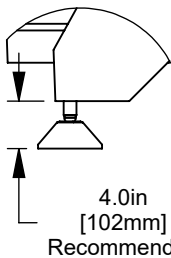
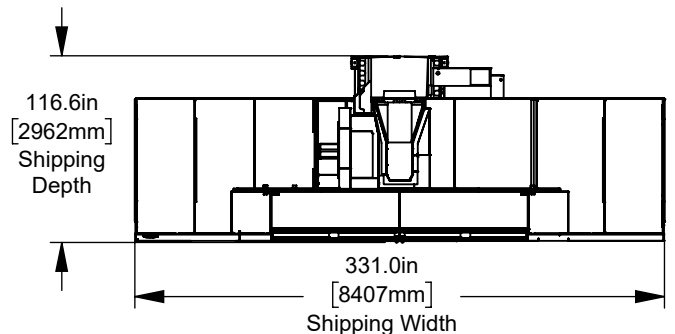
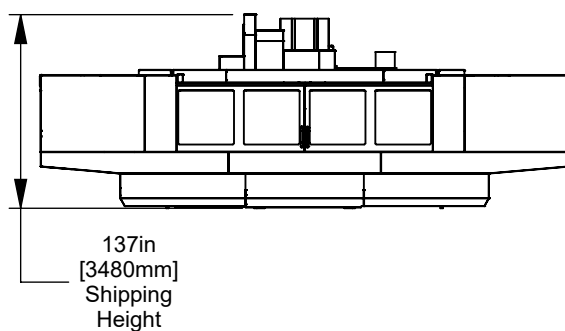


