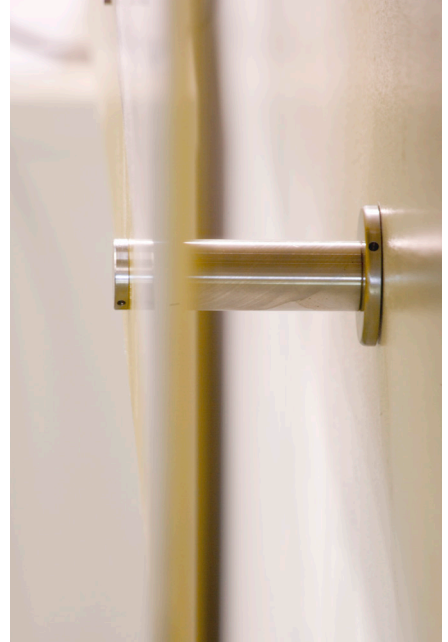
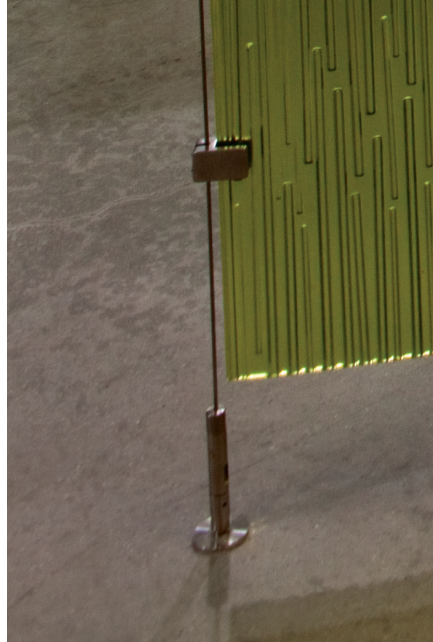


3form[®] ANCHORING[™] Solutions Document/Installation Manual



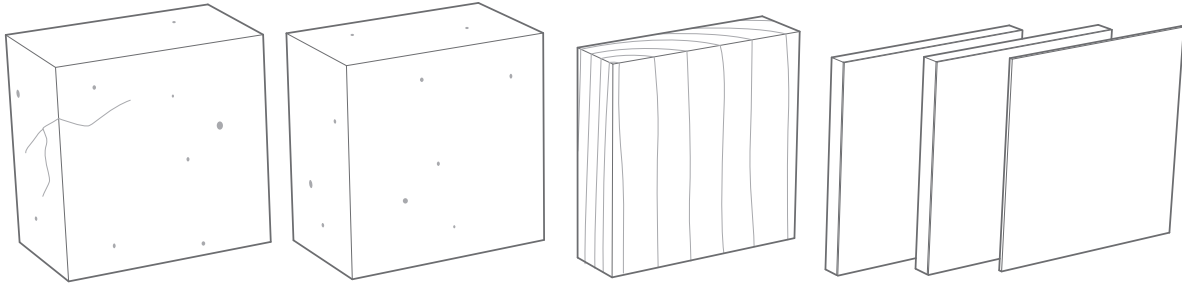
3form **Anchoring** provides easy installation solutions to our hardware collection. We provide anchors and fasteners for a variety of substrates, from concrete to drywall to wood. This document shows you which anchors will suit your needs and how to install them.

For more information, please visit 3-form.com or call **800.726.0126**

MAY 2017 | MAN - 022- ANCHOR | REV 004 © 2017 3form, Inc. All rights reserved.

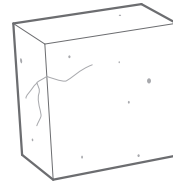
The information in this document is intended for interior conditions only. For exterior conditions refer to the 3form Point Support XT Solution Document / Installation Manual or contact your 3form Sales Representative.

DO NOT use cyanoacrylate thread locking chemicals (e.g. Loctite) with 3form panels.



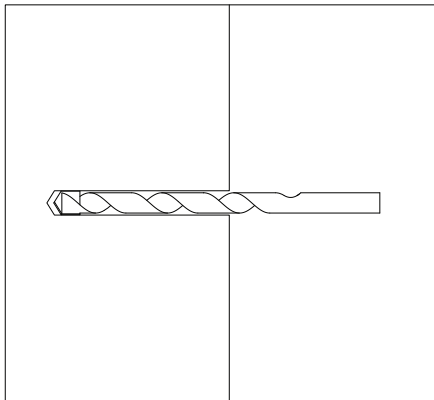
CONCRETE (ICC rated)	CONCRETE	WOOD	DRY WALL GYPSUM BOARD SHEET METAL
<div>M8</div> <div></div> <div>Stud anchor HSL-3-G M8x20 3-15-1614</div>	<div>M6</div> <div></div> <div>M6 concrete anchor 3-15-3010</div> <div>M8</div> <div></div> <div>M8 concrete anchor 3-15-3011A</div>	<div>M6</div> <div></div> <div>M6x25mm Rampa Screw 3-15-0762</div> <div>M8</div> <div></div> <div>M8 Threaded Insert 3-15-0791</div>	<div>M5</div> <div></div> <div>M5 Toggle Bolt Anchor 3-15-0701</div>
<div>M8</div> <div></div> <div>Concrete insert HIS-N M8x90 3-15-1611</div>	<div>M8</div> <div></div> <div>concrete flush anchor HKD-S M8x30 3-15-1610</div>	<div>M8</div> <div></div> <div>M8 Wood anchor, 50mm 3-15-3001</div> <div>M8</div> <div></div> <div>M8 Wood anchor, 60mm 3-15-3002</div>	<div>M6</div> <div></div> <div>M6 Toggle Bolt Anchor 3-15-0700</div>
	<div></div> <div>3/16" x 1 1/4" Fastener 3-15-0841</div>	<div>M8</div> <div></div> <div>M8 Toggle Bolt Anchor 3-15-0734</div>	
	<div></div> <div>3/16" x 1 3/4" Fastener 3-15-0842</div>		
	<div></div> <div>3/16" x 1 1/4" WH Fastener 3-15-1606</div>		
	<div></div> <div>3/16" x 1 3/4" WH Fastener 3-15-1607</div>		

