

Go-Around-Joe

Foundation Construction Guide

V2.3.1

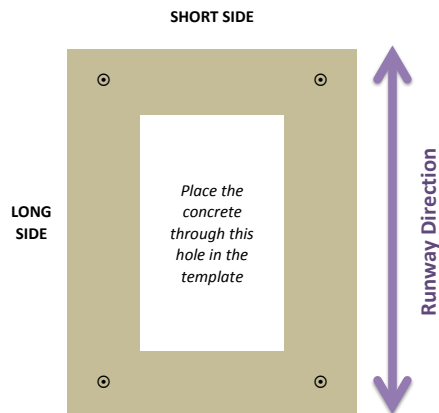
It is STRONGLY suggested to watch the Go-Around-Joe Assembly and Installation INSTRUCTION VIDEO before commencing with installing the Go-Around-Joe

Youtube Link - click [HERE](#)

Instructions:

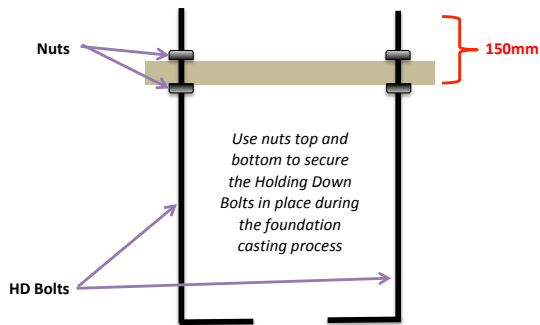
1. Dig a hole for the foundation 600mm Wide x 700mm Long x 500mm Deep
NOTE: ENSURE that the LONG SIDE (700mm) of the foundation is ALIGNED WITH THE RUNWAY DIRECTION
2. Place a levelling nut on each of the four holding down bolts, about 150mm down the threaded rod of the HD Bolt
3. Place the four (4) HD Bolts through each of the four holes in the Wooden HD Bolt Template
4. Place a tighten a SECOND nut on the section of the four (4) HD Bolt which is protruding through the Wooden HD Bolt Template
5. Place the HD Bolts, now fastened to the Wooden HD Bolt Template into the foundation hole, ensuring that the bottom leg of the HD Bolts are at least 50mm off the bottom of the foundation
6. Cast the foundation either with concrete or using the 'rock plumbing technique' outlined below
NOTE: Throughout the casting process ENSURE that the Wooden HD Bolt Template is remaining level and that the template and the HD Bolts remains SQUARE (90°) to the runway

Foundation Orientation
DOUBLE-CHECK that the LONG SIDE of the foundation is ALIGNED with the RUNWAY DIRECTION

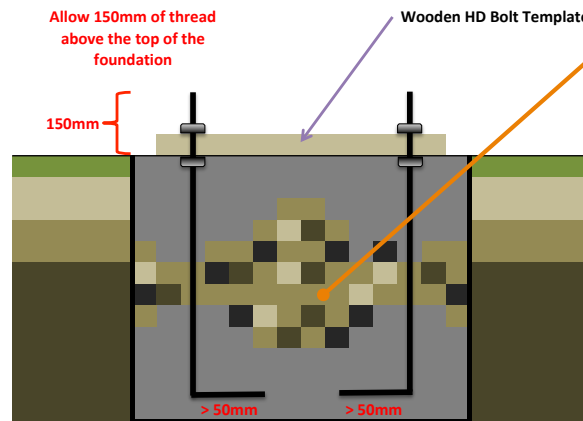


Wooden HD Bolt Template

(HD Bolt Centres: 450mm x 550mm)



Wooden HD Bolt Template with HD Bolts



Hole Size = 600mm Wide x 700mm Long x 500mm Deep

NOTE: The 700mm Long Side must be ALIGNED with the RUNWAY DIRECTION

Plumming the Foundation with Rock

As this is not a structural or load-bearing foundation, and is reliant more on weight to resist overturning, you may 'plum' the centre of the foundation with clean solid rocks, which will save a lot on the cost of concrete, whilst at the same time provide the mass need to resist overturning from wind-loading forces on the panels.

Plumbing Process:

- Position the Holding Down Bolts at roughly the right level to give the 150mm above ground height
- Place about 30% of the concrete mix at the base of the hole, which should cover the bottom of the HD Bolts
- Place clean medium sized rocks in the middle 40% of the foundation
NOTE: Use a MAXIMUM of 40% rocks by VOLUME
- Place the remainder of the concrete mix in the top 30% of the foundation, making sure that the concrete works its way down in and amongst the rocks, thereby making the foundation a composite mixture of concrete and rock
- Throughout the casting of the foundation, use a poker of sorts (thick stick or rod) to ensure that voids in the concrete are reduced to a minimum
- Cast the foundation right up to the underside of the Wooden HD Bolt Template
- Throughout the casting process ENSURE that the Wooden HD Bolt Template is remaining level and that the template and the bolts remains SQUARE (90°) to the runway