



Jergens

BALL LOCK[®]

MOUNTING SYSTEM

**PRE-ENGINEERED BALL LOCK[®] MOUNTING SYSTEMS
FOR DOOSAN MACHINES**



DT360D
DT400
VC430
VC510
DNM400
DNM500
DNM650
DNM400a
DNM500a
DNM4500

DNM5700
DNM6700
HP4000/HC400
HP5100/HC500
HP5500
HP6300
HM5000
HM6300
VC630/5AX

Jergens[®]
MANUFACTURING EFFICIENCY

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Ball Lock Selection Guide

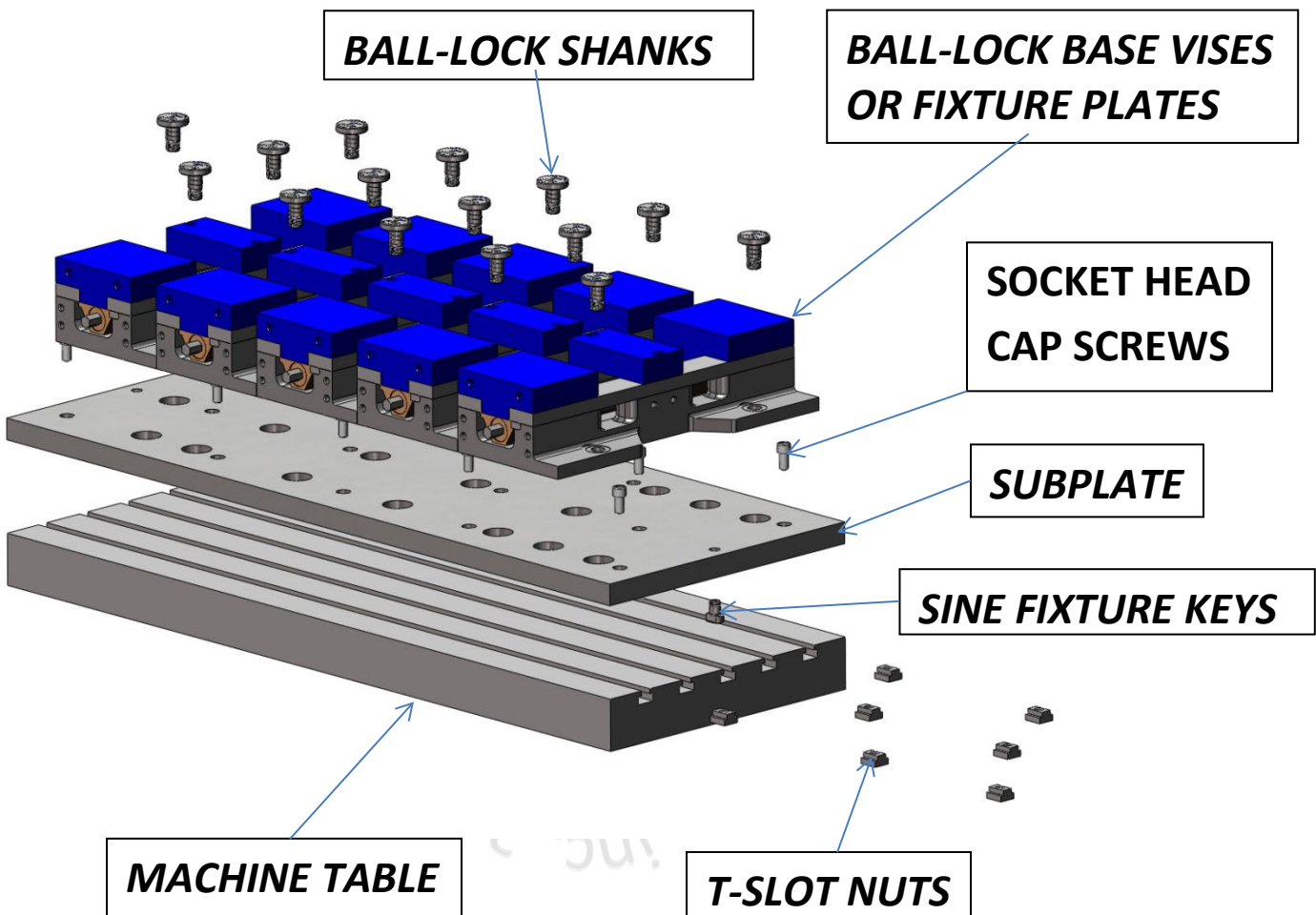
How To Use this Guide

1. Review the “[How the Ball Lock Mounting System Works](#)” section for an overview of the system and components.
2. Select a specific machine tool model and subplate.
 - a. The opening machine model page includes the machine table specifications used for that machine.
 - b. The following page/pages contain specific subplates designed for that machine model and table specifications.
 - c. Each subplate page lists the color coded fixture plates that will fit that subplate. Each machine may have one or more subplate/fixture plate combinations.
 - d. Use the “fixture plate examples” contained in the guide to help select a fixture plate for typical applications. Fixture plates are color coded to assist in using the example when selecting it for a specific machine.
 - e. You can print pages for reference when preparing a request for quote or placing an order.
3. Use the “Subplate Mounting and Quote Form” to assist in selecting the required subplate mounting components.
 - a. This form lists the required mounting hardware for each subplate you select.
 - b. You can fill in the number of subplates into the form for reference.
 - c. The mounting hardware listed is for one subplate. When requesting a quote or ordering more than one subplate, the total components required must be increased accordingly.
4. Use the “Fixture Plate and Vise Quote Form” to assist in selecting the required fixture plates and ball lock shanks required for mounting.
 - a. This form lists the ball lock shanks and part number for each subplate selected.

As always, please do not hesitate to contact Jergens Workholding Solutions for engineering assistance.

		
Multi-Axis Catalog	Ball Lock® Brochure	Workholding Solutions Catalog

How the Ball-Lock Mounting System works.



MACHINE TABLES come in various sizes, t-slot sizes, number of t-slots and also drilled & tapped configurations.

SUBPLATES can be made to suit your needs in addressing your manufacturing quick-change requirements.

SINE FIXTURE KEYS are used to align the subplate to a t-slotted table during the installation of the subplate to your machine table.

T-SLOT NUTS are used in the fastening of the subplate to the machine table.

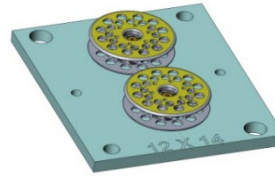
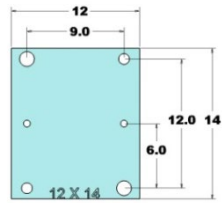
SOCKET HEAD CAP SCREW'S are installed thru the subplate and into the t-slot nuts to lock down the subplate to the machine table.

BALL-LOCK BASE VISES OR FIXTURE PLATES allow you to change out your vises or fixture in minutes within +/- .0005 repeatability versus hours of set-up and indicating in the vise or fixture.

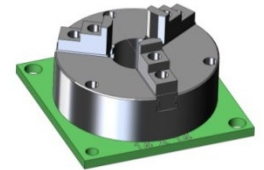
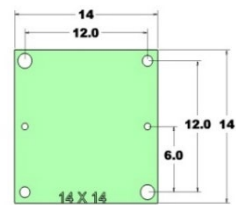
BALL-LOCK SHANKS are used to locate and lock the vises or fixtures to the receiver bushings installed in the subplate with 2-1/2 turns to lock or release with low torque and high clamping forces.

FIXTURE PLATES shown below are color coded to assist in determining the various subplate options to best suit your manufacturing quick change requirements.

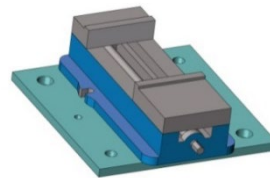
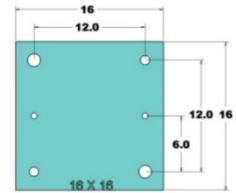
28711(ALUM)/28811(STEEL)



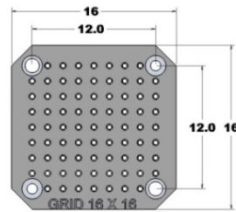
28713(ALUM)/28813(STEEL)



28715(ALUM)/28815(STEEL)

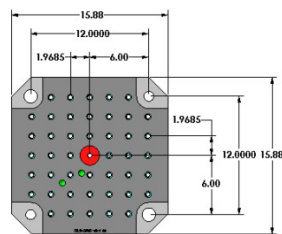


28801(STEEL)

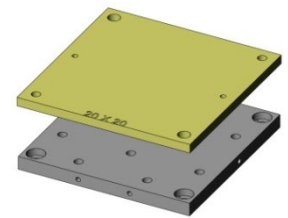
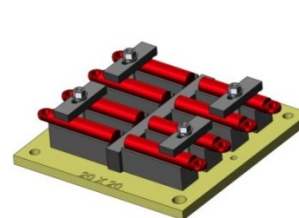
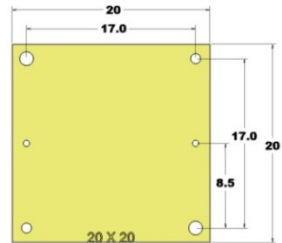


28802(STEEL)

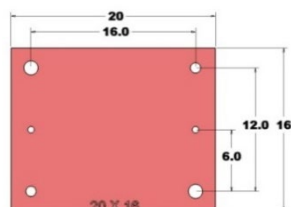
**QLS-GRID FIXTURE PLATE
(SEE PG 185 FOR MORE
DETAIL OPTIONS)**



28727(ALUM)/28827(STEEL)

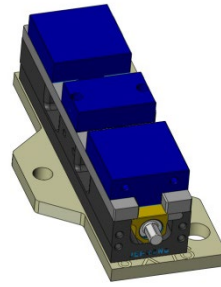
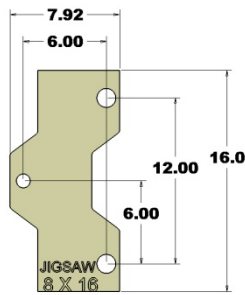


28719(ALUM)/28819(STEEL)

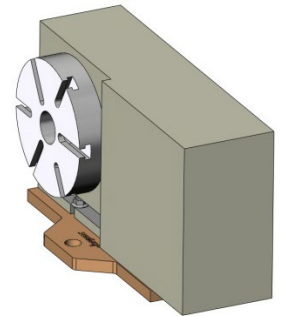
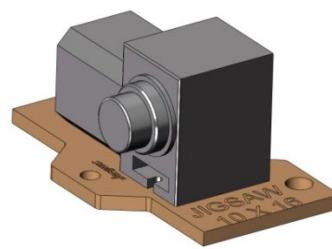
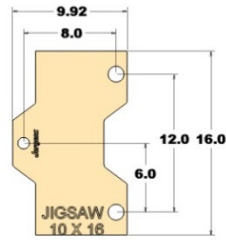


FIXTURE PLATES shown below are color coded to assist in determining the various subplate options to best suit your manufacturing quick change requirements.

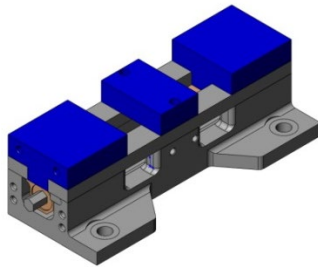
28705(ALUM)/28805(STEEL)



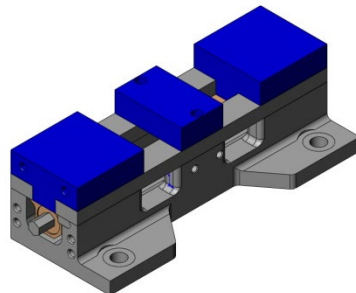
28706(ALUM)/28806(STEEL)



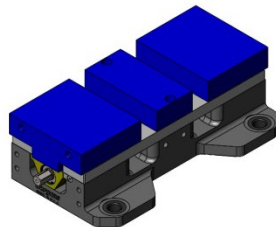
49405(4" VISE BALL-LOCK BASE)



49406(6" VISE BALL-LOCK BASE)

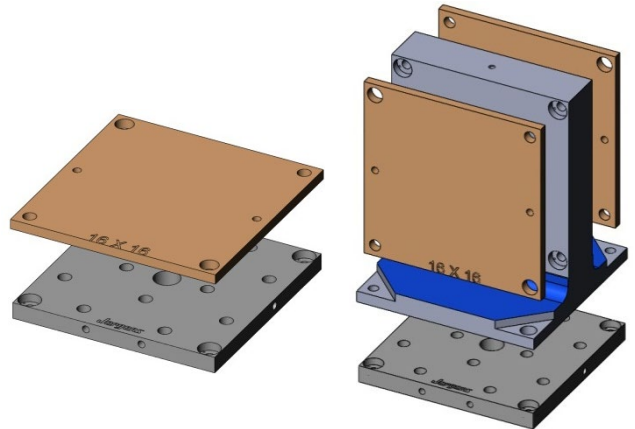
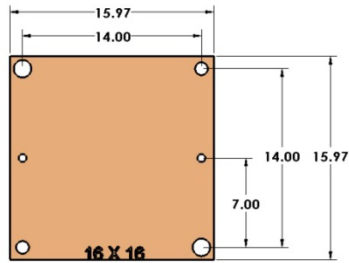


49496(6" SHORT VISE BALL-LOCK BASE)

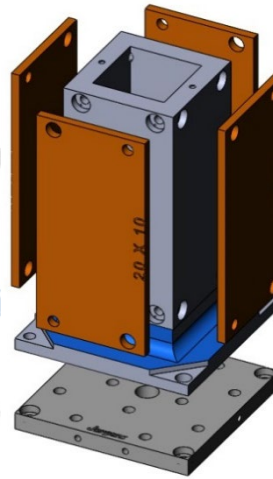
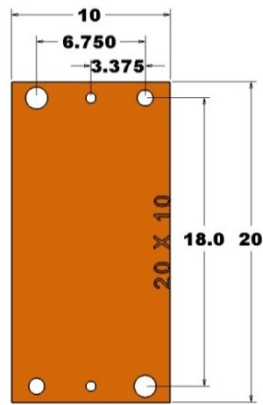


FIXTURE PLATES shown below are color coded to assist in determining the various subplate options to best suit your manufacturing quick change requirements.

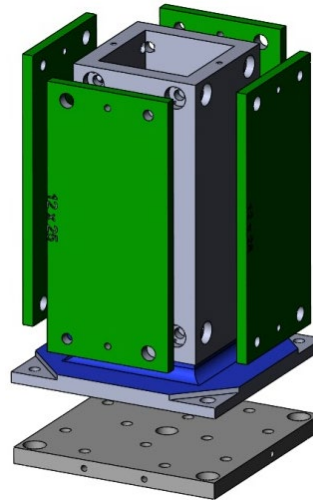
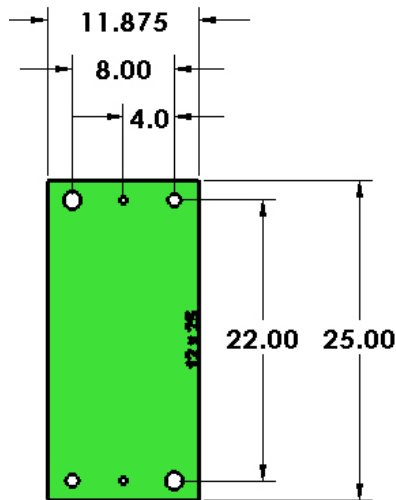
28717(ALUM)/28817(STEEL)



28741(ALUM)/28841(STEEL)

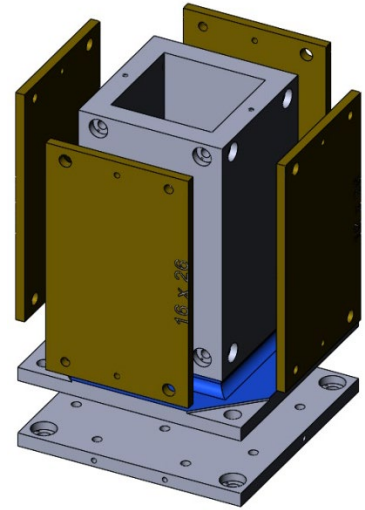
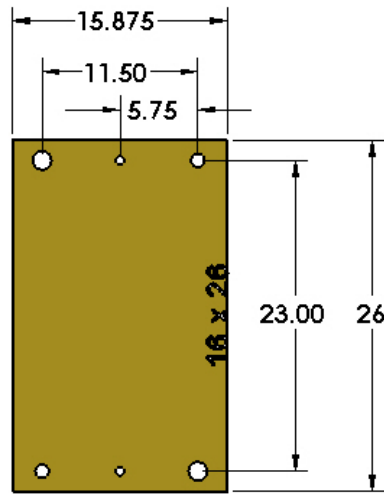


28742(ALUM)/28842(STEEL)

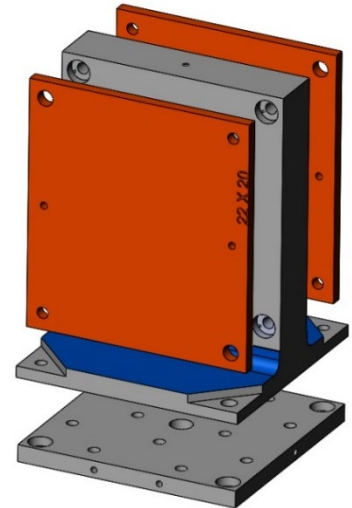
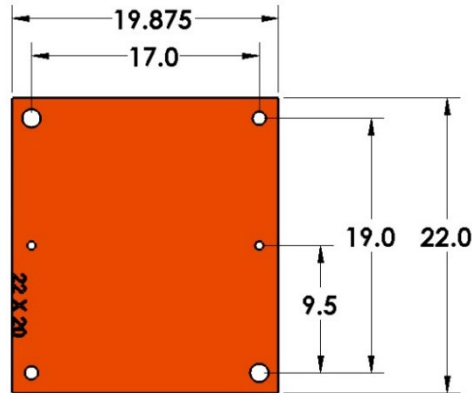


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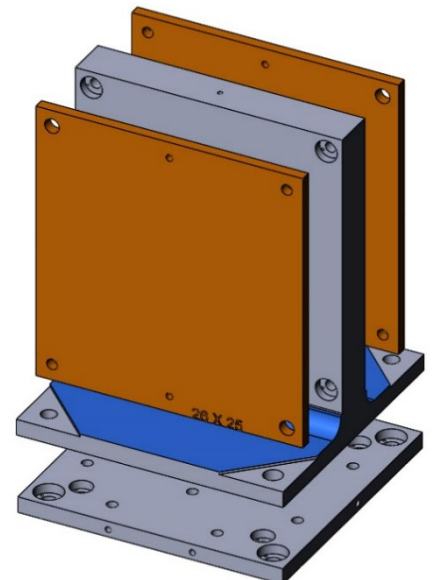
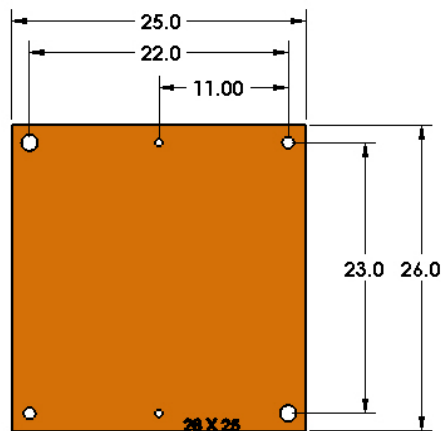
28743(ALUM)/28843(STEEL)



28745(ALUM)/28845(STEEL)

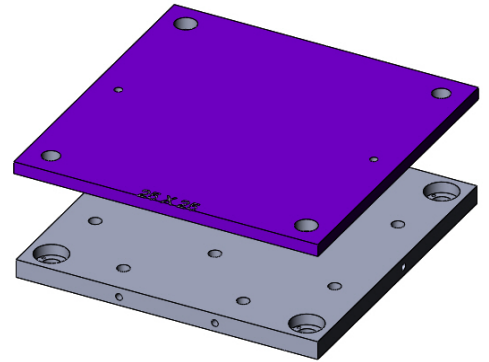
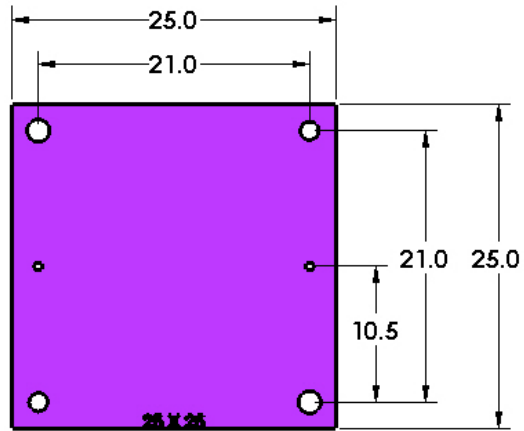


28746(ALUM)/28846(STEEL)

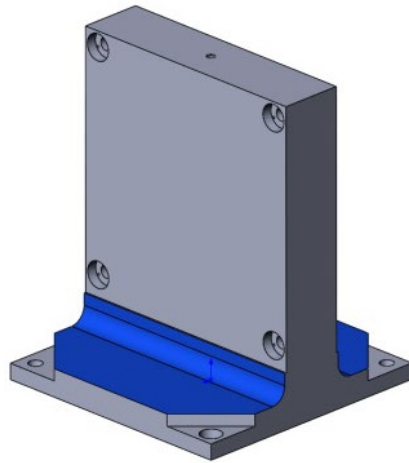


FIXTURE PLATES shown below are color coded to assist in determining the various subplate options to best suit your manufacturing quick change requirements.