Stud anchor HSL-3-G M8x20
3-15-1614

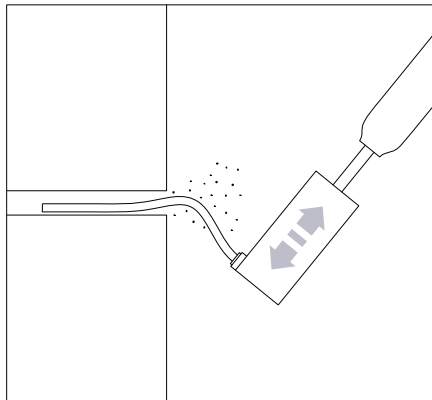


CONCRETE
(ICC rated)

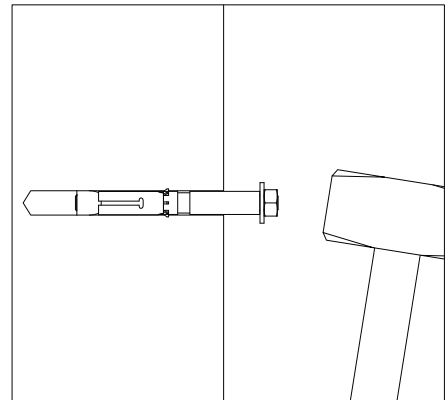
M8



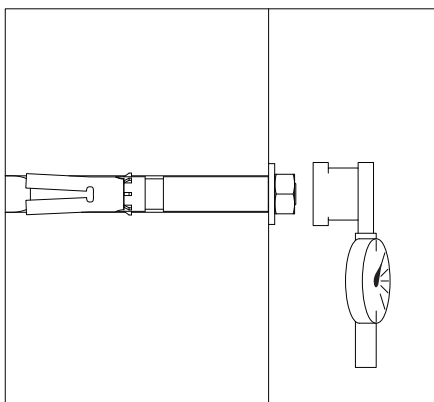
Drill Ø12mm hole, minimum 90mm deep.



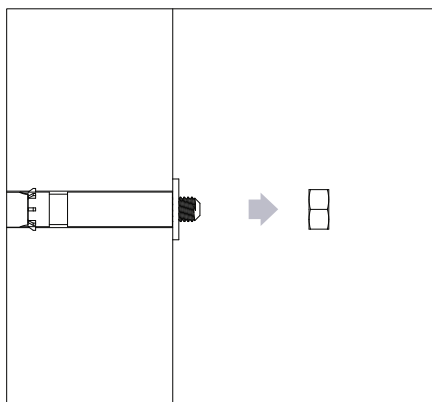
Remove drilling debris with a blowout bulb or with compressed air.



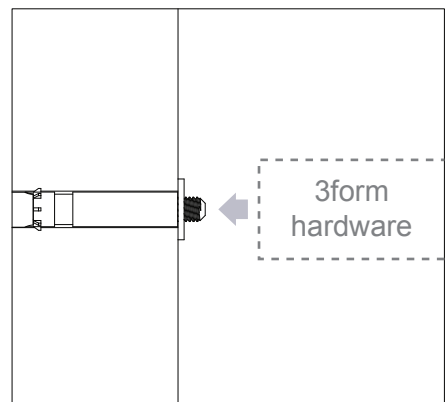
Use a hammer to insert the anchor.



Turn nut until torque reaches:
20 Nm or 15 ft-lb.



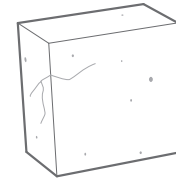
Take nut off



Install 3form part.

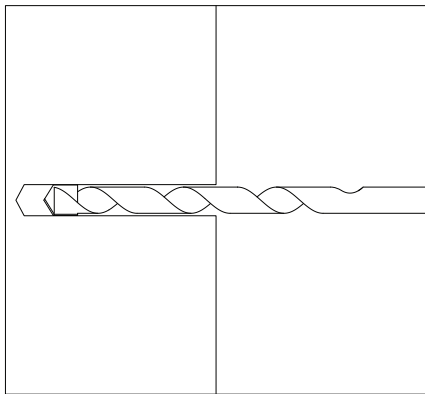
* Note: The above illustrations are for reference only. For complete installation instructions and technical data, please refer to Hilti's technical guide.

Concrete insert HIS-N M8x90
3-15-1611

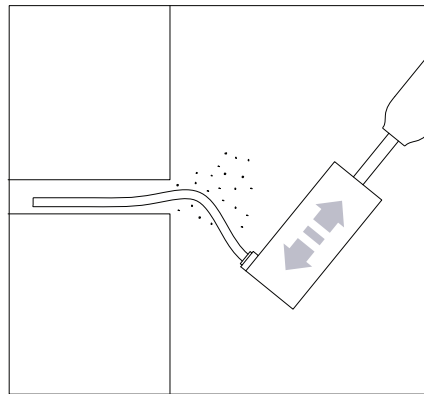


M8

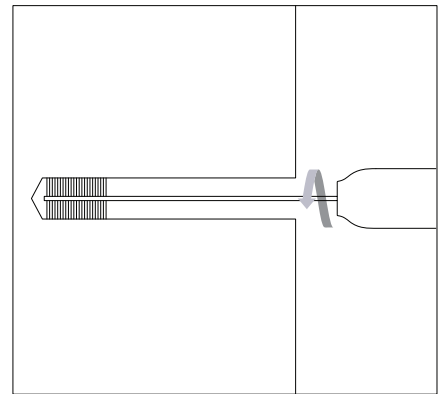
CONCRETE
(ICC rated)



Drill Ø14mm hole, 90mm deep.

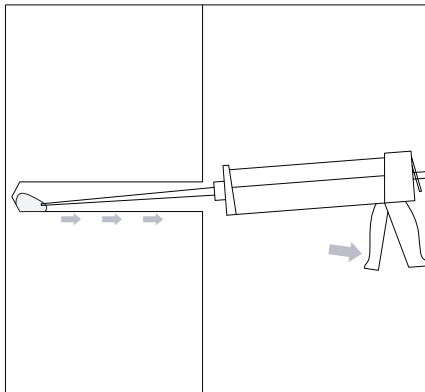


Remove drilling debris with
compressed air.