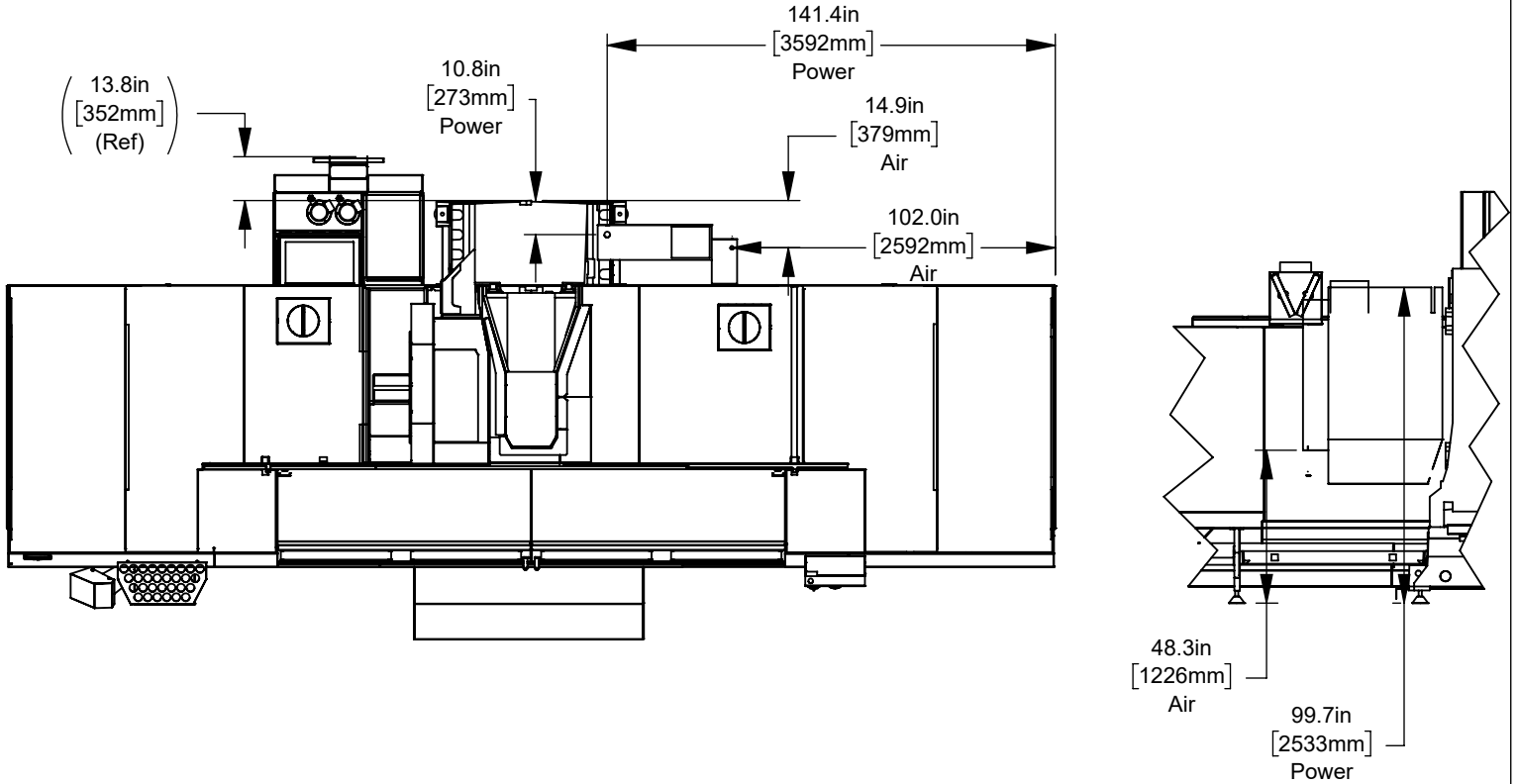
Leveling Pad Detail



Shipping Dimensions



Air & Power



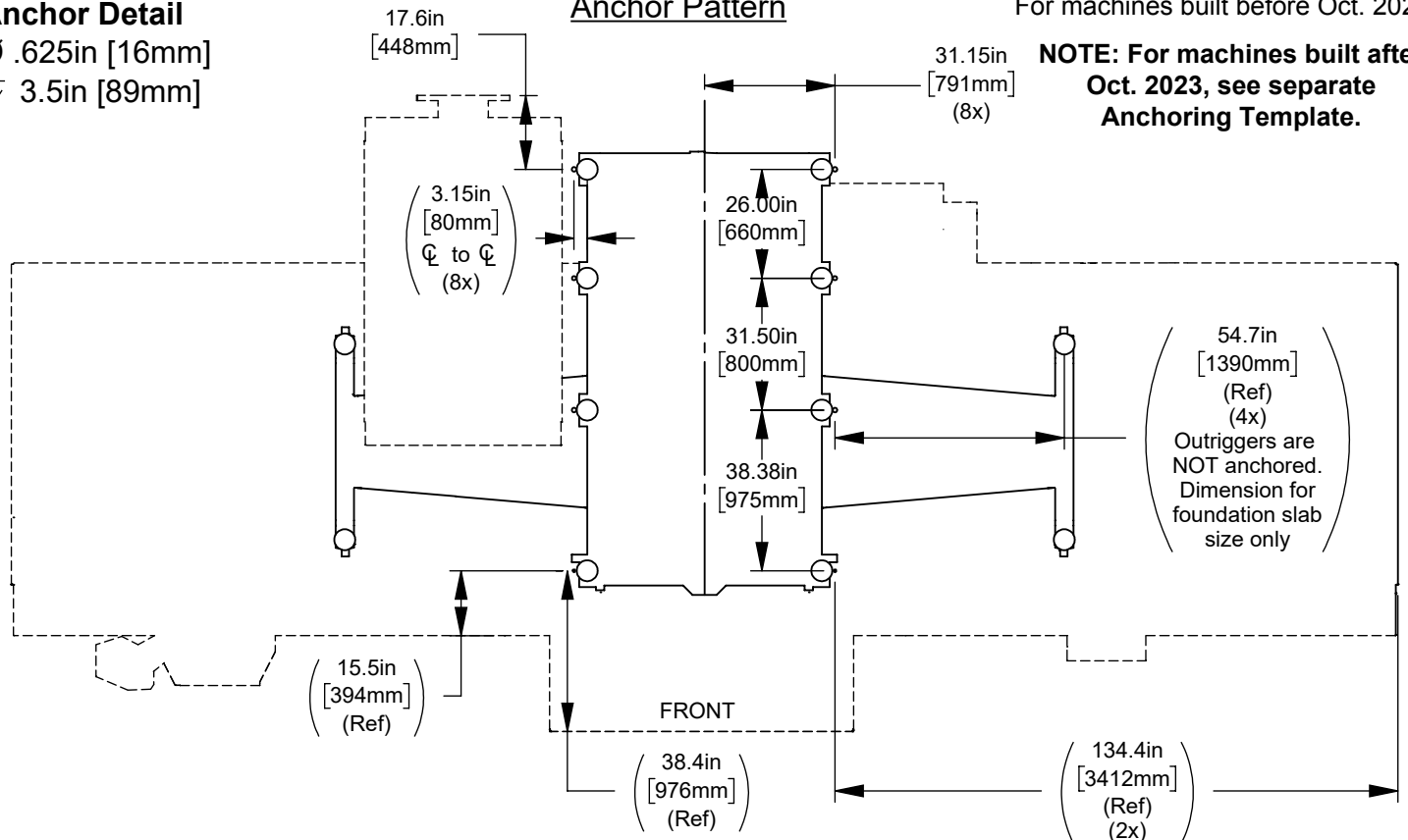
**Anchor Detail**

Ø .625in [16mm]  
▽ 3.5in [89mm]