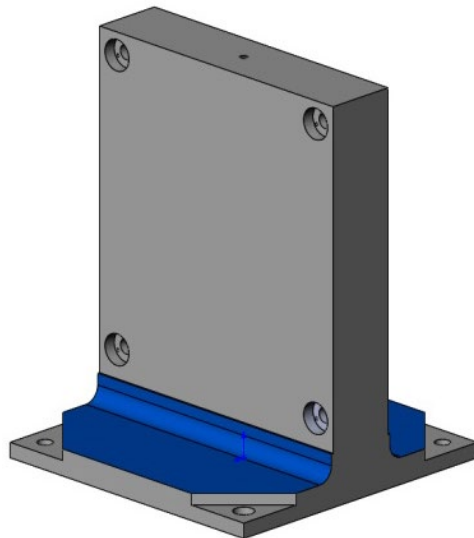
28732(ALUM)/28832(STEEL)



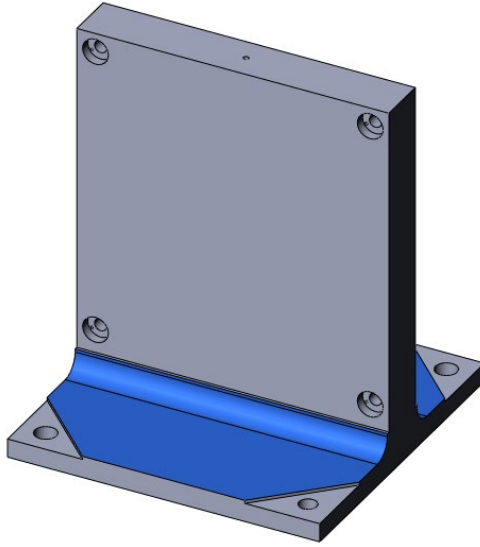
69101 (2-SIDED CAST-IRON TOOLING COLUMN) 400MM



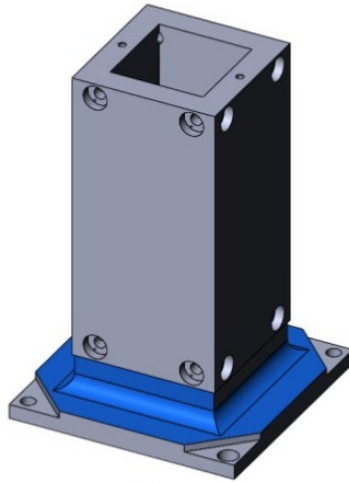
69111 (2-SIDED CAST-IRON TOOLING COLUMN) 500MM



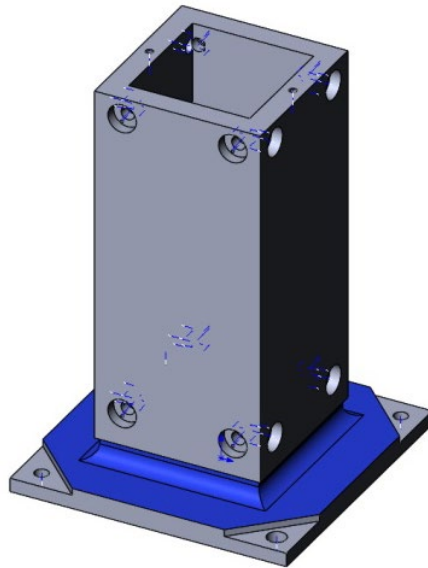
**69121 (2-SIDED CAST-IRON
TOOLING COLUMN) 630MM**



**69001 (4-SIDED CAST-IRON
TOOLING COLUMN) 400MM**

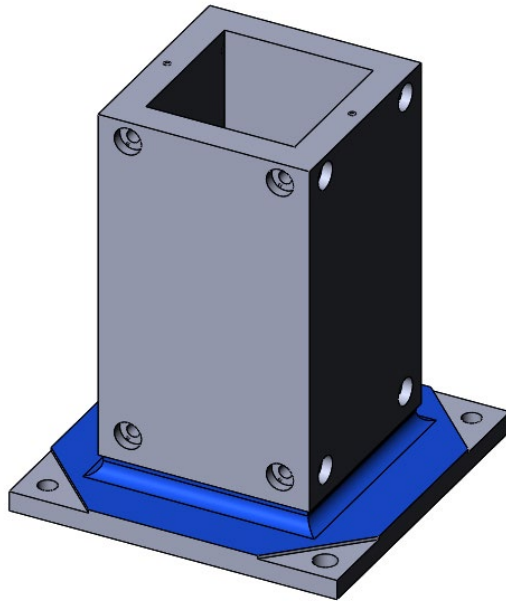


**69011 (4-SIDED CAST-IRON
TOOLING COLUMN) 500MM**

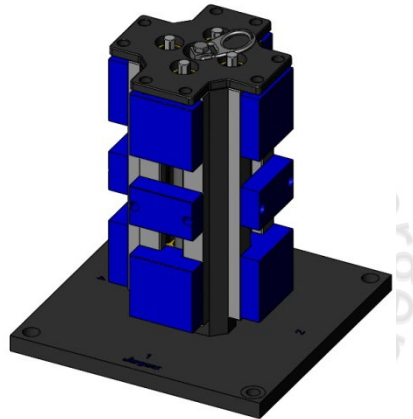


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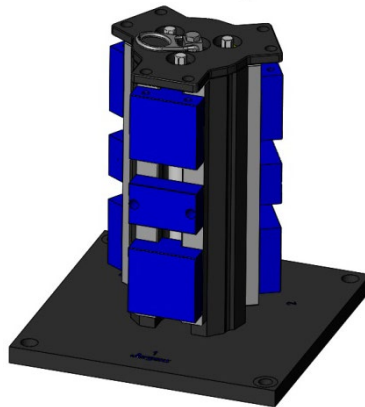
**69021 (4-SIDED CAST-
IRON TOOLING COLUMN)
630MM**



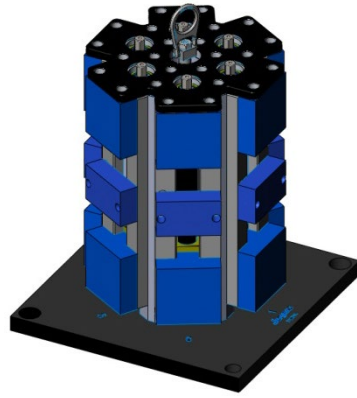
**49403 (4" - 4-SIDED VISE-
8 STATION)
400MM**



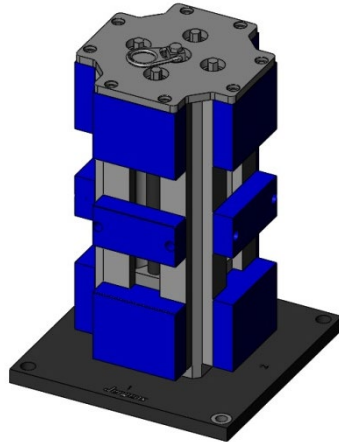
**49409 (4" - 3-SIDED
VISE-6-STATION)
400MM**



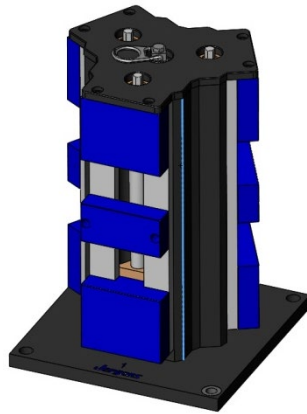
**49413 (4" - 6 SIDED HEX
VISE-12-STATION)
400MM**



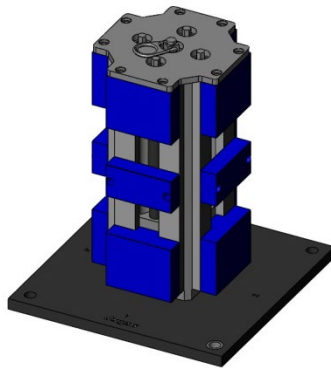
**49412 (6" - 4-SIDED VISE)
400MM**



**49408 (6" - 3-SIDED VISE)
400MM**

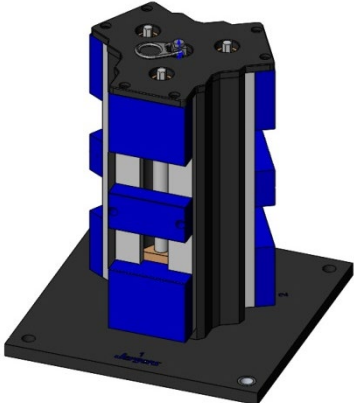


**49404 (6" - 4-SIDED VISE)
500MM**

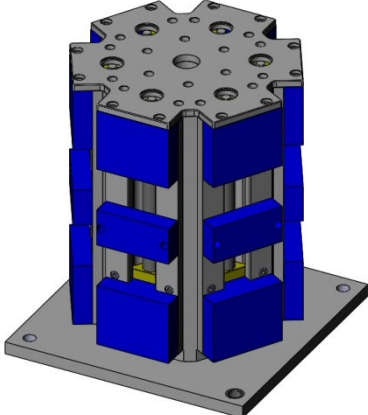


Jergens, Inc.

**49410 (6" - 3-SIDED VISE)
500MM**



**49414 (6" - 6 SIDED HEX
VISE 12-STATION)
500MM**

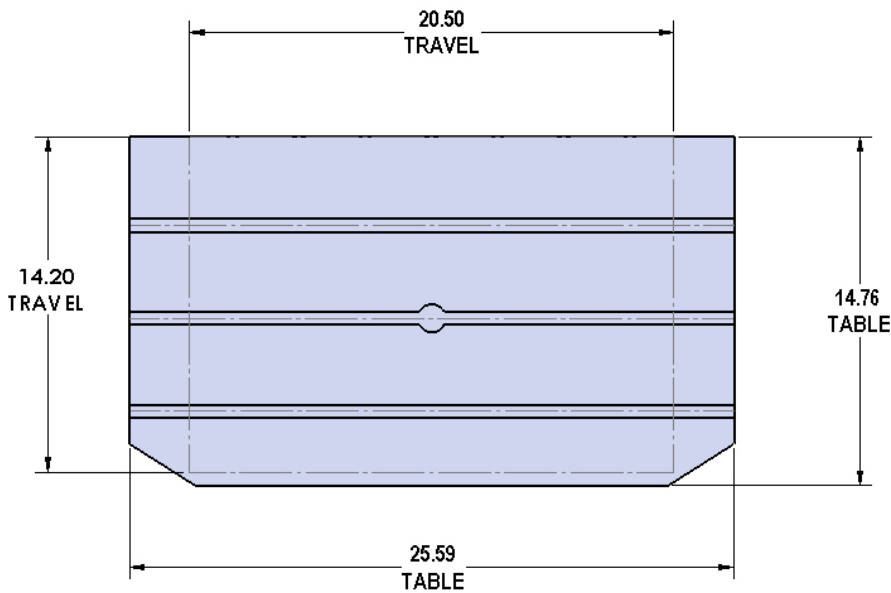


DT360D

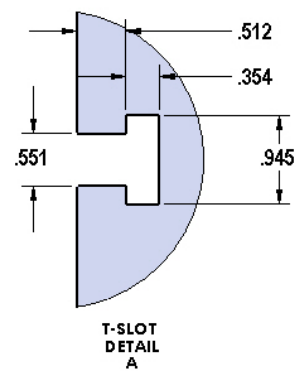
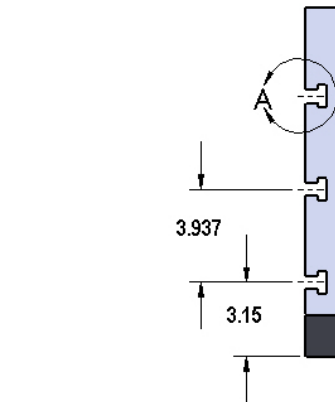


Table Specifications

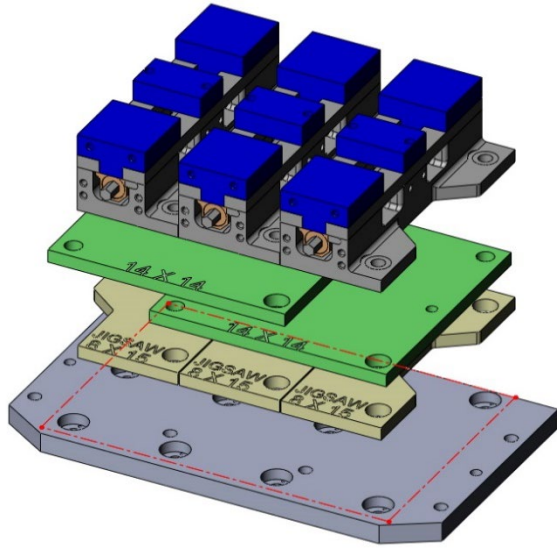
Table Travel (X,Y,Z): 20.50" x 14.20" x 13.8"
 Table Dimensions (L x W): 25.59" x 14.76"
 Maximum Weight on Pallet: 440 lbs / Pallet
 T-Slot Width: .551" (14mm)
 T-Slot Center Distance: 3.937" (100mm)



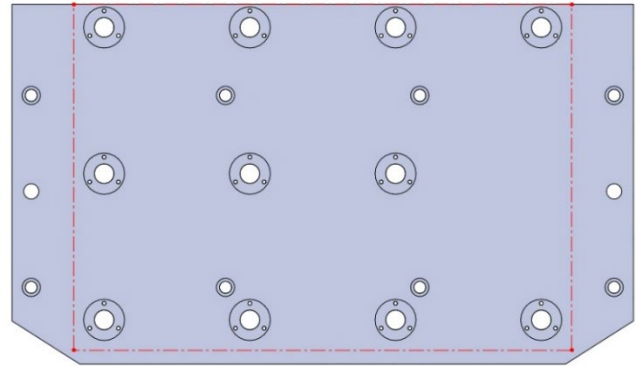
DUAL PALLET



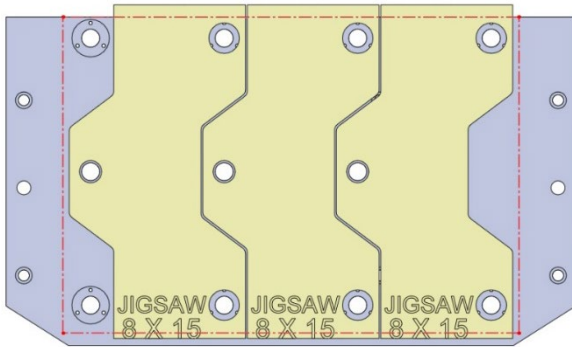
DT360D-001



25.6 X 14.7 X 1.125

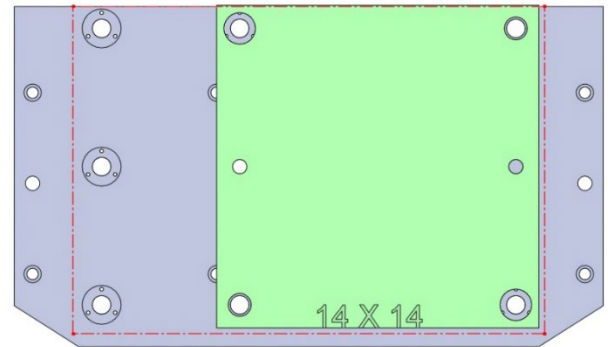


DT360D-001



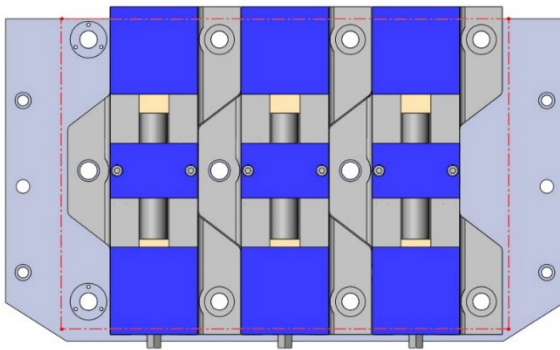
28705 Aluminum

28805 Steel



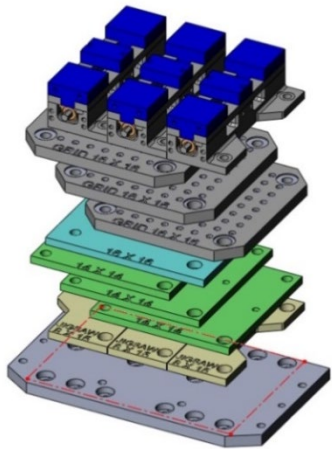
28713 Aluminum

28813 Steel

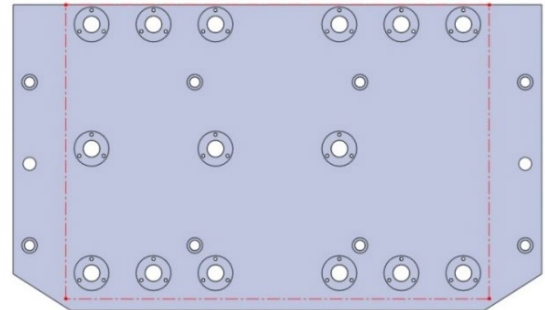


49405 4" Dual Station Production Vise

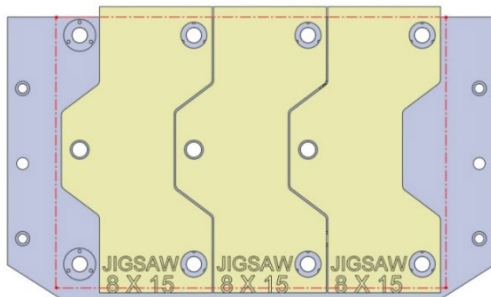
DT360D-002



25.6 X 14.7 X 1.125

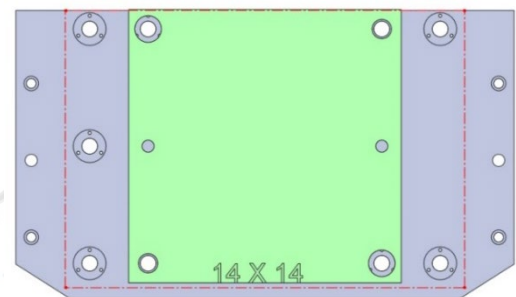


DT360D-002



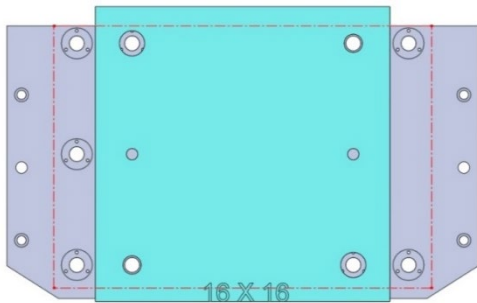
28705 Aluminum

28805 Steel



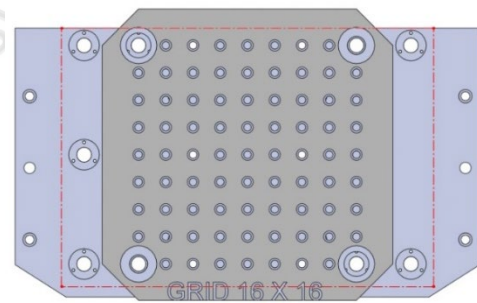
28713 Aluminum

28813 Steel

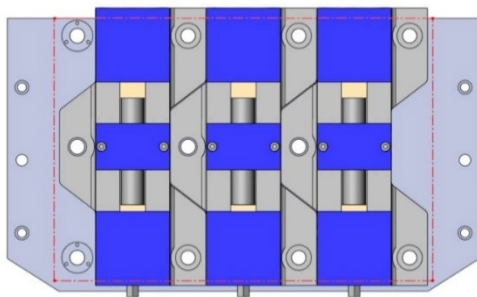


28715 Aluminum

28815 Steel

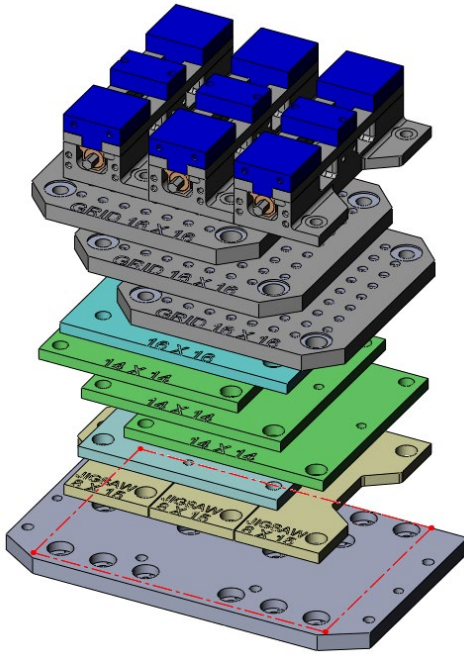


28801 Steel Grid Fixture Plate

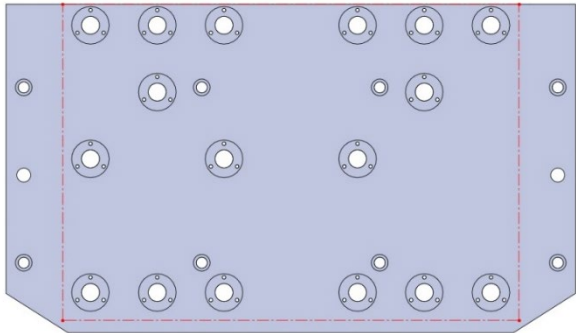


49405 4" Dual Station Production Vise

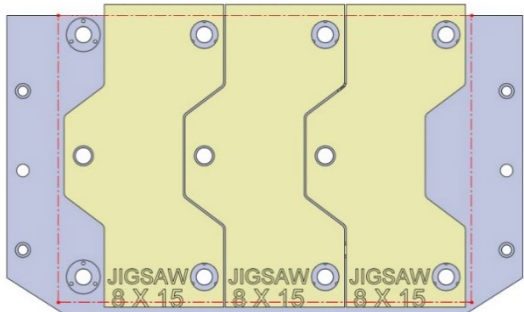
DT360D-003



25.6 X 14.7 X 1.125

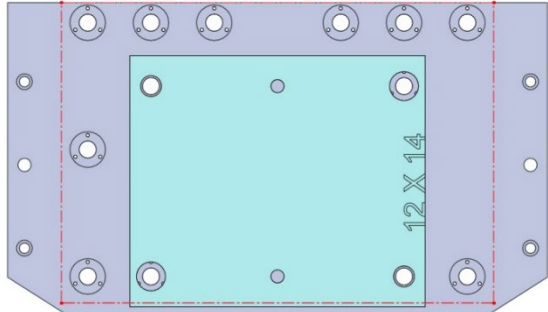


DT360D-003



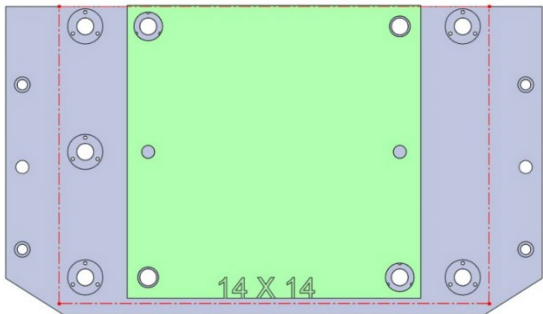
28705 Aluminum

28805 Steel



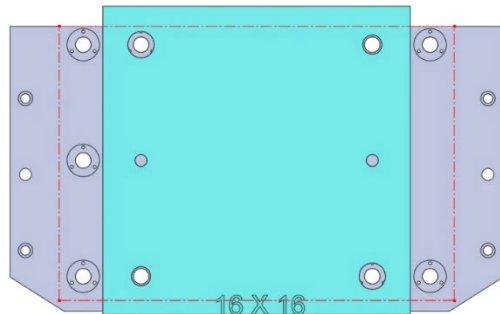
28711 Aluminum

28811 Steel



28713 Aluminum

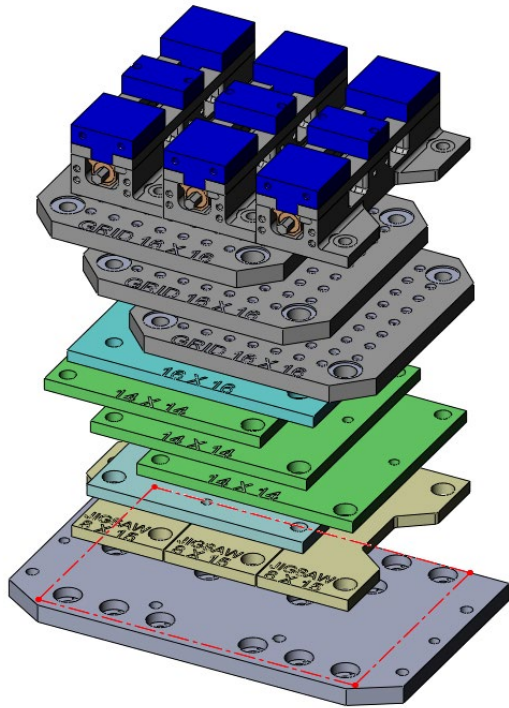
28813 Steel



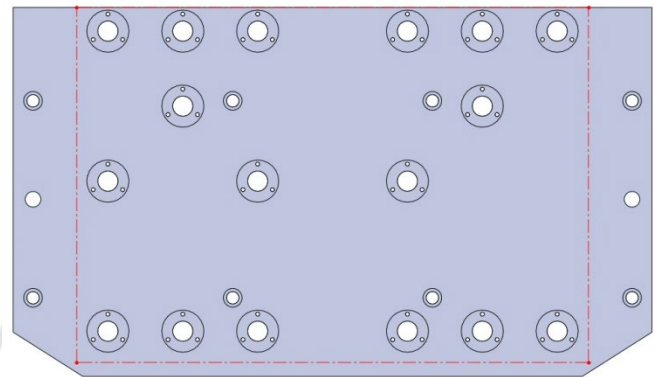
28715 Aluminum

28815 Steel

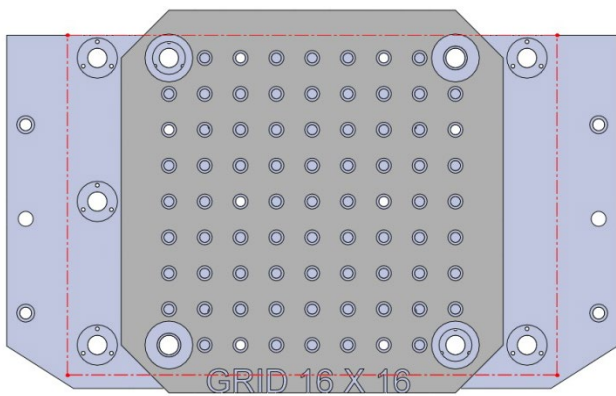
DT360D-003 (CONTINUED)



