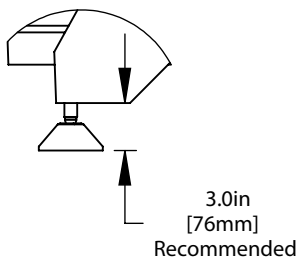
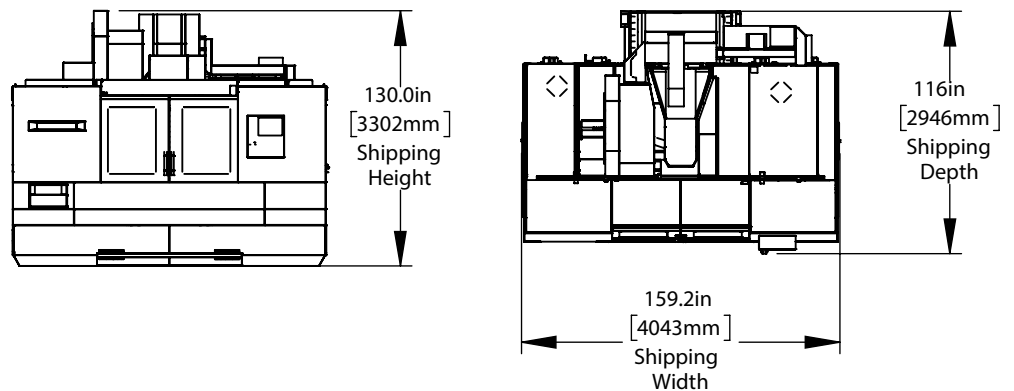
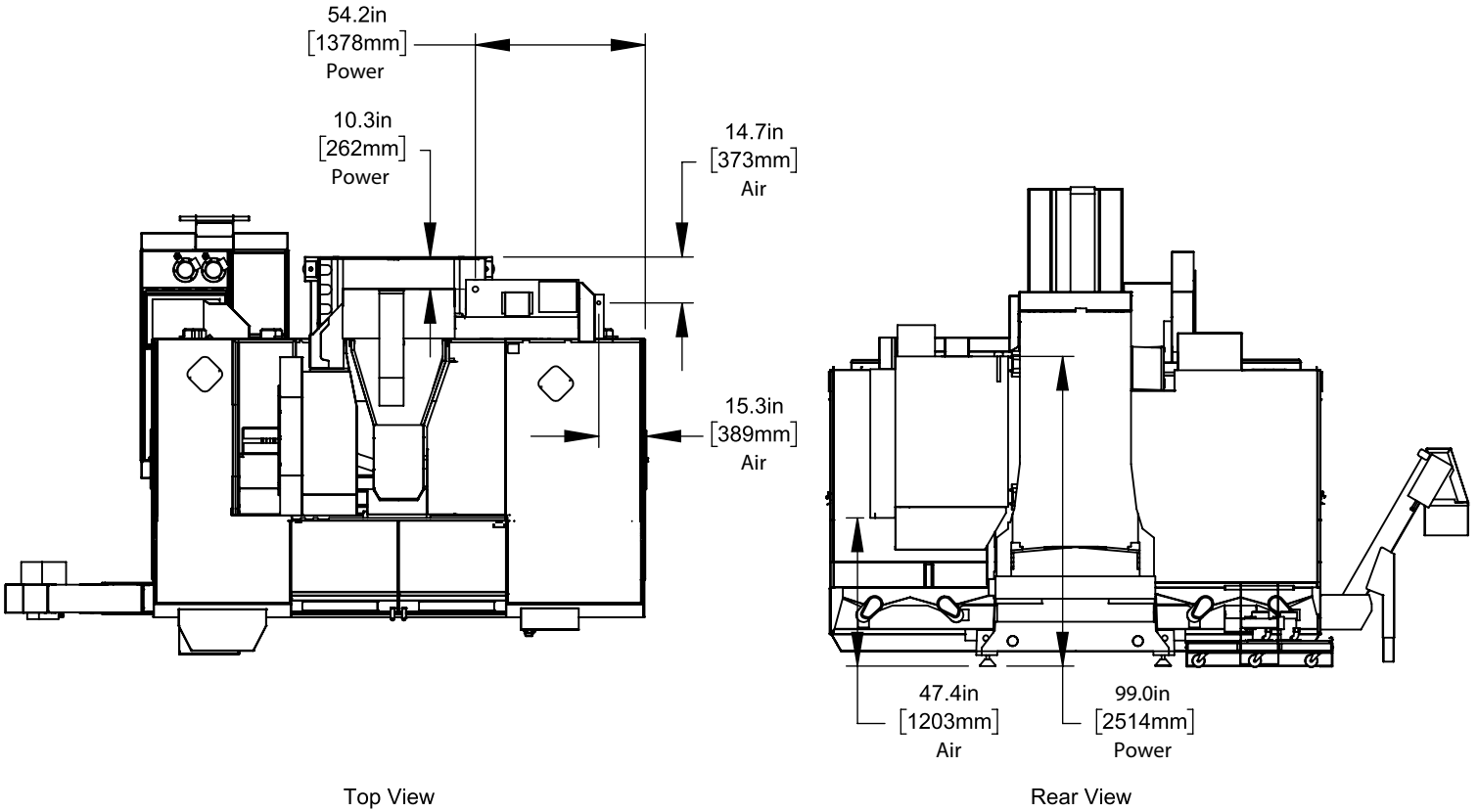