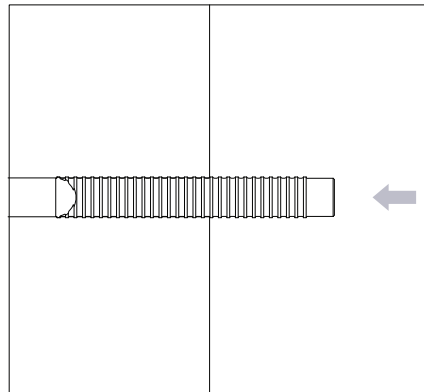


Brush bore hole with steel brush.

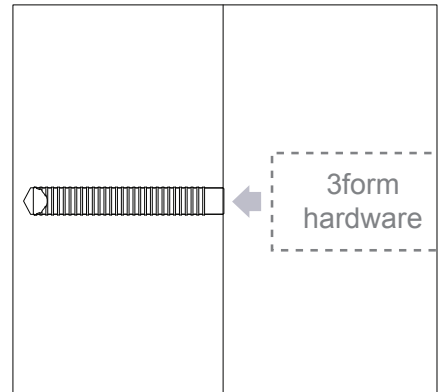
repeat these 2 steps 2 or 3 times



Use Epoxy Adhesive (HIT-RE 500-SD)



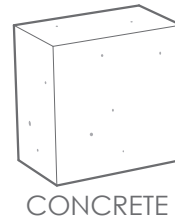
Install the concrete insert.



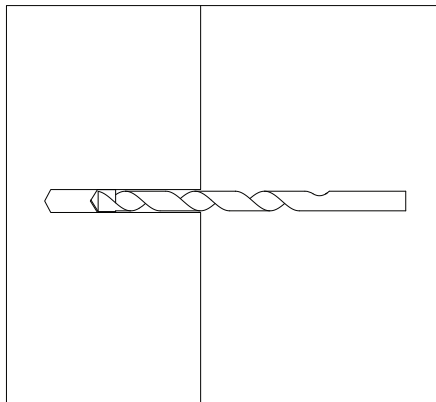
Install 3form parts after epoxy has fully
cured. Refer to Hilti's technical guide
for curing times.

* Note: The above illustrations are for reference only. For complete installation instructions, equipment needed, and technical data, please refer to Hilti's technical guide.

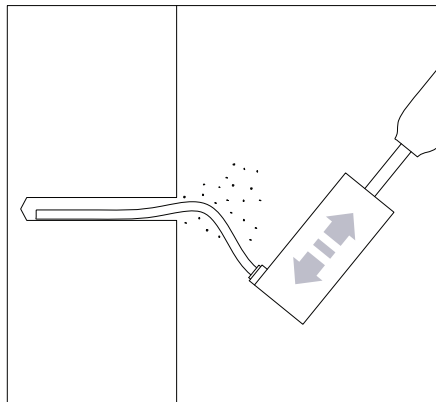
M6 concrete anchor
3-15-3010



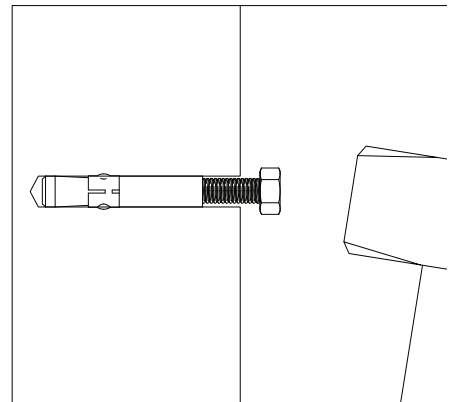
M6



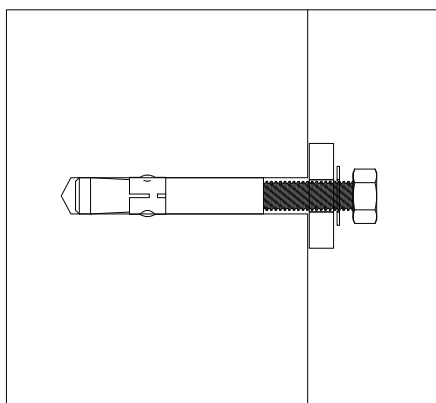
Drill Ø8mm hole, minimum 60mm deep.



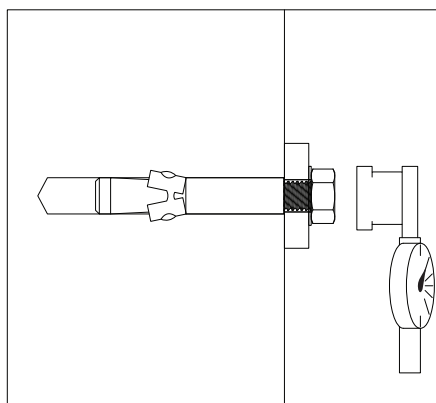
Remove drilling debris with a blowout bulb or with compressed air.



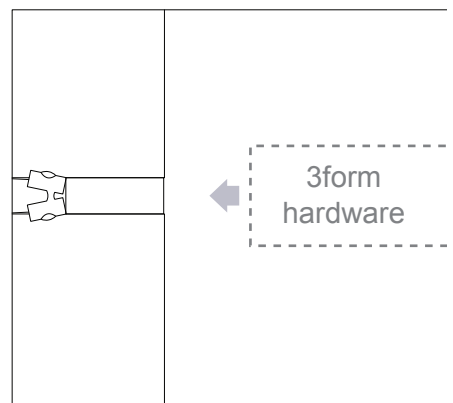
With screw in anchor, use a hammer to insert anchor.



Place washer under the screw head.

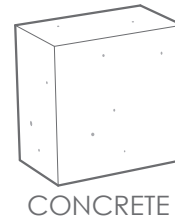


Torque the screw to 7 Nm

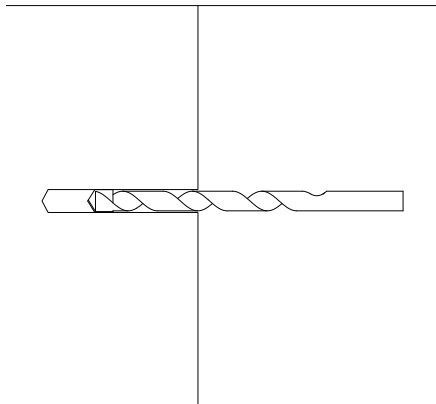


Remove screw and install 3form part.