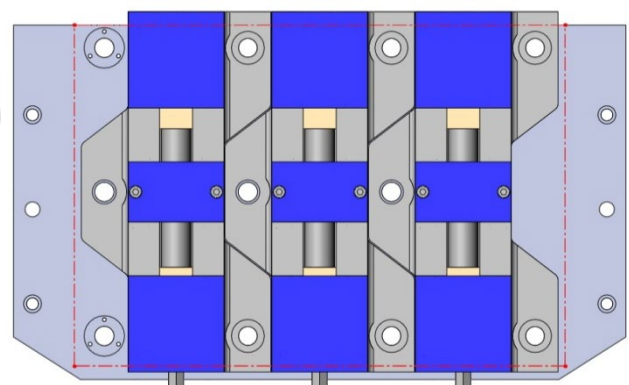
25.6 X 14.7 X 1.125



DT360D-003

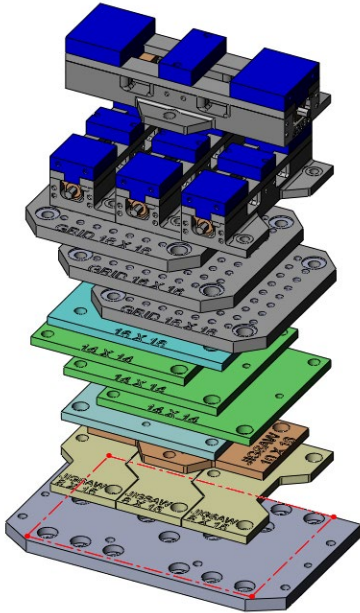


28801 Steel Grid Fixture Plate

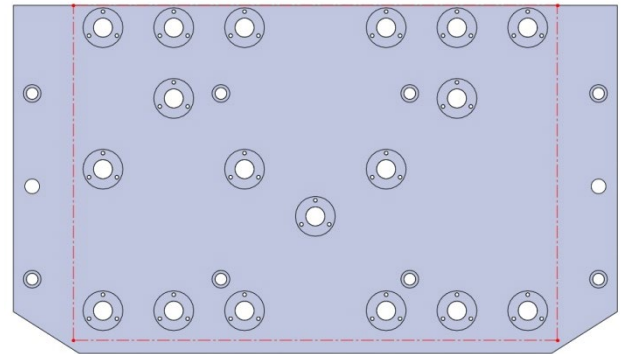


49405 4" Dual Station Production Vise

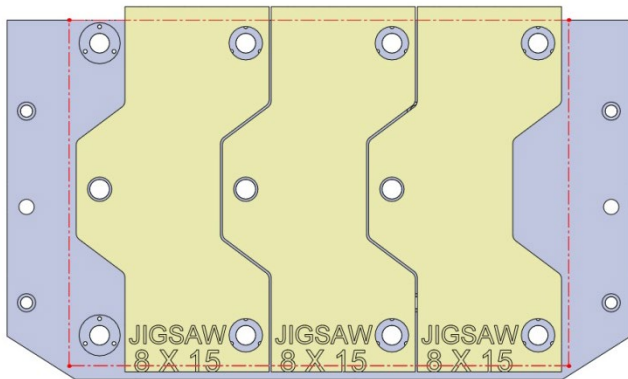
DT360D-004



25.6 X 14.7 X 1.125

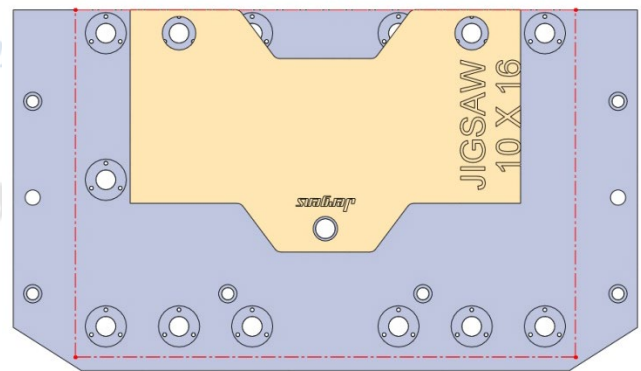


DT360D-004



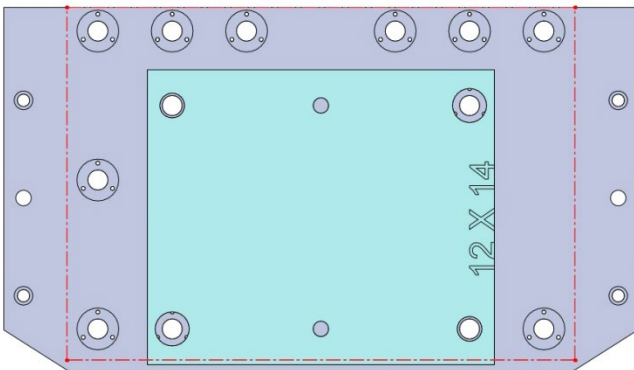
28705 Aluminum

28805 Steel



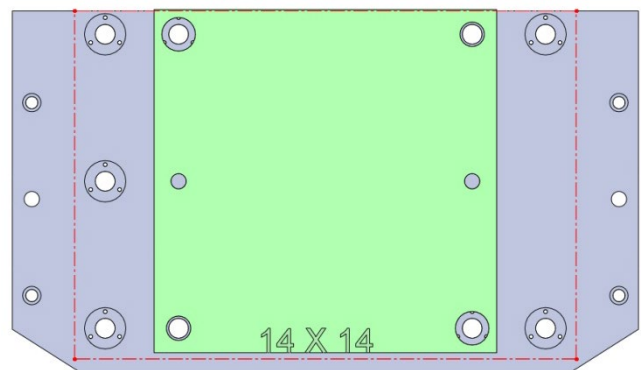
28706 Aluminum

28806 Steel



28711 Aluminum

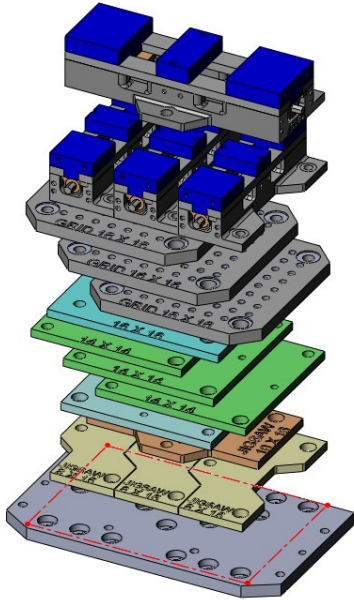
28811 Steel



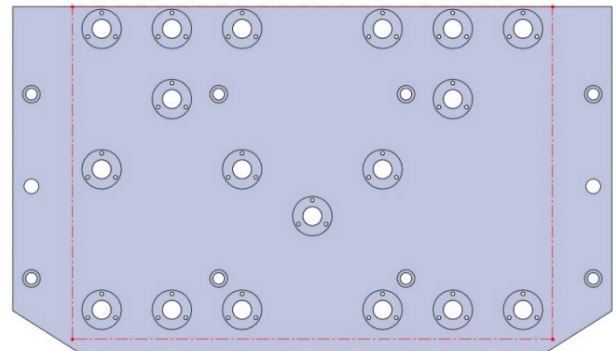
28713 Aluminum

28813 Steel

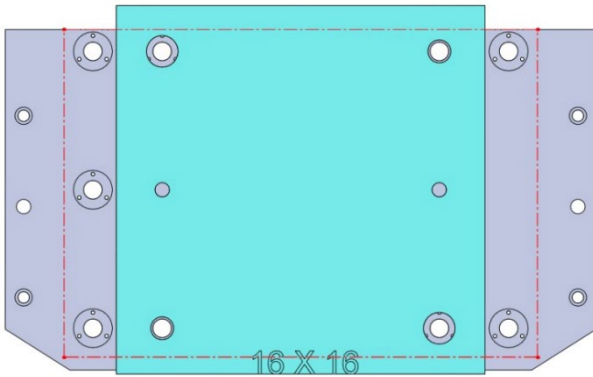
DT360D-004 (CONTINUED)



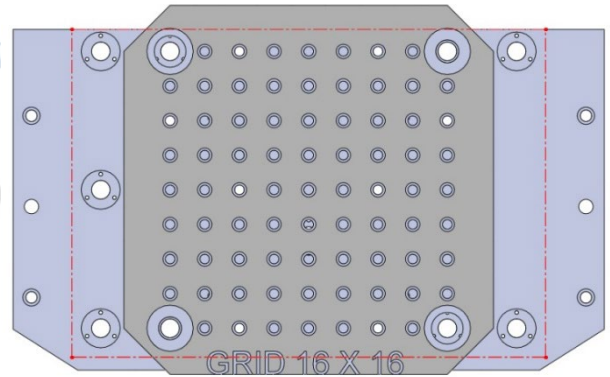
25.6 X 14.7 X 1.125



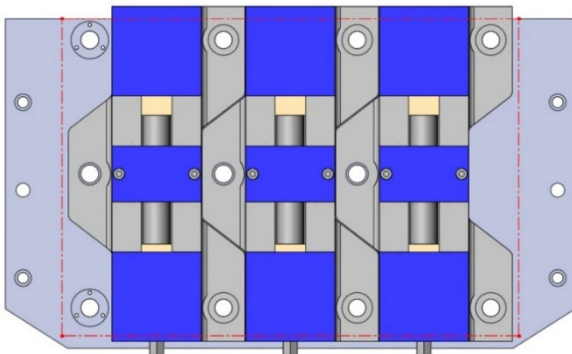
DT360D-004



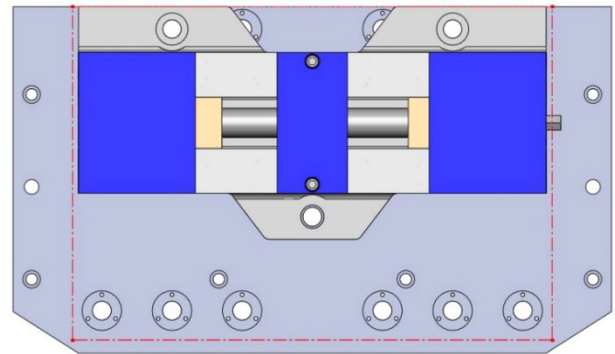
28715 Aluminum 28815 Steel



28801 Steel Grid Fixture Plate



49405 4" Dual Station Production Vise



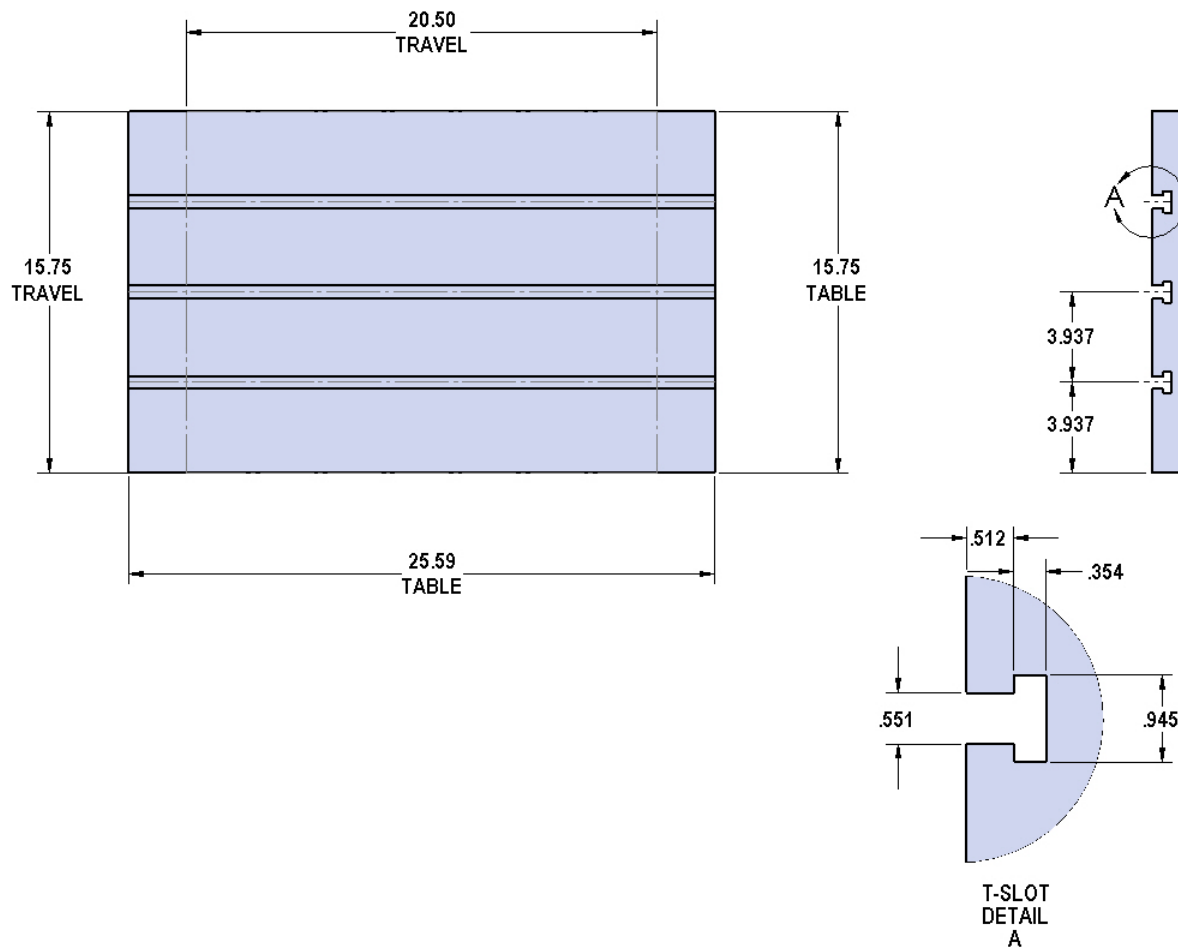
49406 6" Dual Station Production Vise

DT400

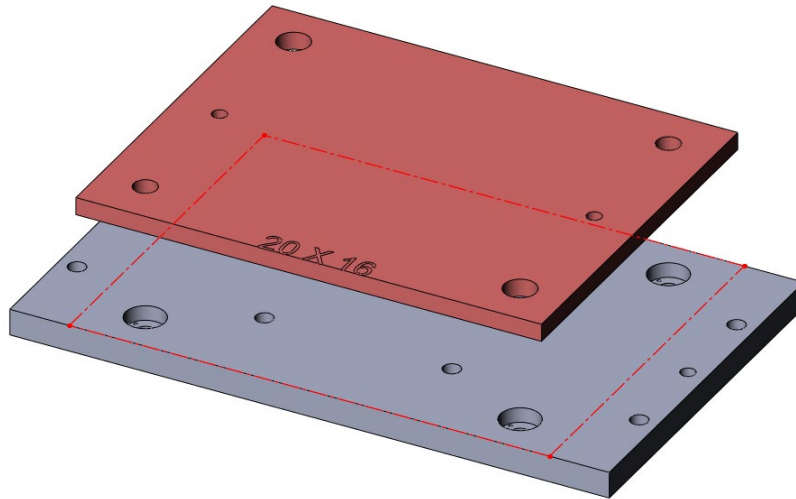
Table Specifications



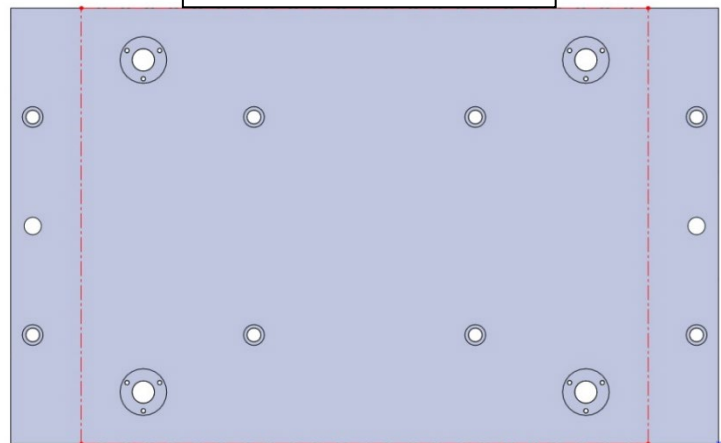
Table Travel (X,Y,Z): 20.50" x 15.75" x 13.8"
 Table Dimensions (L x W): 25.59" x 15.75"
 Maximum Weight on Table: 330.6 lbs
 T-Slot Width: .551" (14mm)
 T-Slot Center Distance: 3.937" (100mm)



