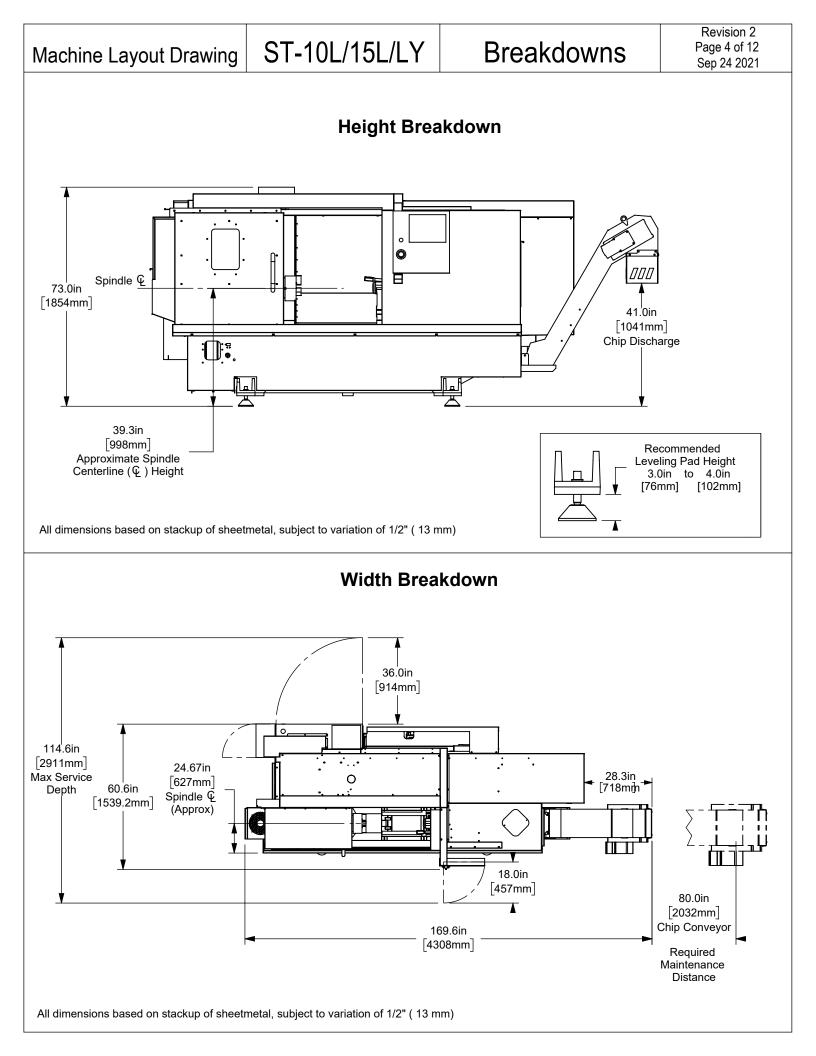
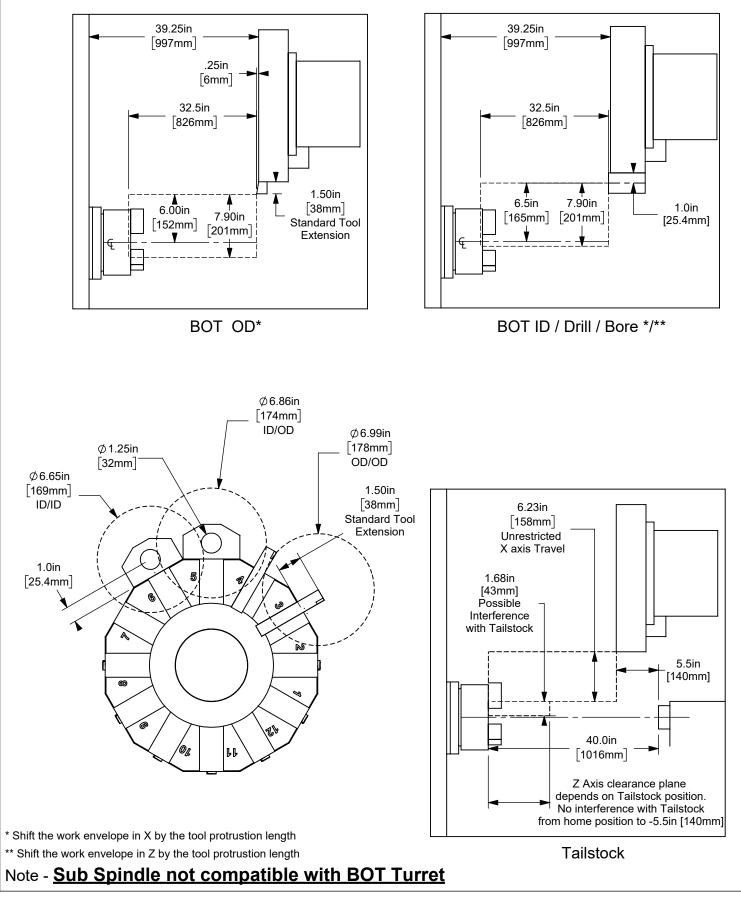