Anchor Pattern

For machines built before Oct. 2023

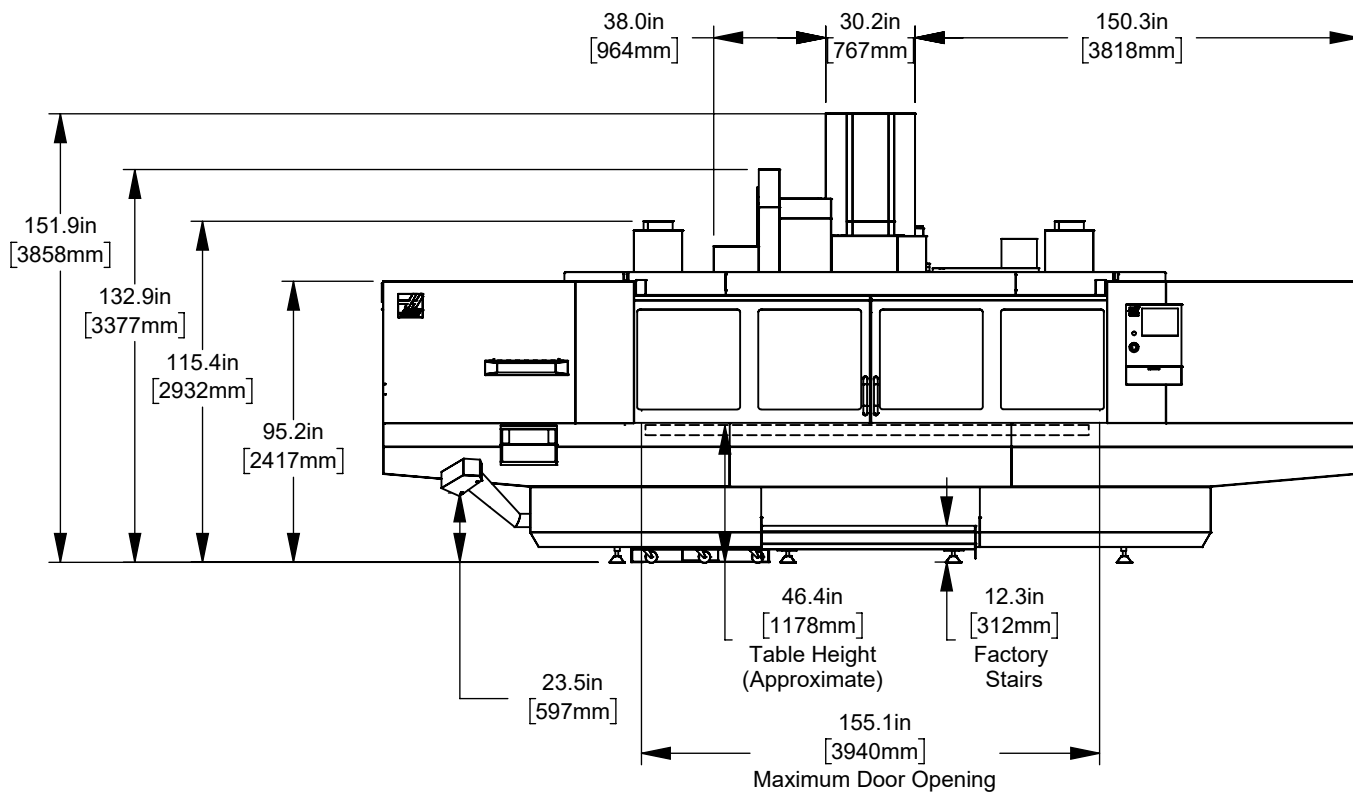
**NOTE: For machines built after Oct. 2023, see separate Anchoring Template.**



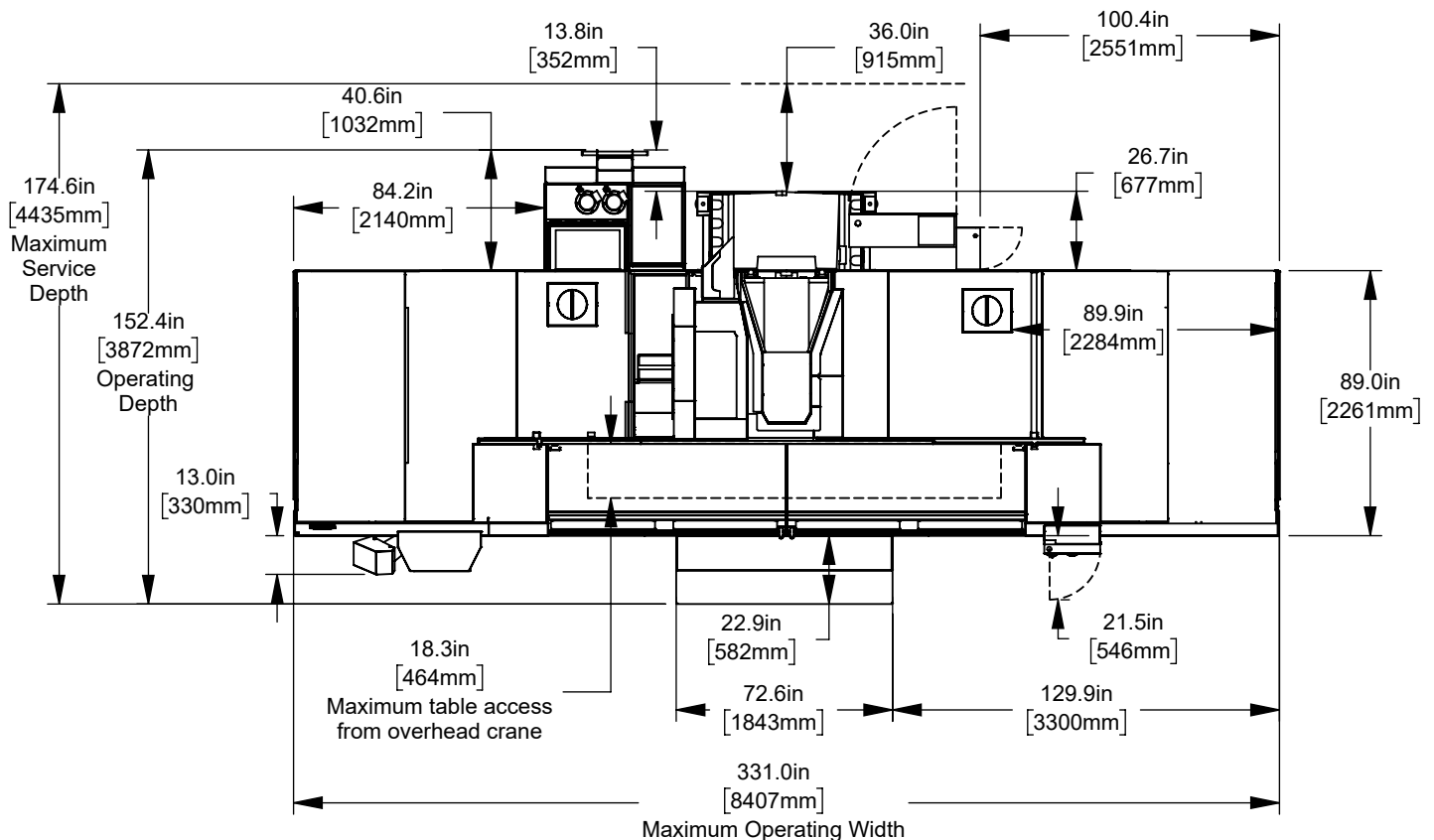
Note - Machine must be placed on one continuous slab.  
Slab to extend 12" [305mm] beyond all leveling feet