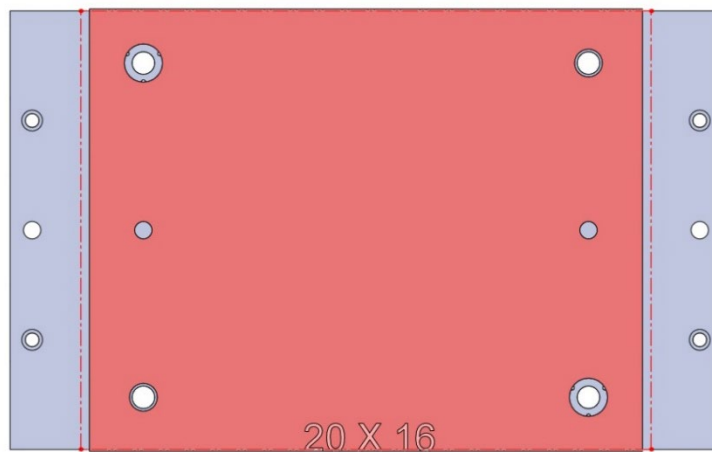
DT400-001



25.6 X 15.75 X 1.125



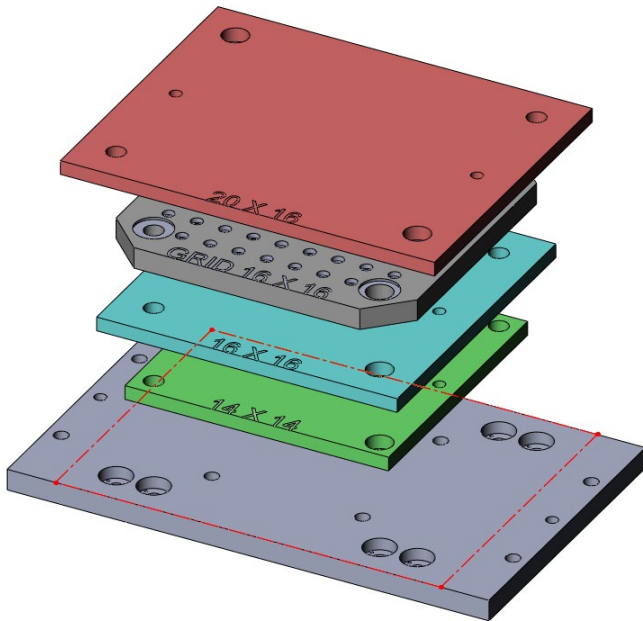
DT400-001



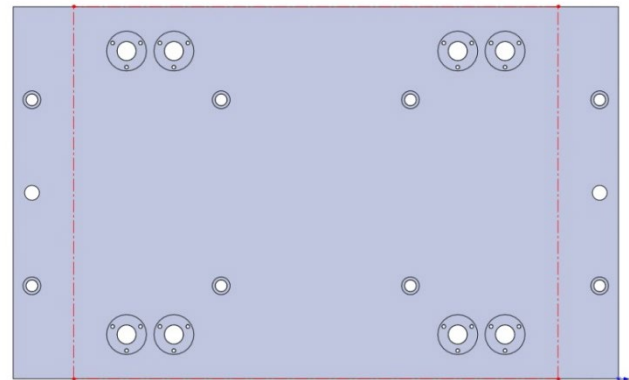
28719 Aluminum

28819 Steel

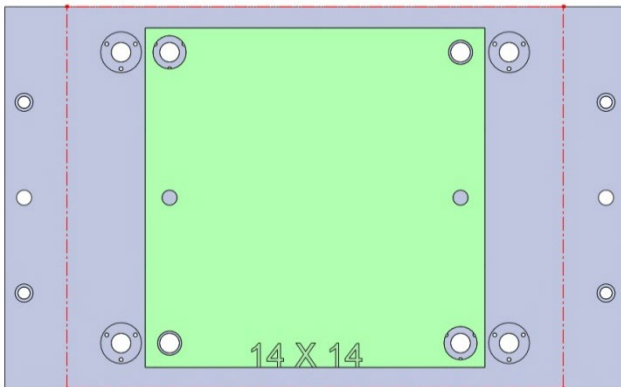
DT400-002



25.6 X 15.75 X 1.125

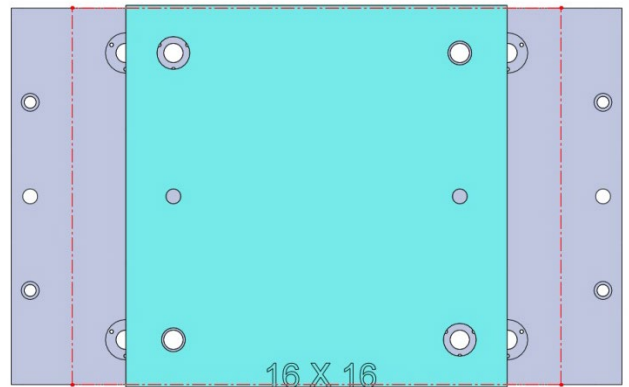


DT400-002



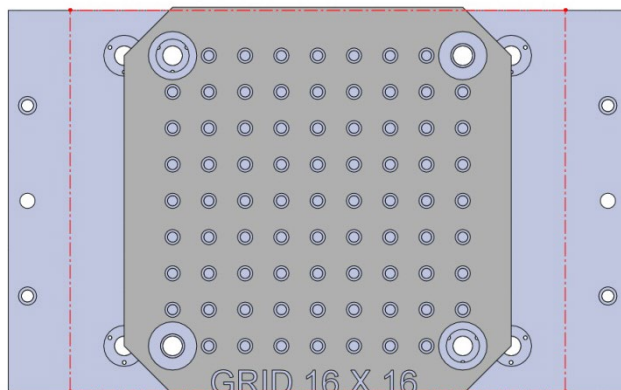
28713 Aluminum

28813 Steel

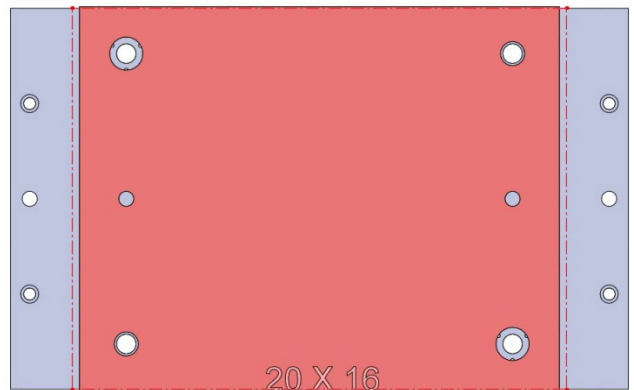


28715 Aluminum

28815 Steel



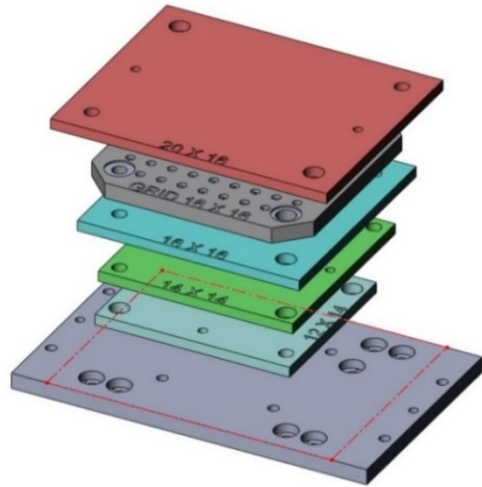
28801 Steel Grid Fixture Plate



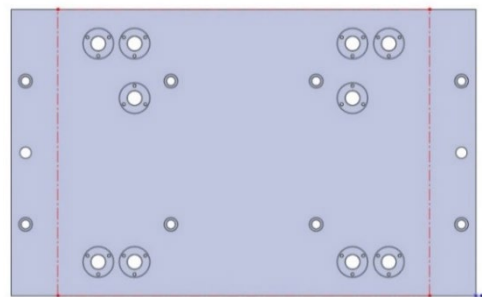
28719 Aluminum

28819 Steel

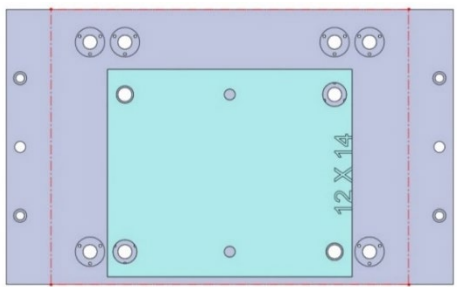
DT400-003



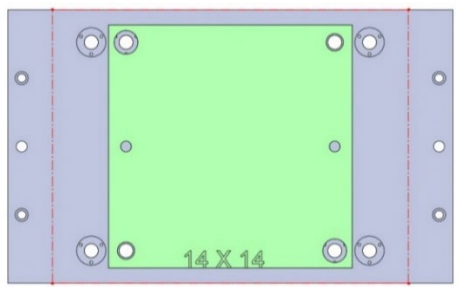
25.6 X 15.75 X 1.125



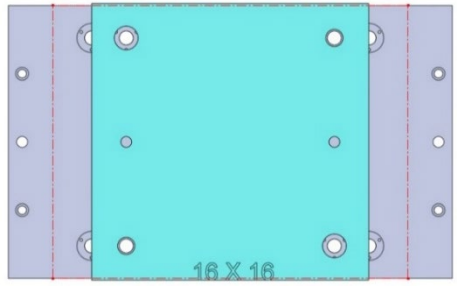
DT400-003



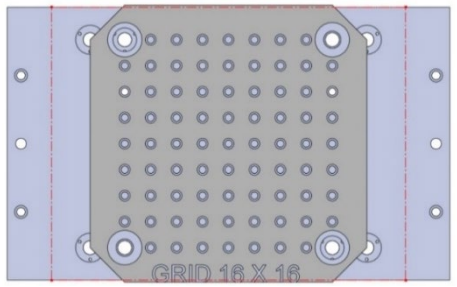
28711 Aluminum 28811 Steel



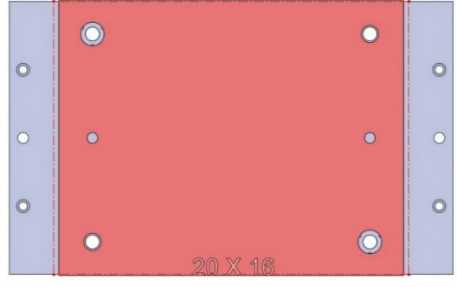
28713 Aluminum 28813 Steel



28715 Aluminum 28815 Steel



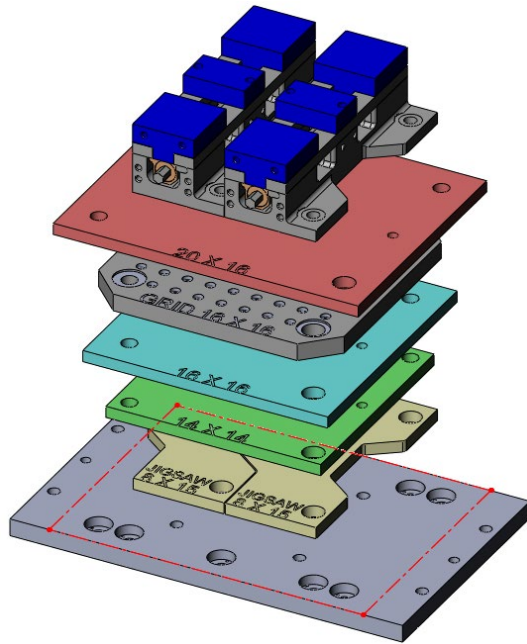
28801 Steel Grid Fixture Plate



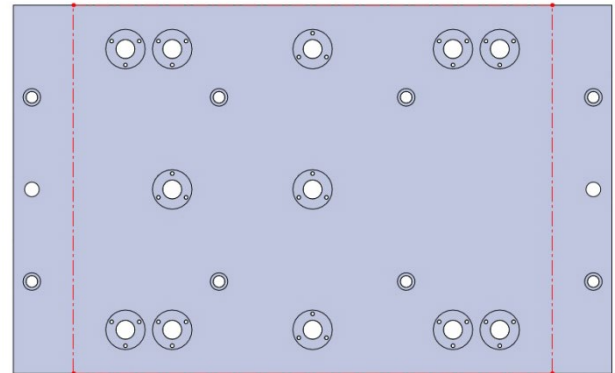
28719 Aluminum 28819 Steel

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Inc. 2015

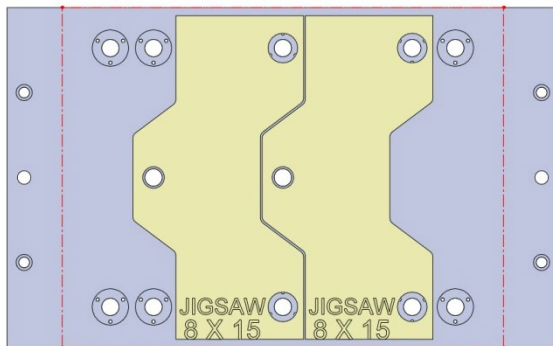
DT400-004



25.6 X 15.75 X 1.125

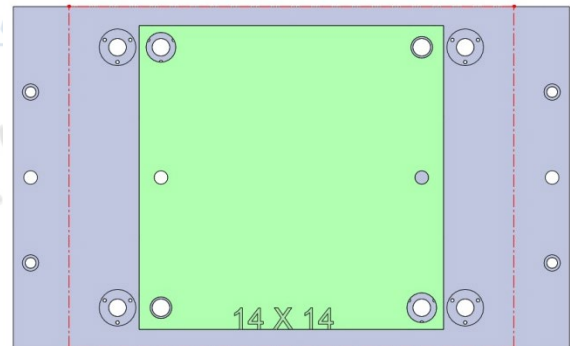


DT400-004



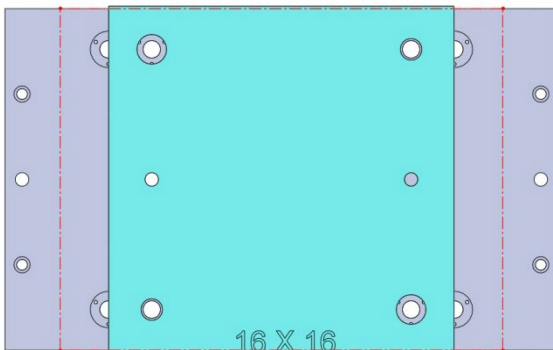
28705 Aluminum

28805 Steel



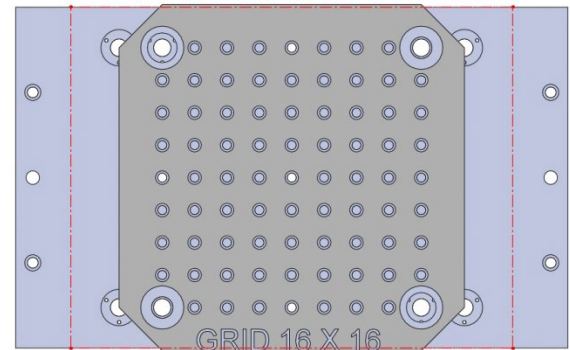
28713 Aluminum

28813 Steel



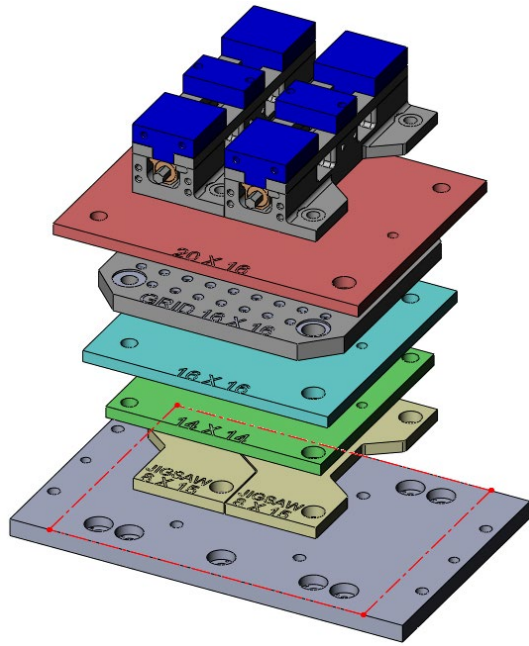
28715 Aluminum

28815 Steel

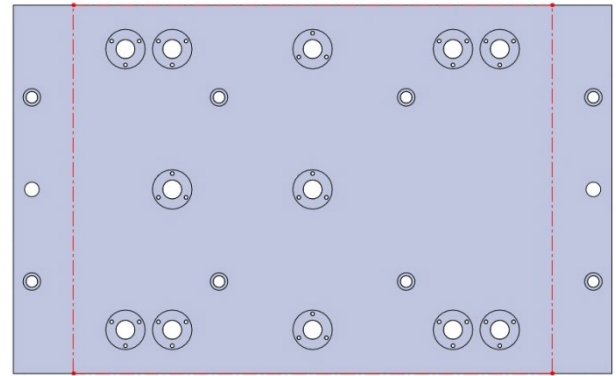


28801 Steel Grid Fixture Plate

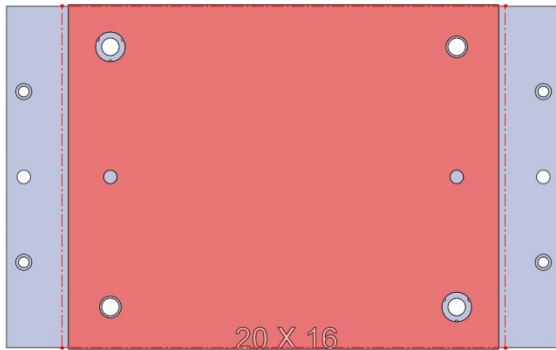
DT400-004 (CONTINUED)



25.6 X 15.75 X 1.125

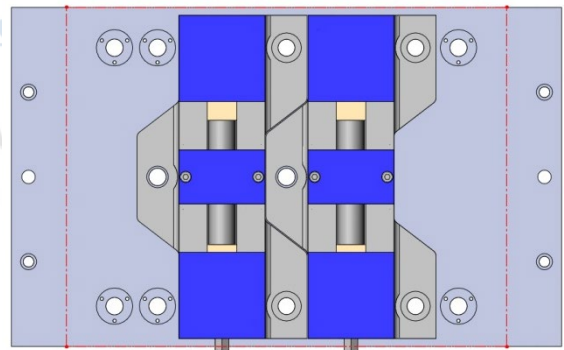


DT400-004



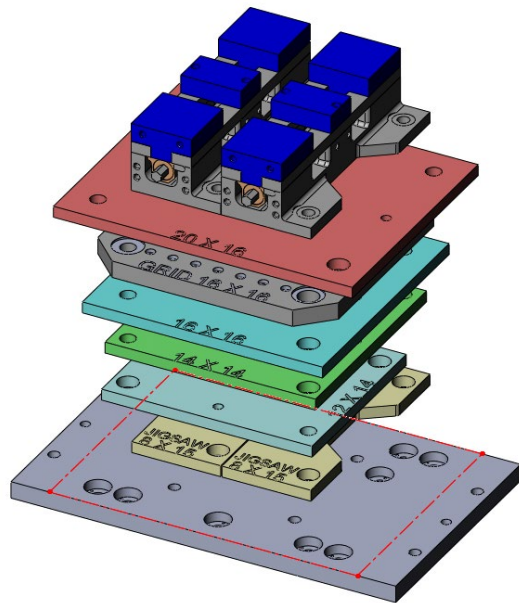
28719 Aluminum

28819 Steel

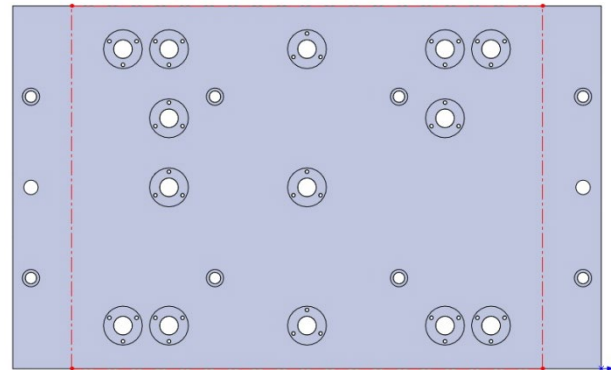


49405 4" Dual Station Production Vise

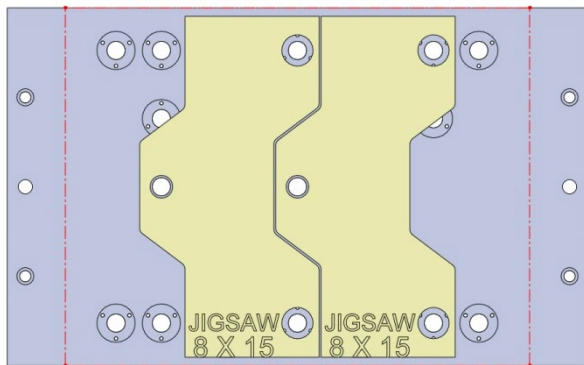
DT400-005



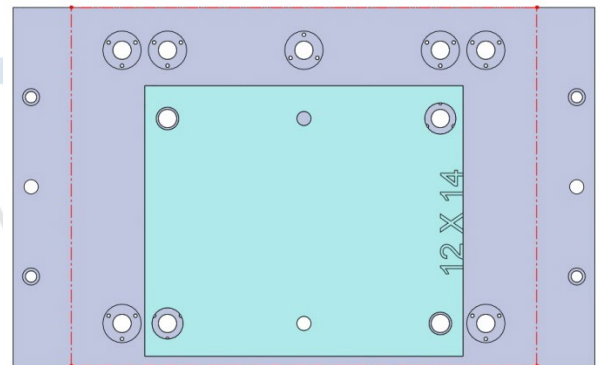
25.6 X 15.75 X 1.125



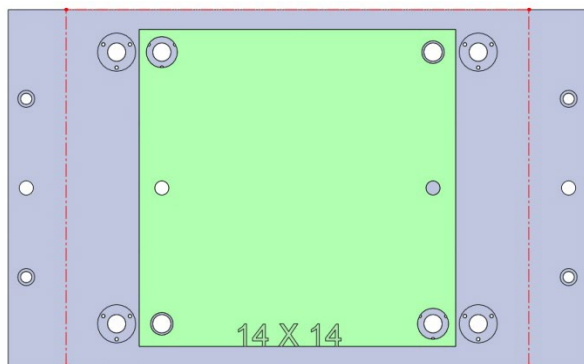
DT400-005



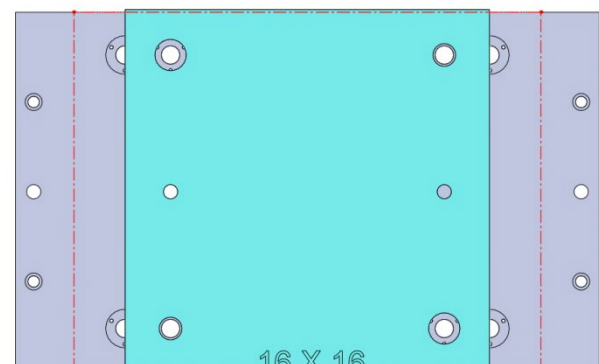
28705 Aluminum 28805 Steel



28711 Aluminum 28811 Steel

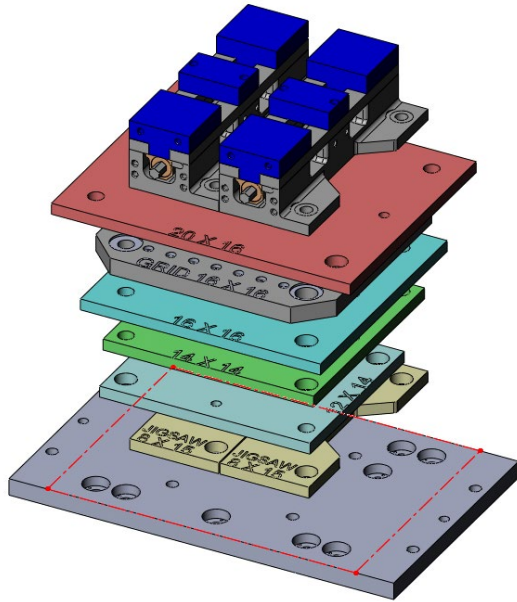


28713 Aluminum 28813 Steel

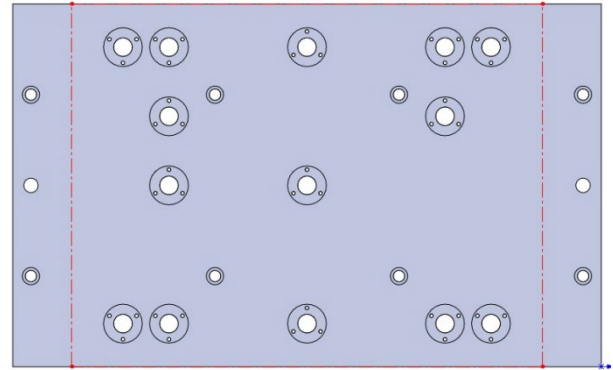


28715 Aluminum 28815 Steel

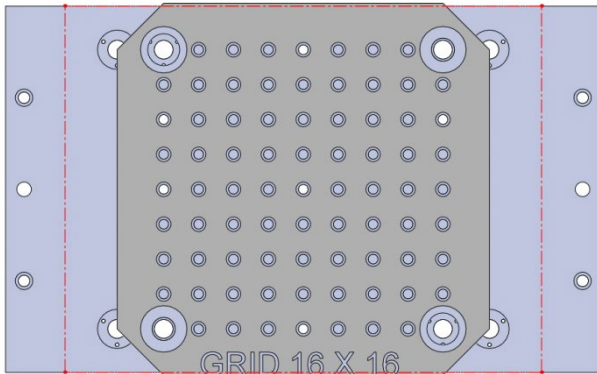
DT400-005 (CONTINUED)