Shipping Dimensions



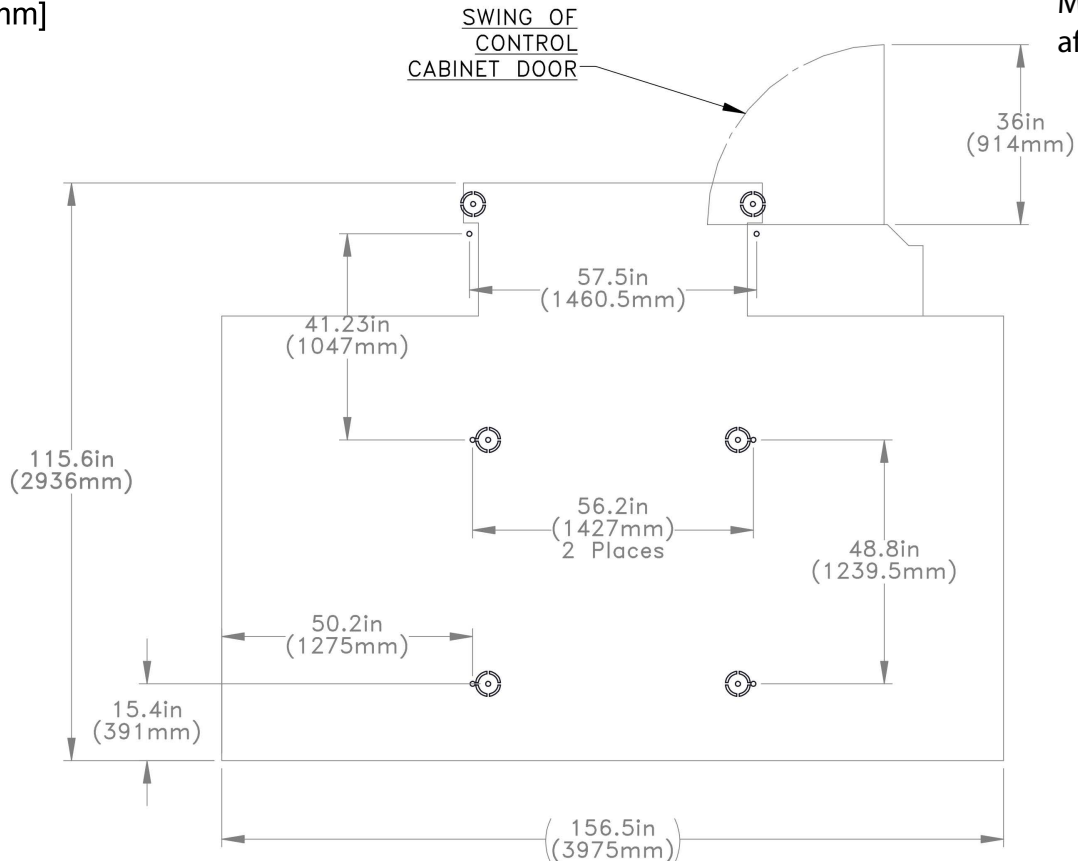
Air & Power



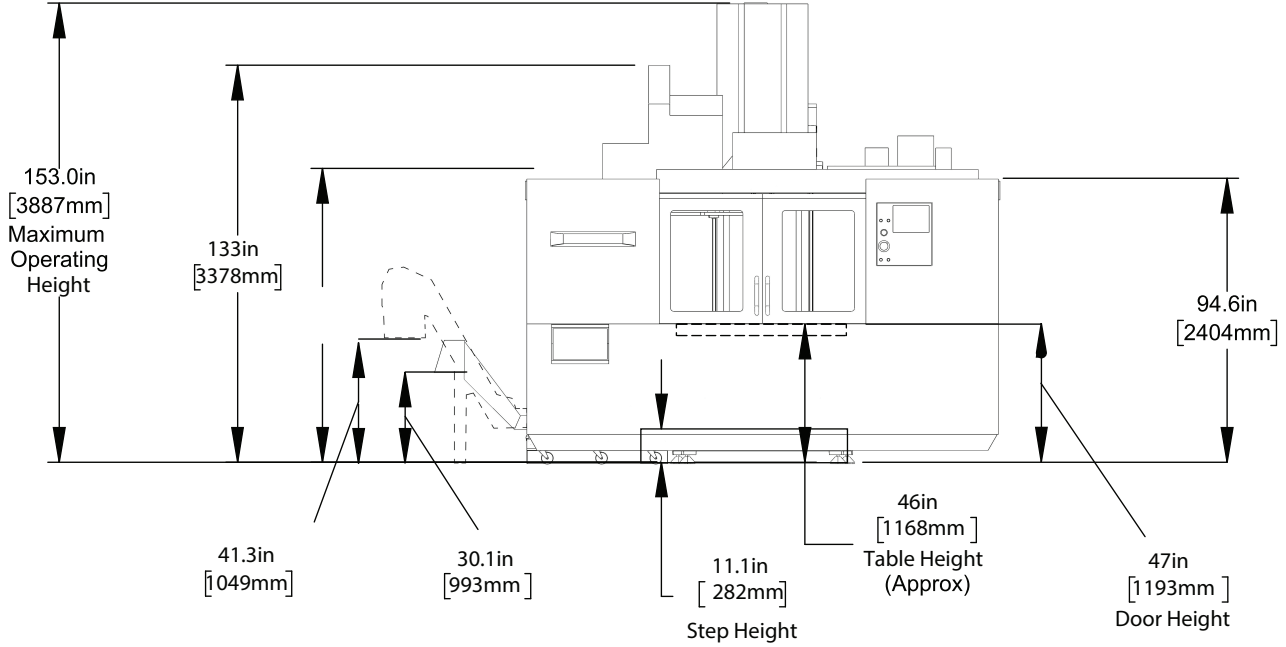
Anchor Detail
 Ø .625in [16mm]
 ▽ 2.0in
 2.25in