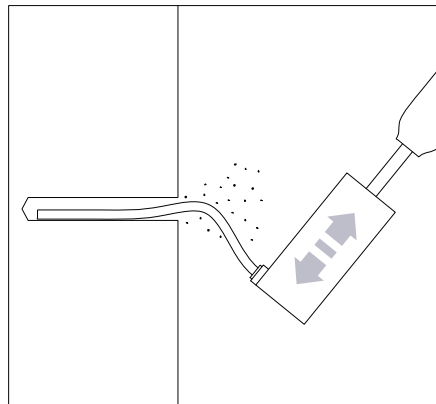
M8 concrete anchor
3-15-3011A



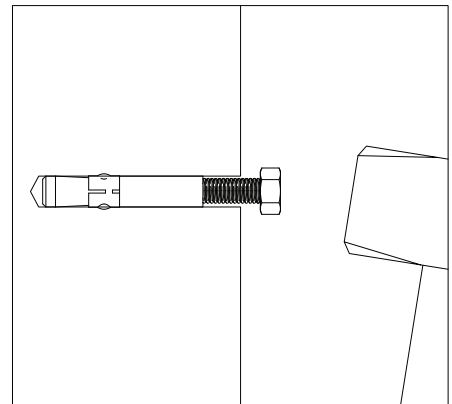
M8



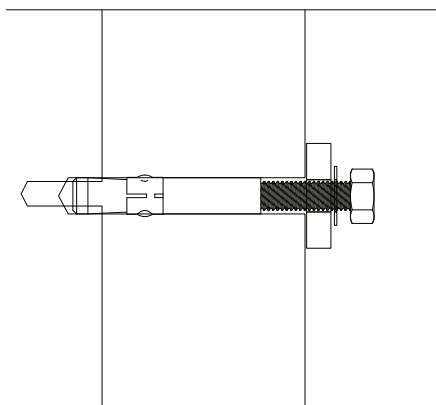
Drill Ø10mm hole, minimum 65mm deep.



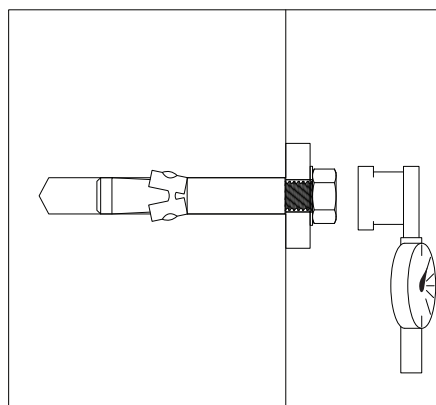
Remove drilling debris with a blowout bulb or with compressed air.



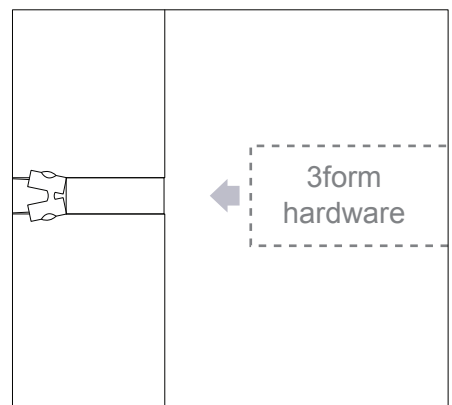
With screw in anchor, use a hammer to insert anchor.



Place a washer under the screw head.

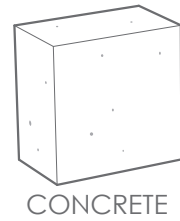
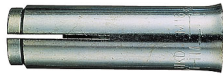


Torque the screw to 15 Nm

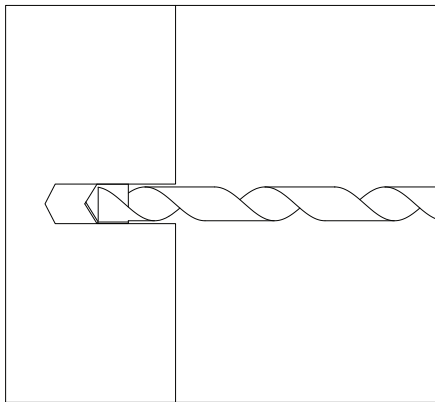


Remove screw and install 3form.

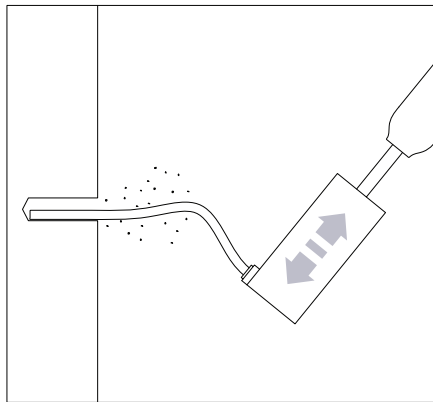
concrete flush anchor
HKD-S M8x30
3-15-1610



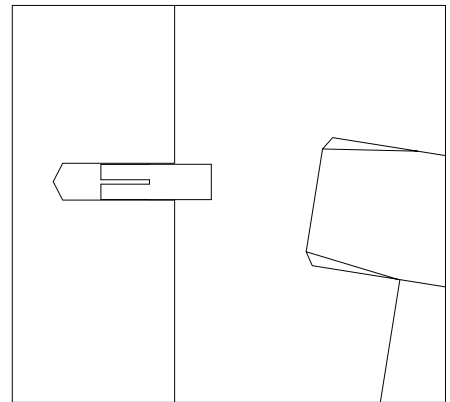
M8



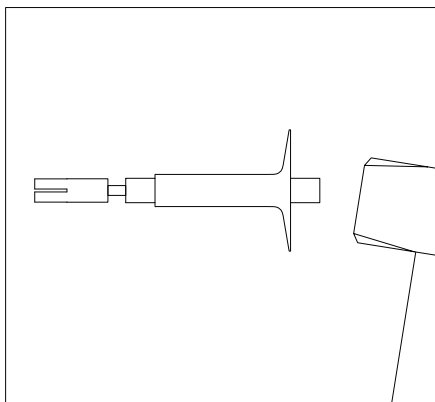
Drill Ø10mm hole, 33mm deep.