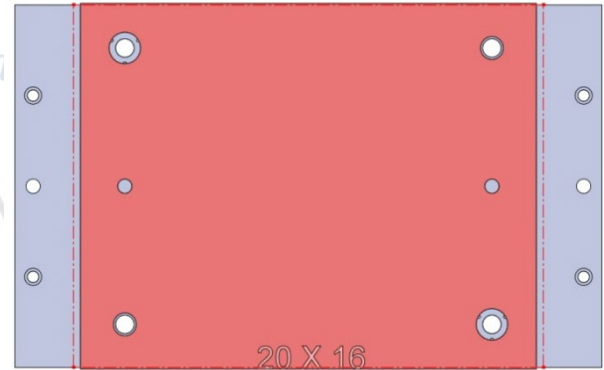
25.6 X 15.75 X 1.125



DT400-005

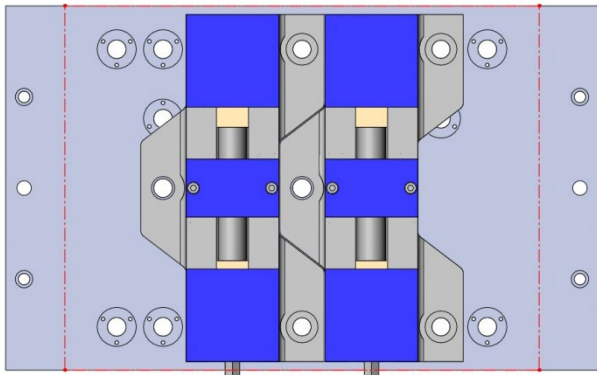


28801 Steel Grid Fixture Plate



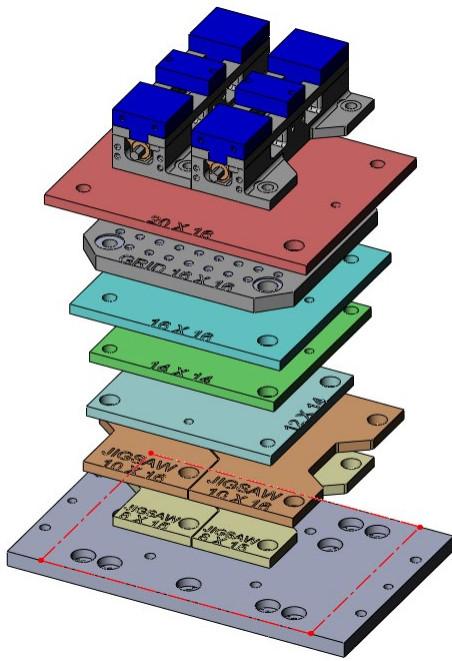
28719 Aluminum

28819 Steel

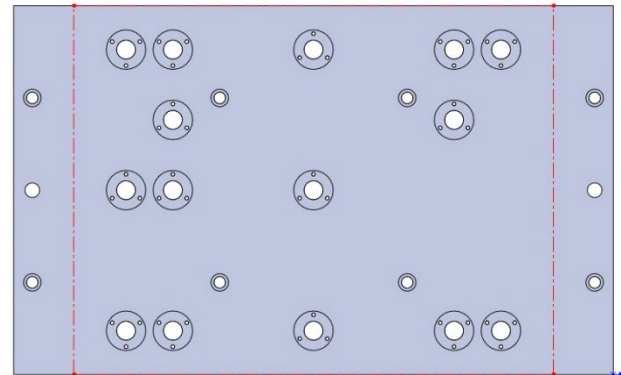


49405 4" Dual Station Production Vice

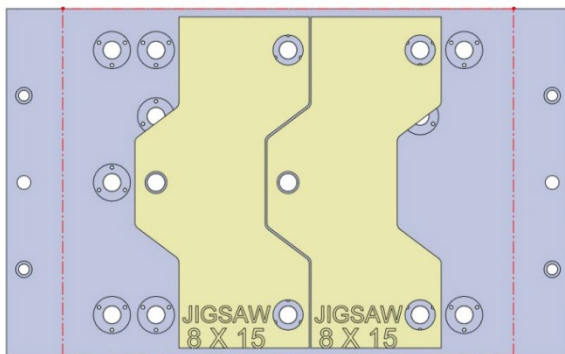
DT400-006



25.6 X 15.75 X 1.125

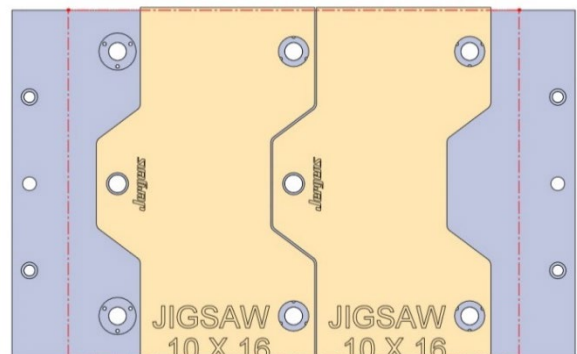


DT400-006



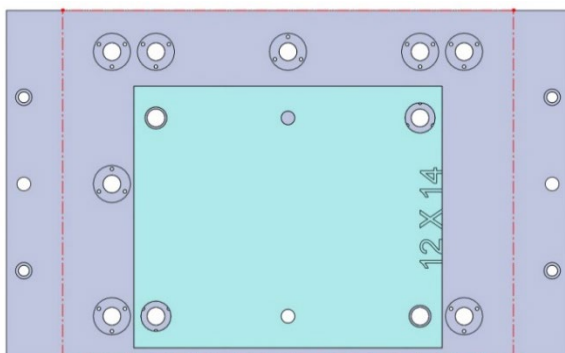
28705 Aluminum

28805 Steel



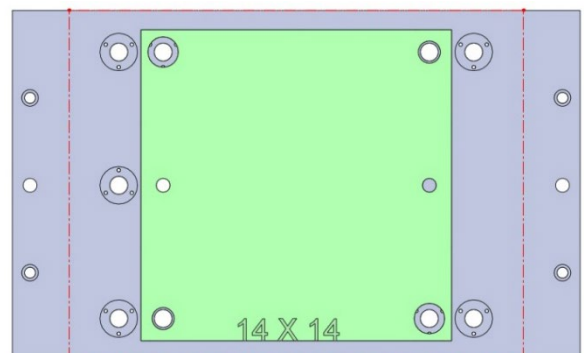
28706 Aluminum

28806 Steel



28711 Aluminum

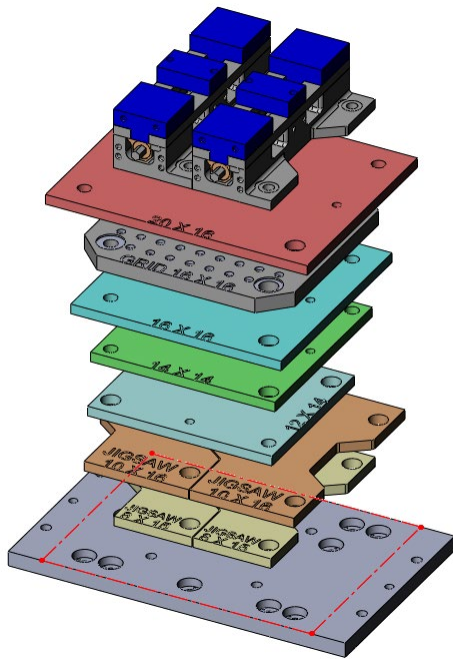
28811 Steel



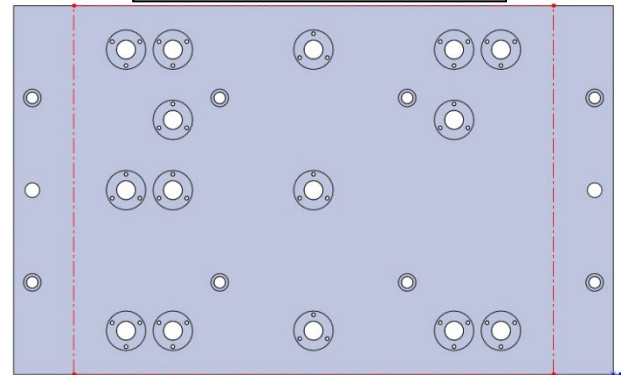
28713 Aluminum

28813 Steel

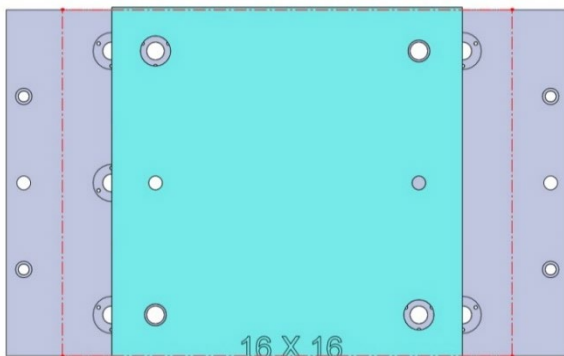
DT400-006 (CONTINUED)



25.6 X 15.75 X 1.125

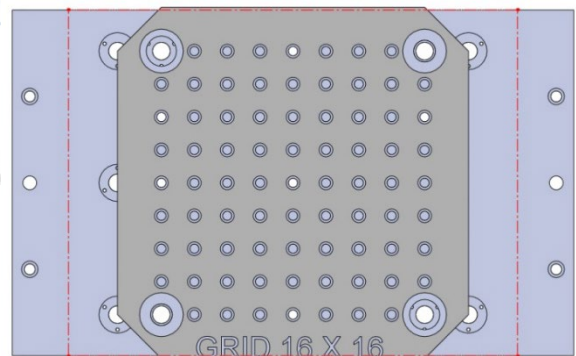


DT400-006

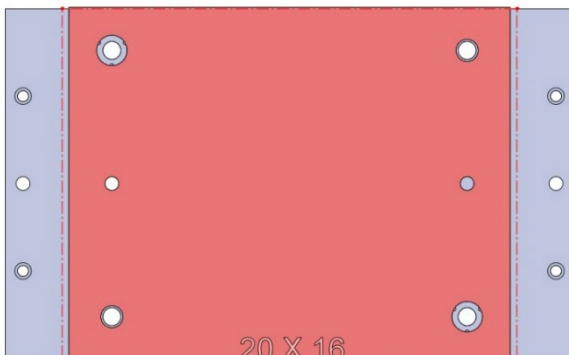


28715 Aluminum

28815 Steel

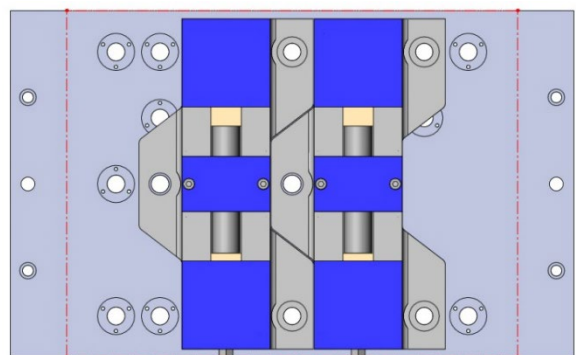


28801 Steel Grid Fixture Plate



28719 Aluminum

28819 Steel

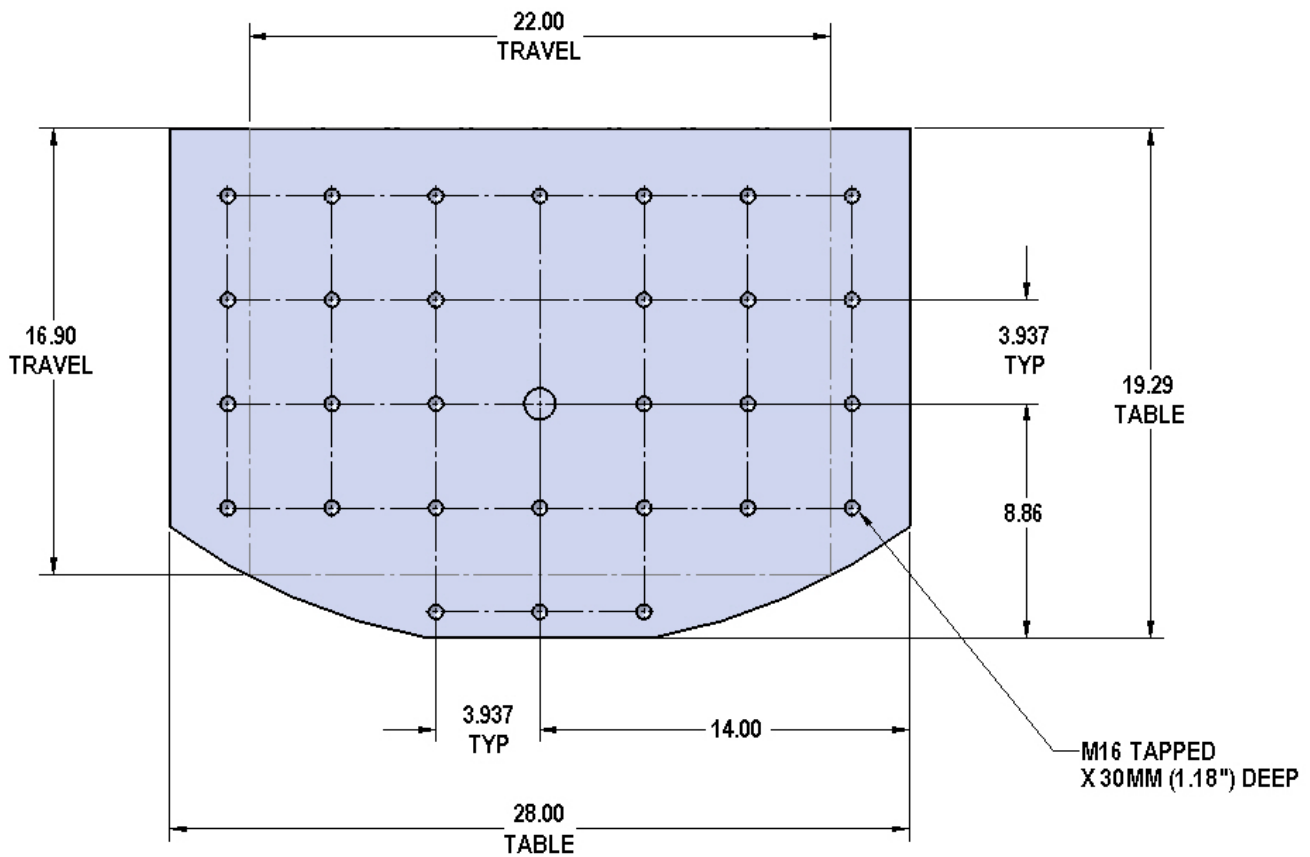


49405 4" Dual Station Production Vise

VC430

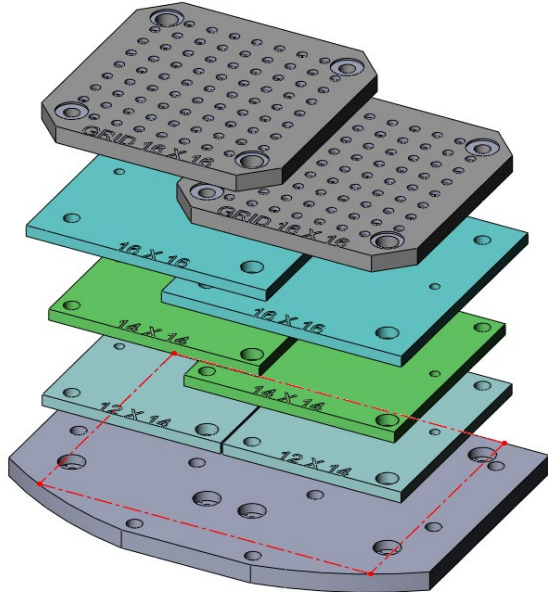
Table Specifications

Table Travel (X,Y,Z): 22.0" x 16.9" x 22.44"
 Table Dimensions (L x W): 28.00" x 19.29"
 Maximum Weight on Table: 661.4 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing: 3.937" (100mm)

