



PRODUCT DATA

Internal Threaded Stud Anchor 316 Stainless

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The **Internal Threaded Stud Anchor (316 Stainless)** is a single-unit non-expansion fastener for pre-drilled holes in a selected resin. The internal threads enable the use of conventional metric fasteners (bolts/threaded rods).

Fixing of the stud is achieved through use of a glass chemical capsule or injection adhesive system to insert a suitable curing resin. The stud is then positioned in the hole and rotated to properly set the resin.

Applications

- Fixing to concrete or masonry substrates
- Temporary fixings / removable applications
- Projects requiring non-expansion type fasteners
- Projects requiring closer edge distance and spacing

Material



316 Stainless

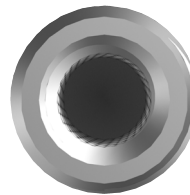
Finish



316 Stainless

Features

- Flush setting
- Non-expansion anchor and forces on the concrete
- Eliminates risk of concrete blowout
- Can be installed close to edges
- Reduced spacing between anchors

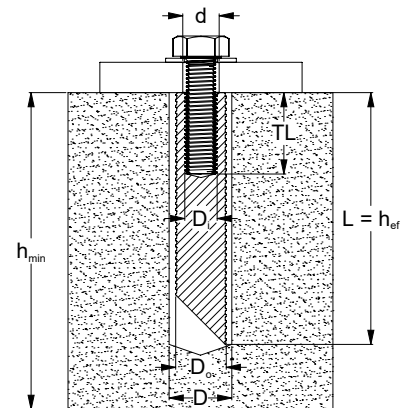


Top View



Installation Specifications

Anchor		M8	M10	M12	M16	M20
Outer Ø	D_o (mm)	12	16	20	25	30
Inner Ø	D_i (mm)	8	10	12	16	20
Nominal Hole Ø	D (mm)	14	18	22	28	34
Fixture Clearance Ø	d (mm)	10	12	14	18	24
Brush Size Ø	(mm)	16	20	26	30	36
Stud Length	L (mm)	90	90	90/125	125	180
Min. Depth of base material	h_{min} (mm)	120	120	130/165	175	240
Min. Spacing	s_{min} (mm)	60	80	100	125	150
Min. Edge Distance	c_{min} (mm)					



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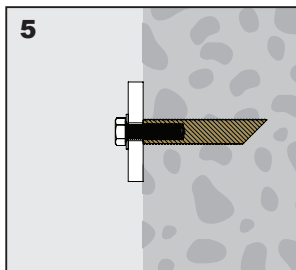
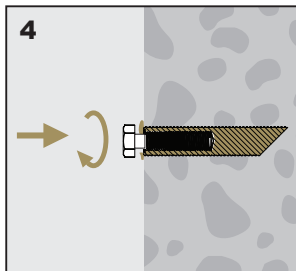
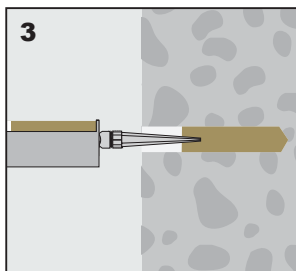
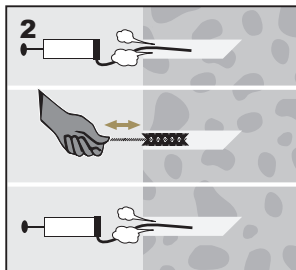
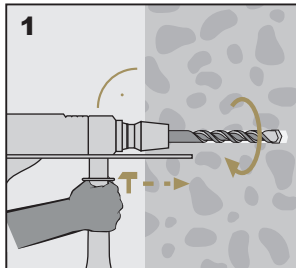
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Installation guide

1. Drill a hole of suitable diameter and anchorage depth for the anchor being installed (see table above for hole diameter and effective embedment depth). Note: where indicated by the manufacturer, do not use a diamond drill bit.
2. Following the chemical manufacturer's instructions, clear the hole of dust and debris. As a minimum, follow the AEFAC (The Australian Engineered Fasteners and Anchors Council) certified installer method:
 - i. From the bottom of the hole, use a hand pump (maximum \varnothing 20 mm hole) or compressed air (6 bar minimum) to clean dust and debris. Repeat 3x.
 - ii. Using the correct wire brush (brush $\varnothing \geq$ hole \varnothing), clean the hole from the bottom. Apply a rotating motion as you pull out of the hole. Repeat 3x.
 - iii. From the bottom of the hole, use a hand pump (maximum \varnothing 20 mm hole) or compressed air (6 bar minimum) to clean dust and debris. Repeat 3x.
3. Prepare chemical (polyester, vinylester, epoxy, etc) and follow the appropriate installation guide from the chemical manufacturer. Start filling from the bottom of the hole, withdrawing the nozzle slowly to avoid air pockets. A minimum of 2/3 of the hole should be filled with chemical.
4. With the bolt inserted, push the anchor into the hole. Rotate the anchor slowly while inserting to ensure even distribution of chemical. Note: following insertion, the anchor should be set at the bottom of the hole with excess chemical visible at the top. Clean the excess chemical.
5. Follow the chemical manufacturer's instructions for curing time before applying any load. Do not disturb the anchor during curing process. Once chemical is fully cured, the fixture can be installed and secured.

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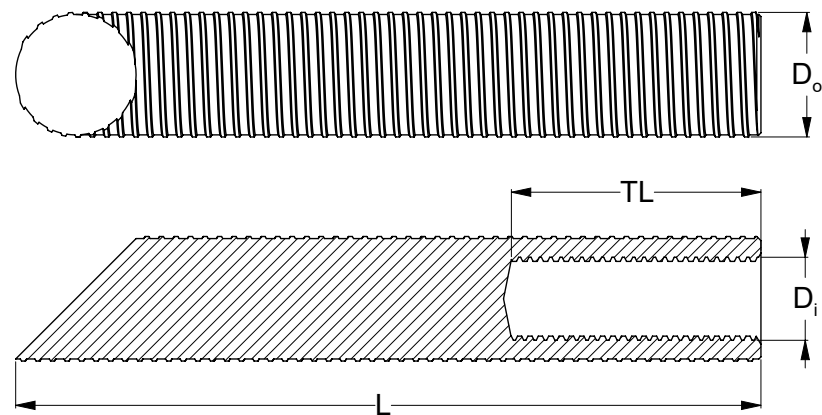
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Part Number	Description	Stud Property Class	Length	Internal Thread Length	Internal Thread	Inner Diameter	Outer Diameter	Stud Tensile Strength
			L (mm)	TL (mm)		Di (mm)	Do (mm)	(MPa)
MCI16PDM080090	316 Stainless Internal Threaded Stud Anchor	A4-50 ISO3506-1	90	30	M8x1.25	8	12	500
MCI16PDM100090			90	35	M10x1.50	10	16	
MCI16PDM120090			90	40	M12x1.75	12	20	
MCI16PDM120125			125	40	M12x1.75	12	20	
MCI16PDM160125			125	40	M16x2.00	16	25	
MCI16PDM200180			180	60	M20x2.50	20	30	

CONX[®]TRUCT

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