Anchor Pattern Provided with Purchase of Haas Anchoring Kit



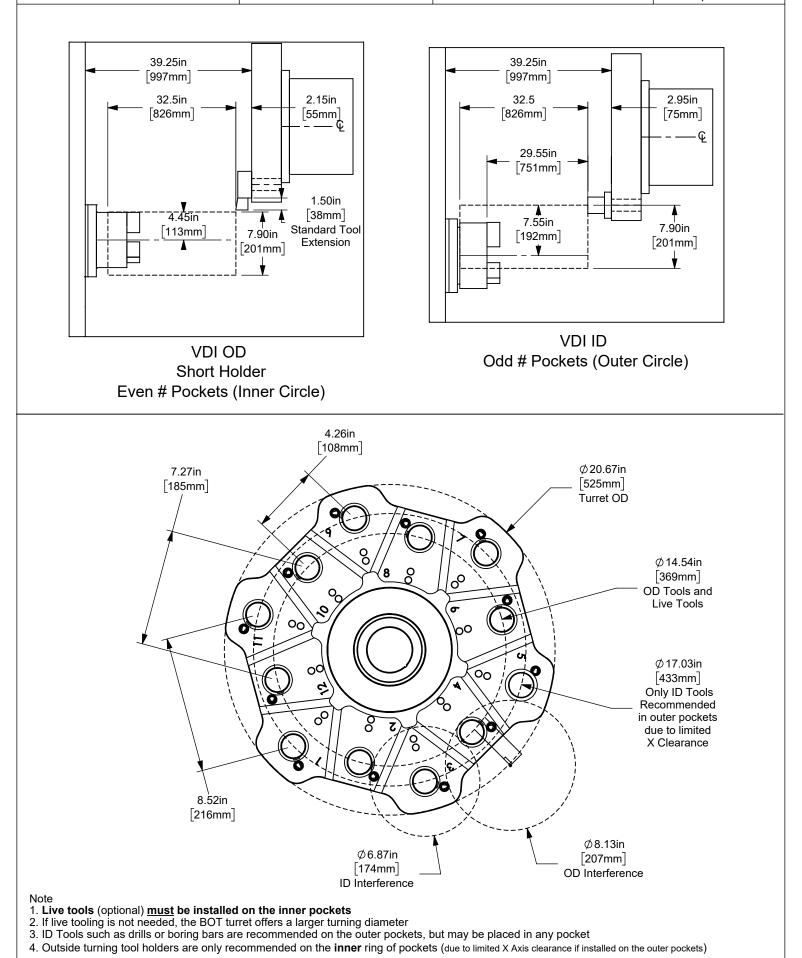
Machine Layout Drawing