Anchor Pattern

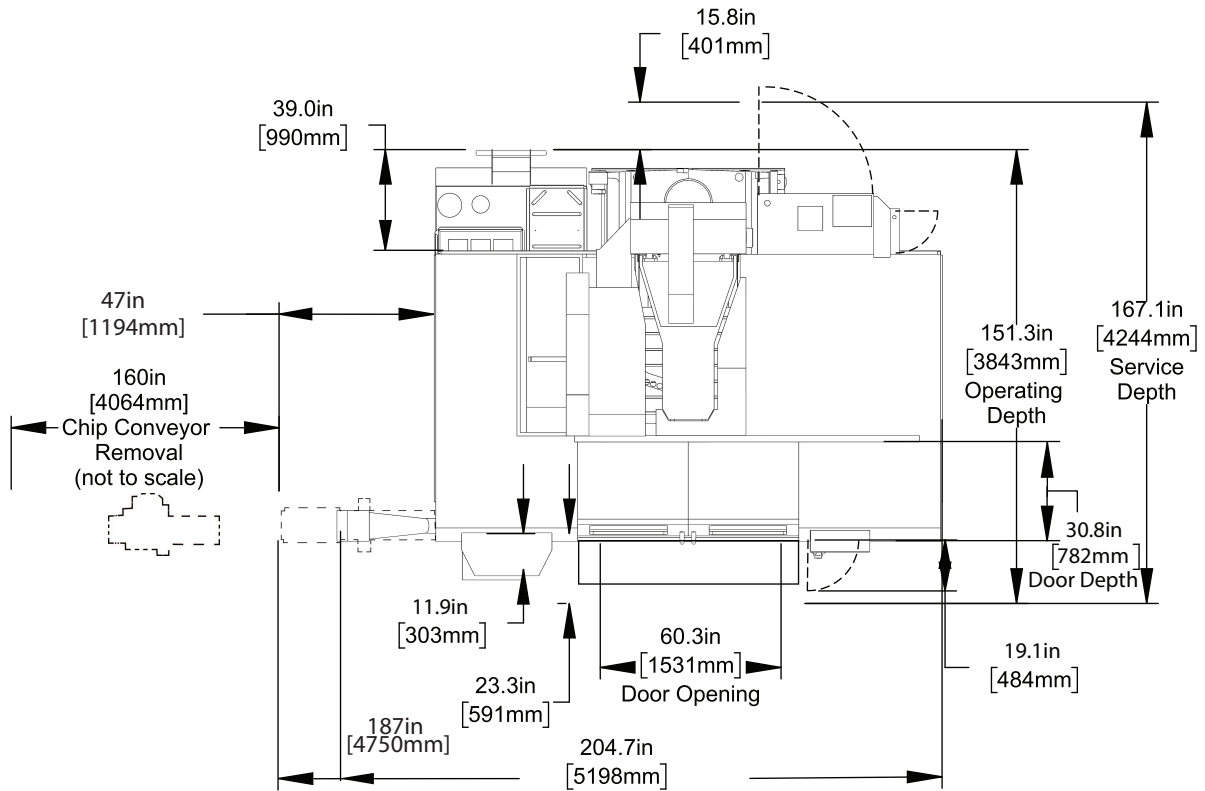
Note: For
 Machines built
 after Sept. 2023



