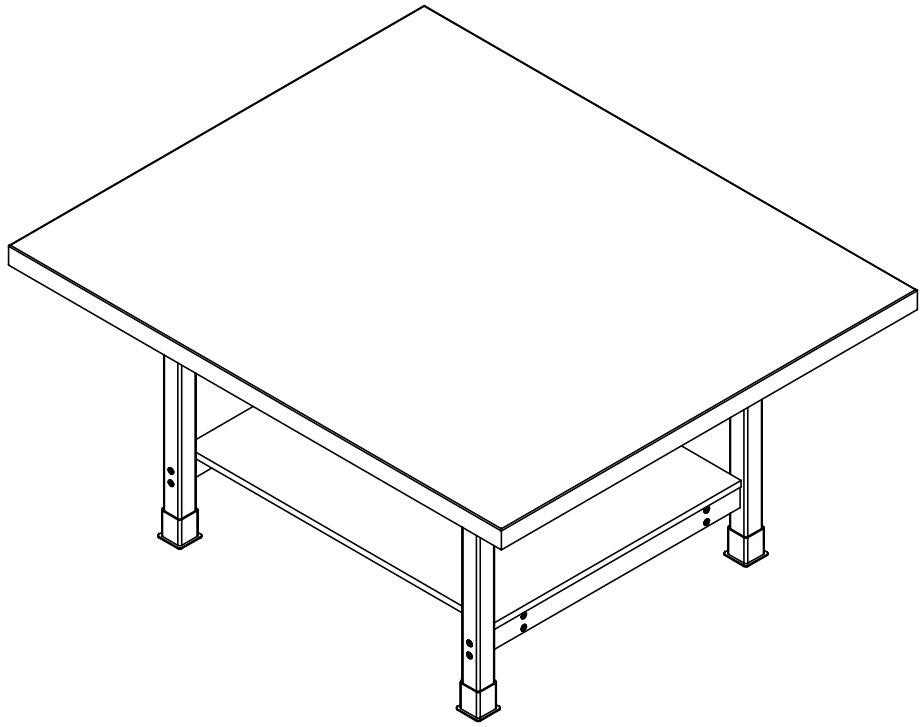
OPEN-STYLE WOOD WORKBENCH

WW2-0V, WW2-1V, WW2-2V, WW4-0V, WW4-2V, & WW4-4V SERIES

ASSEMBLY INSTRUCTIONS



NOTE:

1. MODEL VIEWS MAY NOT REPRESENT EXACT MODEL PURCHASED

DWN BY:	EMK	DWN DATE:	10/27/14
APR BY:		DATE APR:	
APR BY:		DATE APR:	

