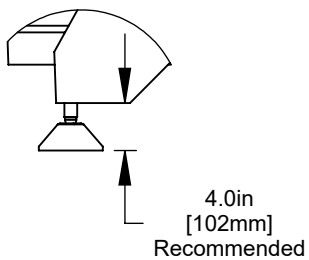
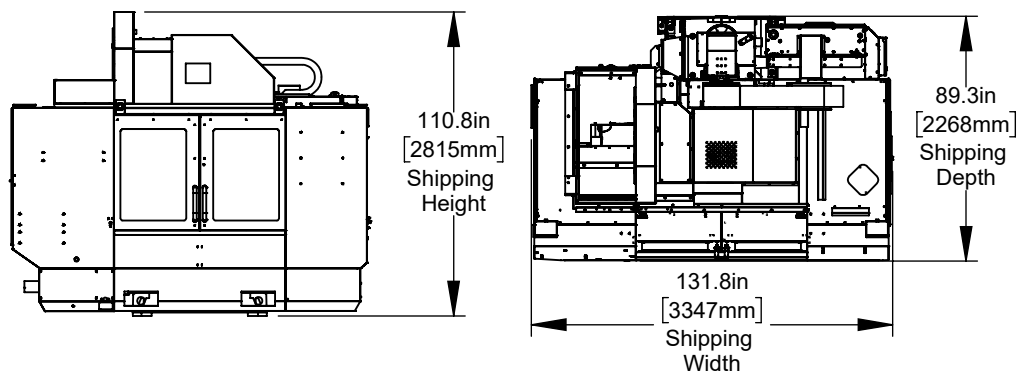
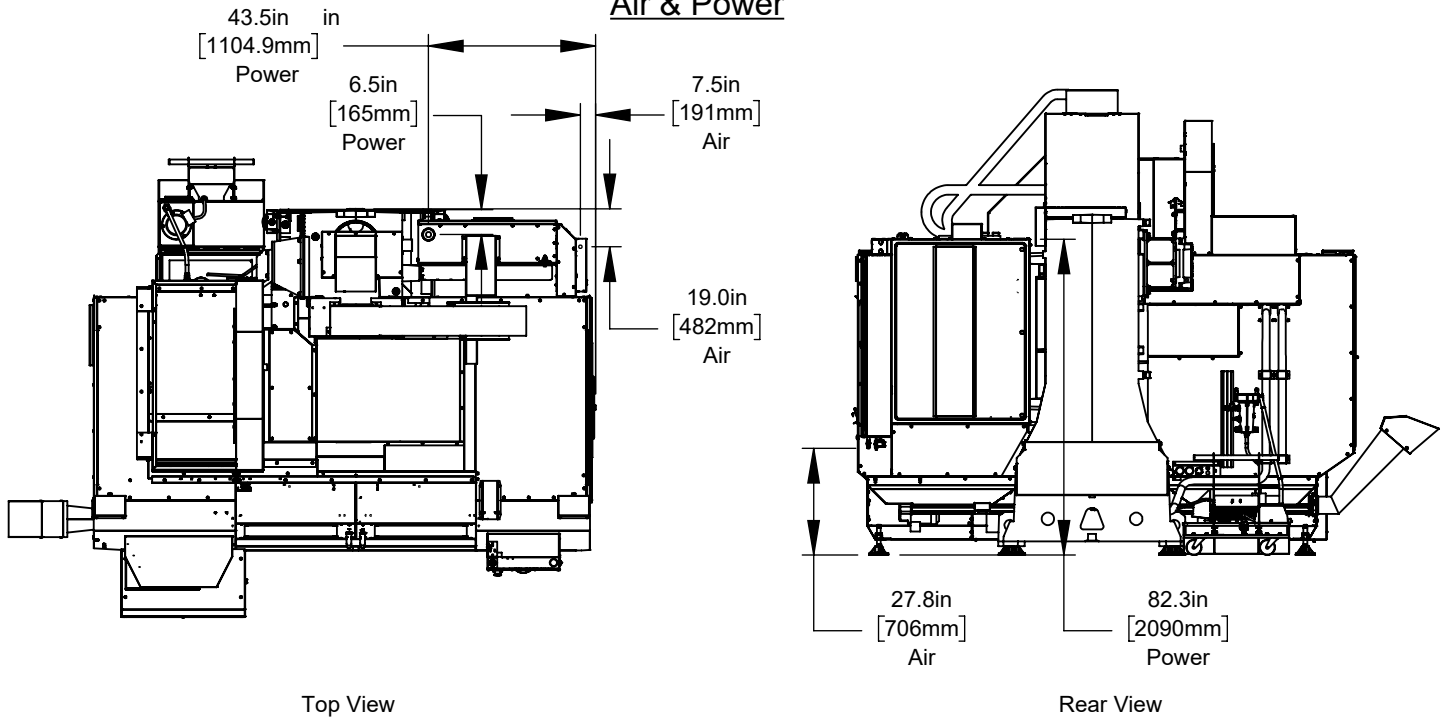