Anchor Patter for Cast/Hammer-In anchors with 3.15" [80mm] Leveling pad center to anchor bore hole center distance

Height Breakdown

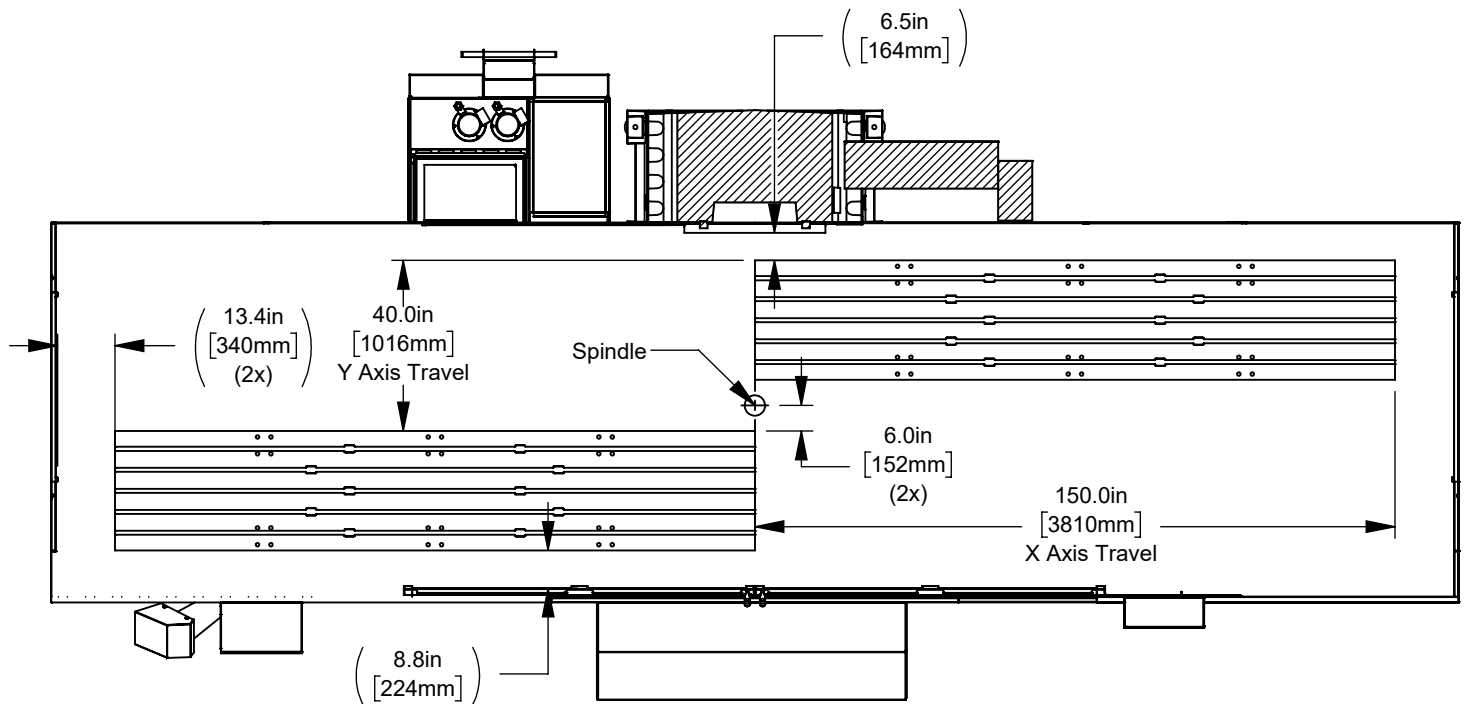


Width Breakdown

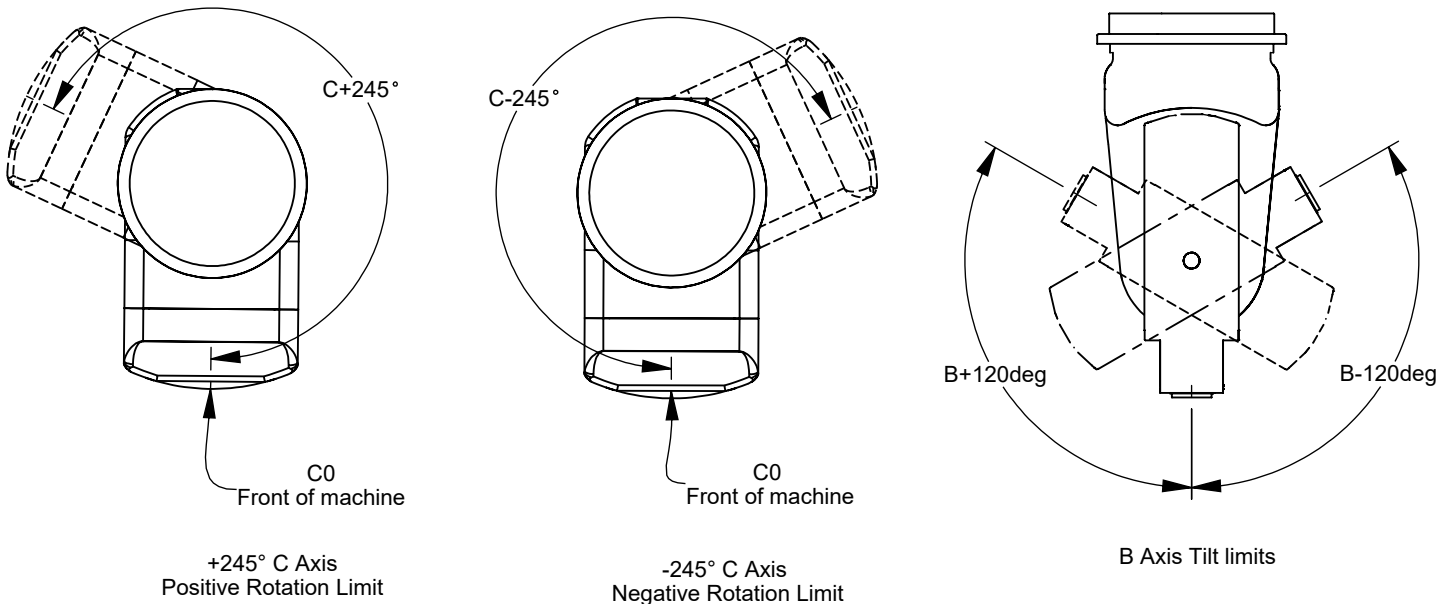


Maintain 3 feet [915mm] clearance to the nearest obstruction around all