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES

CABINET SQUARENESS ± .0625
FRACTIONAL VALUES ± 1/32"
- ALL VALUES ± OVERALL -

REV.	DESCRIPTION	DATE	NAME	ECN NO.
A	CREATED ASSEMBLY INSTRUCTIONS	10/27/14	EMK	-

REVISION LEVEL

THIS DRAWING IS THE SOLE PROPERTY OF DIVERSIFIED WOOD CRAFTS. IT MAY NOT BE ALTERED OR CHANGED WITHOUT PERMISSION

OPEN-STYLE WOOD WORKBENCH
ASSEMBLY INSTRUCTIONS

DRAWING NUMBER:	SCALE:	SHEET:	REVISION:
WW2 & WW4	NTS	1 OF 8	REV A

TOOLS REQUIRED
4MM ALLEN WRENCH
½" WRENCH
½" SOCKET AND TORQUE WRENCH - OPTIONAL
SCREW DRIVER

ASSEMBLY COMPONENTS

ITEMS INCLUDED	PART #	PART DESCRIPTION	QTY
TOP AND APRON ASSEMBLY	VARIES	TOP ASSEMBLY (FACTORY ASSEMBLY)	1
LEGS	501100	LEG,MPL 2.25X2.25X28.25	4
LEG HARDWARE	520001-4	LEG HARDWARE KIT, 4 LEGS	1
LEG BOOTS	100076	LEG BOOT, BLK RUBBER	4
LEG BRACE	N/A	LEG BRACE - SIZE VARIES	2
STRETCHER	N/A	STRETCHER - SIZE VARIES	2
SHELF	N/A	SHELF - SIZE VARIES	1
CONFIRMATS - LEGS	227578	SCREW,7MMX90MM,CONN,ALLENHEAD, BLACK	8
CONFIRMATS - STRETCHERS	228564	SCREW,7MMX50MM,CONN,ALLENHEAD, BLACK	8
SCREWS - SHELF	100066	SCREW,#8X1.5 FSQ SMS TYPE 17	6
VISES - OPTIONAL	234708	VISE - SHAIN CUSTOM VISE WITH LOGO	VARIES

NOTE:

1.

REV.	DESCRIPTION	DATE	NAME	ECN NO.
A	CREATED ASSEMBLY INSTRUCTIONS	10/27/14	EMK	-

REVISION LEVEL

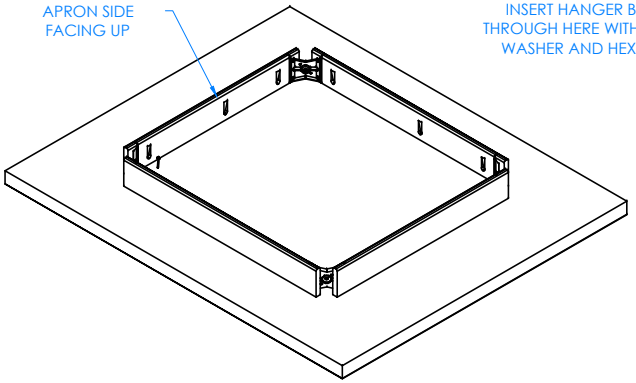
DWN BY:	EMK	DWN DATE:	10/27/14
APR BY:		DATE APR:	
APR BY:		DATE APR:	

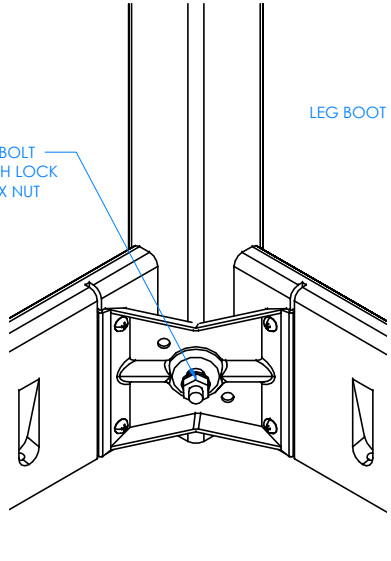
UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES
CABINET SQUARENESS ± .0625
FRACTIONAL VALUES ± 1/32"
- ALL VALUES ± OVERALL -