Height Breakdown



Width And Depth 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

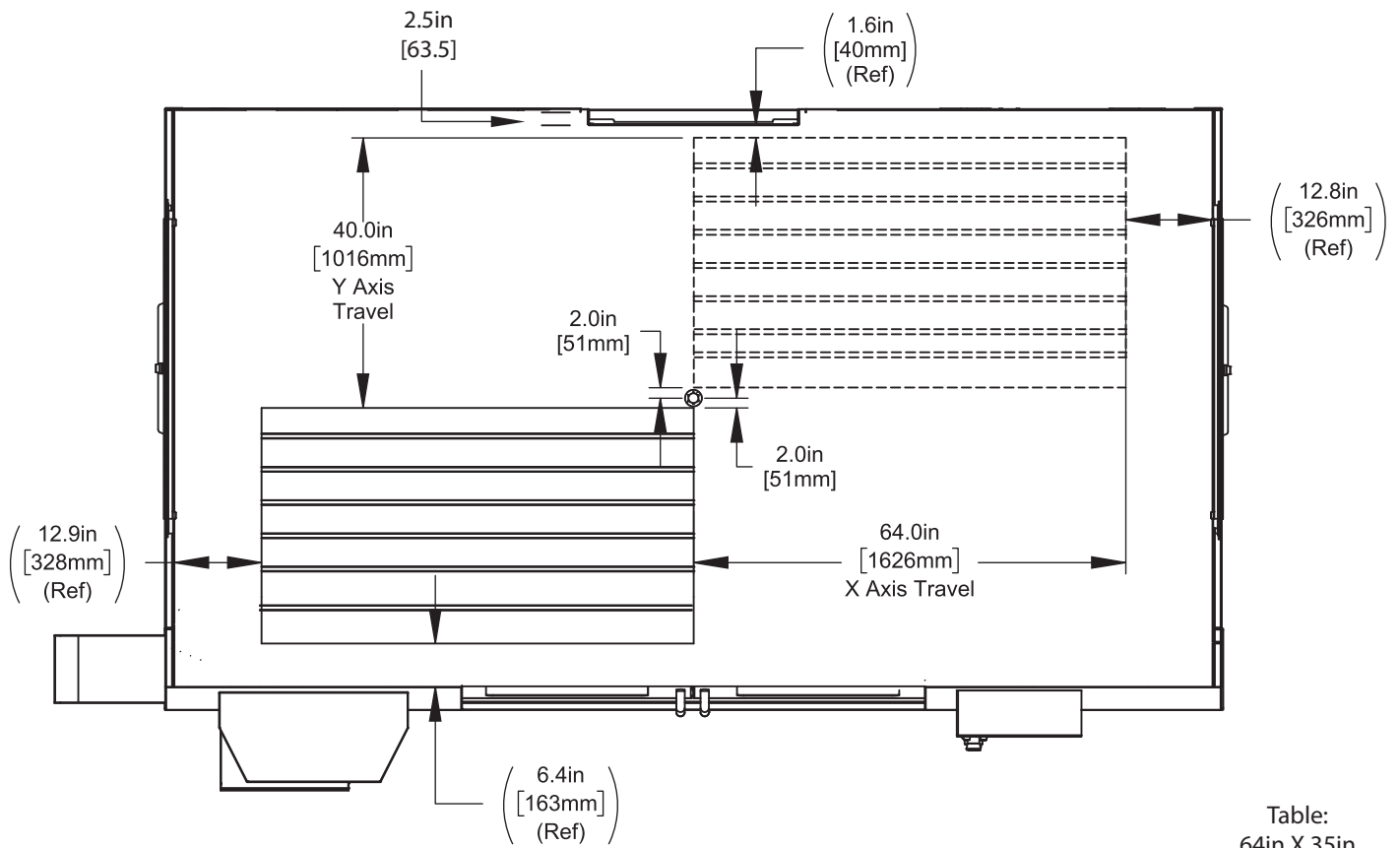
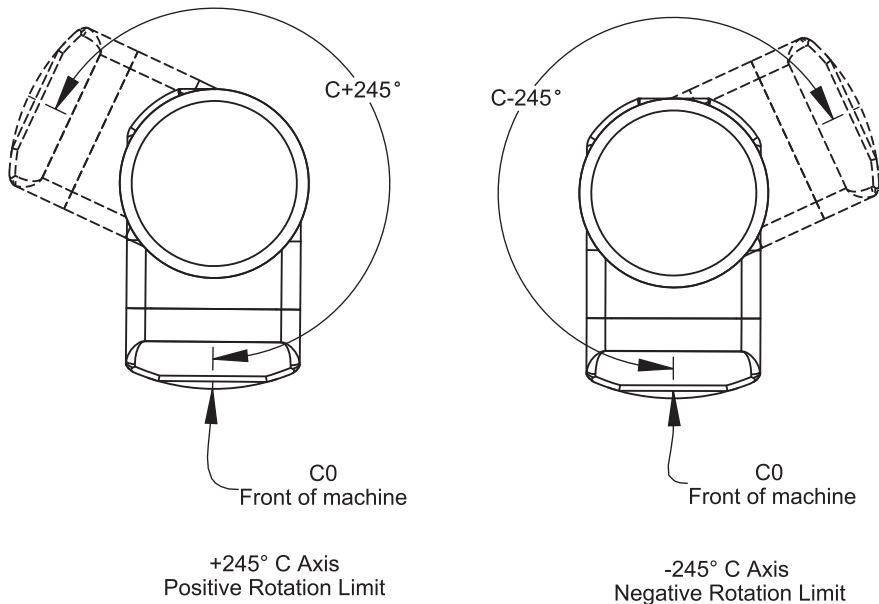