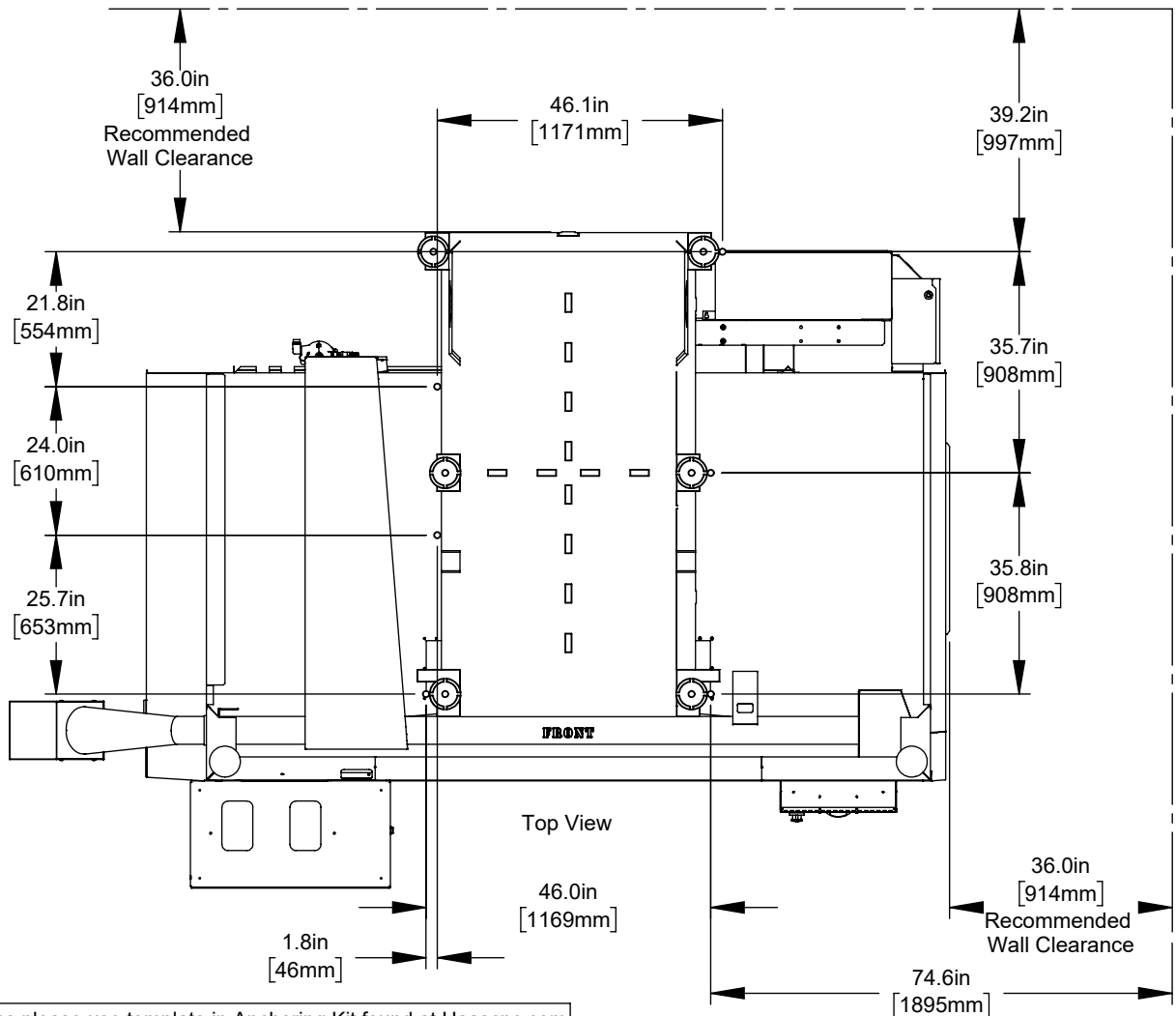
Shipping Dimensions



**Air & Power**

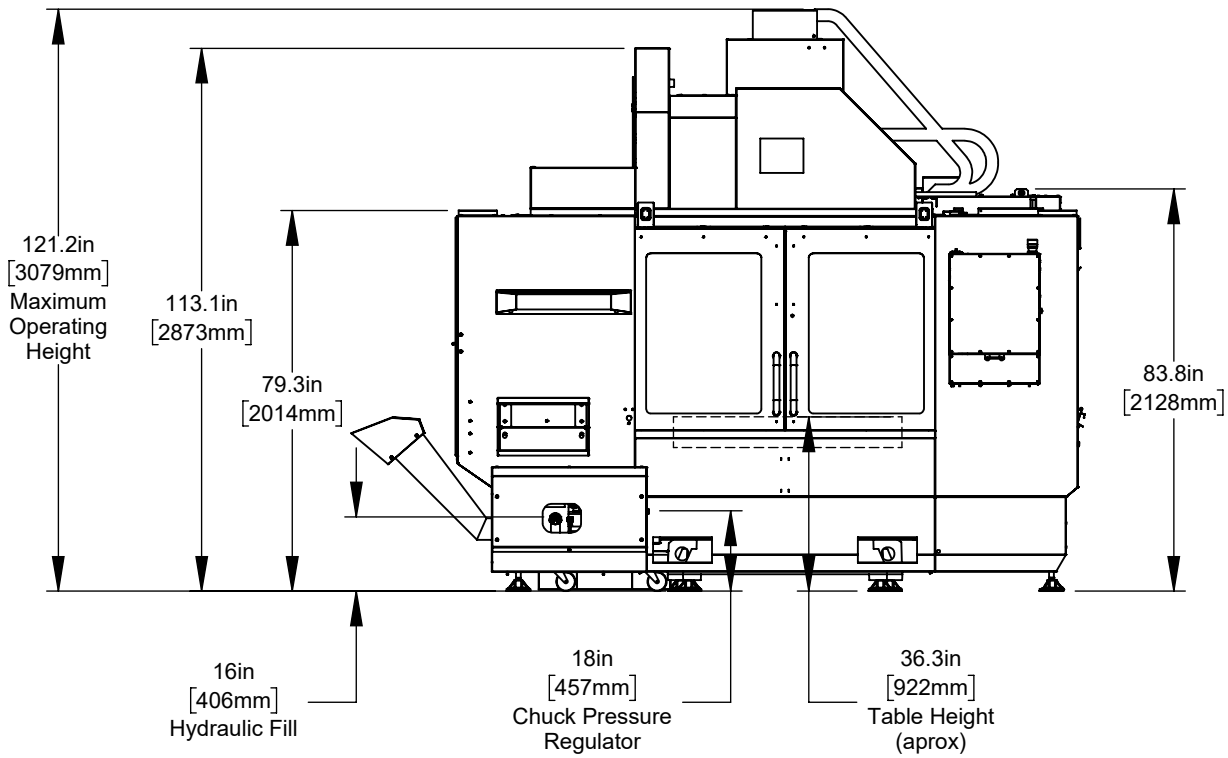


**Anchor Pattern**

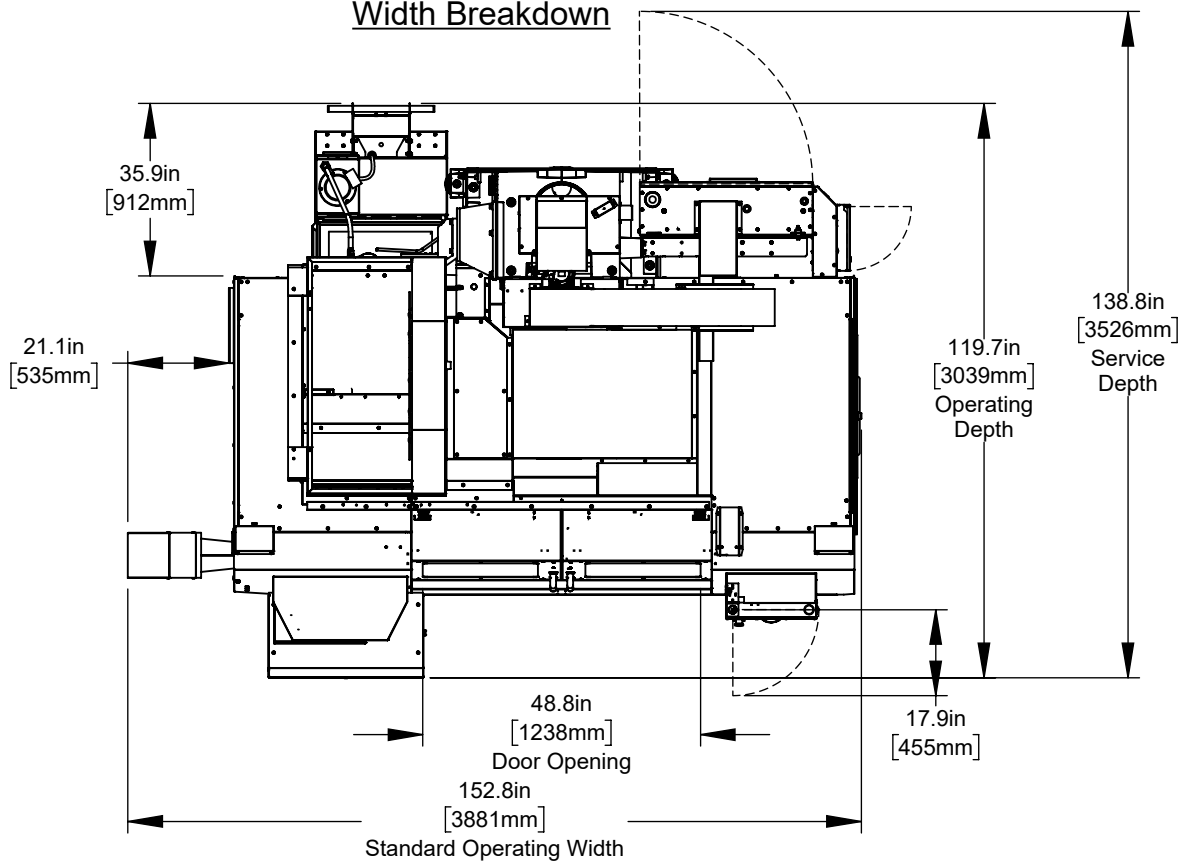


For precise locations please use template in Anchoring Kit found at Haascnc.com