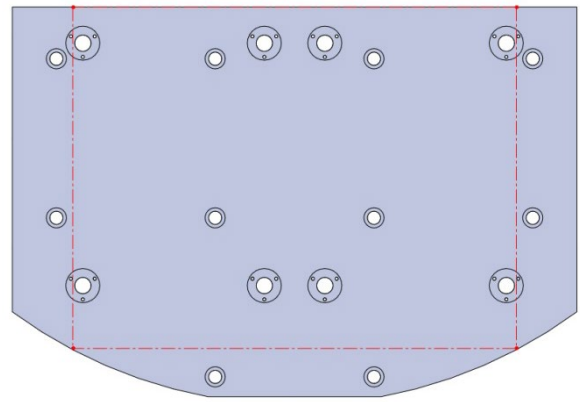


DUAL PALLET
TAPPED STYLE

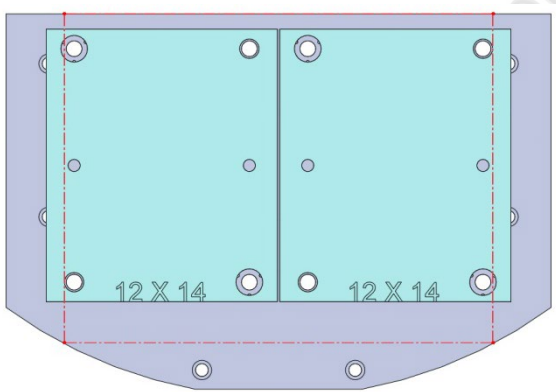
VC430-001



28 X 19.29 X 1.125

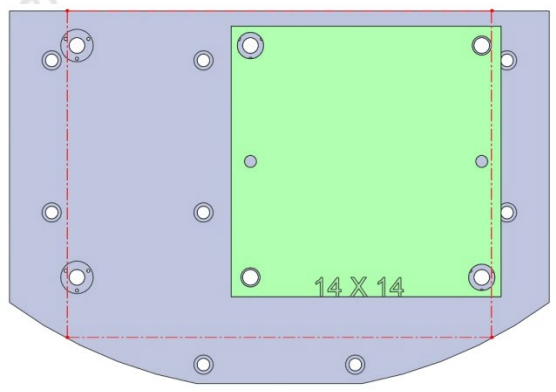


VC430-001



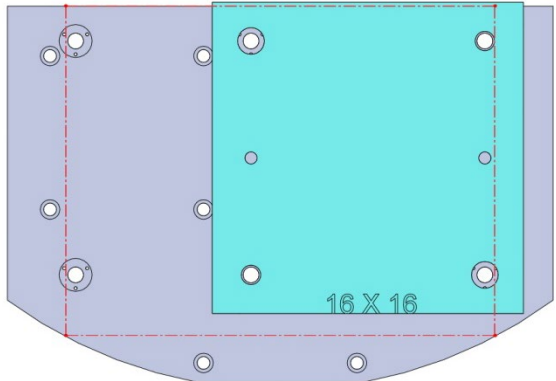
28711 Aluminum

28811 Steel



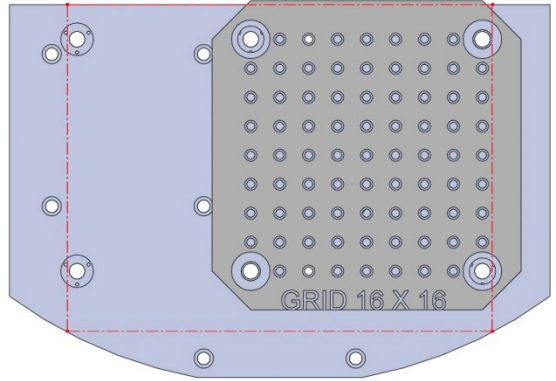
28713 Aluminum

28813 Steel



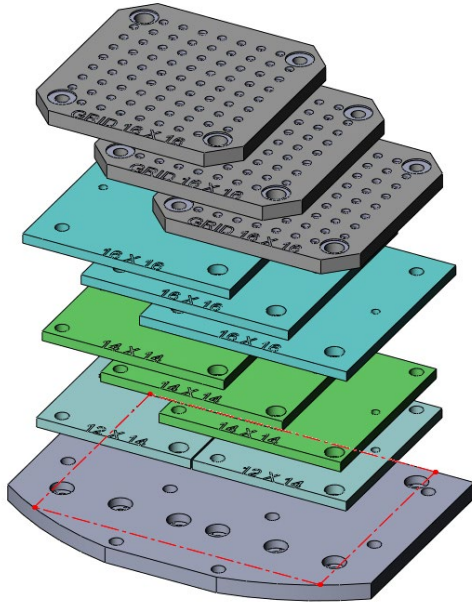
28715 Aluminum

28815 Steel

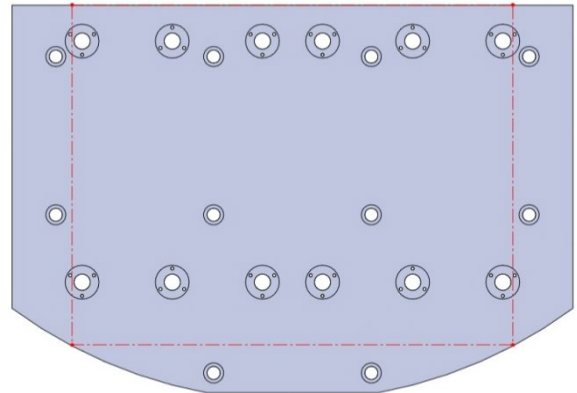


28801 Steel Grid Fixture Plate

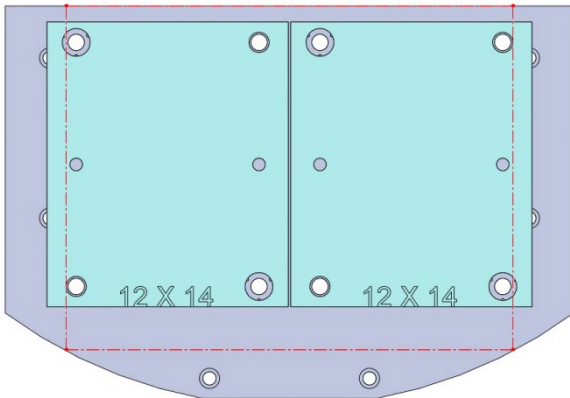
VC430-002



28 X 19.29 X 1.125

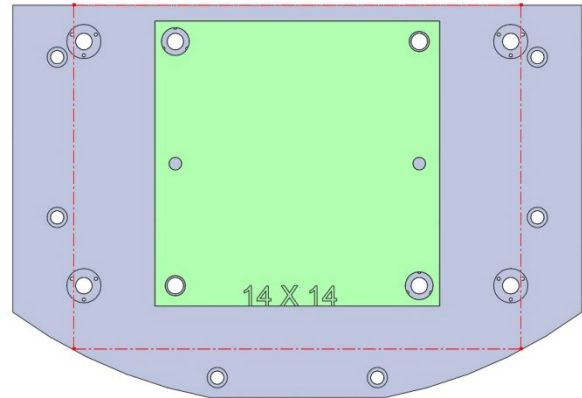


VC430-002



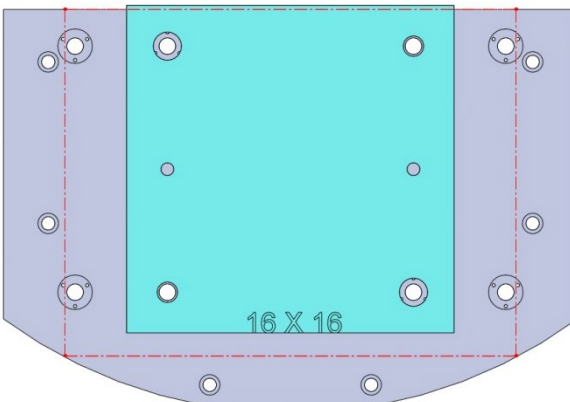
28711 Aluminum

28811 Steel



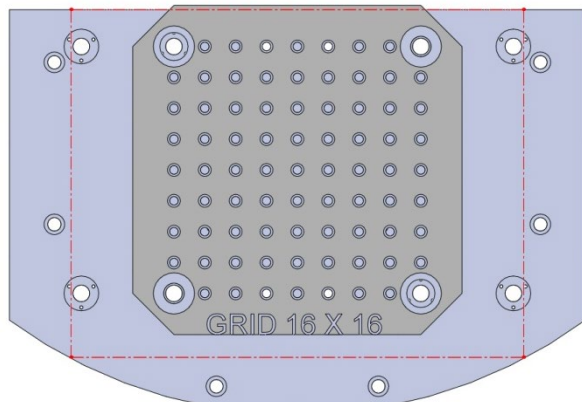
28713 Aluminum

28813 Steel



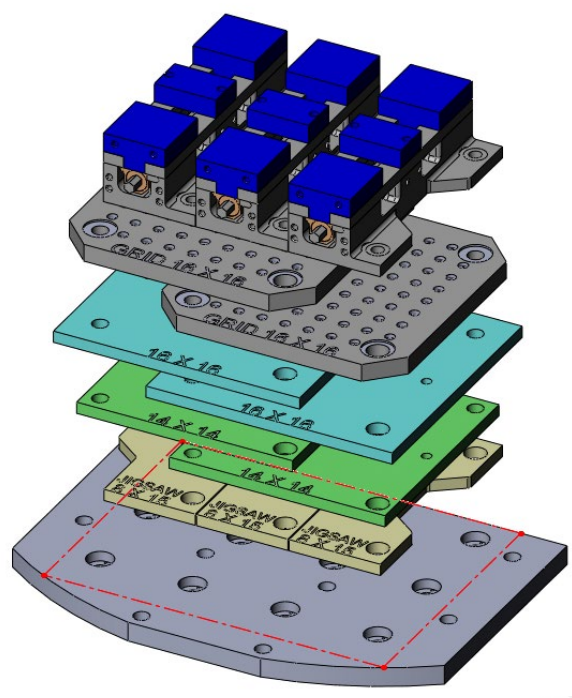
28715 Aluminum

28815 Steel

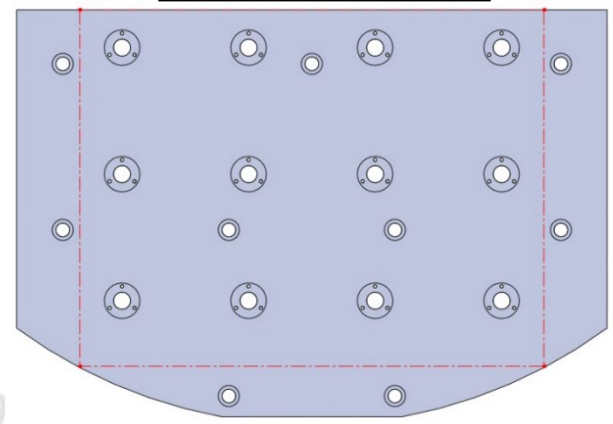


28801 Steel Grid Fixture Plate

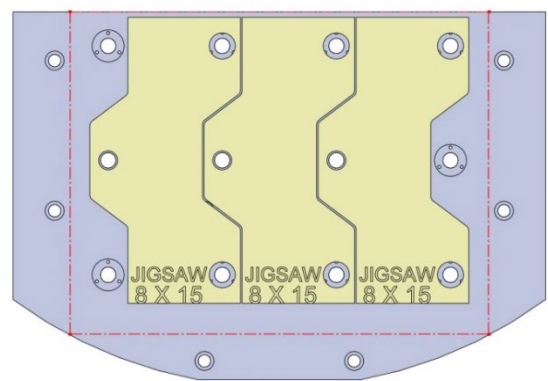
VC430-003



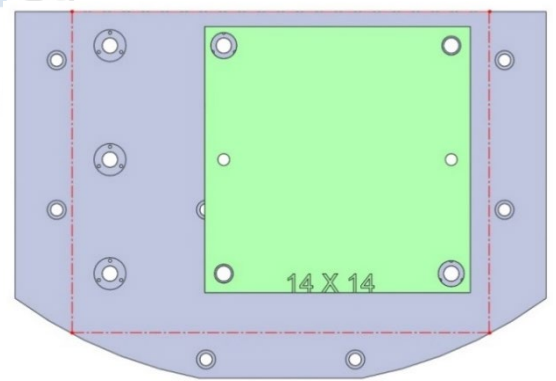
28 X 19.29 X 1.125



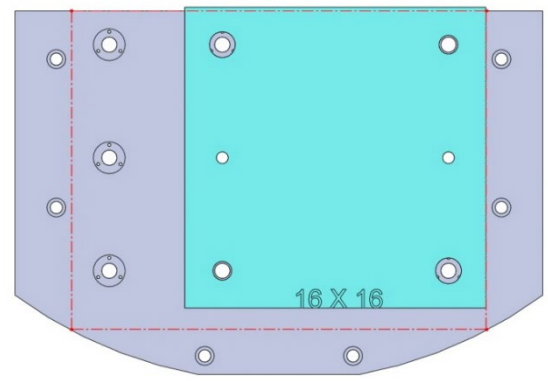
VC430-003



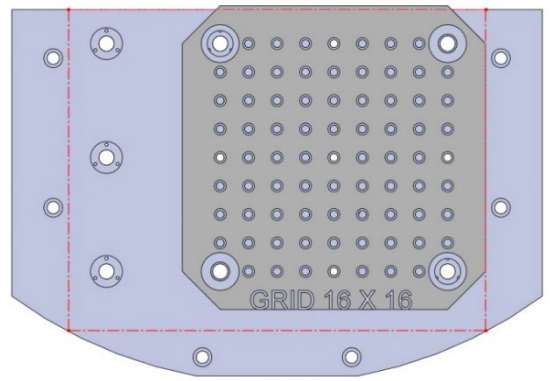
28705 Aluminum 28805 Steel



28713 Aluminum 28813 Steel



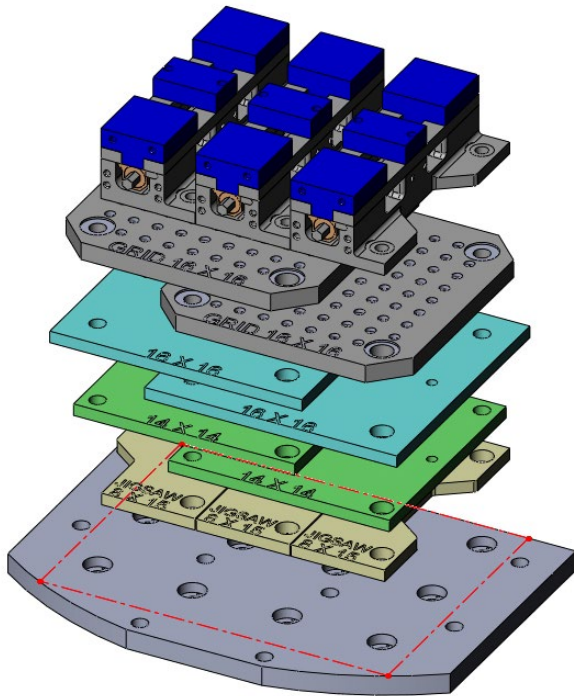
28715 Aluminum 28815 Steel



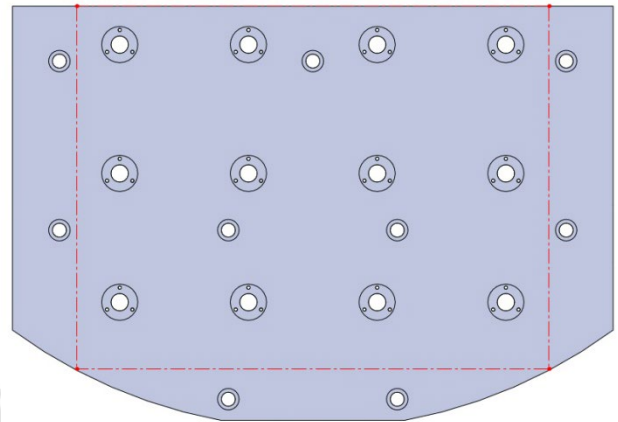
28801 Steel Grid Fixture Plate

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VC430-003 (CONTINUED)

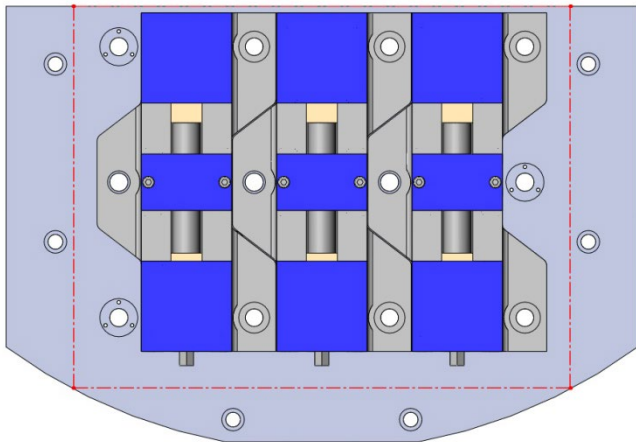


28 X 19.29 X 1.125



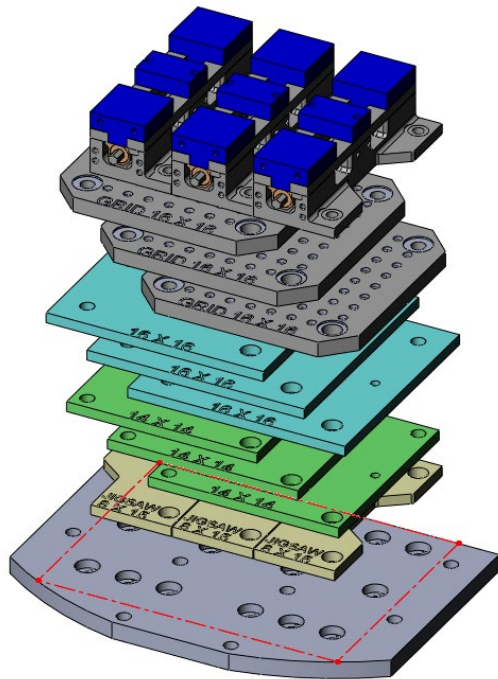
VC430-003

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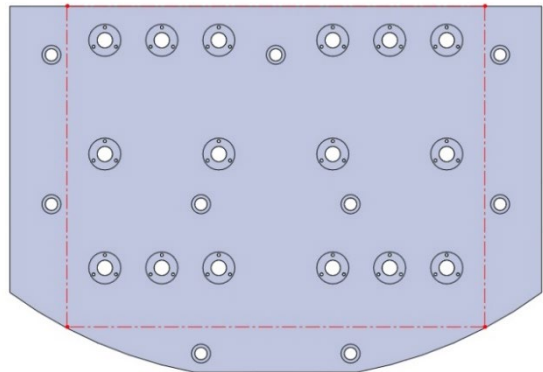


49405 4" Dual Station Production Vise

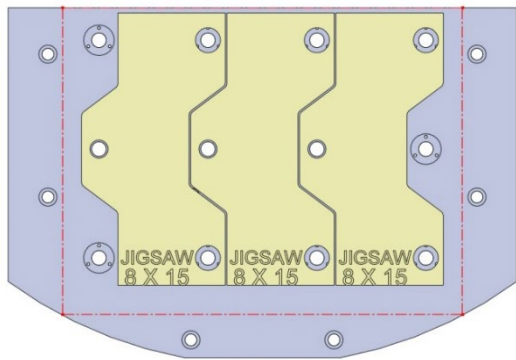
VC430-004



28 X 19.29 X 1.125

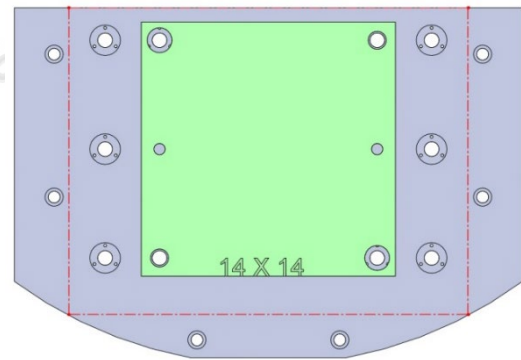


VC430-004



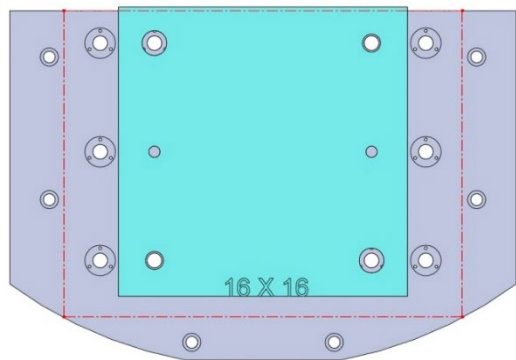
28705 Aluminum

28805 Steel



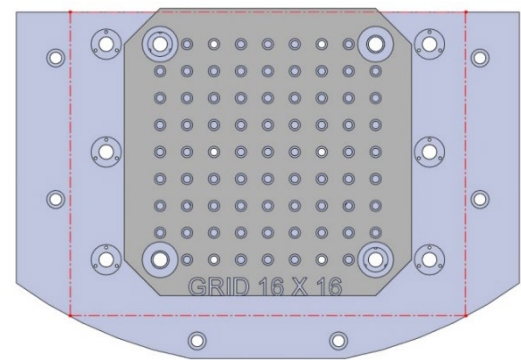
28713 Aluminum

28813 Steel



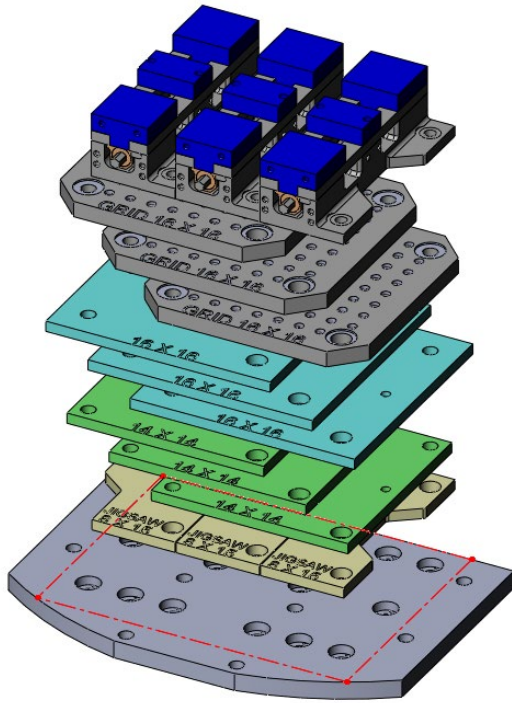
28715 Aluminum

28815 Steel

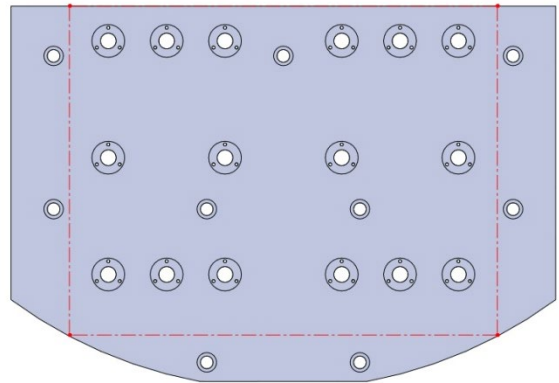


28801 Steel Grid Fixture Plate

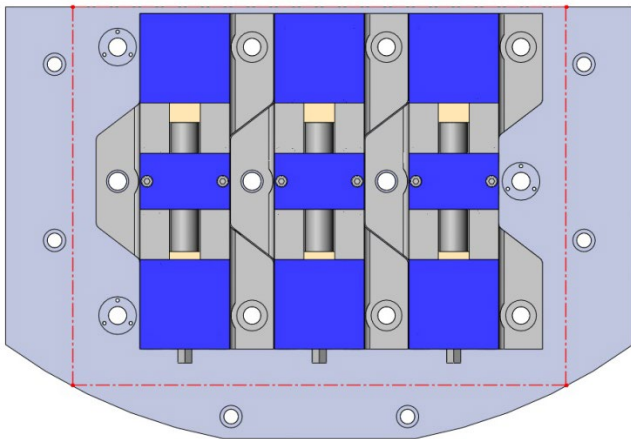
VC430-004 (CONTINUED)



28 X 19.29 X 1.125



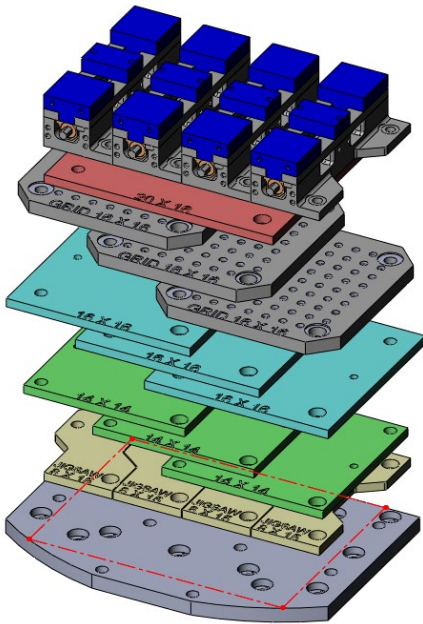
VC430-004



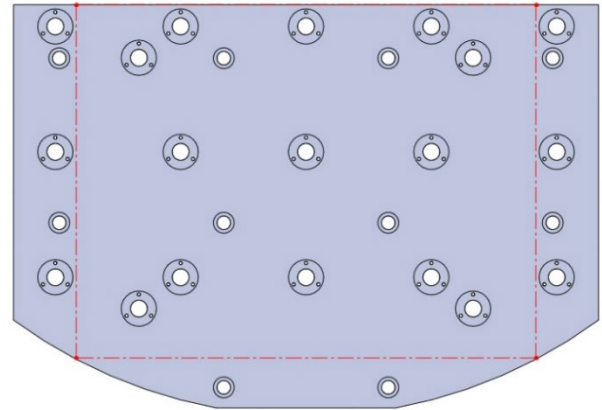
49405 4" Dual Station Production Vise

Copyright Jergens, Inc.

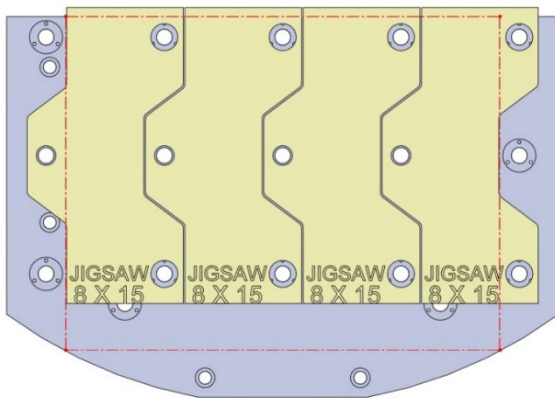
VC430-005



28 X 19.29 X 1.125

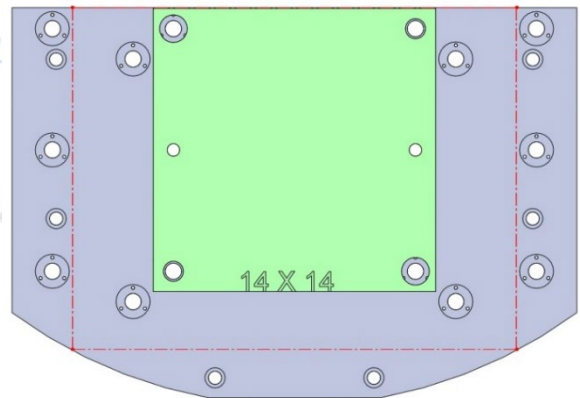


VC430-005



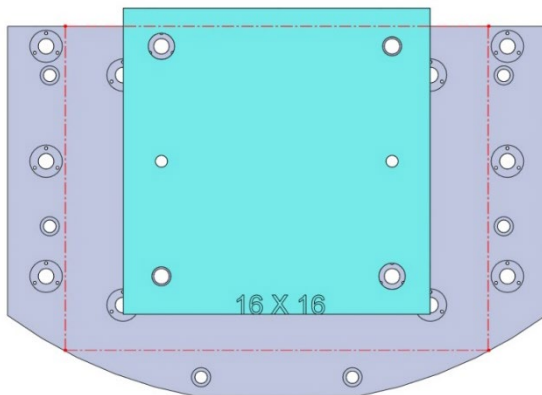
28705 Aluminum

28805 Steel



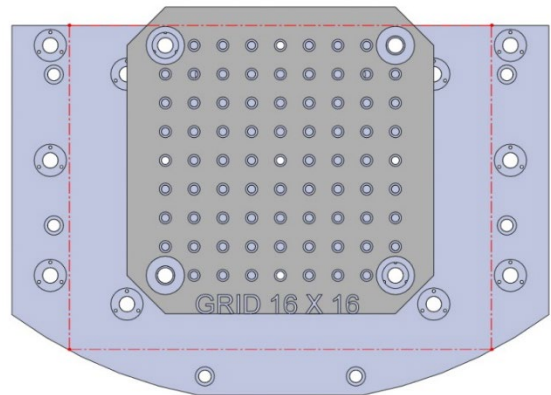
28713 Aluminum

28813 Steel



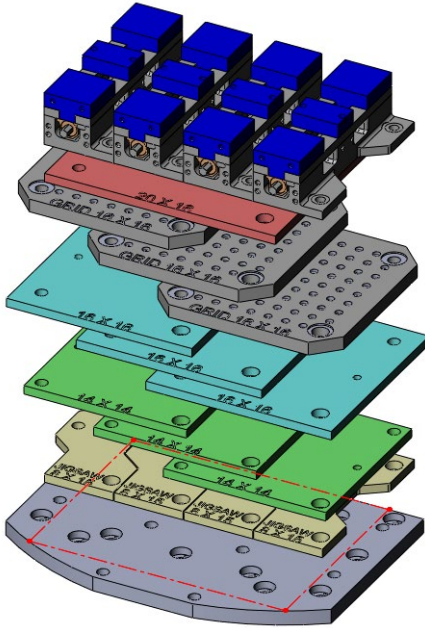
28715 Aluminum

28815 Steel

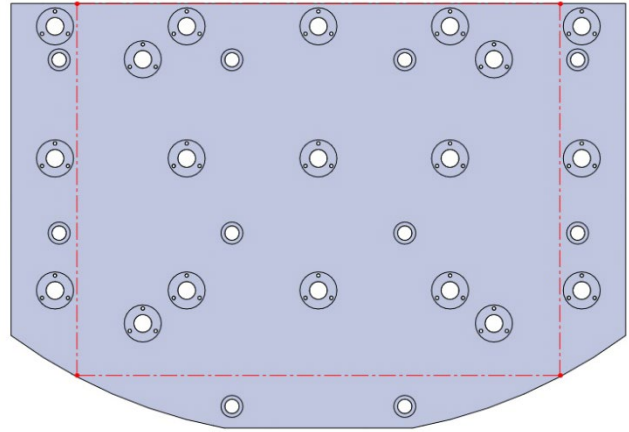


28801 Steel Grid Fixture Plate

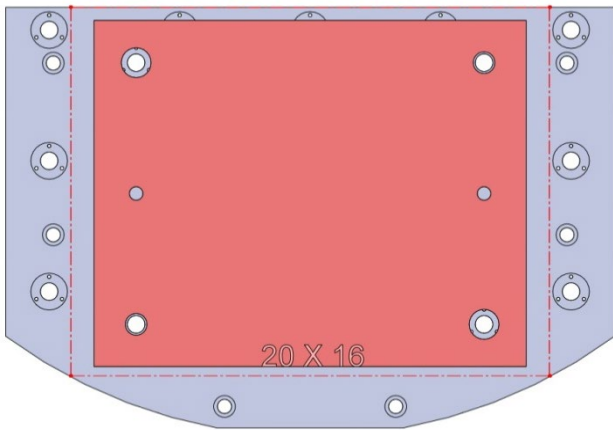
VC430-005 (CONTINUED)