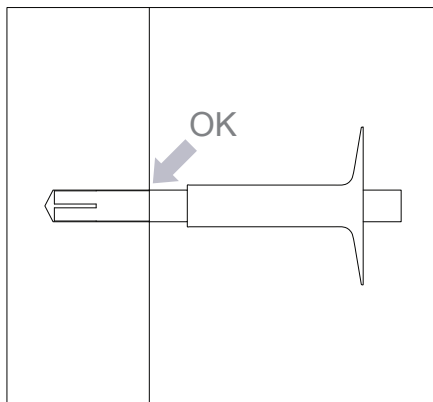
Remove drilling debris with a blowout bulb or with compressed air.



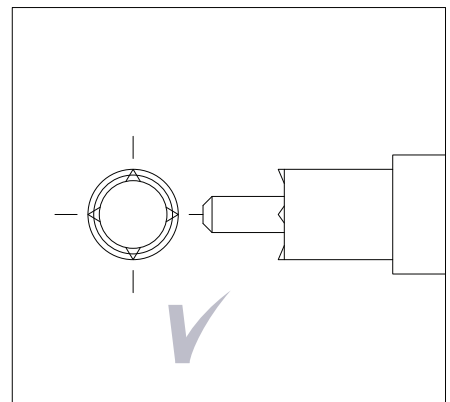
Use a hammer to insert the anchor.



Use setting tool 3-15-1612



Push in until marking is visible.



* Note: The above illustrations are for reference only. For complete installation instructions and technical data, please refer to Hilti's technical guide.



3/16" x 1 1/4" Fastener
3-15-0841



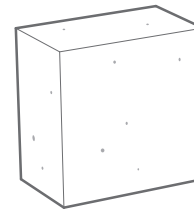
3/16" x 1 3/4" Fastener
3-15-0842



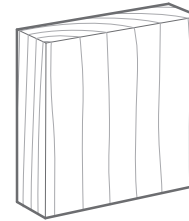
3/16" x 1 1/4" WH Fastener
3-15-1606



3/16" x 1 3/4" WH Fastener
3-15-1607

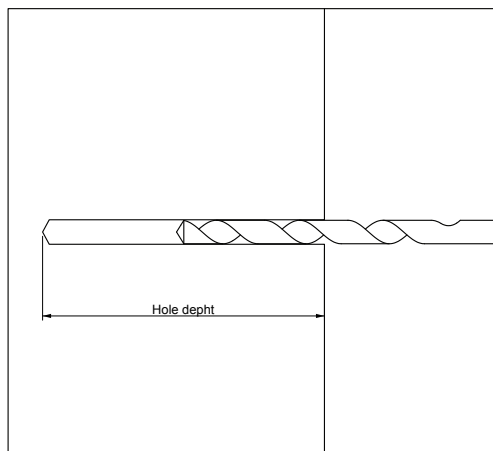


CONCRETE

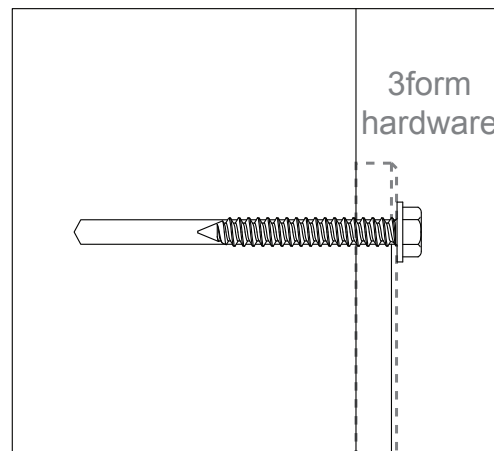


WOOD

M8

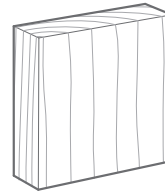


Use 3-15-0839 drill bit for concrete or 11/64" drill for wood. Hole depth = screw length + 1/2"



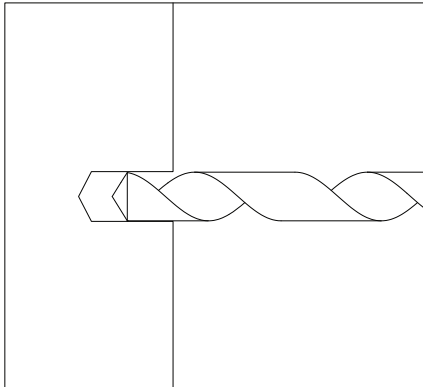
Install 3form part.

M6x25mm Rampa Screw
3-15-0762

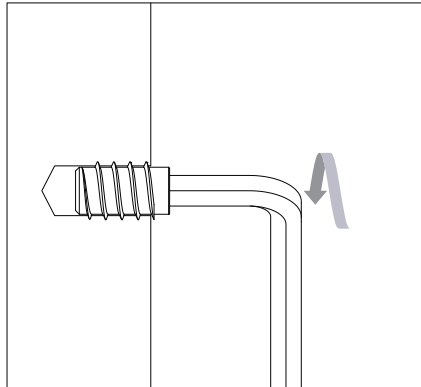


WOOD

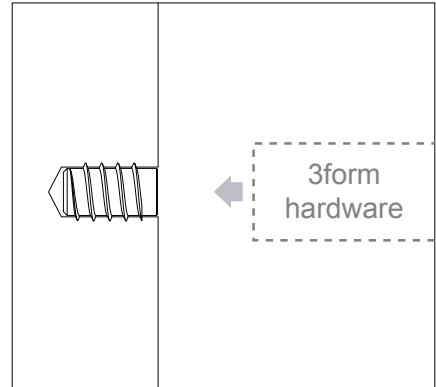
M6



Drill Ø.40 or Ø10.4mm hole
minimum 25mm deep.

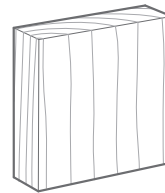


Use a Allen key to install the insert



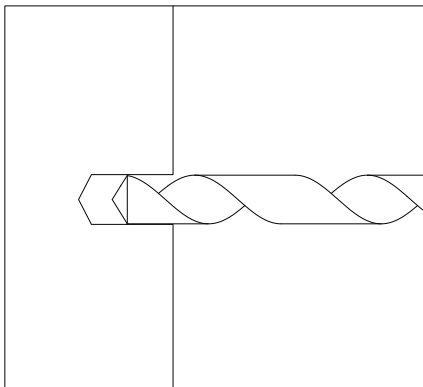
Install 3form part.