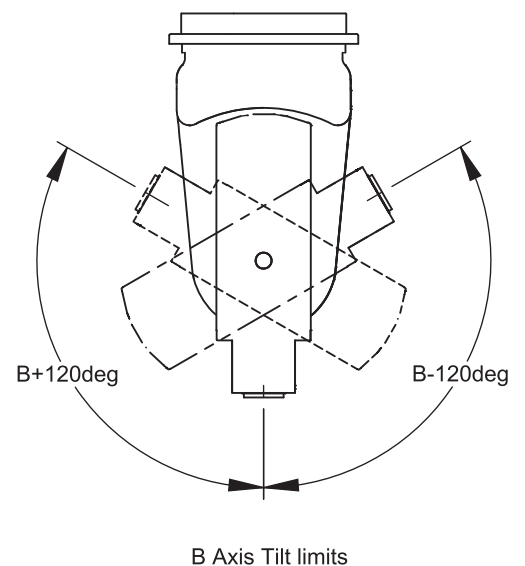
Table:
64in X 35in
1626mm X 914mm

B & C axis Travel

Top View STD Spindle Shown



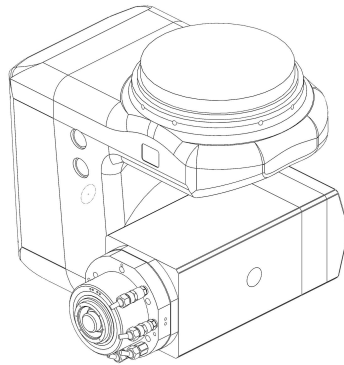
Side View



Isometric View of B & C Axis heads for visual reference

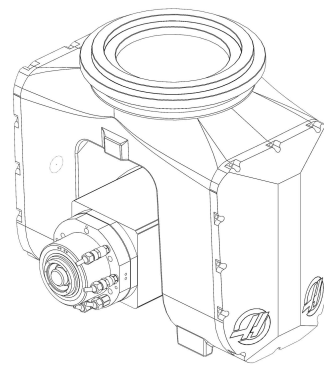
Gimbal

Single Support



Yoke

Dual Support



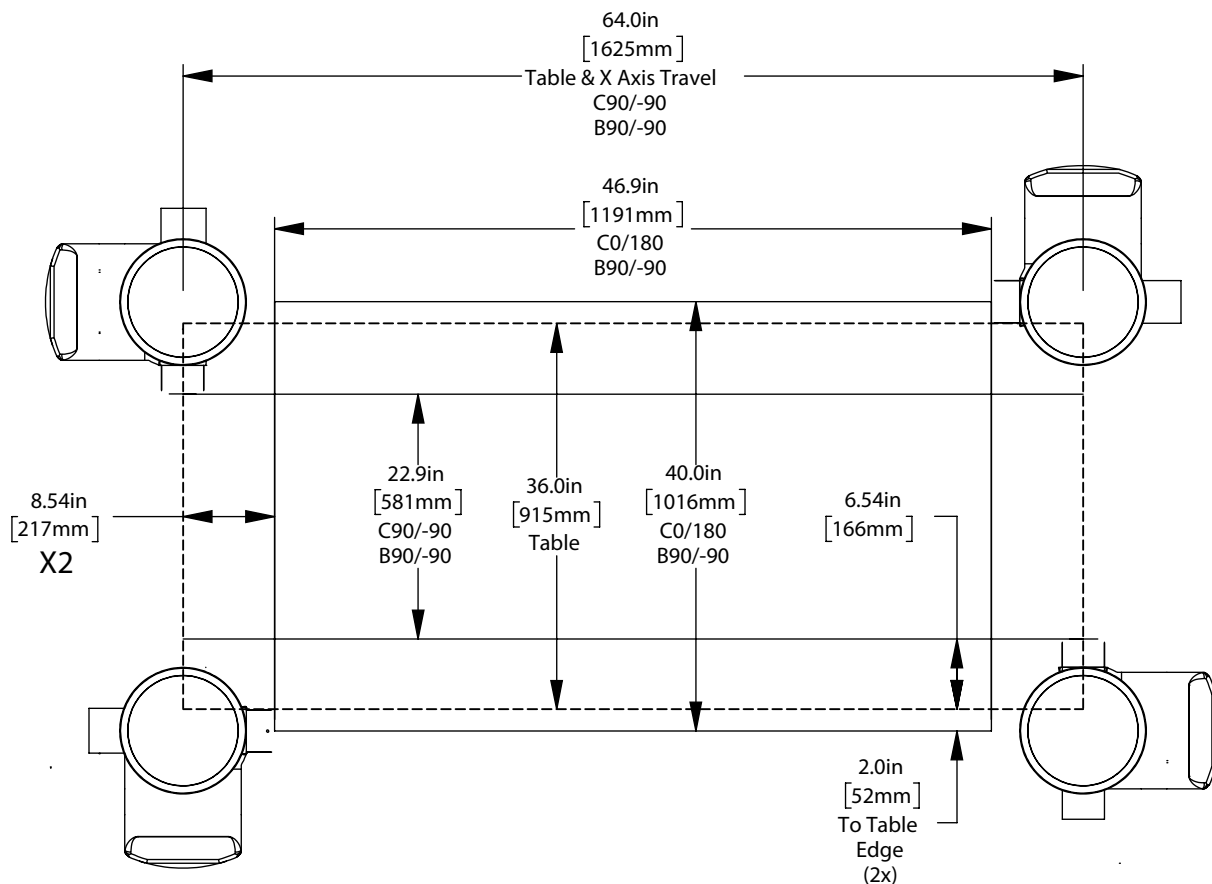
X&Y-Axis Clearance at B90 with C at 0, 90, -90, and 180
(Measurements applicable to both Single and Dual Supports)

Notes -

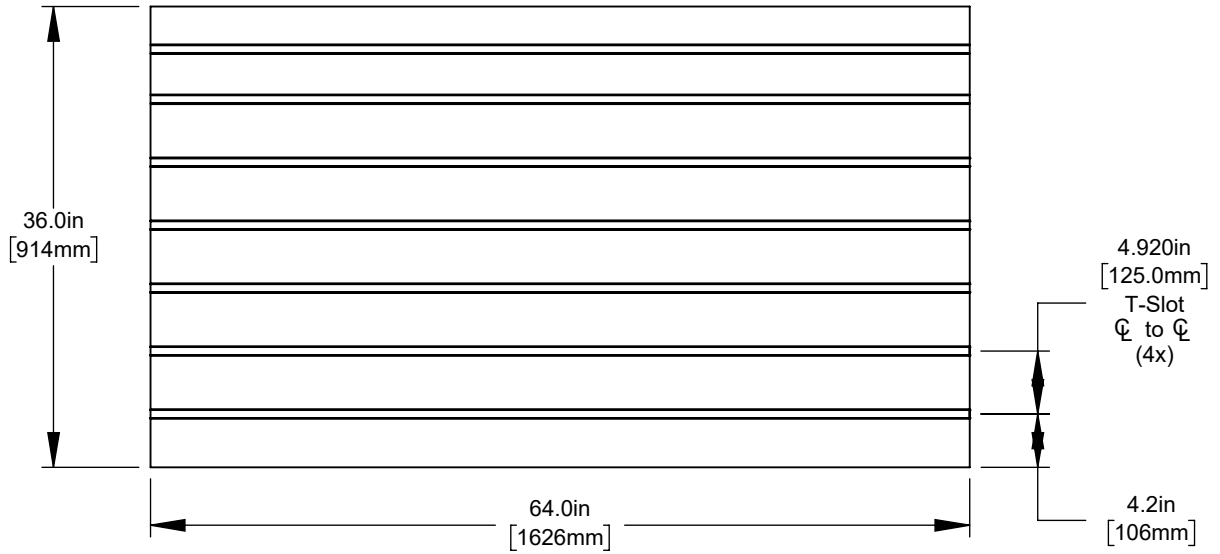
The schematic above shows the B90° work envelope with no tool in the spindle.