Height Breakdown

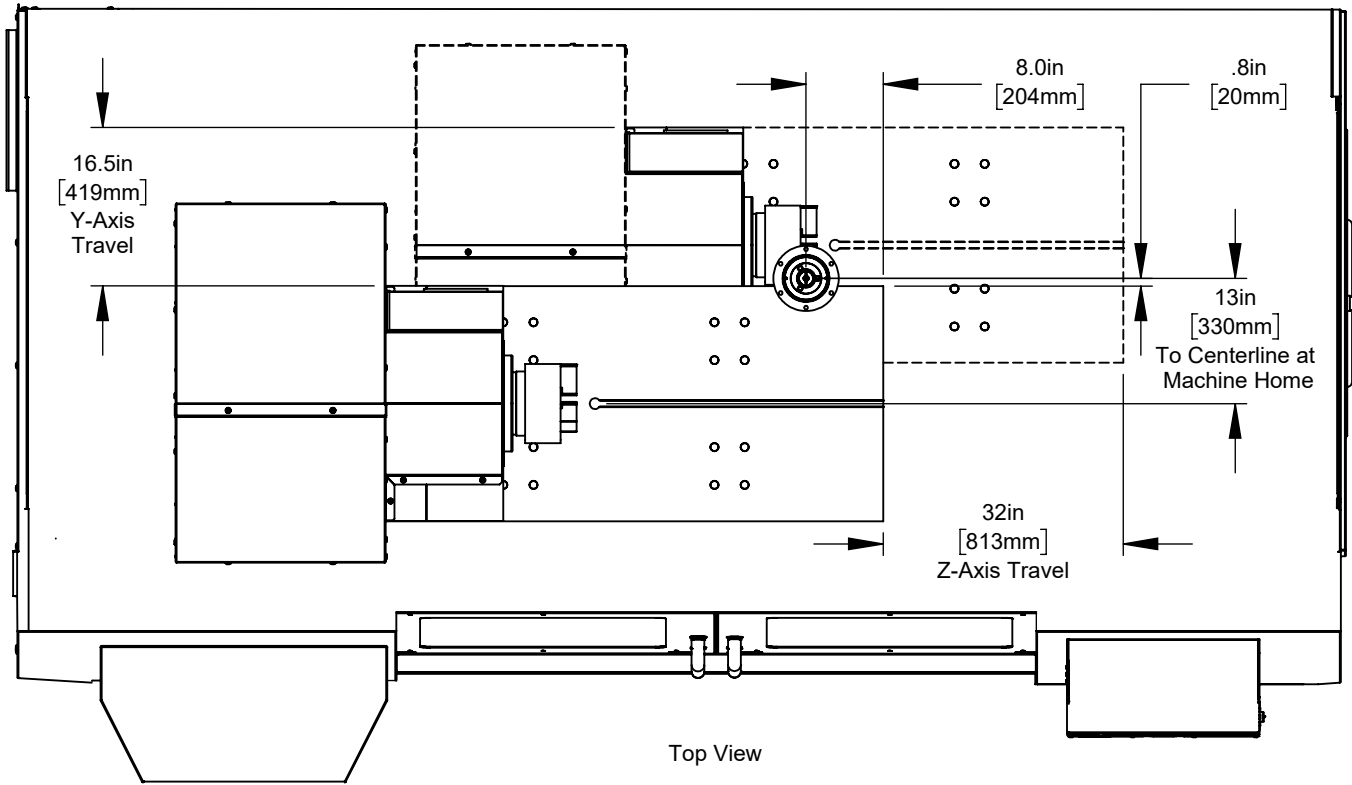


Width Breakdown

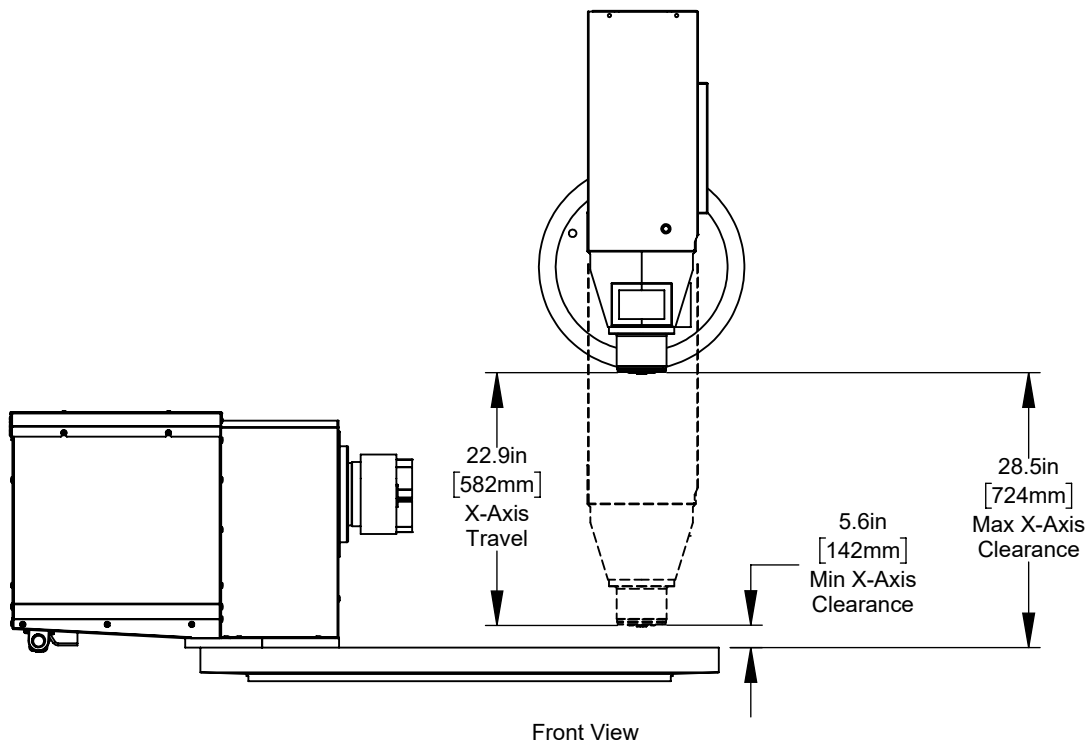


Maintain 3 feet [915mm] clearance to the nearest obstruction around all sides of machine perimeter for maintenance access