sides of machine perimeter for maintenance access

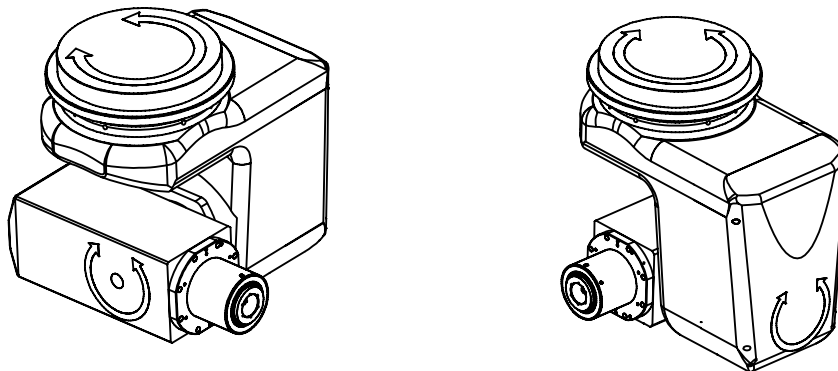
X & Y-Axis Travel at B0



B & C axis Travel



## Isometric view of B &amp; C Axis gimbal head for visual reference

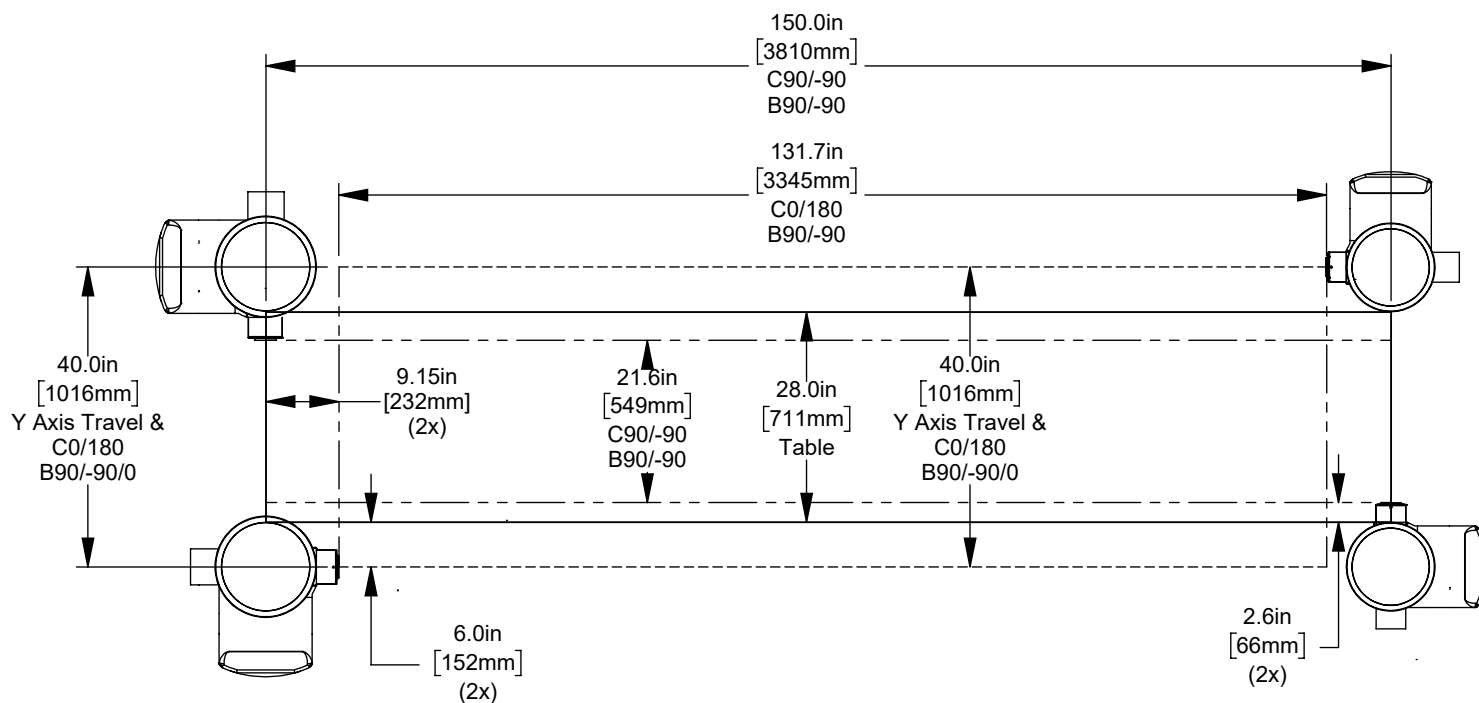
X&Y-Axis Clearance at B90 with C at 0, 90, -90, and 180