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.

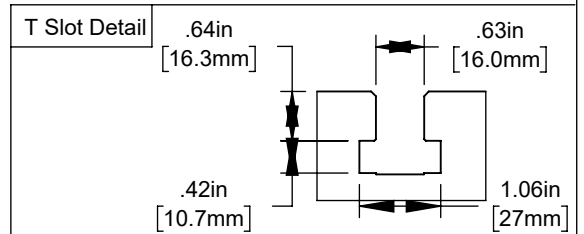
Subtract (the longest tool length required on each side of the part) + (clearance) from the travels shown below to determine the maximum size workpiece based on your tooling requirements



Table



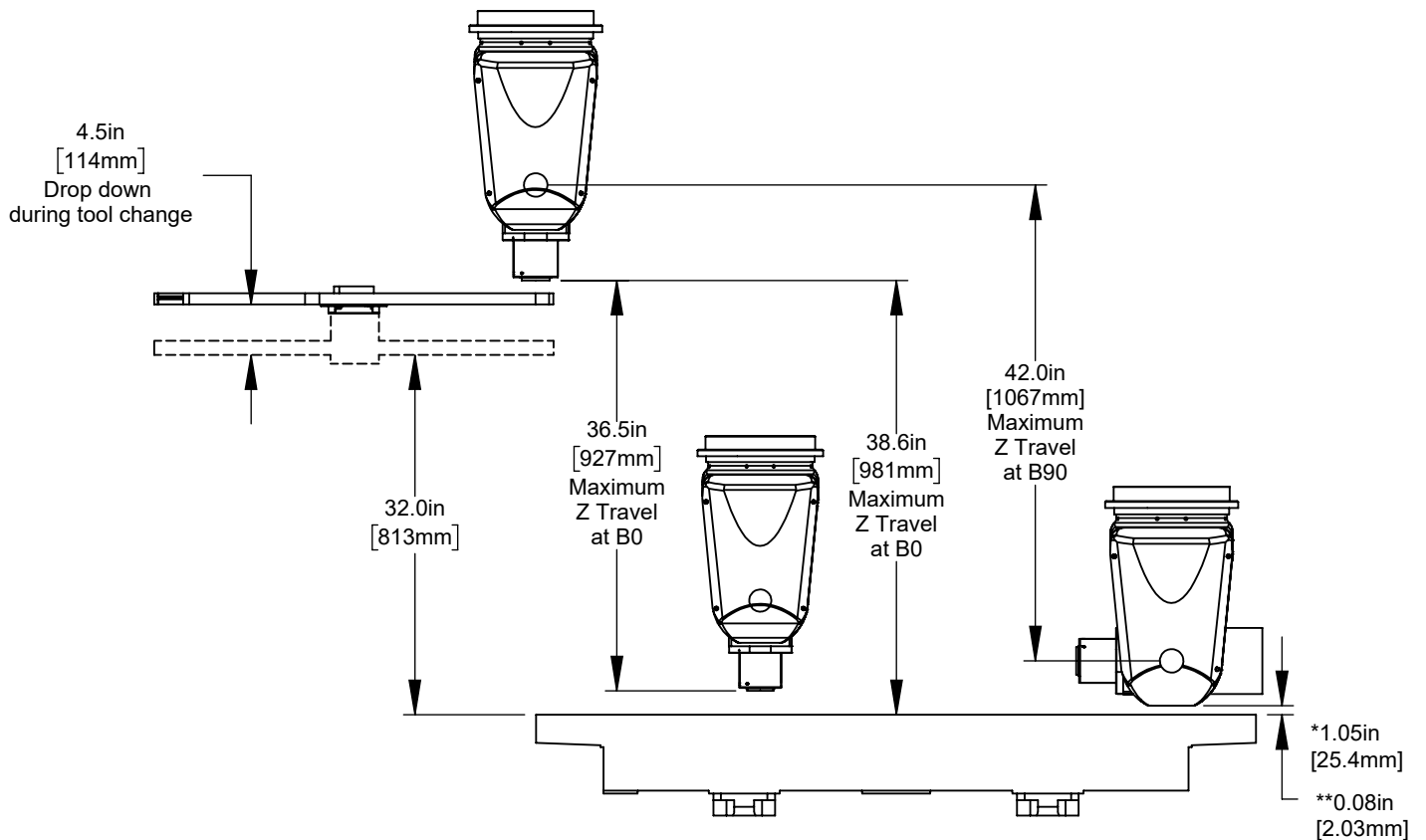
Slot Size	A	B	C	D	E	F
16mm	0.628±0.002	1.06±0.02	0.640±0.010	0.420±0.010	0.06x45°	0.020x45°