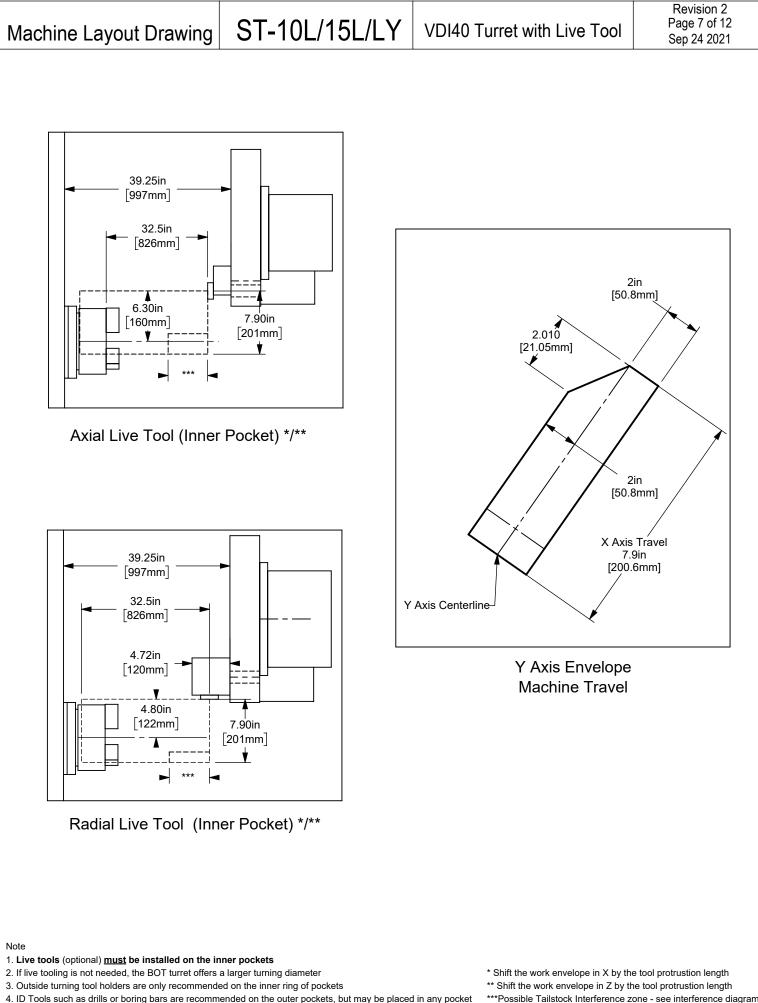


Specifications subject to change at any time without notice

ST-10L/15L/LY

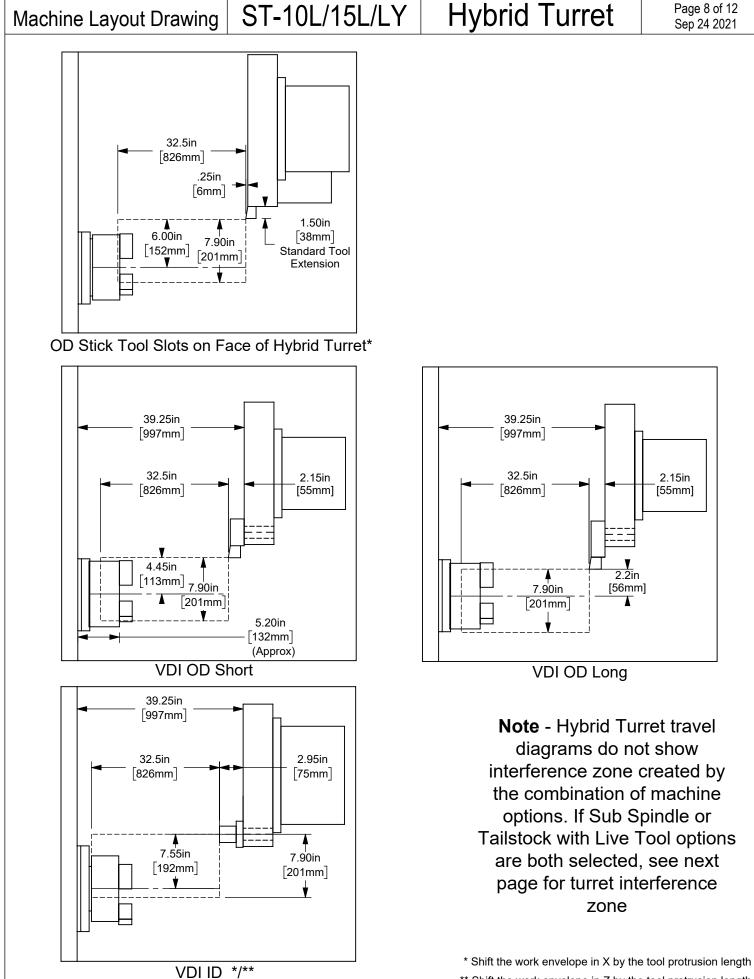