## Notes -

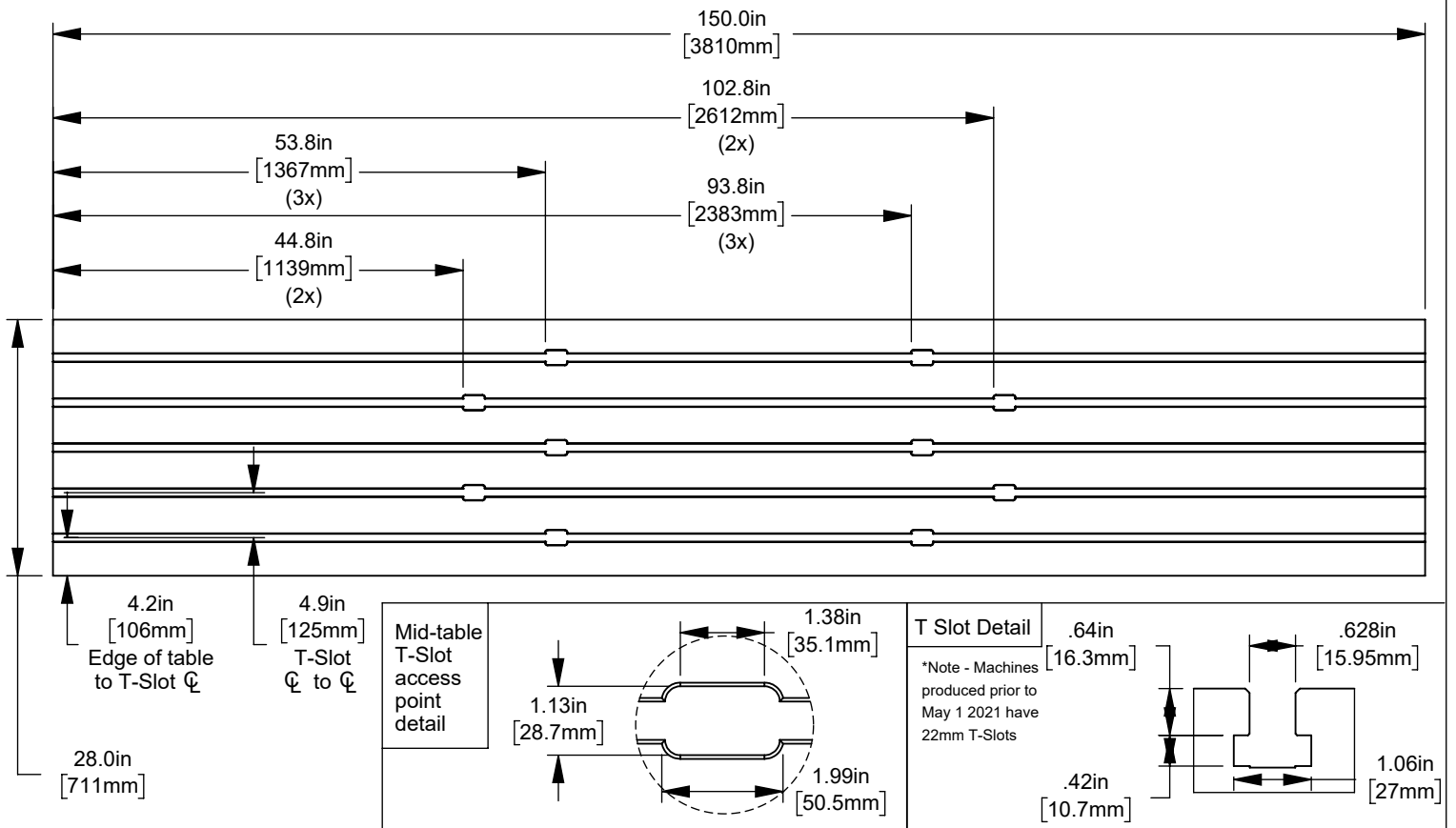
The schematic shows the B90° work envelope with no tool in the spindle.

Depending on the part size and how many faces require machining, the part may need to be centered or offset to one side of the table.