THIS DRAWING IS THE SOLE PROPERTY OF DIVERSIFIED WOOD CRAFTS. IT MAY NOT BE ALTERED OR CHANGED WITHOUT PERMISSION

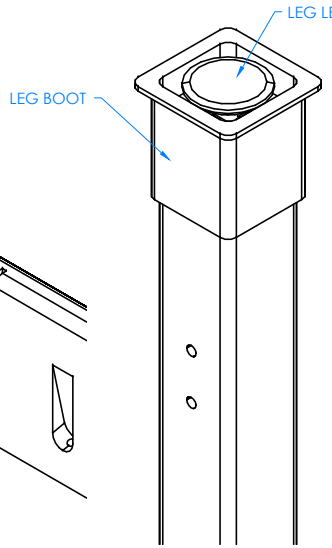
OPEN-STYLE WOOD WORKBENCH
TOOLS AND ASSEMBLY COMPONENTS

DRAWING NUMBER:	SCALE:	SHEET:	REVISION:
WW2 & WW4 SERIES	NTS	2 OF 8	REV A

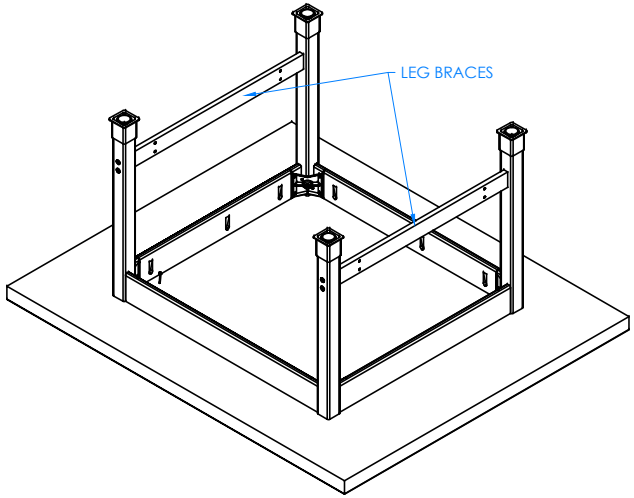




CLOSE UP OF CORNER LEG ASSEMBLY



CLOSE UP OF LEG BOOT AND LEVELER ASSEMBLY



STEP 1:

LAY TOP ASSEMBLY ON FLOOR WITH APRON SIDE FACING UP. BE SURE TOP ASSEMBLY IS ON A CLEAN SURFACE TO PREVENT DAMAGE.

STEP 2:

INSERT HANGER BOLT ON ONE OF THE LEGS THROUGH THE CORNER BRACKET AND INSERT LOCK WASHER AND HEX NUT. USING A ½" WRENCH OR ½" SOCKET AND TORQUE WRENCH, SCREW ON THE NUT BUT DO NOT TIGHTEN ALL THE WAY. REPEAT FOR THE OTHER LEGS.

STEP 3:

SLIDE LEG BOOT ONTO LEGS WITH FLARED END TOWARDS THE BOTTOM OF THE LEG. SCREW LEG LEVELERS INTO T-NUT ON BOTTOM OF THE LEGS.

STEP 4:

USING A 4MM ALLEN WRENCH, INSERT THE CONFIRMATS INTO ONE LEG AND SCREW INTO THE BRACE. REPEAT FOR THE OTHER 3 LEGS. MAKE SURE BRACES ARE STRAIGHT AND ALL CONFIRMATS ARE TIGHT.

NOTE:

1.

A	CREATED ASSEMBLY INSTRUCTIONS	10/27/14	EMK	-
REV.	DESCRIPTION	DATE	NAME	ECN NO.
REVISION LEVEL				

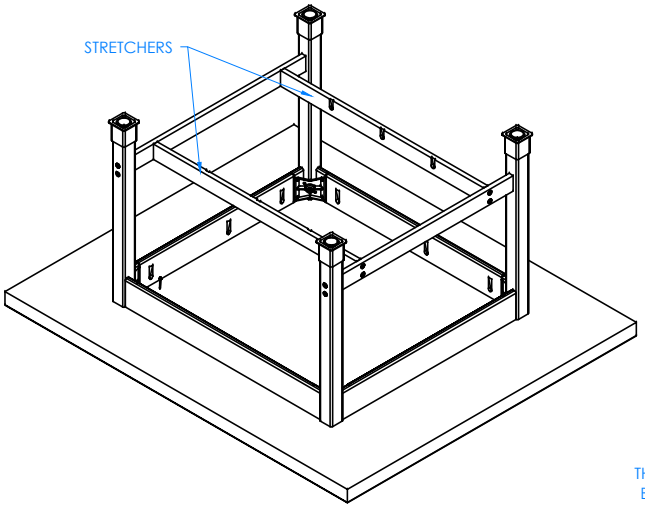
DWN BY:	EMK	DWN DATE:	10/27/14
APR BY:		DATE APR:	
APR BY:		DATE APR:	