VDI40 Turret without Live Tool





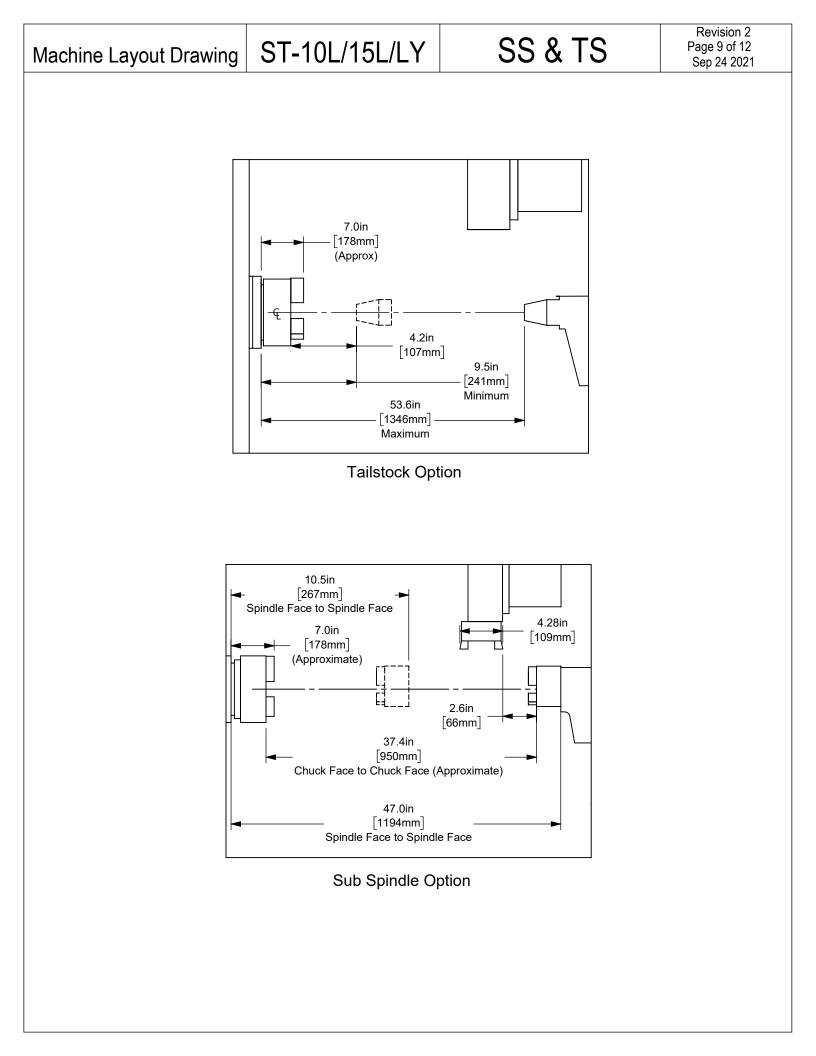
Specifications subject to change at any time without notice