M8 Threaded Insert
3-15-0791

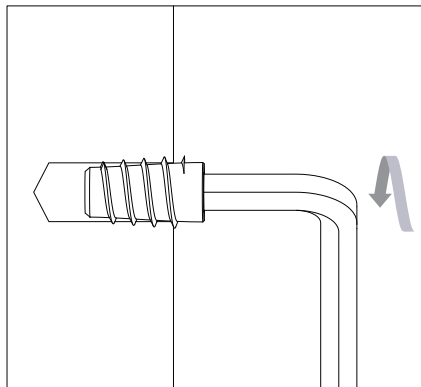


WOOD

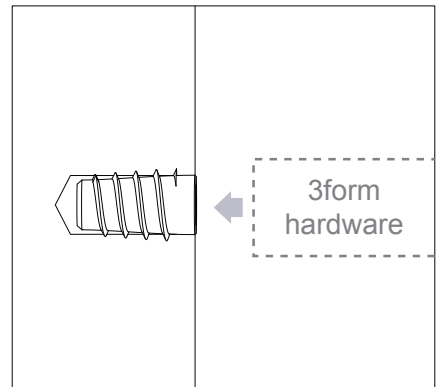
M8



Drill Ø7/16" or Ø11.1mm hole, minimum
20mm deep.

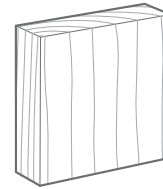


Use a Allen key to install the insert



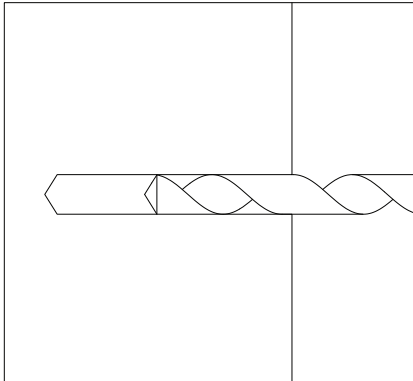
Install 3form part.

M8 Wood anchor, 50mm
3-15-3001

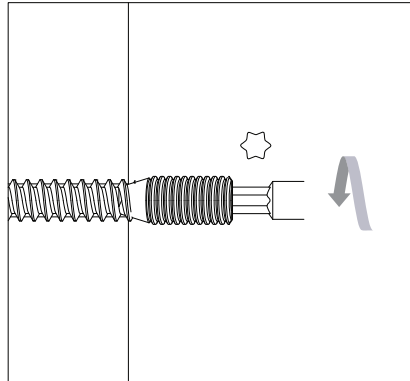


WOOD

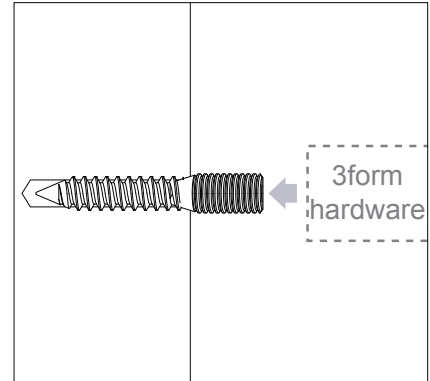
M8



Drill Ø5.8mm or 15/64" hole,
minimum 40mm deep.

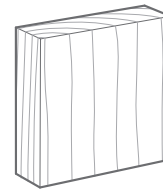


Use a torx driver to install the insert



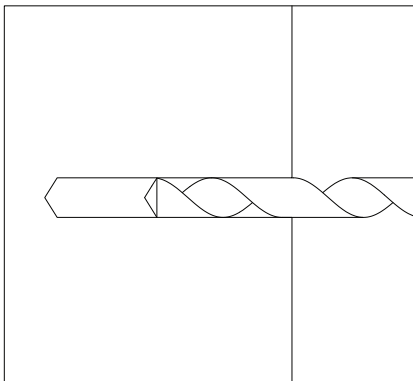
Install 3form part.

M8 Wood anchor, 60mm
3-15-3002

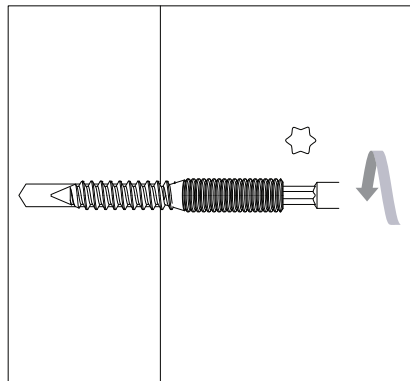


WOOD

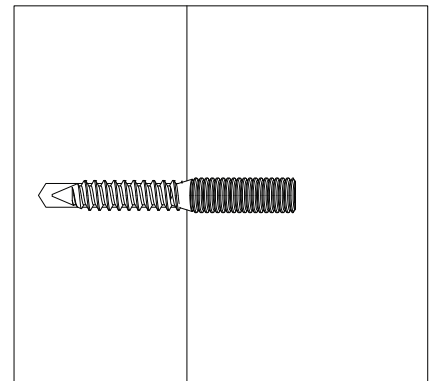
M8



Drill Ø5.8mm or 15/64" hole,
minimum 40mm deep.

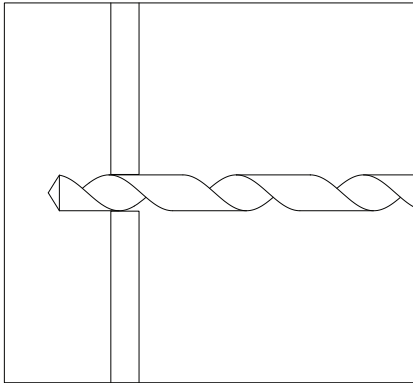
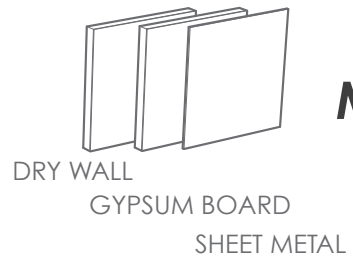


Use a torx driver to install the insert

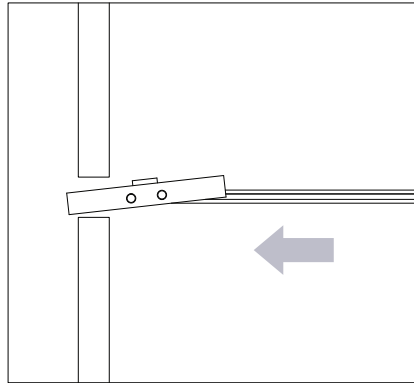


Install 3form part.