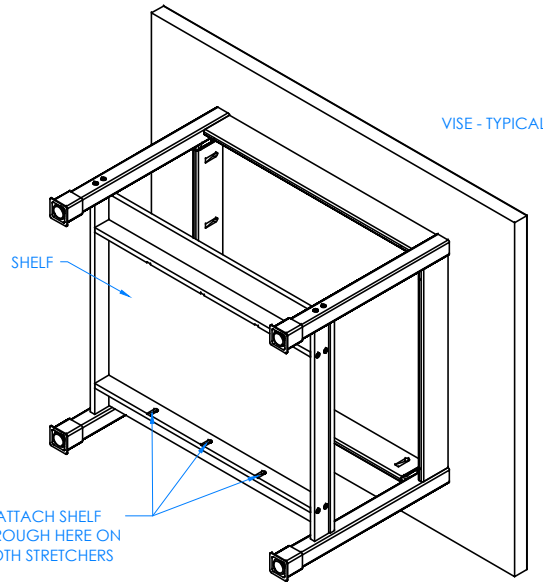
UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES
CABINET SQUARENESS ± .0625
FRACTIONAL VALUES ± 1/32"
- ALL VALUES ± OVERALL -

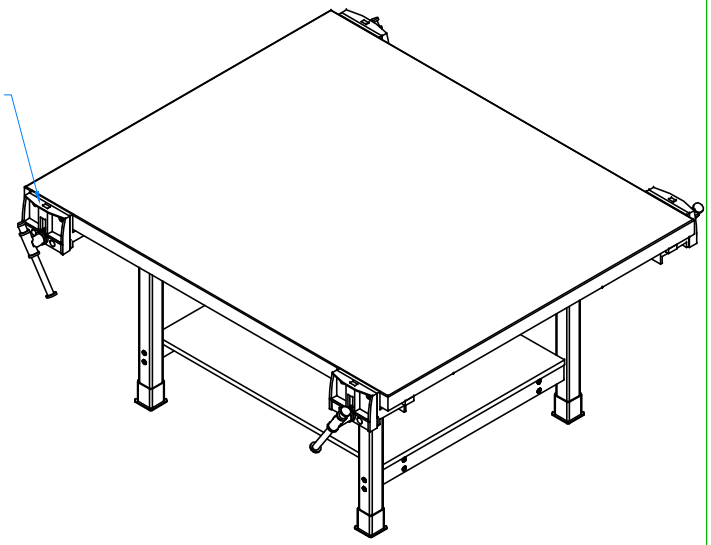
THIS DRAWING IS THE SOLE PROPERTY OF DIVERSIFIED WOOD CRAFTS. IT MAY NOT BE ALTERED OR CHANGED WITHOUT PERMISSION

OPEN-STYLE WOOD WORKBENCH ASSEMBLY INSTRUCTIONS

DRAWING NUMBER:	SCALE:	SHEET:	REVISION:
WW2 & WW4 SERIES	NTS	3 OF 8	REV A







STEP 5:

INSERT STRETCHERS ONCE THE LEG BRACES ARE IN POSITION. ATTACH STRETCHERS WITH CONFIRMATS PROVIDED. GO BACK TO STEP 2 AND TIGHTEN UP THE HANGER BOLTS FOR EACH LEG USING A ½" WRENCH OR ½" SOCKET AND TORQUE WRENCH, TO A MINIMUM OF 12FT LBS BUT NOT TO EXCEED 17FT LBS .

STEP 6:

WITH HELP FROM ANOTHER PERSON, TIP TABLE ON ITS SIDE AND SCREW ON SHELF TO THE STRETCHERS WITH SCREWS PROVIDED.

STEP 7:

TURN TABLE OVER SO TOP IS UP. SET YOUR TABLE IN PLACE AND ADJUST THE LEG LEVELERS TO LEVEL THE TABLE. SLIDE LEG BOOTS DOWN TO THE FLOOR. ATTACH VISES IF INCLUDED.

NOTE:

1.