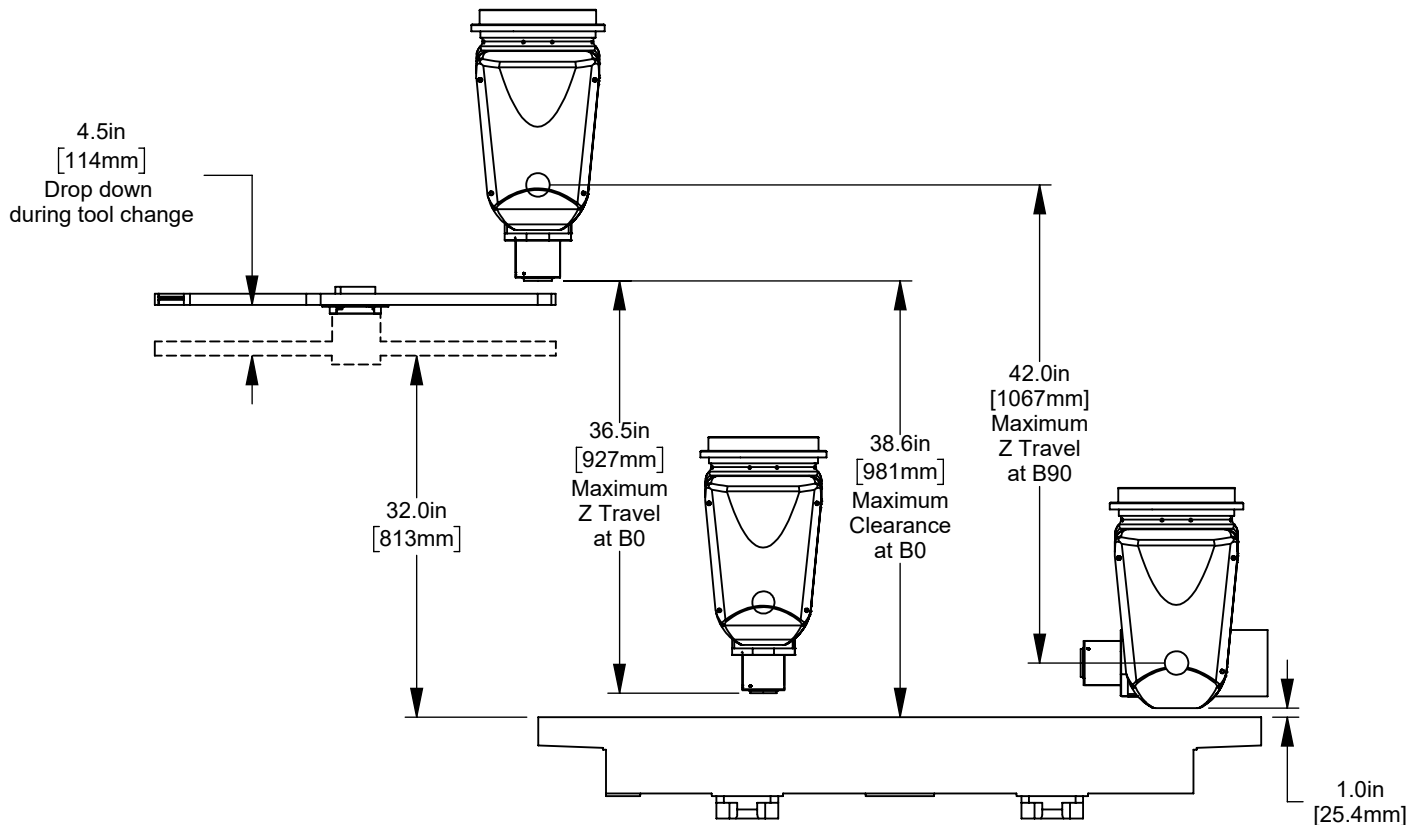
Subtract (the longest tool length required on each side of the part) + (clearance) from the travels shown below to determine the maximum size workpiece based on your tooling requirements