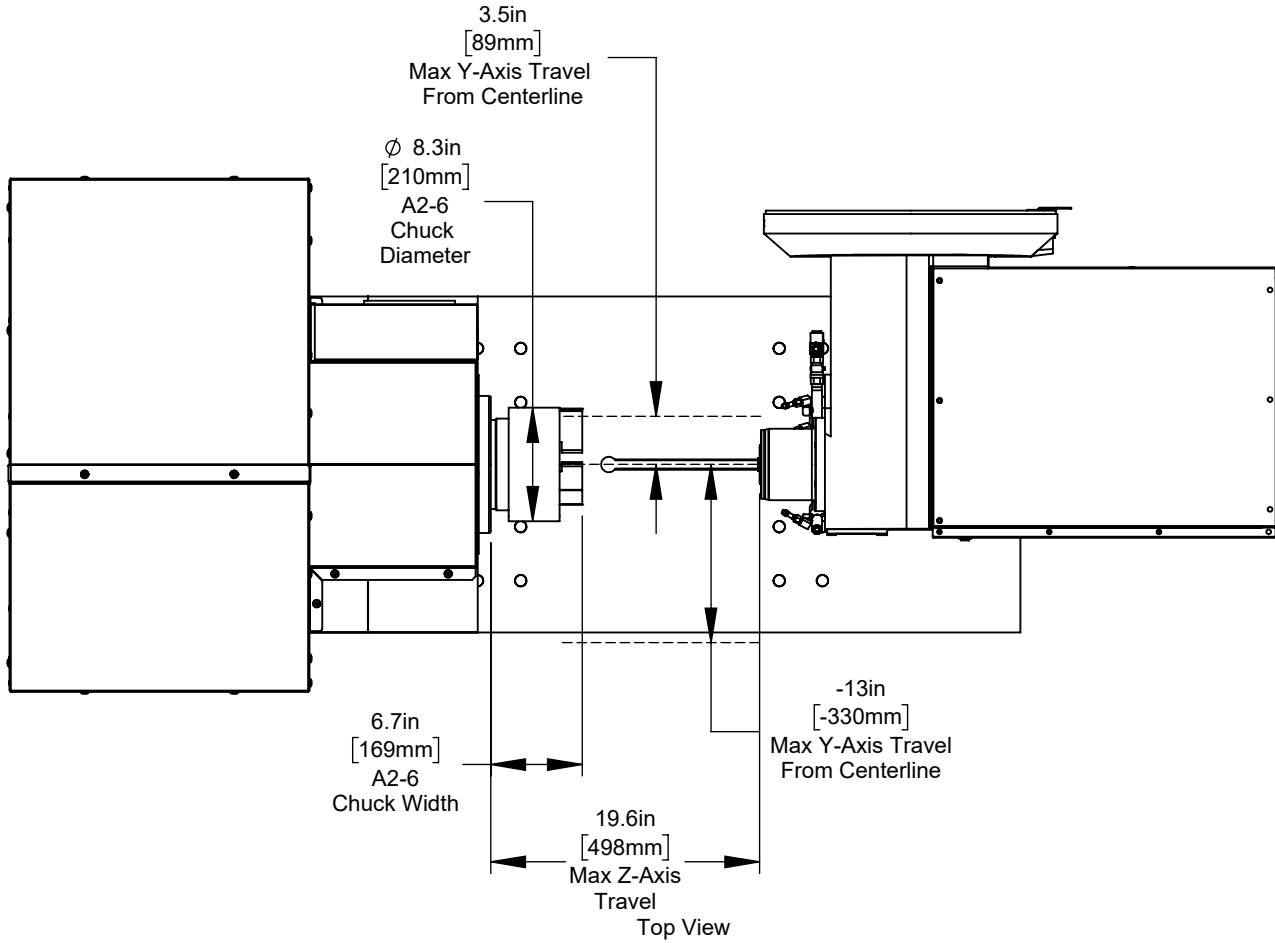
Y & Z-Axis Travel at B0



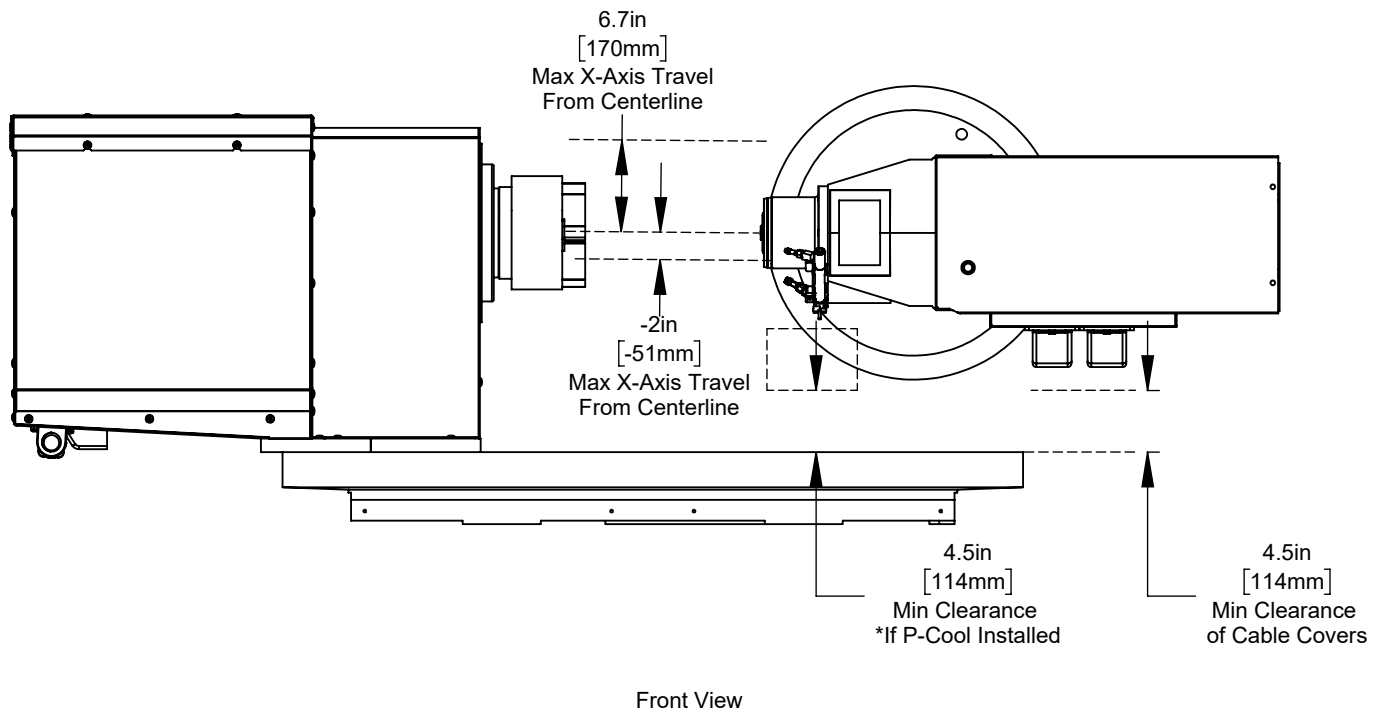
X-Axis Travel at B0