A	CREATED ASSEMBLY INSTRUCTIONS	10/27/14	EMK	-
REV.	DESCRIPTION	DATE	NAME	ECN NO.
REVISION LEVEL				

DWN BY:	EMK	DWN DATE:	10/27/14
APR BY:		DATE APR:	
APR BY:		DATE APR:	

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES
CABINET SQUARENESS ± .0625
FRACTIONAL VALUES ± 1/32"
- ALL VALUES ± OVERALL -

THIS DRAWING IS THE SOLE PROPERTY OF DIVERSIFIED WOOD CRAFTS. IT MAY NOT BE ALTERED OR CHANGED WITHOUT PERMISSION

OPEN-STYLE WOOD WORKBENCH ASSEMBLY INSTRUCTIONS

DRAWING NUMBER:	SCALE:	SHEET:	REVISION:
WW2 & WW4 SERIES	NTS	4 OF 8	REV A

Warning:

Misuse of vises can cause serious injury to eyes, hands and or other body parts. Vises must be set up and used properly. Before setup and use, read, understand and follow all instructions outlined.

ALWAYS make sure bench tops are properly secured.

ALWAYS use proper mounting hardware in all mounting holes to hold vise securely.

ALWAYS inspect mounting hardware to ensure vise is securely fastened to work bench.

ALWAYS inspect vise for stress fatigue or damage to the vise before using.

ALWAYS use vise of proper size and capacity to hold work object.

ALWAYS wear eye, face, and ear protection when using a vise.

ALWAYS wear dust mask or respirator when working with wood, metal, chemical dusts or mists.

ALWAYS rest work piece against front jaw and guide rods.

ALWAYS wear restrictive hair covering and anti slip footwear while operating vise.

ALWAYS only hand tighten vise.

ALWAYS maintain the vise – grease main screw regularly.

Never use a hammer, extension pipe, or cheater bar on spindle handle of vise.

NEVER unscrew movable jaw beyond maximum specified opening of vise.

NEVER weld vise to any metal object.

NEVER use a vise to press an object into or out of another object.

NEVER place pressurized containers or combustible materials in vise.

NEVER wear loose clothing or jewelry while operating vise.

NEVER apply extreme heat or prolong heat to the vise as it may alter structural properties.

NEVER tighten work piece at the edge (top or side) of the vise as this may break vise casting

Mount Back Jaw Casting to Workbench

- Pre-drill holes for mounting screws using template provided. Be sure to drill holes straight and deep enough to accommodate the full length of the screw. Use recommended drill sizes only (see template provided).

- It is ***CRITICAL*** that the back jaw casting is mounted firmly and accurately to the workbench surface. ***NO GAPS*** between the casting and the workbench should be present. Use shims as needed. Refer to figure #1 below.

- ***DO NOT*** attach the vise to the end grain side of the workbench. By attaching the vise to the side grain side of the workbench the mounting screw will have a much stronger hold.

- When attaching the back jaw casting to the workbench, take care to ensure there is full contact of the casting to the workbench surface before tightening the mounting screws.

- The vertical portion of the back jaw against the front edge of the workbench and the horizontal portion of the casting on the underside of the bench must have full contact with the workbench. Use shims to eliminate any gaps that may be present.

- Any gaps between the casting and the workbench surface will cause flexing of the casting when tightened down, which could result in failure of the casting. Figure 1.

- MOUNTING HARDWARE: Use the #14 x 1-1/2" Counter-Sink Wood Screws (2) for the front edge mounting holes and the 5/16" x 2-1/2" Lag Screws (2) and the 5/16" Flat Washers (2) for underneath the workbench