Table

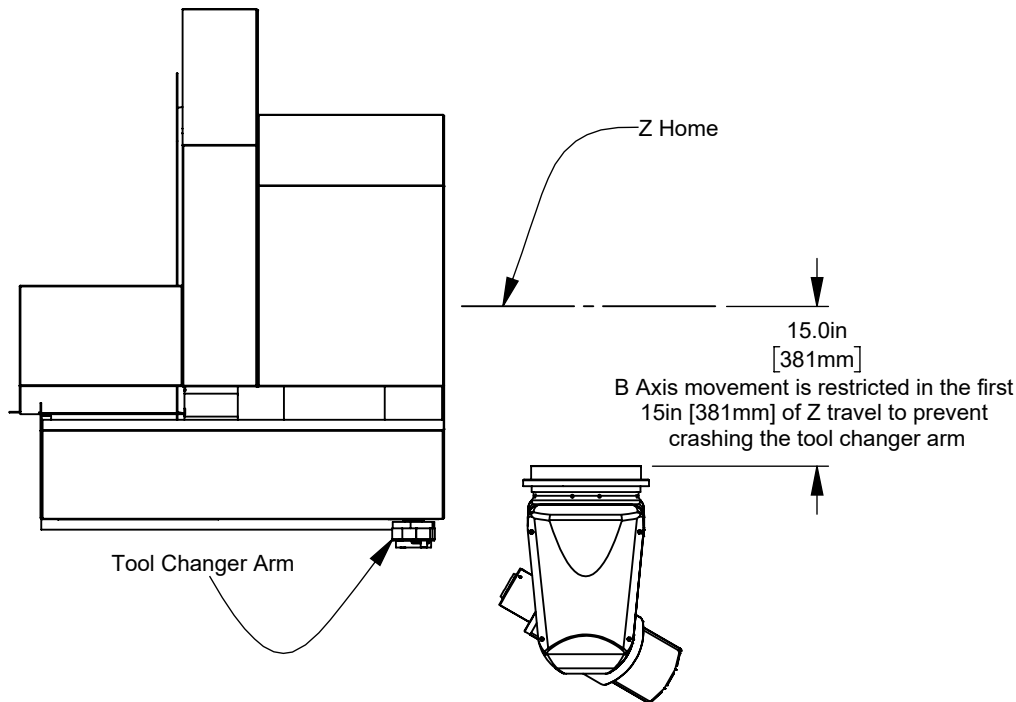


Tool Changer and Z Travel



**Restricted zones**

**NOTE- Spindle must be empty before Powerup/Restart is performed or the B axis may crash the tool changer**

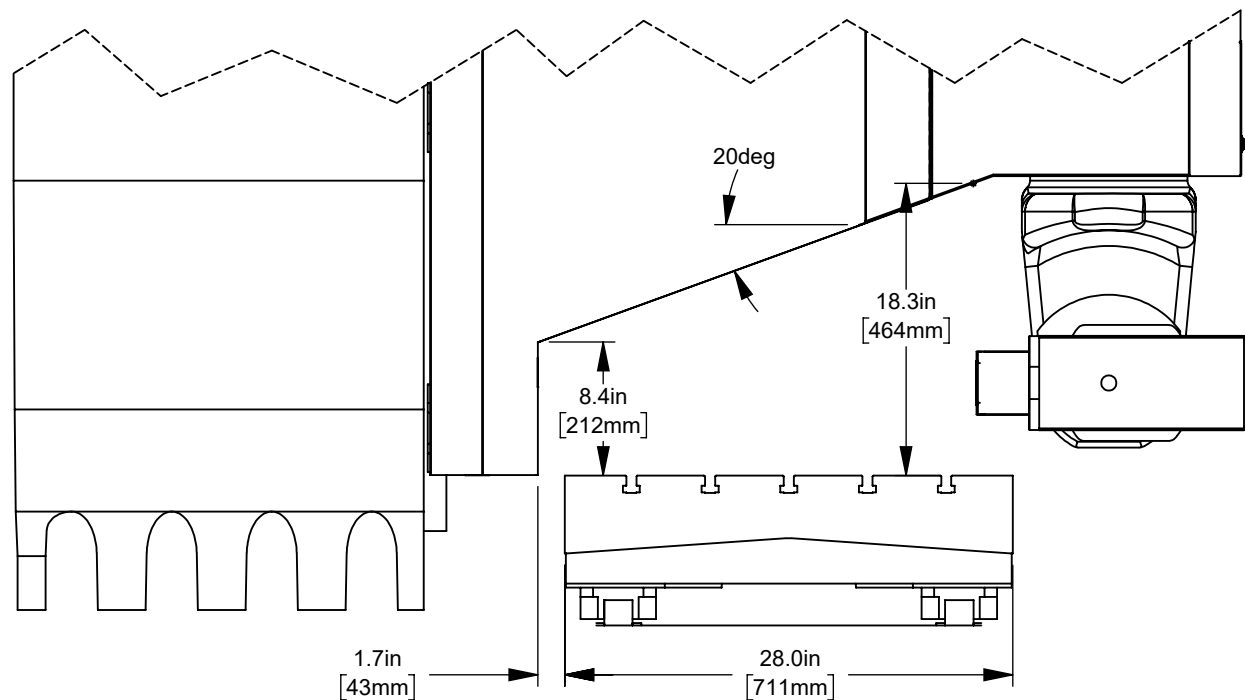


In addition to the tool changer interference zone, the machine has restricted zones between the gimbal head and fixed machine elements

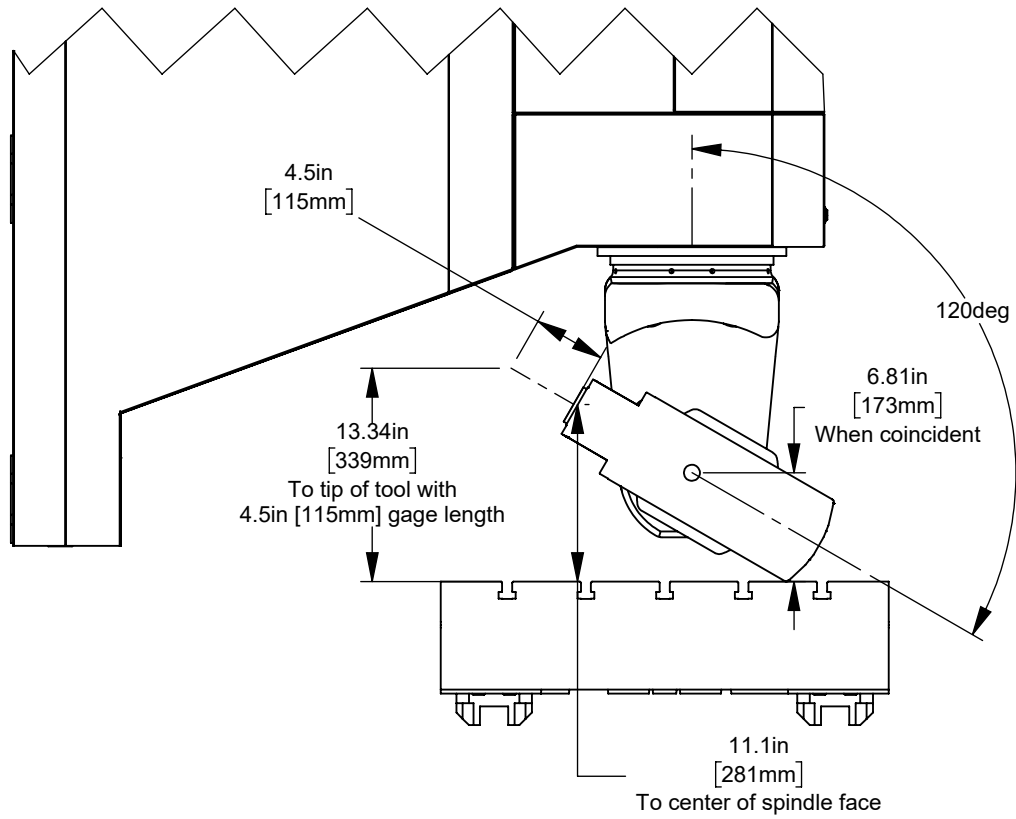
When Setting 408 = 1 the interference zones account for the tool length based on its Z geometry in the offset table

When Setting 408 = 0 the tool length is not considered in the interference zones

Potential interference at maximum Z travel with Z axis casting



**Minimum Z height to reach B120°**



**Gimbal Head Detail**