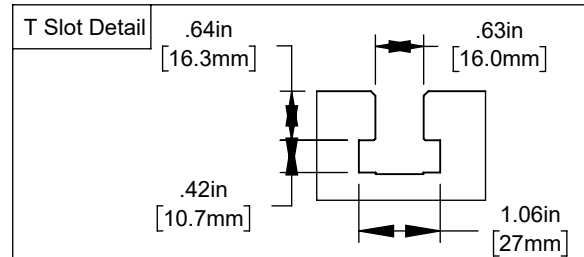
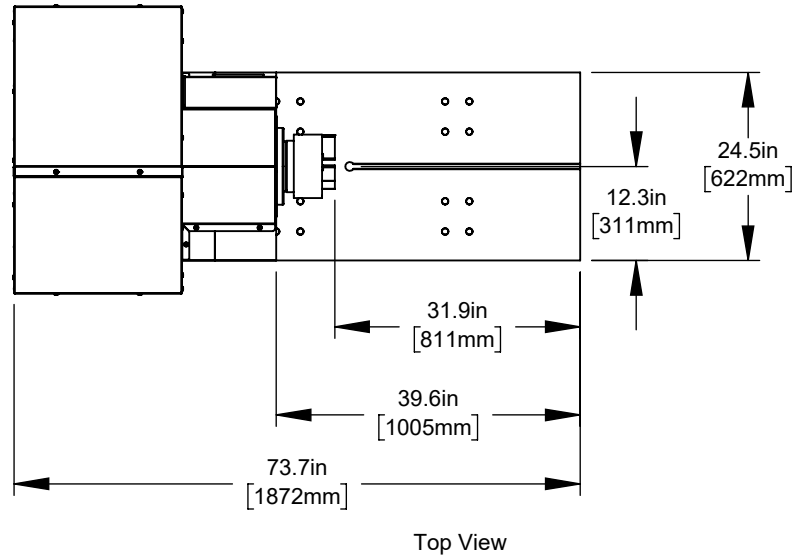
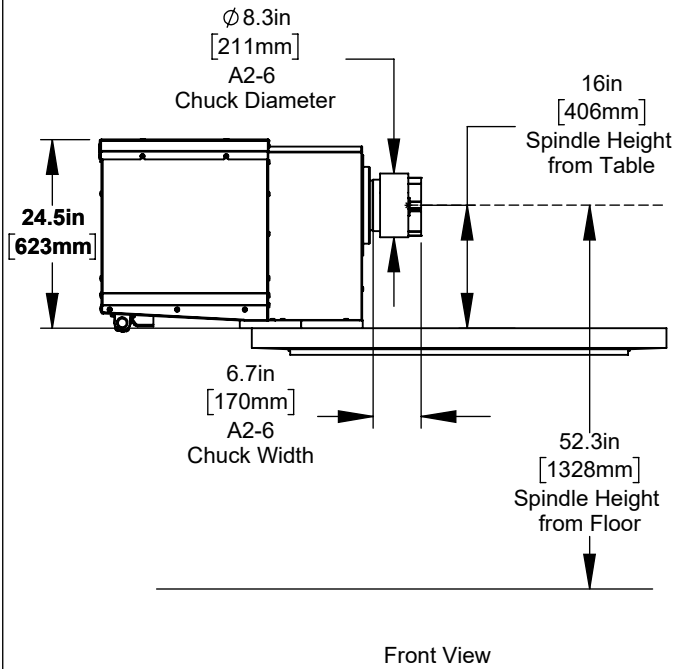
Y & Z-Axis Travel at B-90