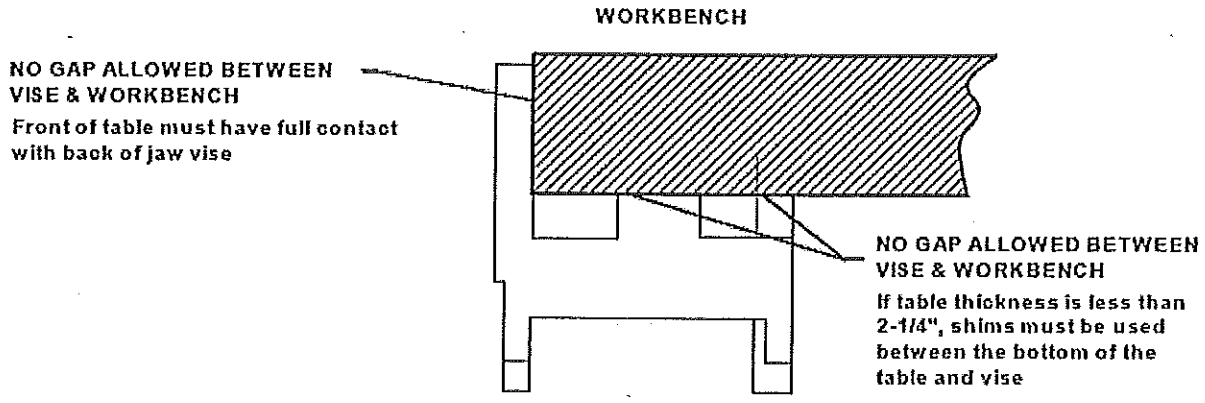


Figure 1: Mount Back Jaw Casting to Work Bench

Caution:

Do not exceed the maximum applied torque of 1,000 inch-pounds (125 foot-pounds). Also, failure to rest work piece against the front jaw and the guide rods may also cause the castings to flex resulting in failure. See Figure 2.