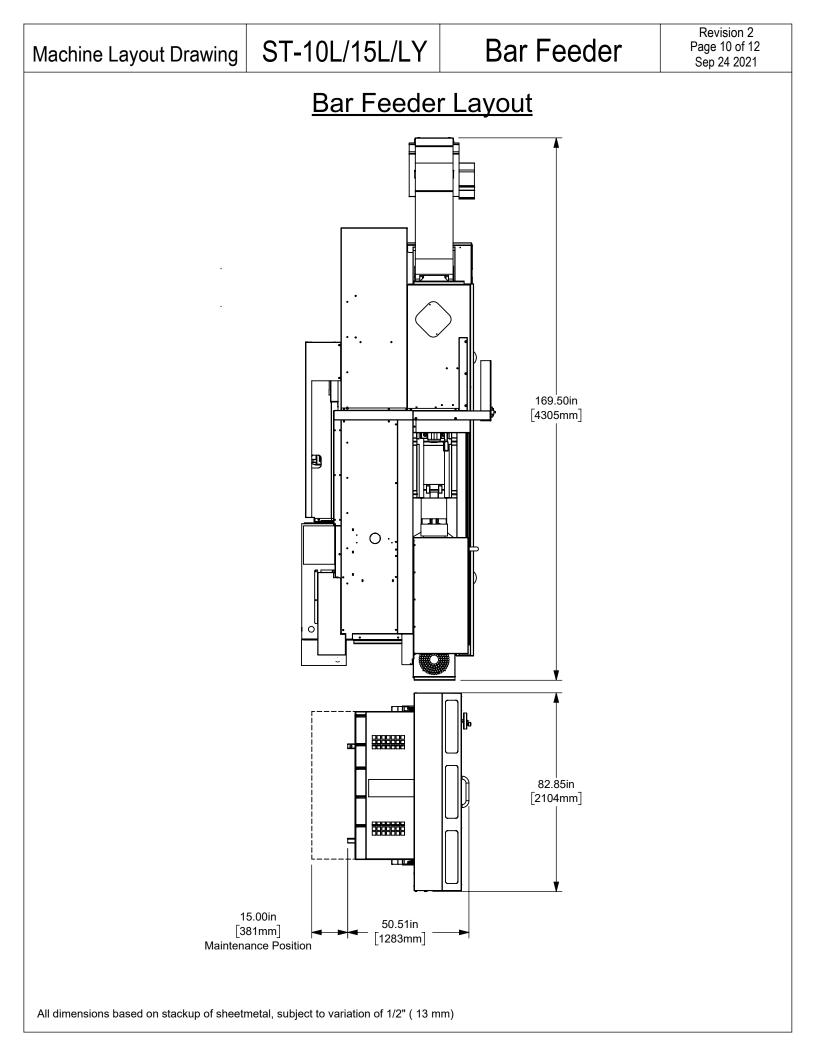
***Possible Tailstock Interference zone - see interference diagram



** Shift the work envelope in Z by the tool protrusion length

Revision 2





Machine Layout Drawing

COUNTERBORE DEPTH

DRAWTUBE EXTENDED

DRAWTUBE RETRACTED

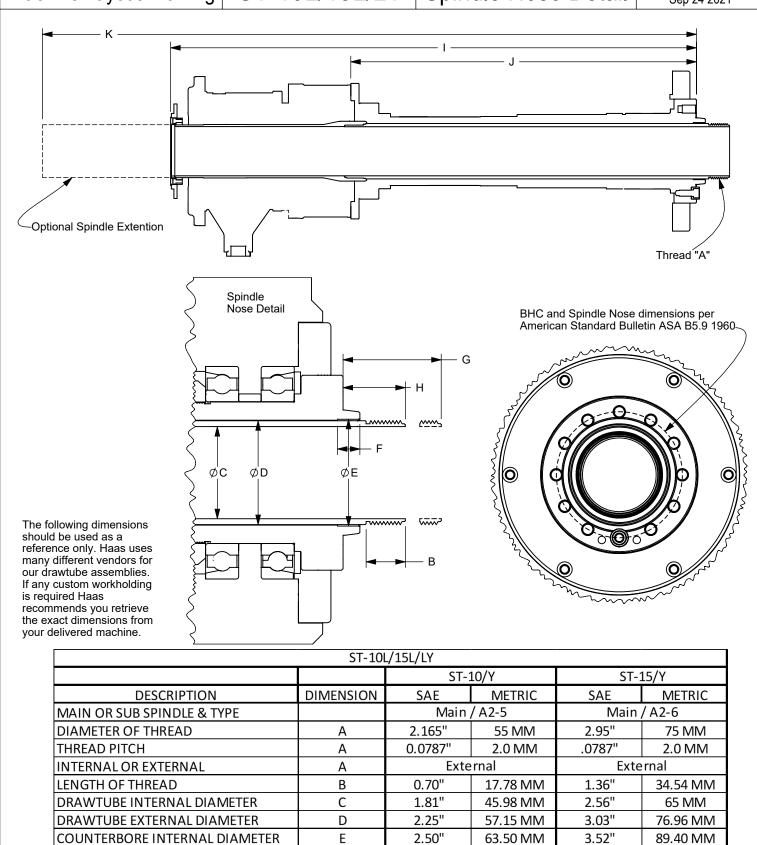
SPINDLE FACE TO BACK OF UNION

SPINDLE FACE TO UNION ADAPTOR

TO BACK OF EXTENTION (OPTION)