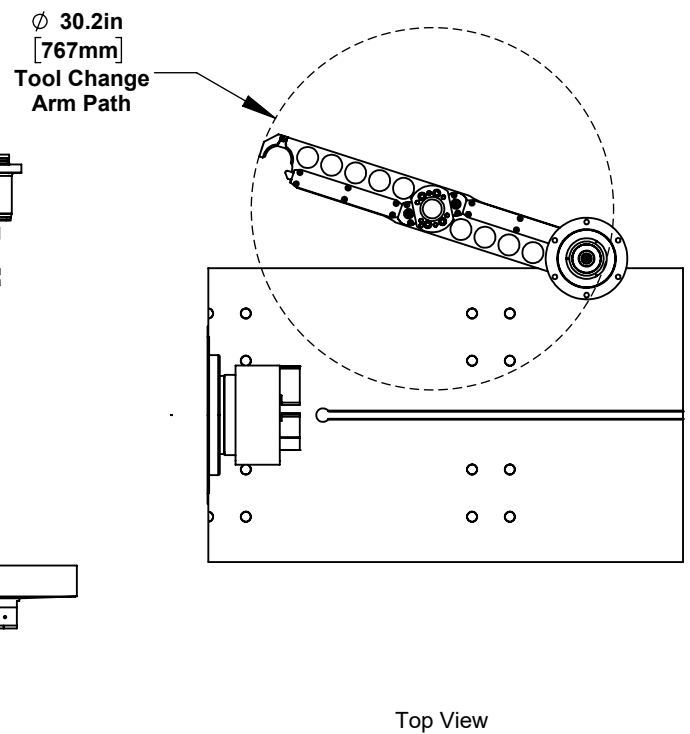
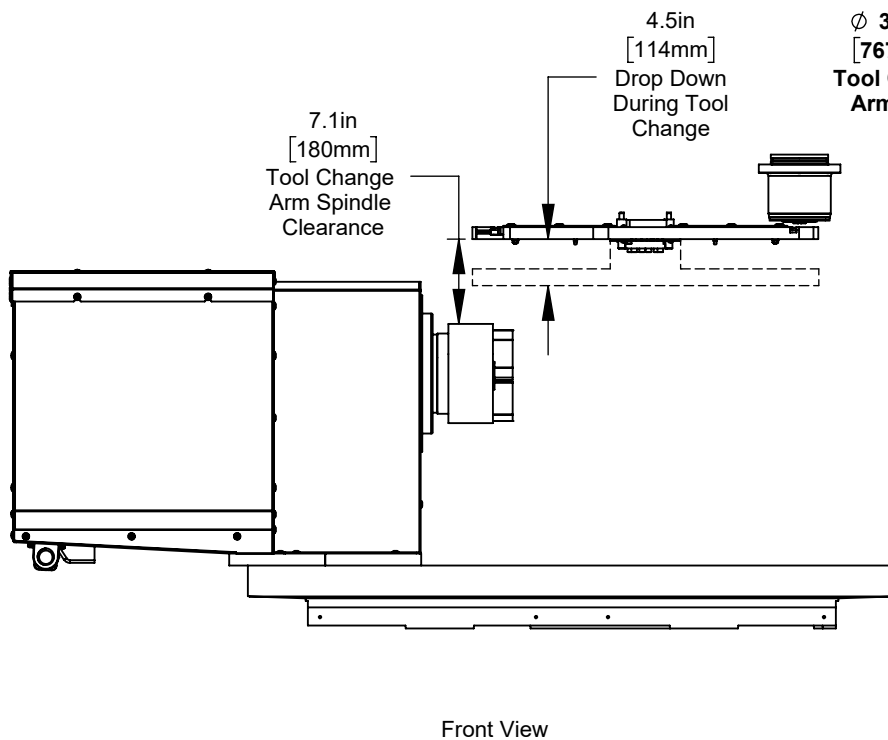
X-Axis Travel at B-90