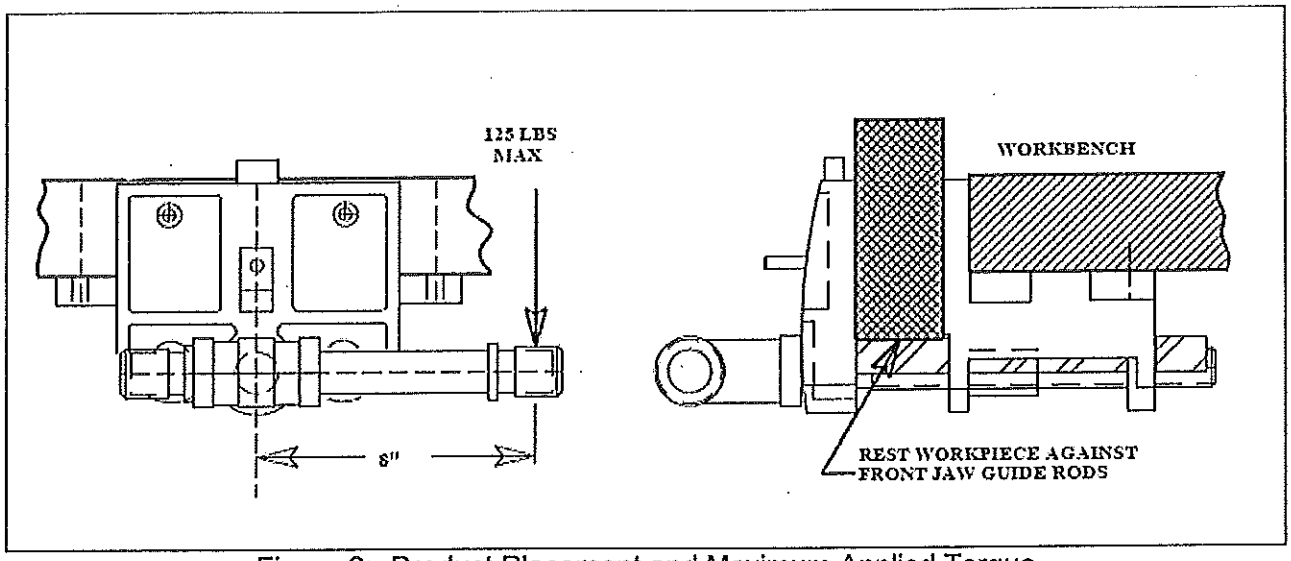
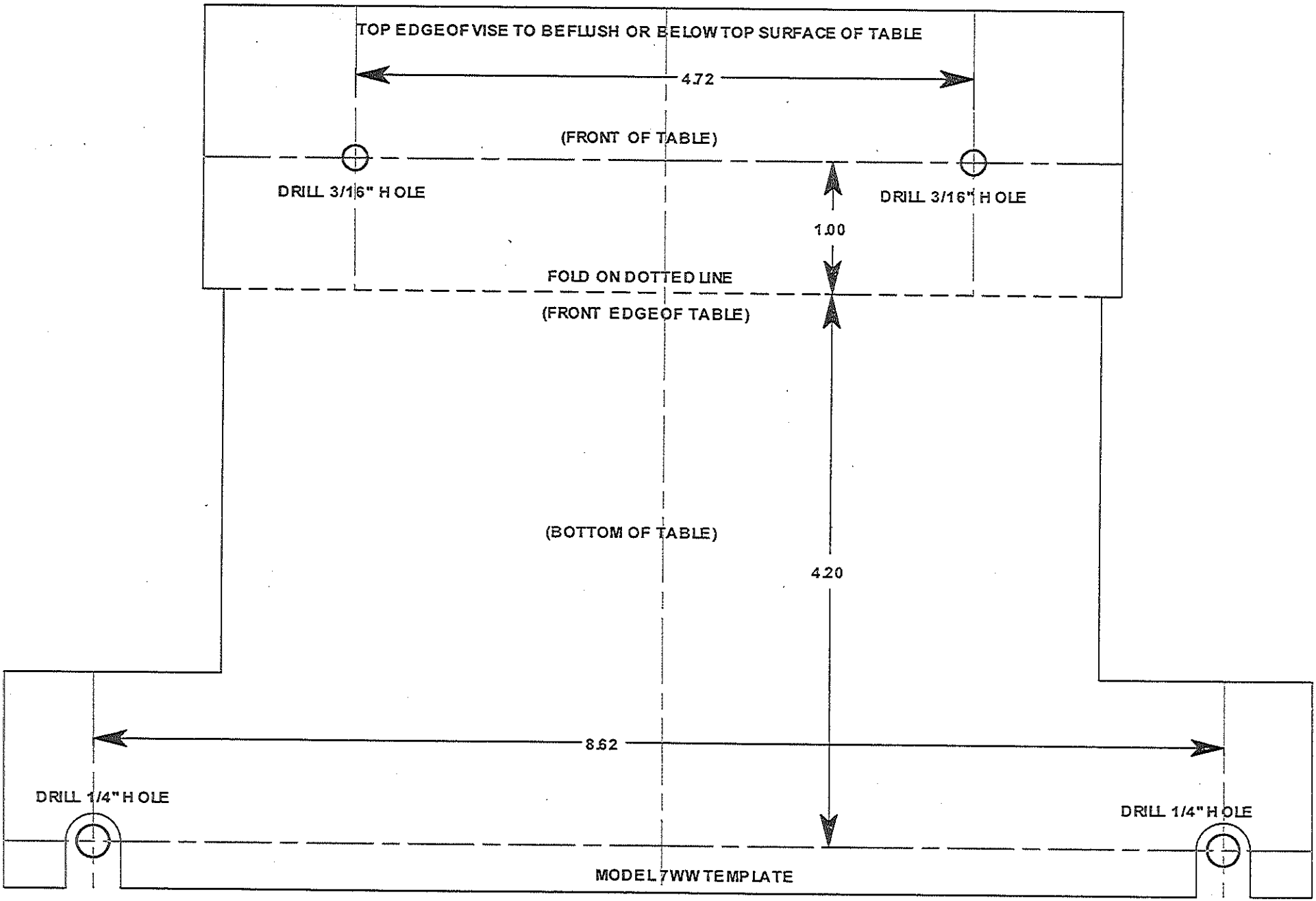


Figure 2: Product Placement and Maximum Applied Torque


TOP EDGE OF VISE TO BE FLUSH OR BELOW TOP SURFACE OF TABLE
4.72
(FRONT OF TABLE)
DRILL 3/16" HOLE
DRILL 3/16" HOLE
1.00
FOLD ON DOTTED LINE
(FRONT EDGE OF TABLE)
(BOTTOM OF TABLE)
4.20
8.62
DRILL 1/4" HOLE
DRILL 1/4" HOLE
MODEL 7WW TEMPLATE