ST-10L/15L/LY | Spindle Nose Detail

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F

G

Н

Т

J

К

0.62"

1.45"

0.94"

30.78"

22.75"

48.0"

0.75"

2.50"

1.37"

33.53"

22.53"

48.0"

19.05 MM

63.42 MM

34.85 MM

851.67 MM

572.3 MM

1219 MM

15.75 MM

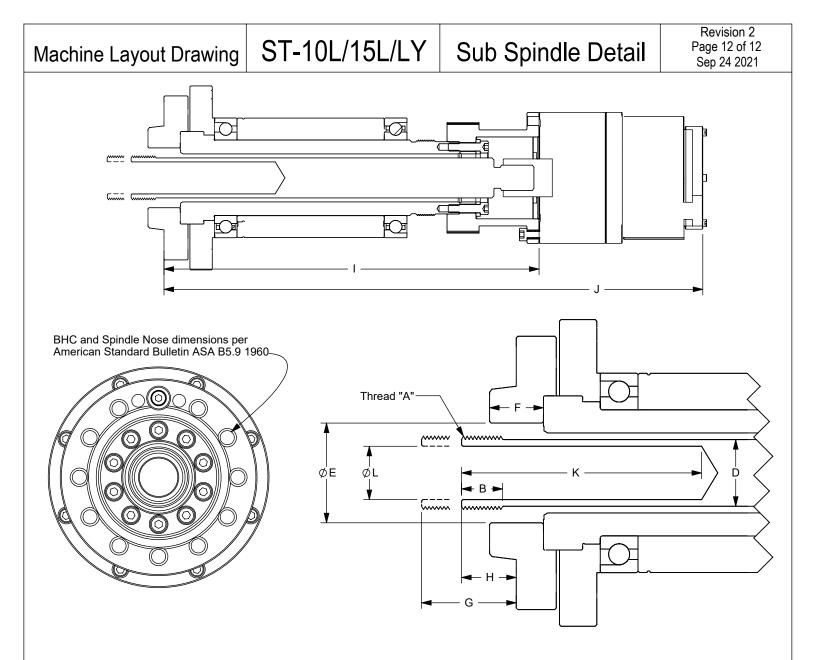
36.88 MM

23.88 MM

781.80 MM

578 MM

1219 MM



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.

SUB-SPDL-A2-5 for ST-10 to ST-25			
DESCRIPTION	DIMENSION	SAE	METRIC
MAIN OR SUB SPINDLE & TYPE		Sub-Spindle / A2-5	
DIAMETER OF THREAD	A	1.378"	35 MM* or 40 MM
THREAD PITCH	A	0.059"	1.5 MM
INTERNAL OR EXTERNAL	A	External	
LENGTH OF THREAD	В	0.50"	12.7 MM
DRAWTUBE INNER DIAMETER	C	N/A - SOLID DRAWBAR	
DRAWTUBE OUTER DIAMETEER	D	1.25"	31.75MM
COUNTERBORE INNER DIAMETER	E	1.870"	47.5 MM
COUNTERBORE DEPTH	F	1.01"	25.65MM
EXTENDED DISTANCE TO NOSE	G	1.465"	37.2 MM
RETRACTED DISTANCE TO NOSE	Н	0.874"	22.2 MM
FROM SPINDLE FACE TO BACK OF UNION	I	11.72	297.7MM
FROM SPINDLE FACE TO UNION ADAPTOR	J	16.84	427.7MM
EJECTOR POCKET DEPTH	К	4.5"	114.3MM
EJECTOR POCKET DIAMETER	L	1.0"	25.4MM
*M35 applies to Sub-Spindles made after July 2019 - M40 applies to older vintages			

Specifications subject to change at any time without notice