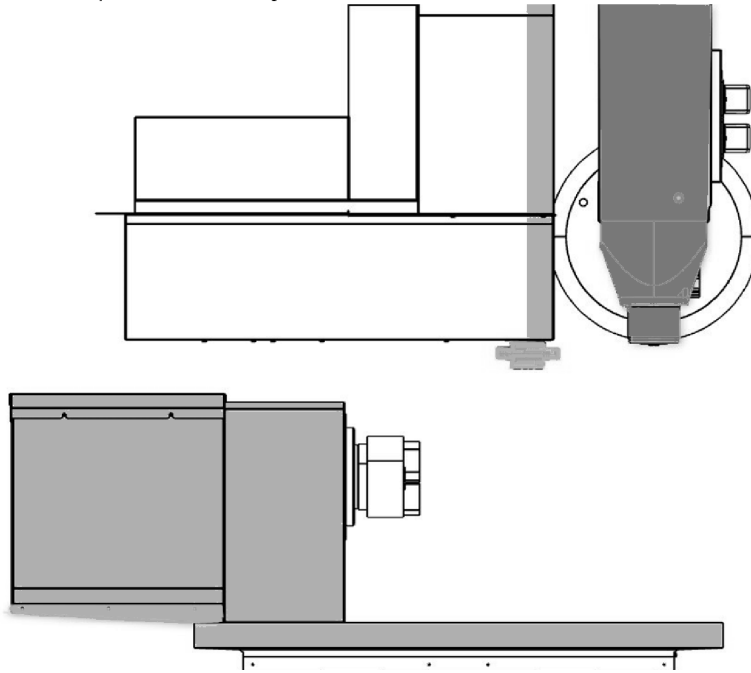
Table



Tool Changer Clearance



**Interference and Interlock zones**

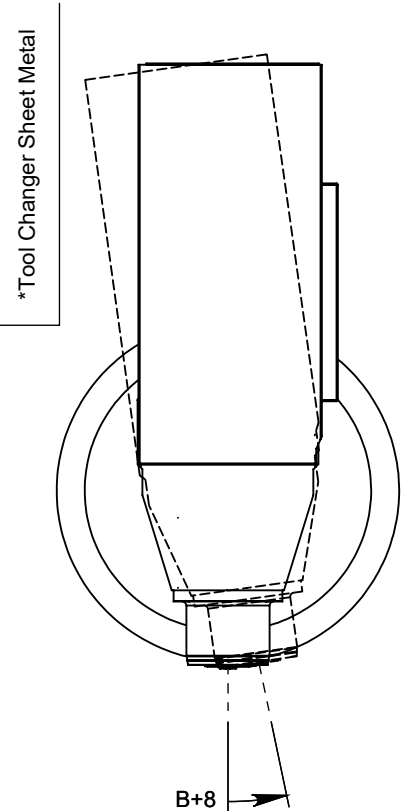
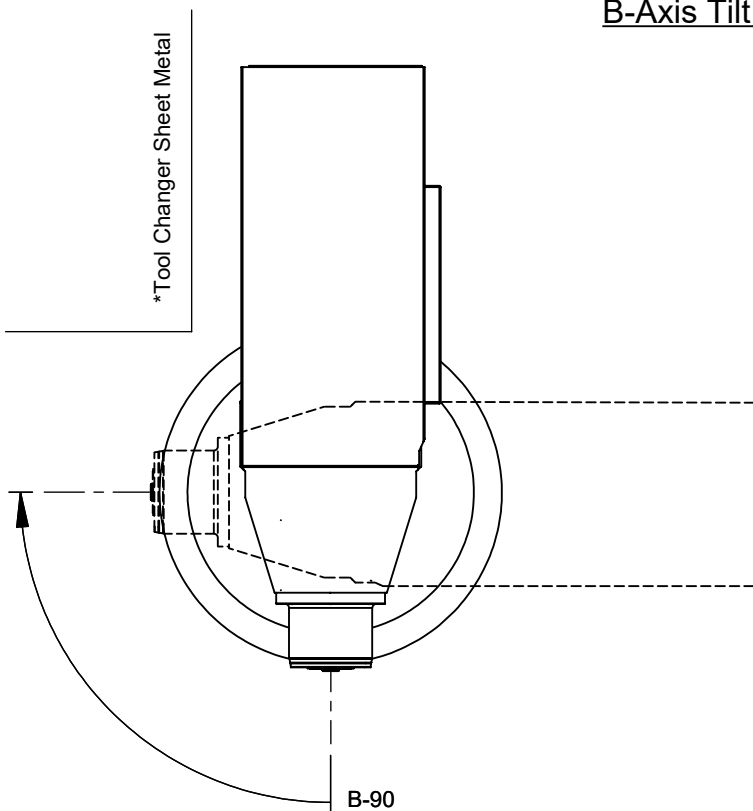


\*Shaded zones are programmed to not interfere with each other

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

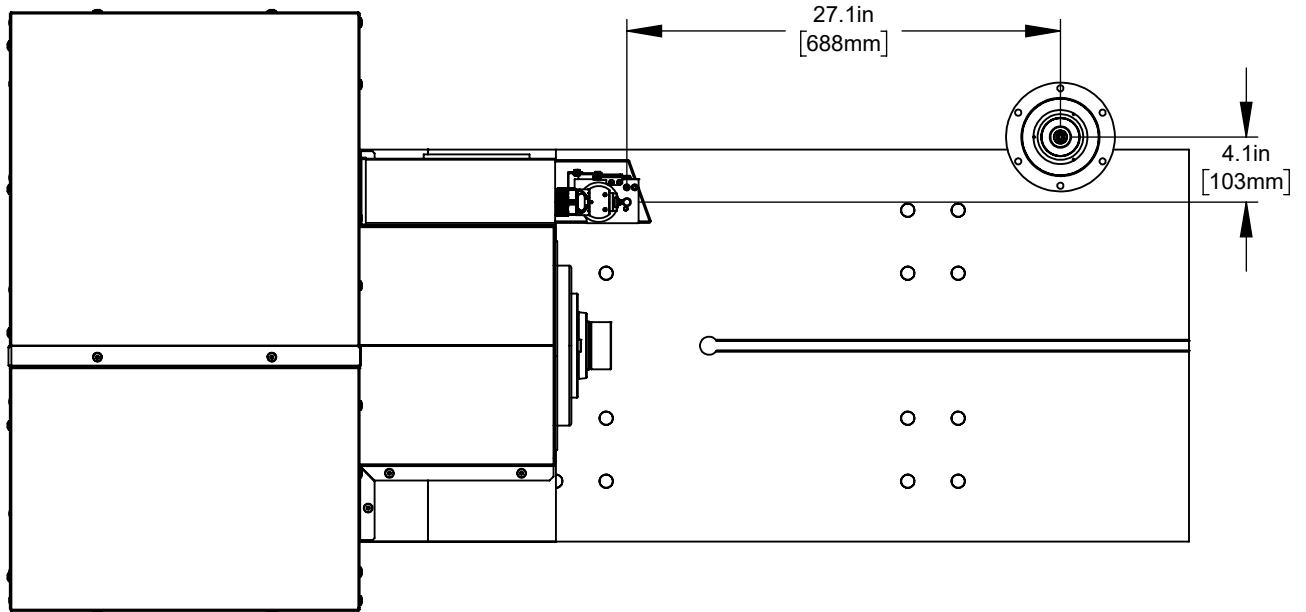
When Setting 408 = 1 the interference zones account for the tool length based on its X geometry in the offset table  
 When Setting 408 = 0 the tool length is not considered in the interference zones