28 X 19.29 X 1.125

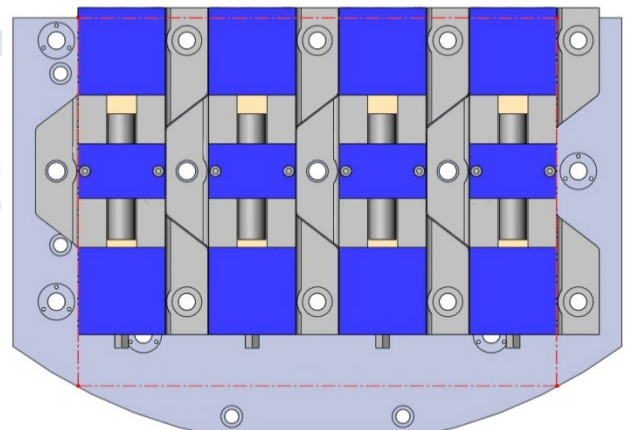


VC430-005



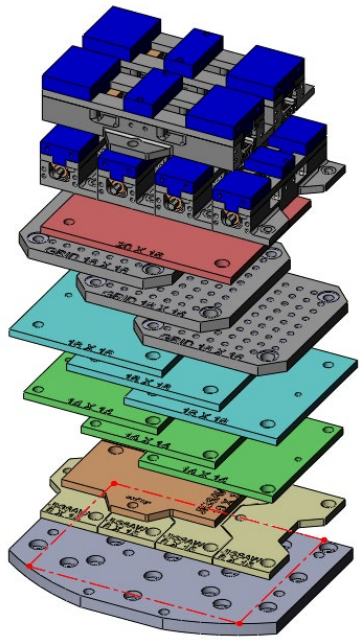
28719 Aluminum

28819 Steel

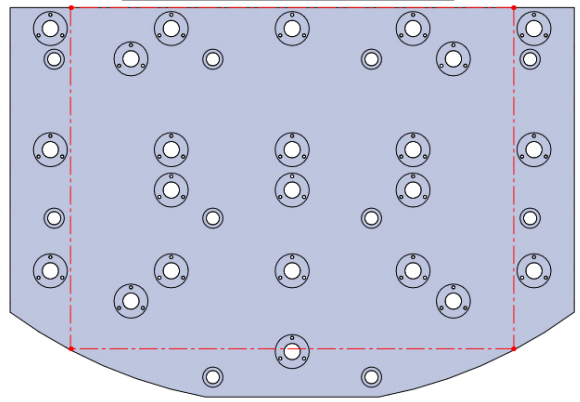


49405 4" Dual Station Production Vise

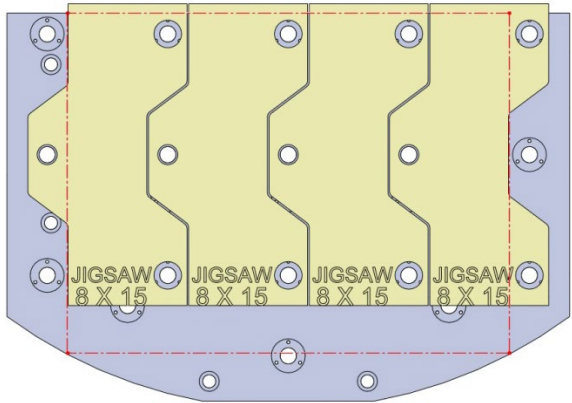
VC430-006



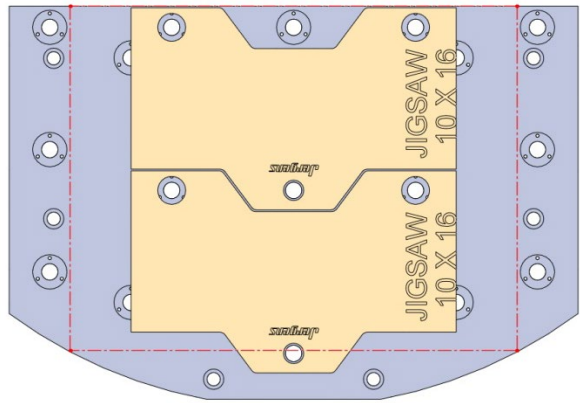
28 X 19.29 X 1.125



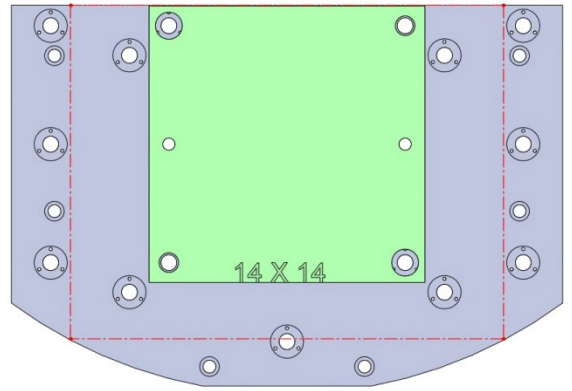
VC430-006



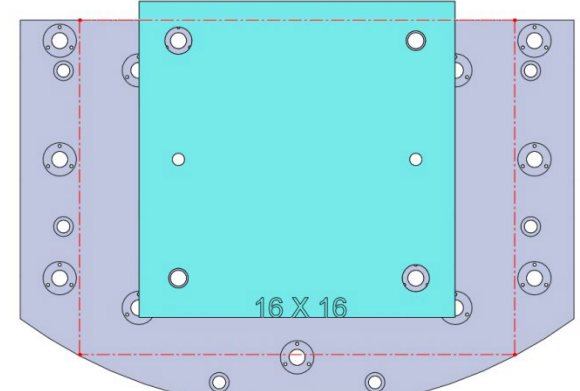
28705 Aluminum 28805 Steel



28706 Aluminum 28806 Steel

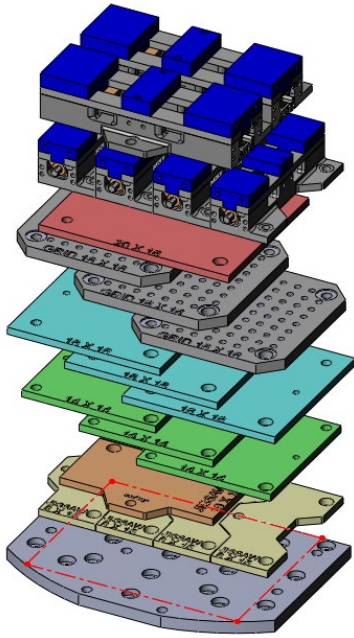


28713 Aluminum 28813 Steel

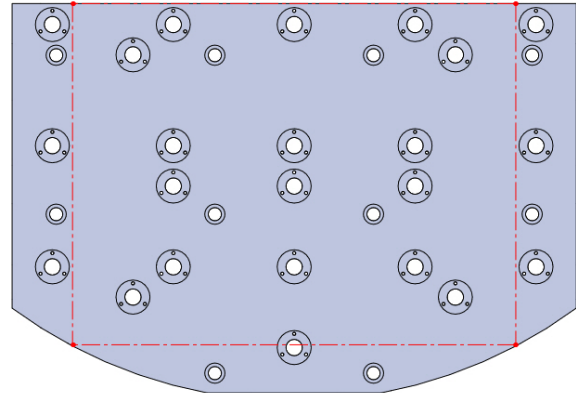


28715 Aluminum 28815 Steel

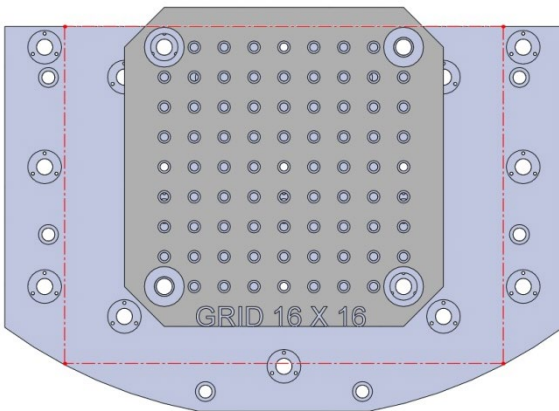
VC430-006 (CONTINUED)



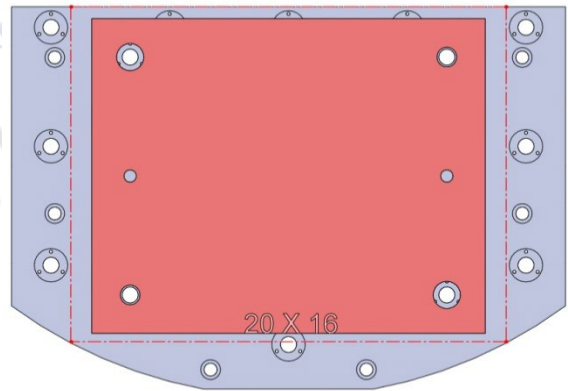
28 X 19.29 X 1.125



VC430-006

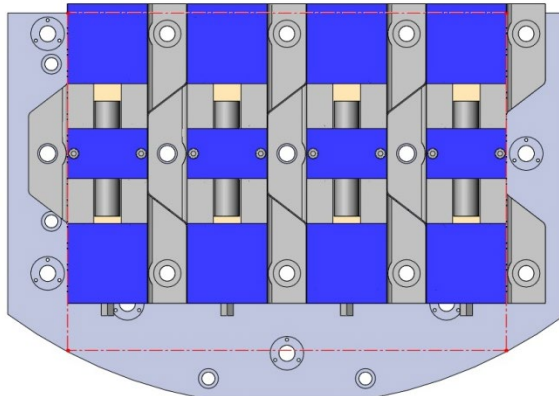


28801 Steel Grid Fixture Plate

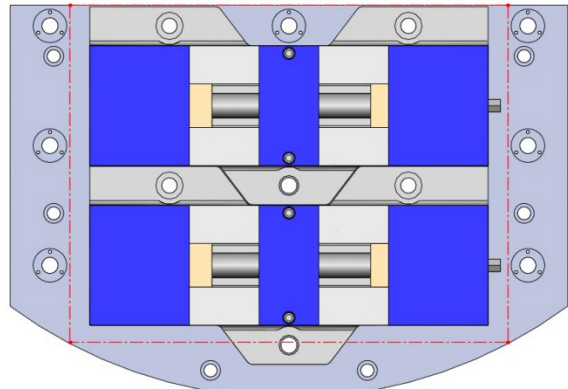


28719 Aluminum

28819 Steel



49405 4" Dual Station Production Vise

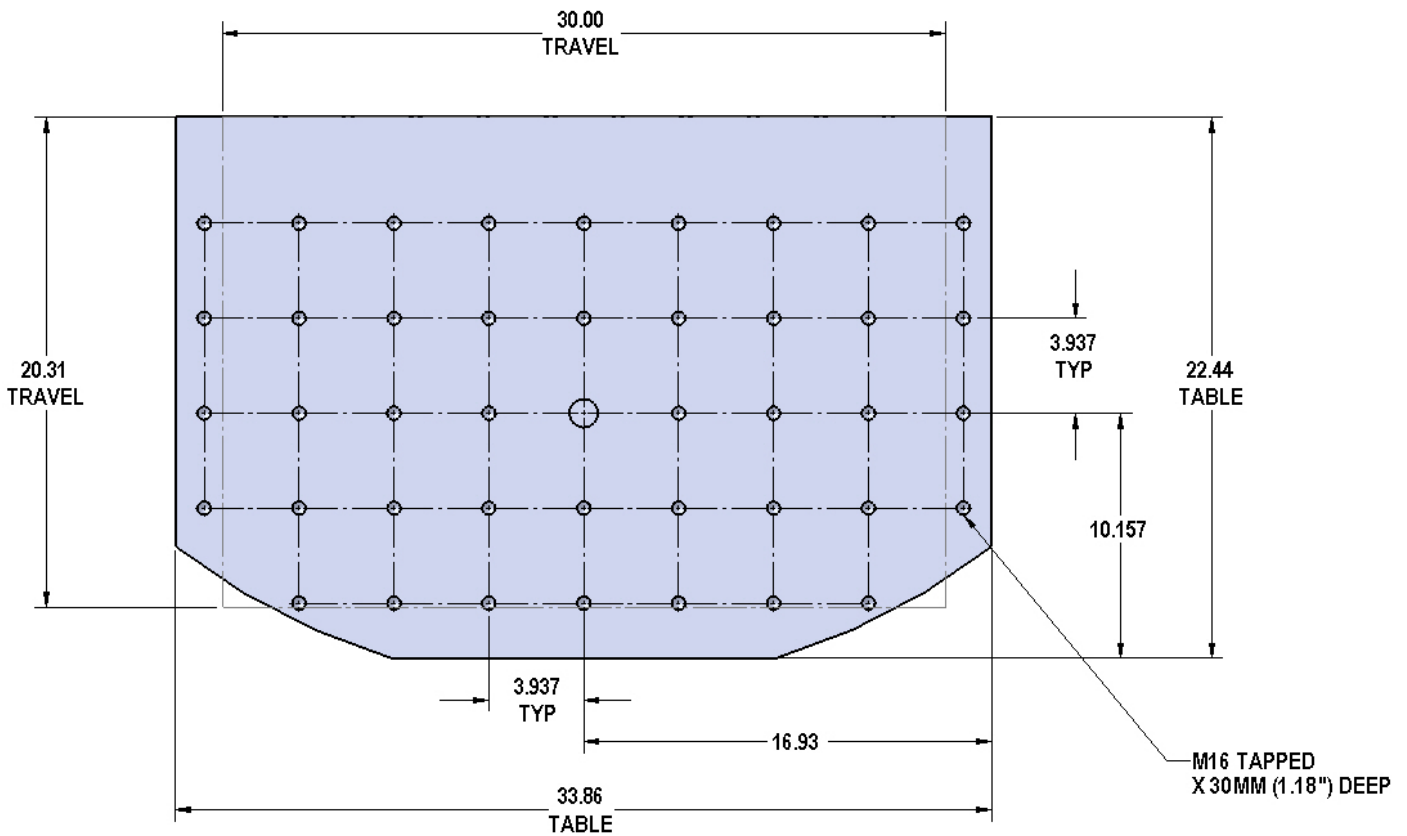


49406 6" Dual Station Production Vise

VC510

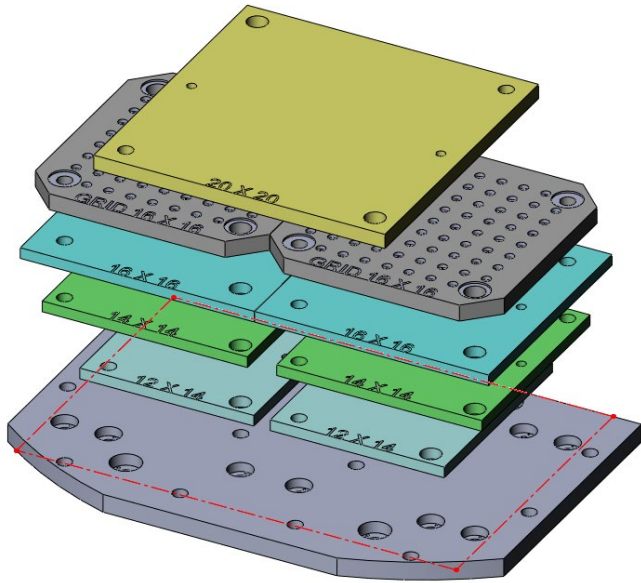
Table Specifications

Table Travel (X,Y,Z): 30.0" x 20.31" x 22.4"
 Table Dimensions (L x W): 33.86" x 22.44"
 Maximum Weight on Table: 771.6 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing: 3.937" (100mm)

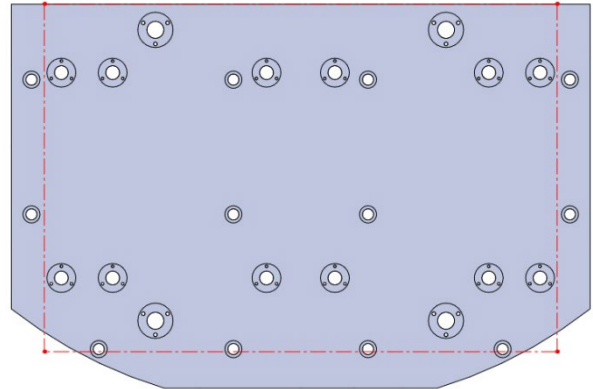


**DUAL PALLET
TAPPED STYLE**

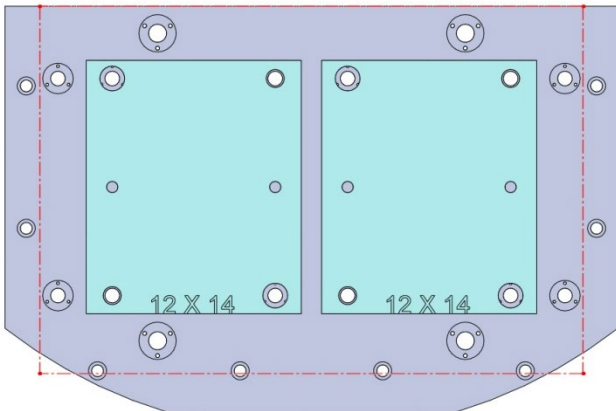
VC510-001



33.85 X 22.44 X 1.25

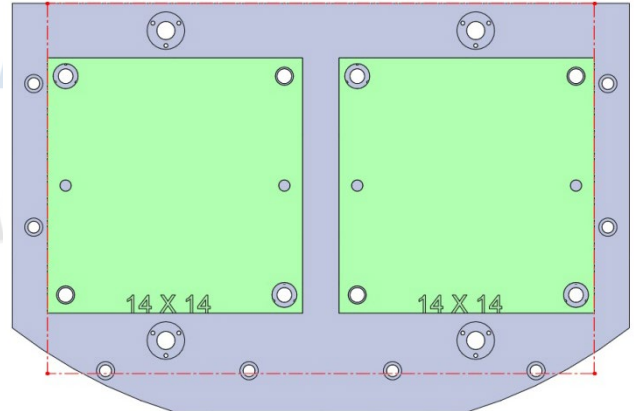


VC510-001



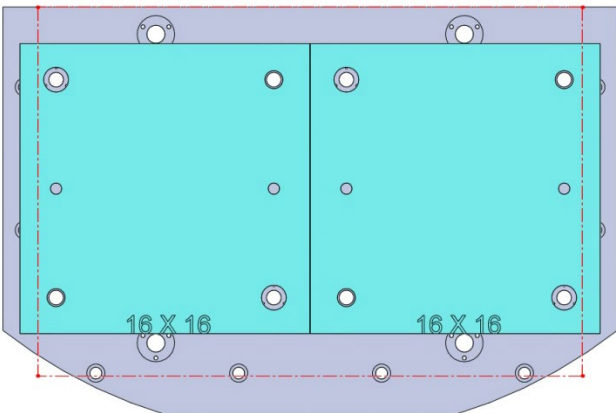
28711 Aluminum

28811 Steel



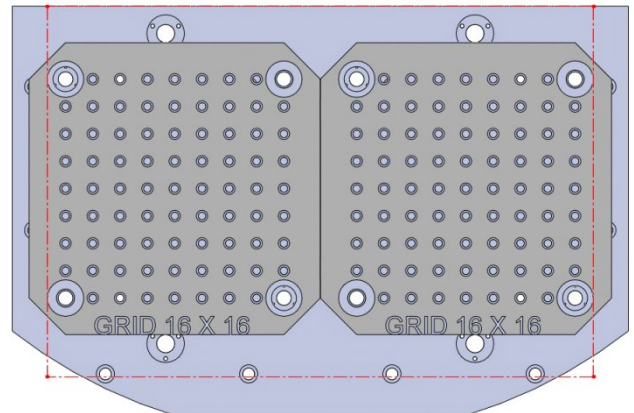
28713 Aluminum

28813 Steel



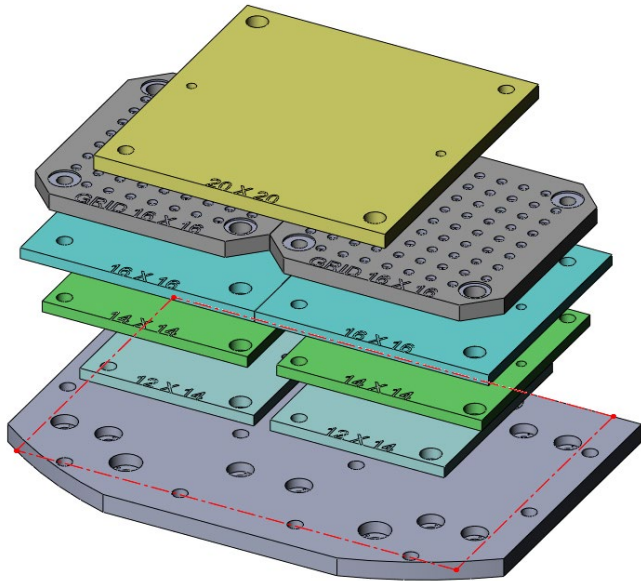
28715 Aluminum

28815 Steel

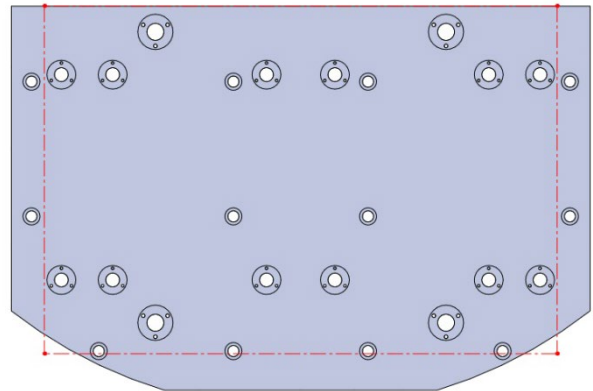


28801 Steel Grid Fixture Plate

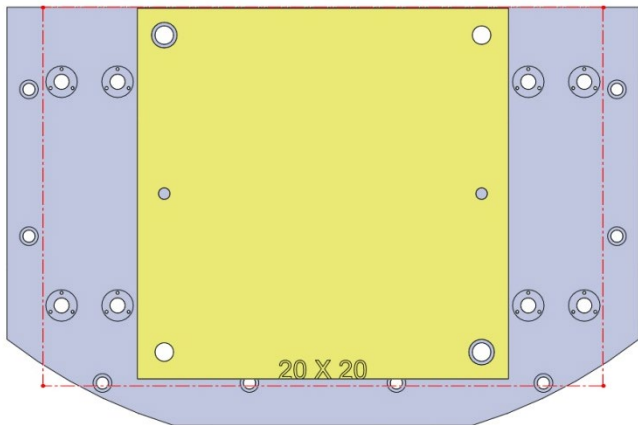
VC510-001 (CONTINUED)



33.85 X 22.44 X 1. 25



VC510-001

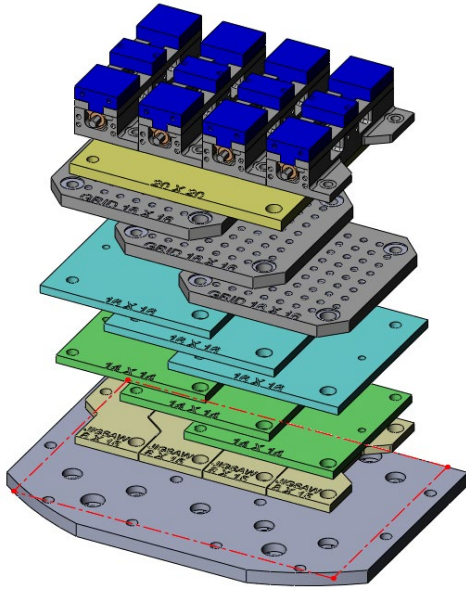


28727 Aluminum

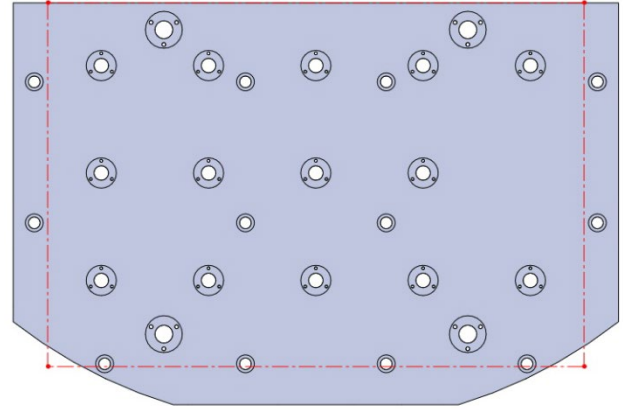
28827 Steel

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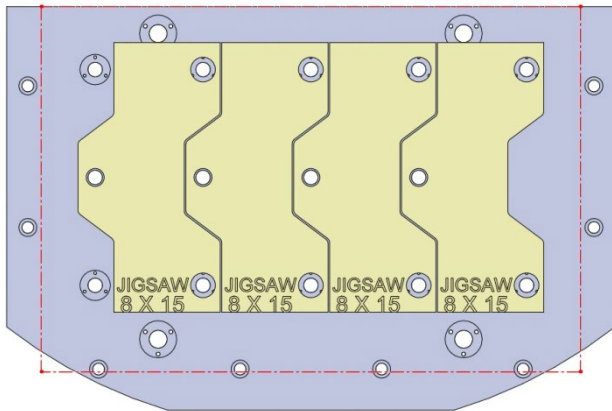
VC510-002