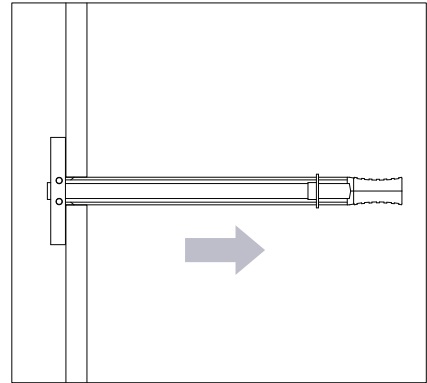
M5 Toggle Bolt Anchor
3-15-0701



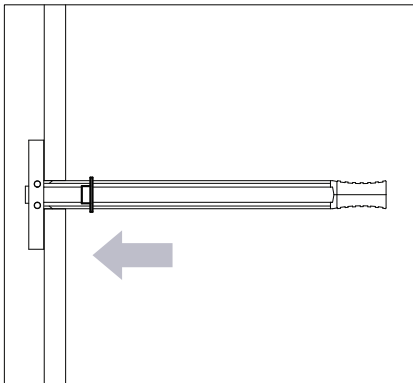
Drill $\frac{1}{2}$ " (13mm) hole. Minimum clearance behind wall = $1 \frac{7}{8}$ " (48mm)



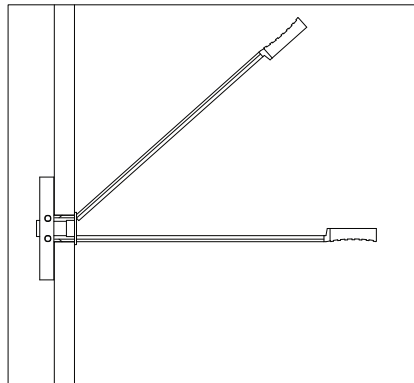
Position the metal channel parallel with the plastic legs. Insert the metal channel through the drilled hole into the wall cavity.



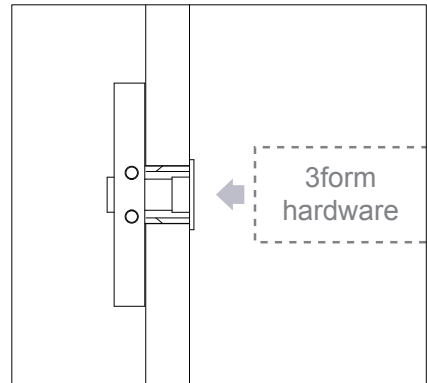
Pull the metal channel firmly against the inner wall cavity by tugging the ends of the legs.



Slide the plastic cap forward along the legs until it is seated flush to the work surface.

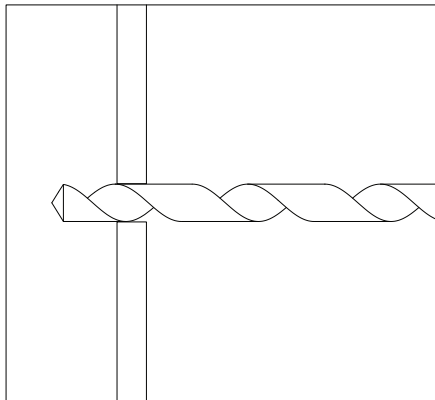
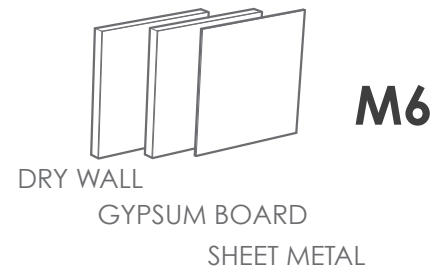


Snap the plastic legs off flush at the plastic cap by pushing outward.

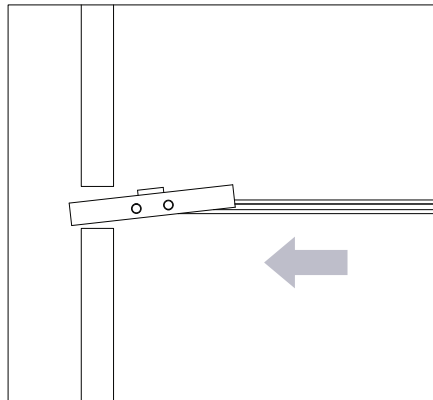


Install 3form part.
Note: Maximum torque on screw or rod is 5 ft-lb.

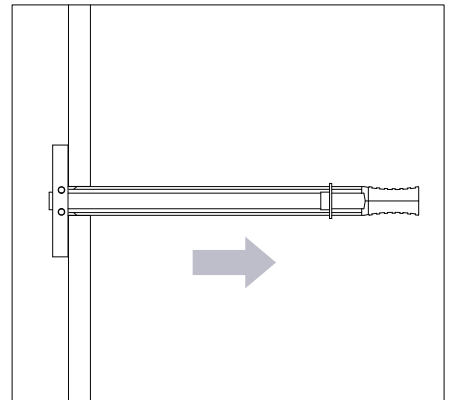
M6 Toggle Bolt Anchor
3-15-0700



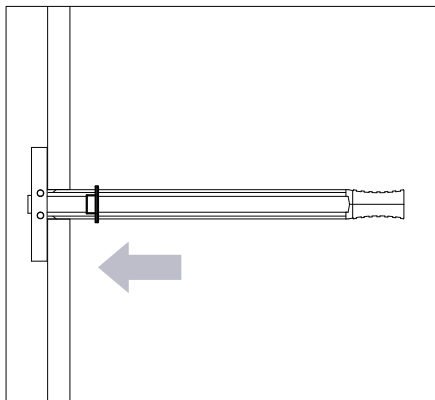
Drill Ø1/2" (13mm) hole. Minimum clearance behind wall = 1 7/8" (48mm)



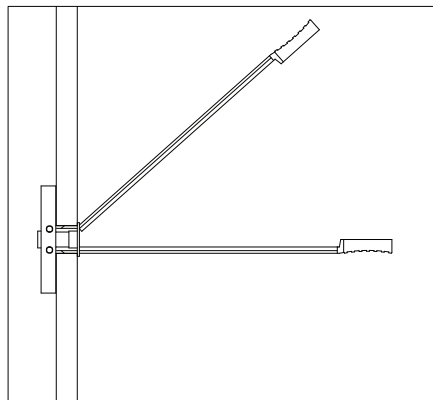
Position the metal channel parallel with the plastic legs. Insert the metal channel through the drilled hole into the wall cavity.



