up to 3-3/4".				
3103910	3103910	Condrive 1000® For hex and flat heads lengths up to 3-3/4".				

Tapcon Anchors must be installed using all Buildex system components (Tapcon Anchors, Condrive Tools, and Tapcon Drill Bits) in order to qualify for ITW Buildex system support.

Performance Data

Pullout (lbs.) in Concrete (3000 PSI, cured 40 days)				
Anchor Diameter	Depth of Embedment in Solid Material (inches)			
	1"	1-1/4"	1-1/2"	1-3/4"
3/16"	964	1080	1360	1595
1/4"	1381	1616	2041	2332

Pullout in Hollow Block	
Anchor Diameter	Depth of Embedment in Solid Materials (Inches)
	1-1/4"
3/16"	540
1/4"	754

Shear Strength			
Anchor Diameter	Anchor Embedment	Shear Strength 3145 PSI Hard Rock Concrete	Shear Strength Lightweight Hollow Block
3/16"	1-1/4"	1460	1096
1/4"	1-1/4"	1622	1218

Tapcon Anchors must be installed using all Buildex system components (Tapcon Anchors, Condrive Tools and Tapcon Drill Bits) in order to qualify for ITW Buildex system support.

Note: Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate pull-out and shear failure values. A safety factor of 4:1 or 25% of ultimate pull-out value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

As in the case with all applications, Buildex can only suggest typical fasteners for typical applications and that the connection design is the sole responsibility of the Building Design Engineer, Architect or otherwise responsible person charged with the design of the connection. For further product information, please contact the nearest Authorized Buildex Distributor or the Buildex Technical Service Department at 1-800-373-0720



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Installation Guidelines Using Condrive 500®

STEP 1: Place drill adapter into 3/8" or 1/2" chuck of standard hammer drill. Place drill bit in drill adapter and tighten set screw. Drill hole a minimum of 1/4" deeper than Tapcon anchor is to be embedded.

STEP 2: Phillips Heads may be installed using either side of sleeve. To install a 1/4 diameter Hex Washer Head Tapcon, use large opening side of sleeve (see sleeve label). To install a 3/16 diameter Hex Washer Head Tapcon, use small opening side of sleeve (see sleeve label). Slide opposite side of sleeve over drill bit and snap onto drill bit adapter. **NOTE:** If driving Hex Washer Head Tapcon, driver will automatically disengage. If driving Phillips Head Tapcon, care must be taken to ensure anchor is not overdriven.

STEP 3: Loosen set screw on side of drill adapter with 1/8" Hex Key. Do not remove completely. Replace old drill bit with new one. Align flat side with set screw and tighten screw. Do not over-tighten.

Installation Guidelines Using Condrive 1000®

STEP 1: Place correct drill bit into driver adapter and drill hole 1/4" deeper than depth of embedment.

STEP 2: Slide Condrive Installation Tool sleeve over drill bit. Snap hex head or Phillips Socket in place.

STEP 3: Insert anchor in socket, position fixture to be fastened, begin to drive Tapcon into pre-drilled hole.

STEP 4: The anchor is fully set when the nosepiece of the Condrive Tool automatically disengages from the socket and fixture is secured in place.