Measurements apply to both STD and Dual Support except where noted

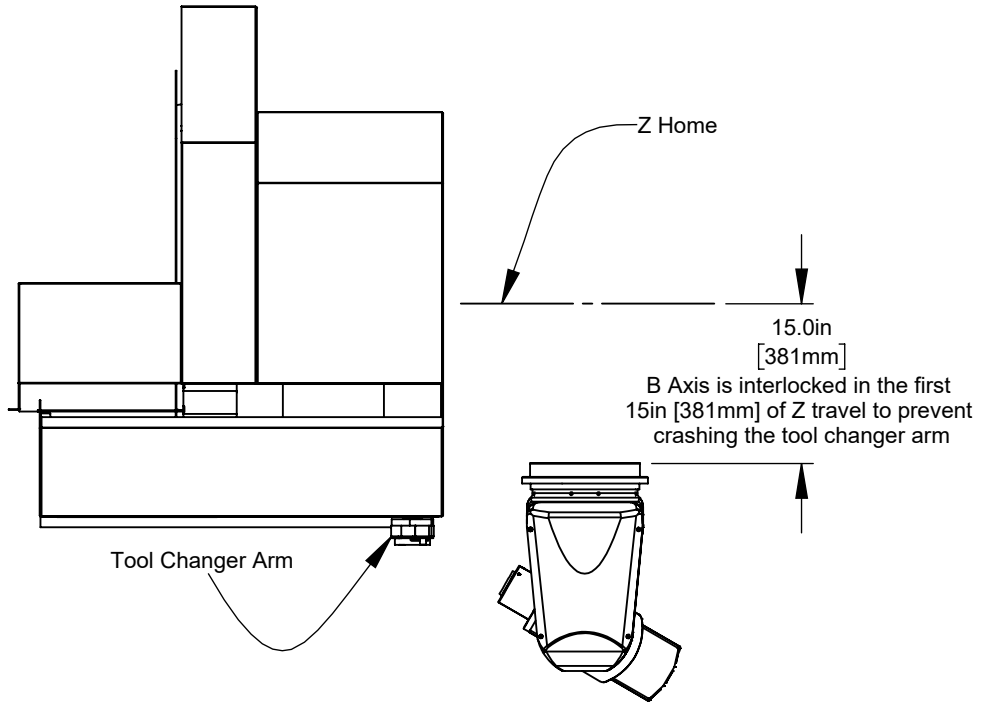
Tool Changer and Z Travel

*STD Spindle
**Dual Spindle



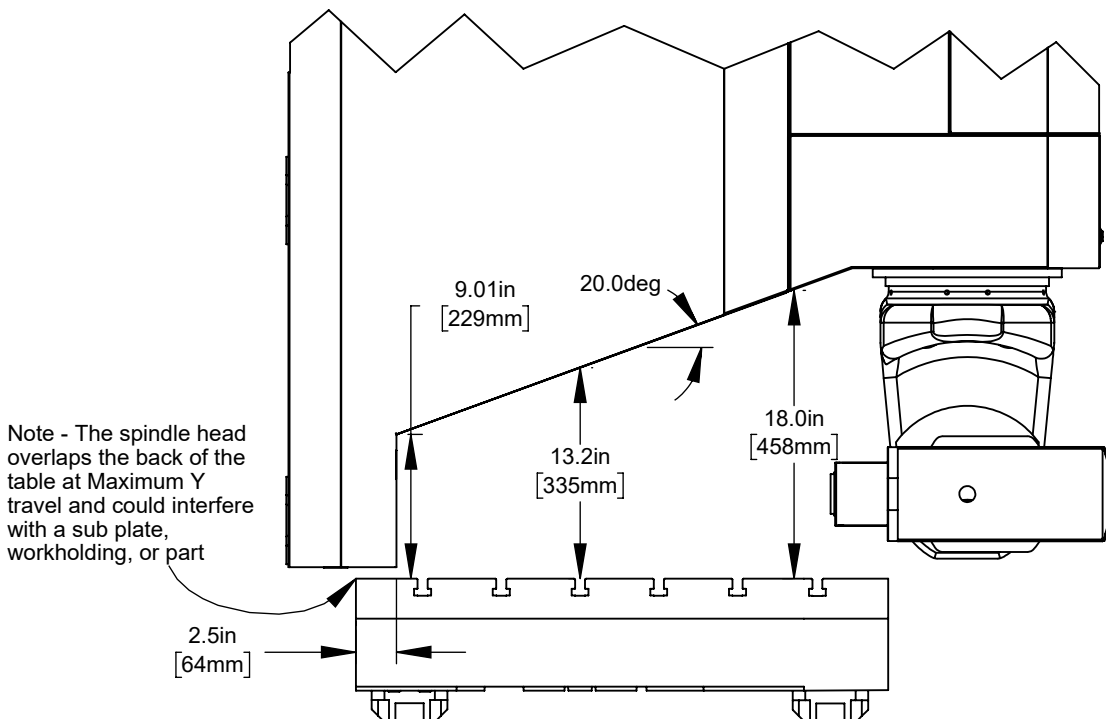
Interference and Interlock zones

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

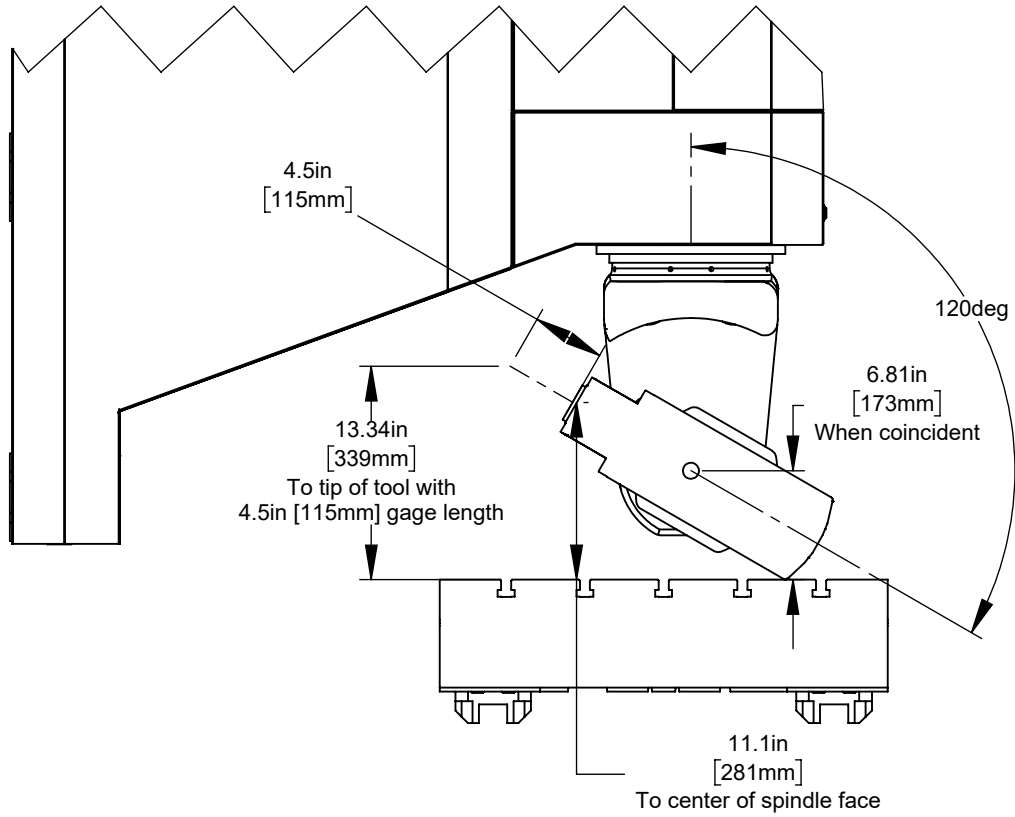


In addition to the tool changer interference zone, the machine has restricted zones between the gimbal head and fixed machine elements