**B-Axis Tilt Limits**



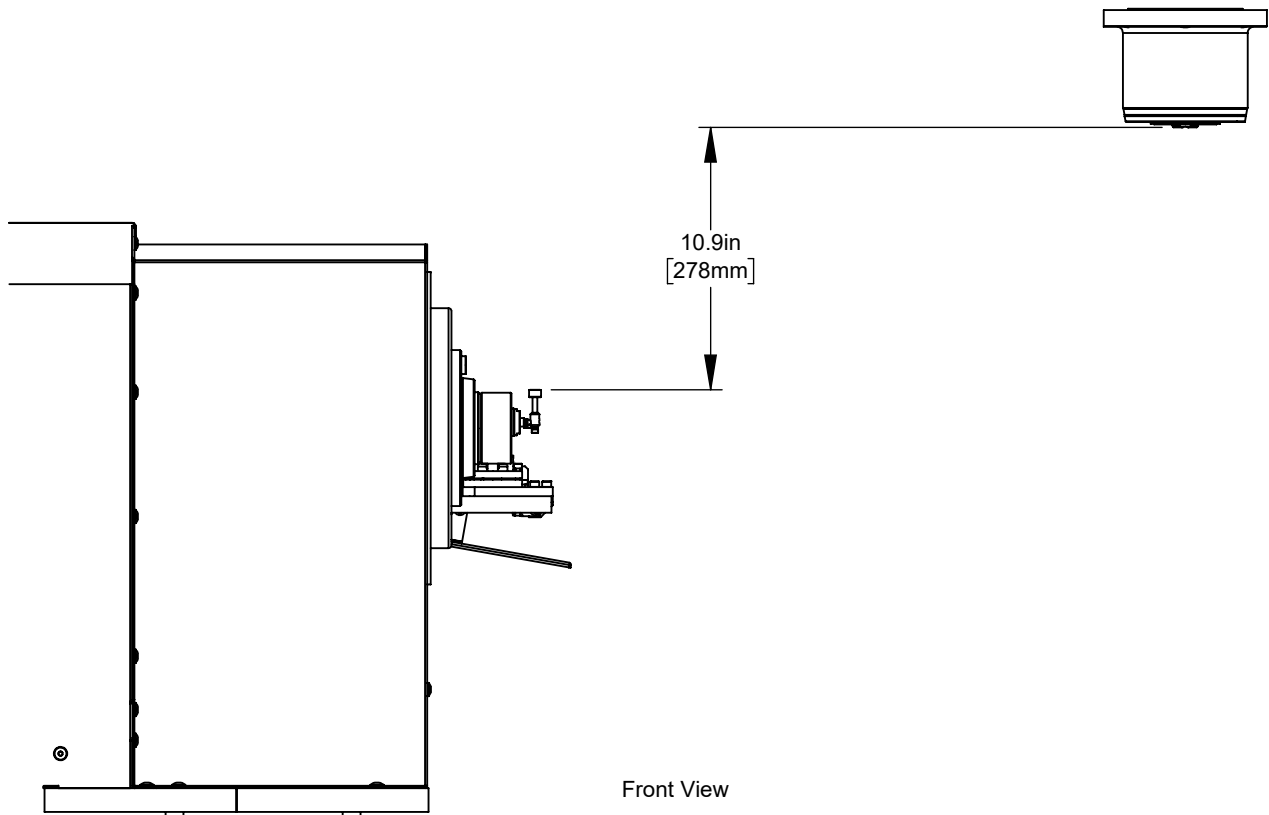
Front View

**Retractable Tool Probe X-Axis Clearance**



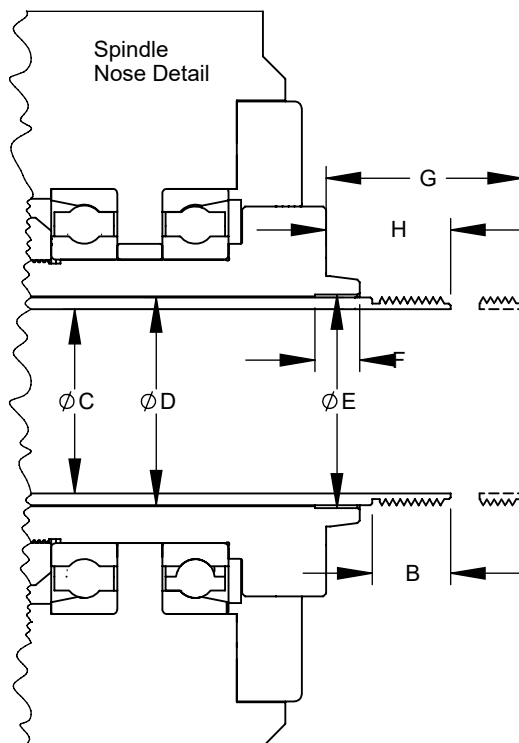
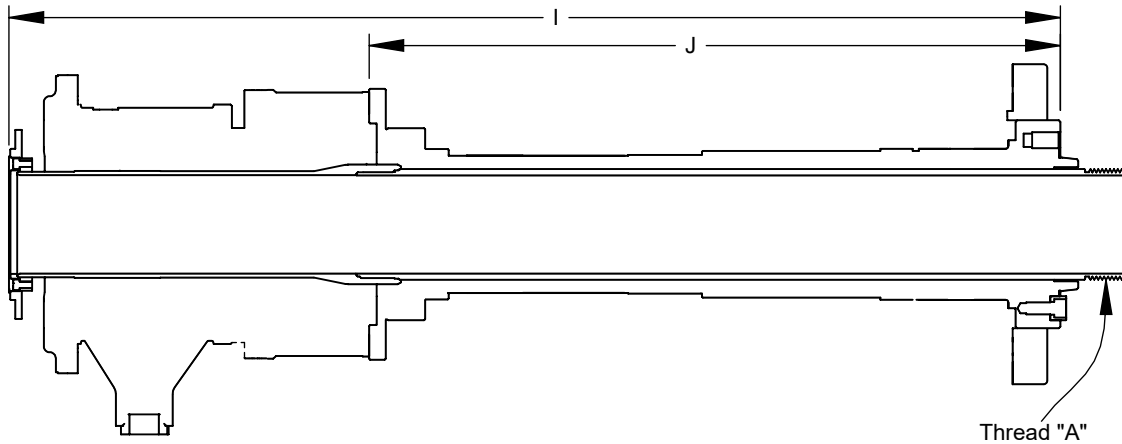
Top View

**Retractable Tool Probe X-Axis Clearance**

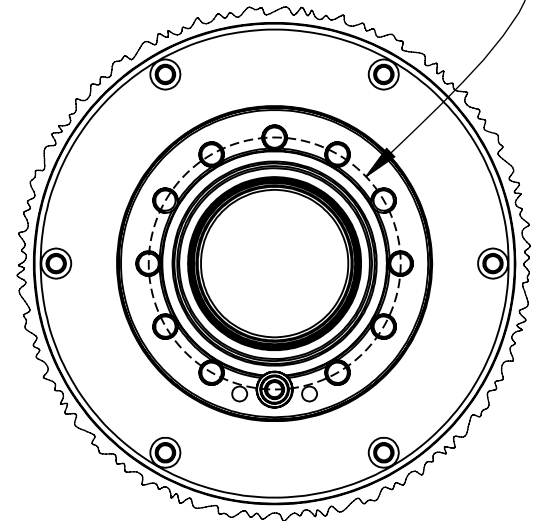


Front View





BHC and Spindle Nose dimensions per American Standard Bulletin ASA B5.9 1960



The following dimensions should be used as a reference only. Haas uses many different vendors for our drawtube assemblies. If any custom workholding is required Haas recommends you retrieve the exact dimensions from your delivered machine.

DESCRIPTION	DIMENSION	VMT-750	
		SAE	METRIC
MAIN OR SUB SPINDLE & TYPE		Main / <b>A2-6</b>	
DIAMETER OF THREAD	A	2.95"	75 MM
THREAD PITCH	A	0.0787"	2.0 MM
INTERNAL OR EXTERNAL	A	External	
LENGTH OF THREAD	B	1.36"	34.54 MM
DRAWTUBE INNER DIAMETER	C	2.56"	65 MM
DRAWTUBE OUTER DIAMETER	D	3.03"	76.96 MM
COUNTERBORE INNER DIAMETER	E	3.52"	89.4 MM
COUNTERBORE DEPTH	F	0.75"	19.05 MM
DRAWTUBE EXTENDED DISTANCE	G	2.496"	63.4MM
DRAWTUBE RETRACTED DISTANCE	H	1.372"	34.8MM
SPINDLE FACE TO BACK OF UNION	I	33.53"	851.67 MM
SPINDLE FACE TO UNION ADAPTOR	J	22.53"	572.3 MM