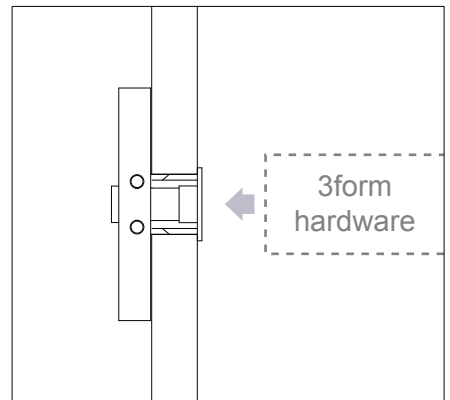
Pull the metal channel firmly against the inner wall cavity by tugging the ends of the legs.



Slide the plastic cap forward along the legs until it is seated flush to the work surface.

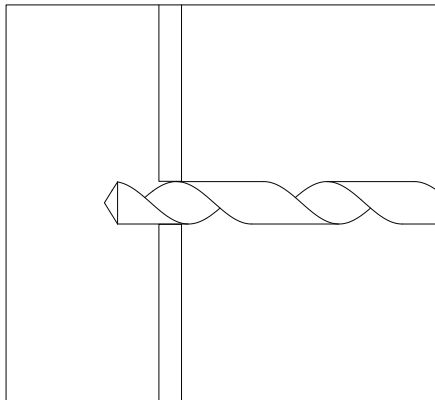
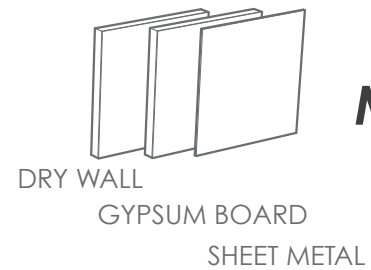


Snap the plastic legs off flush at the plastic cap by pushing outward.

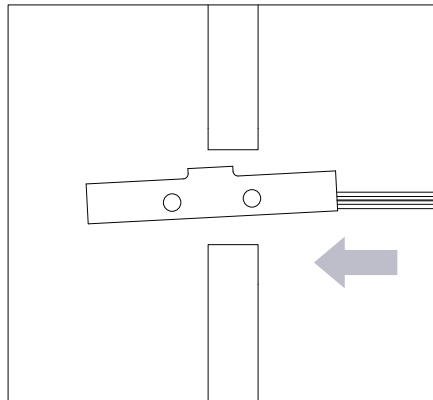


Install 3form part.
Note: Maximum torque on screw or rod is 5 ft-lb.

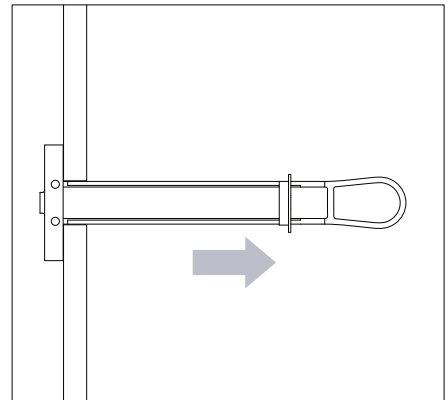
M6 Toggle Bolt Anchor
3-15-0700



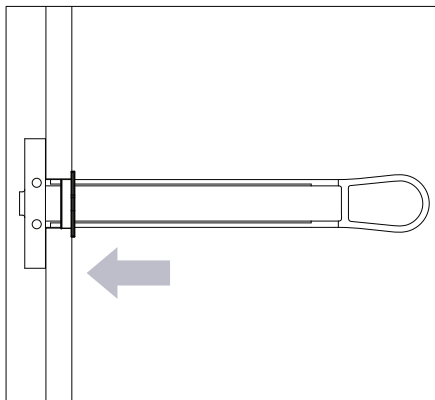
Drill Ø3/4" (19mm) hole. Minimum clearance behind wall = 1 7/8" (48mm)



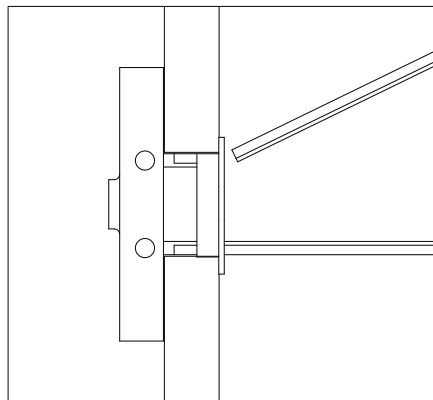
Position the metal channel parallel with the plastic legs. Insert the metal channel through the drilled hole into the wall cavity.



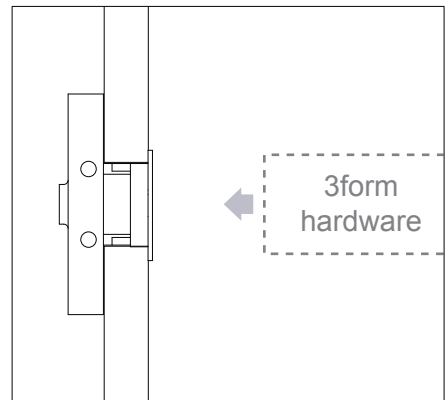
Pull the metal channel firmly against the inner wall cavity by tugging the plastic pull ring.



Slide the plastic cap forward along the legs until it is seated flush to the work surface.



Snap the plastic legs off flush at the plastic cap by pushing outward.



Install 3form part.
Note: Maximum torque on screw or rod is 5 ft-lb.