 When Setting 408 = 1 the interference zones account for the tool length based on its Z geometry in the offset table
 When Setting 408 = 0 the tool length is not considered in the interference zones

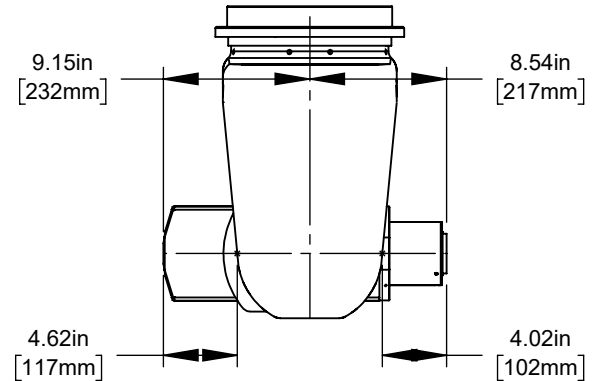
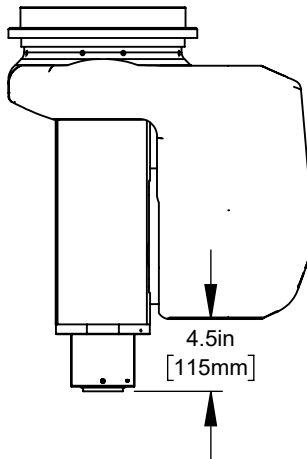
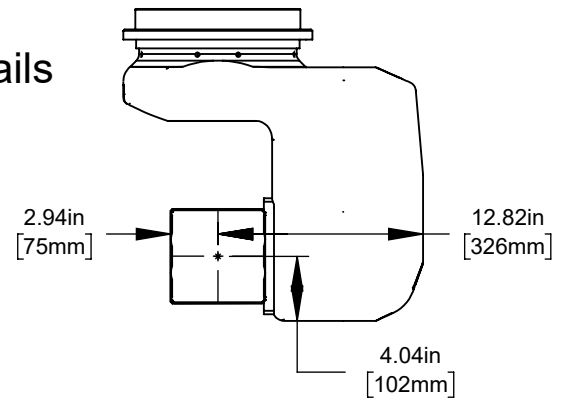
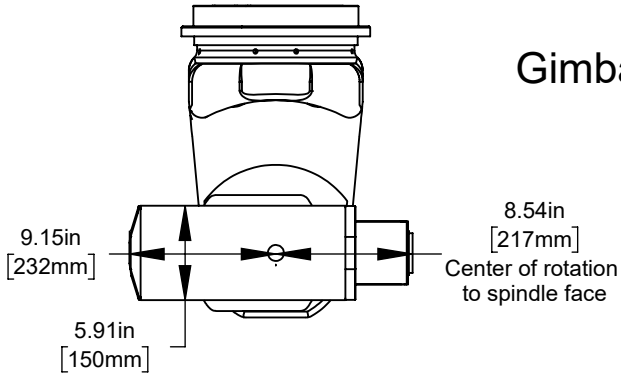
Potential interference at maximum Z travel with Z axis casting



Minimum Z height to reach B120°



Gimbal Head Details



Dual Support Yoke Head Details