33.85 X 22.44 X 1.25

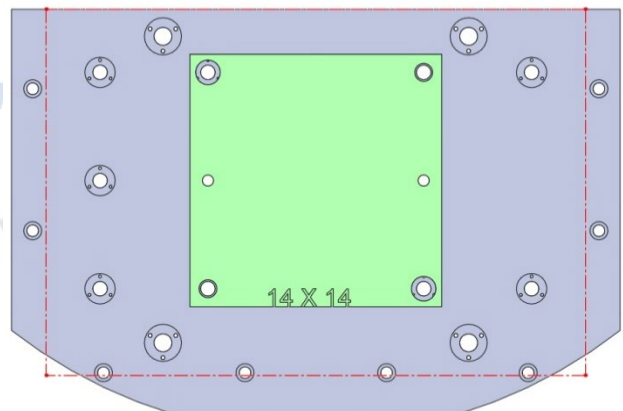


VC510-002



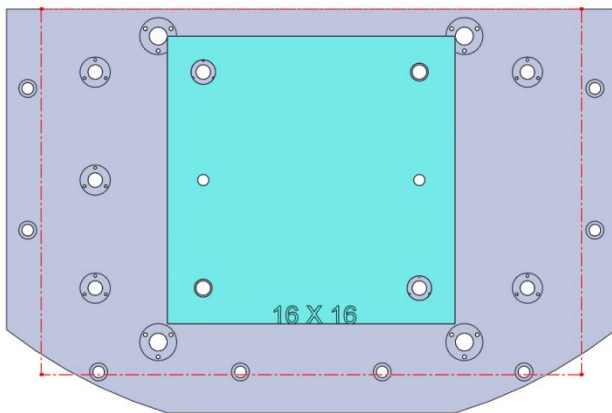
28705 Aluminum

28805 Steel



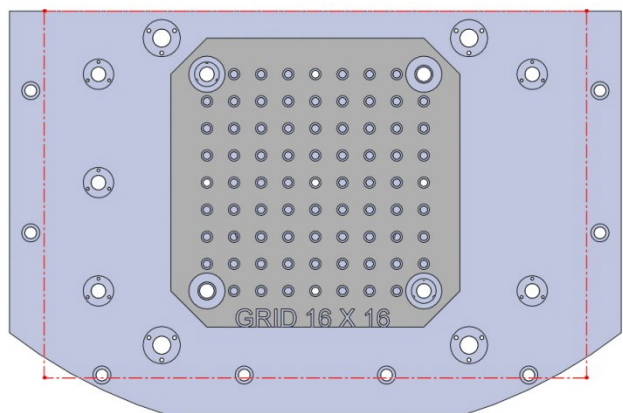
28713 Aluminum

28813 Steel



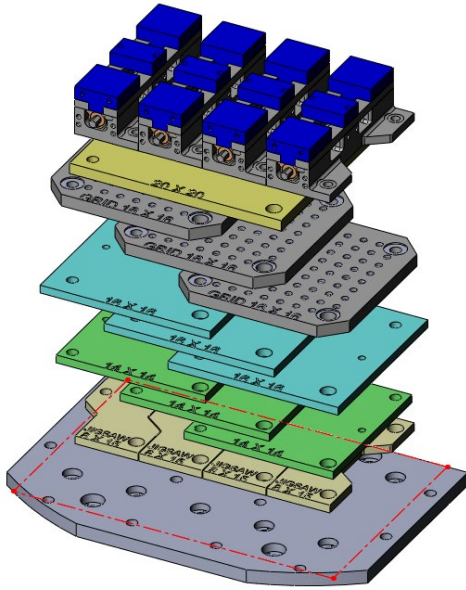
28715 Aluminum

28815 Steel

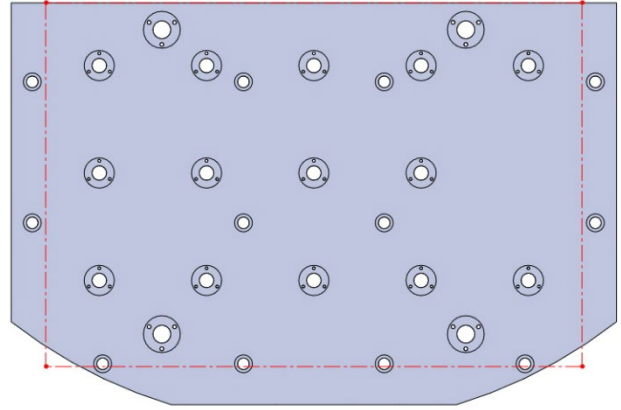


28801 Steel Grid Fixture Plate

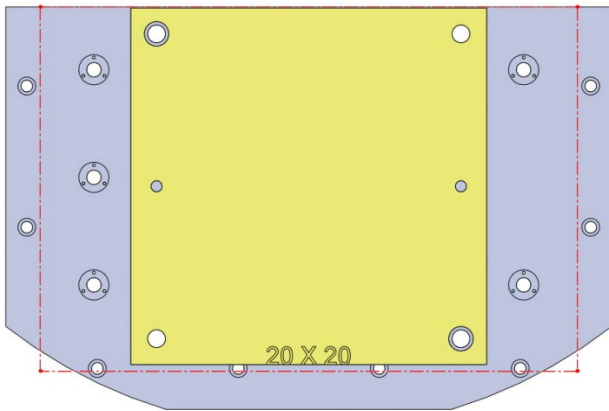
VC510-002 (CONTINUED)



33.85 X 22.44 X 1.25

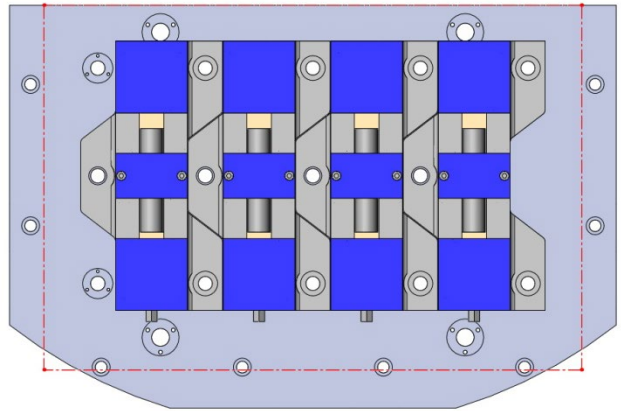


VC510-002



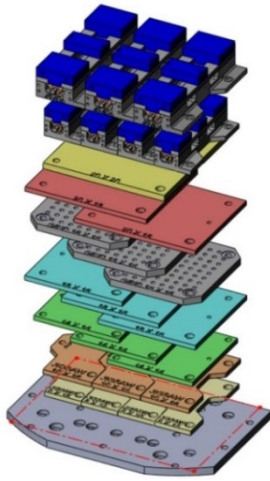
28727 Aluminum

28827 Steel

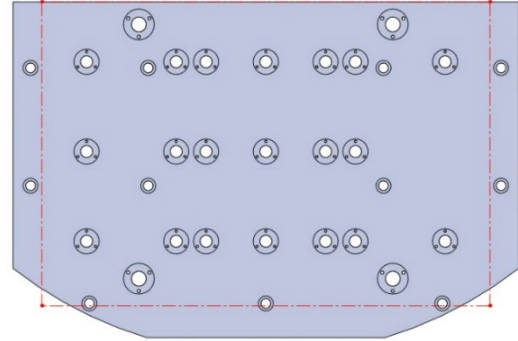


49405 4" Dual Station Production Vise

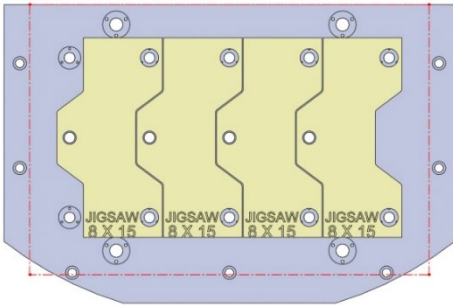
VC510-003



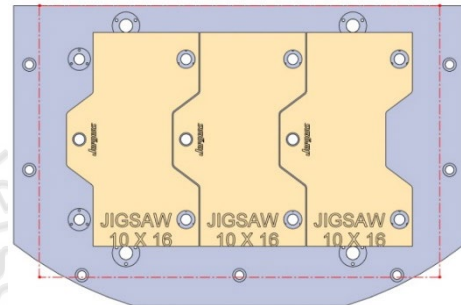
33.85 X 22.44 X 1.25



VC510-003



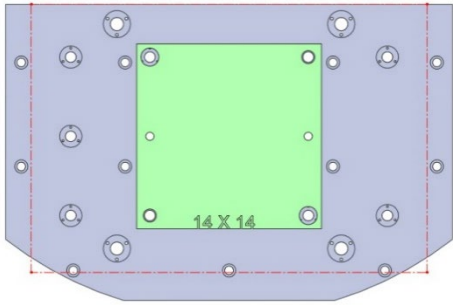
28705 Aluminum



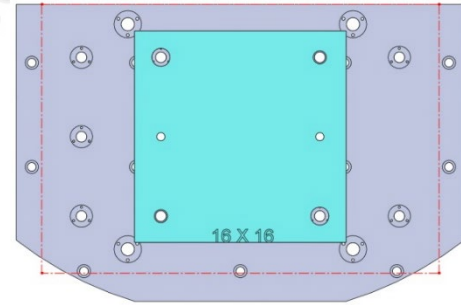
28706 Aluminum

28805 Steel

28806 Steel



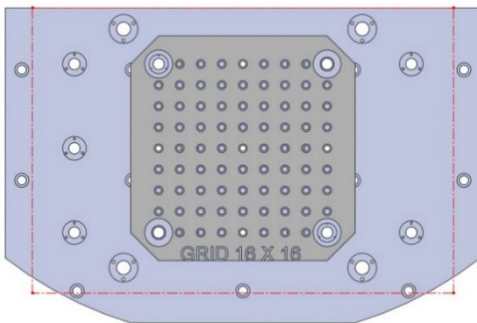
28713 Aluminum



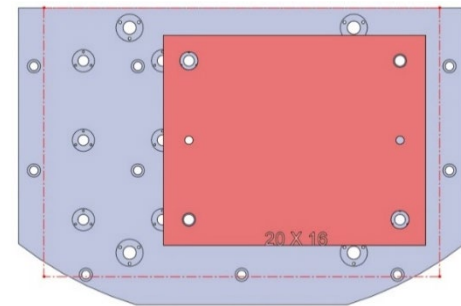
28715 Aluminum

28813 Steel

28815 Steel



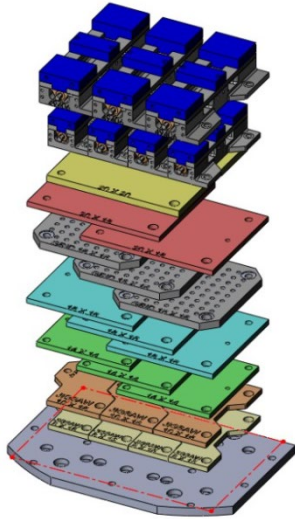
28801 Steel Grid Fixture Plate



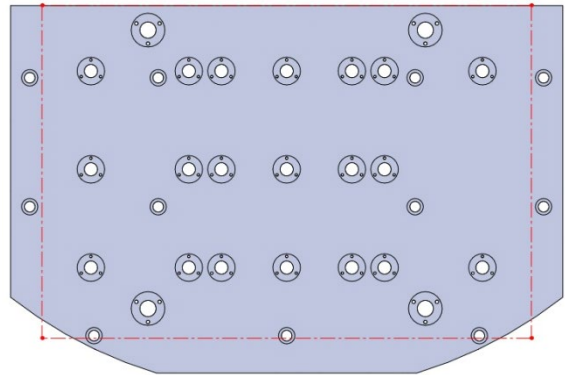
28719 Aluminum

28819 Steel

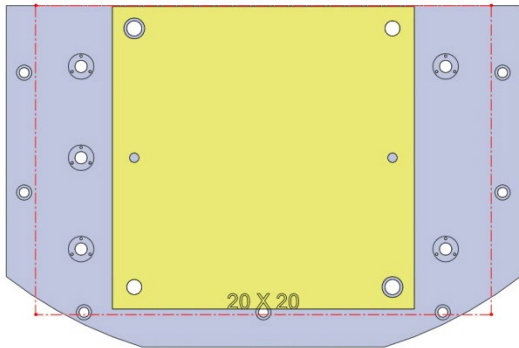
VC510-003 (CONTINUED)



33.85 X 22.44 X 1.25

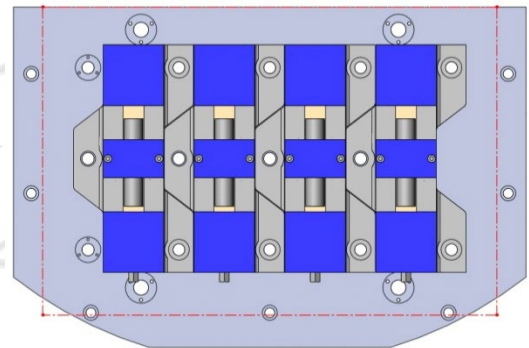


VC510-003

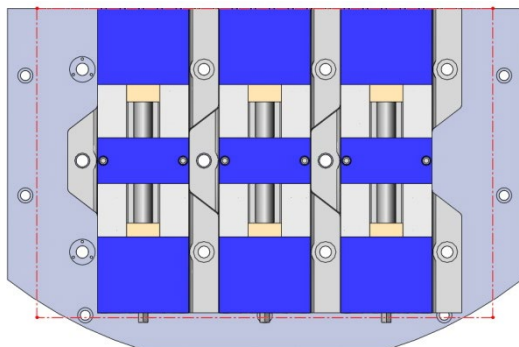


28727 Aluminum

28827 Steel



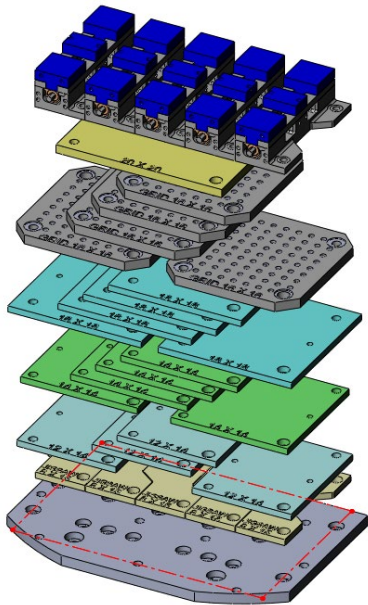
49405 4" Dual Station Production Vise



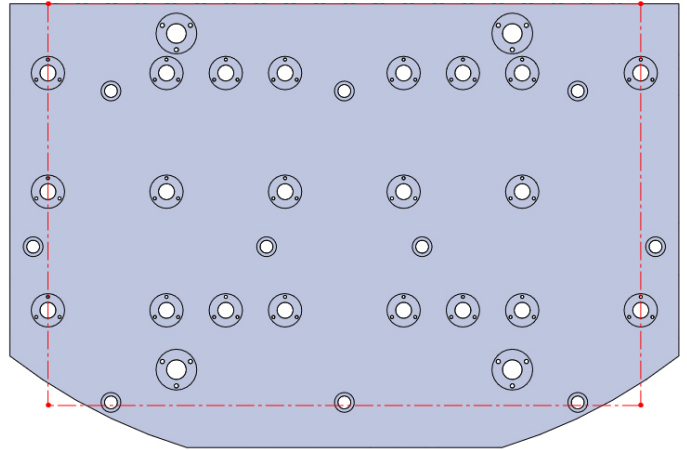
49406 6" Dual Station Production Vise

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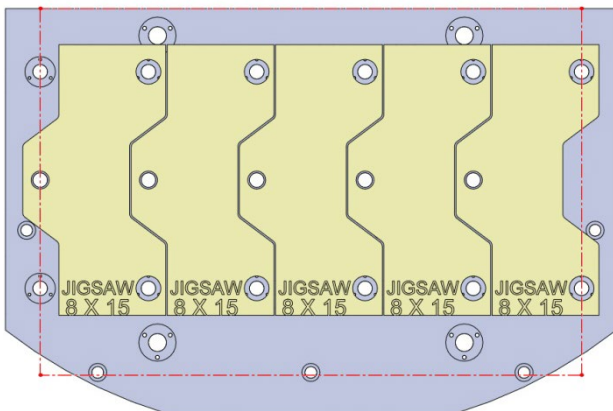
VC510-004



33.85 X 22.44 X 1.25

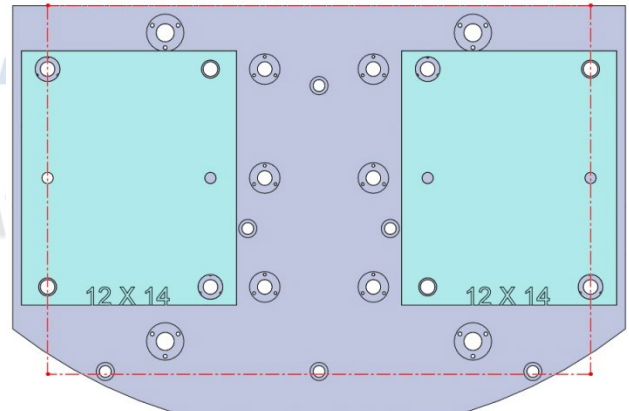


VC510-004



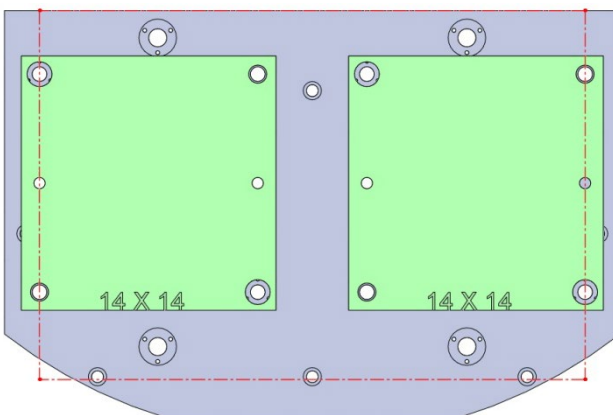
28705 Aluminum

28805 Steel



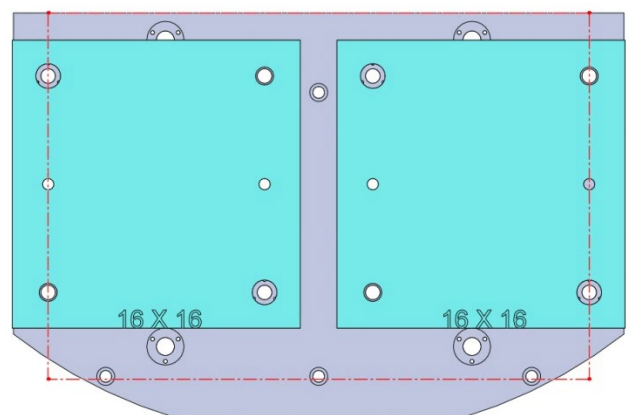
28711 Aluminum

28811 Steel



28713 Aluminum

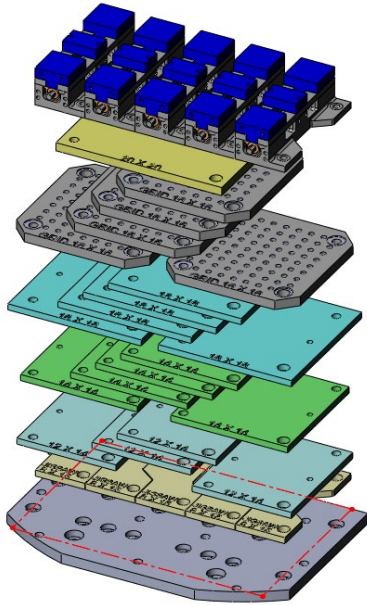
28813 Steel



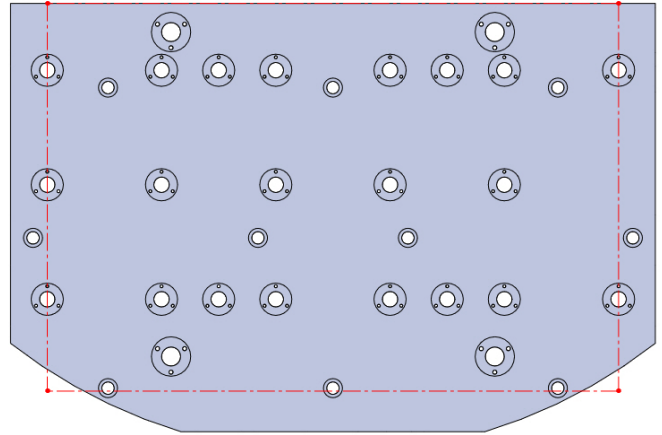
28715 Aluminum

28815 Steel

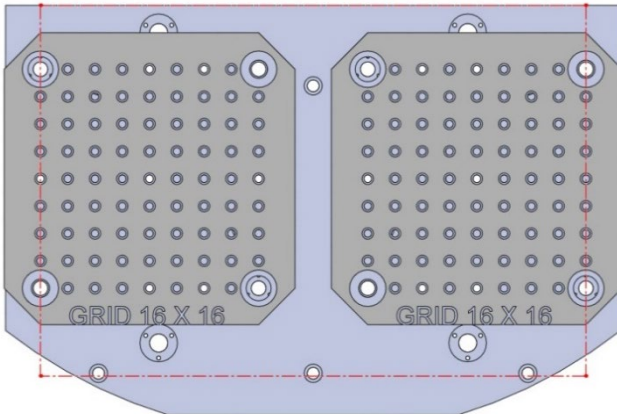
VC510-004 (CONTINUED)



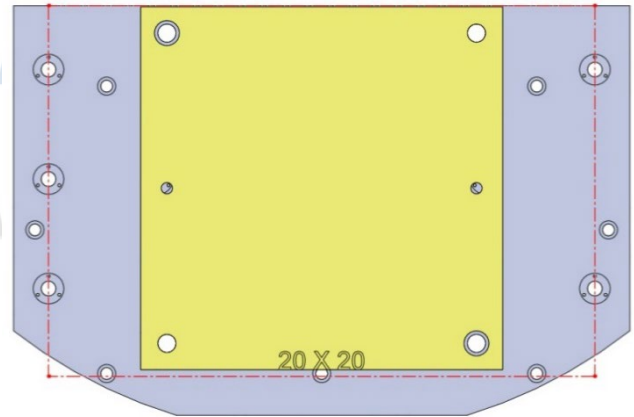
33.85 X 22.44 X 1.25



VC510-004

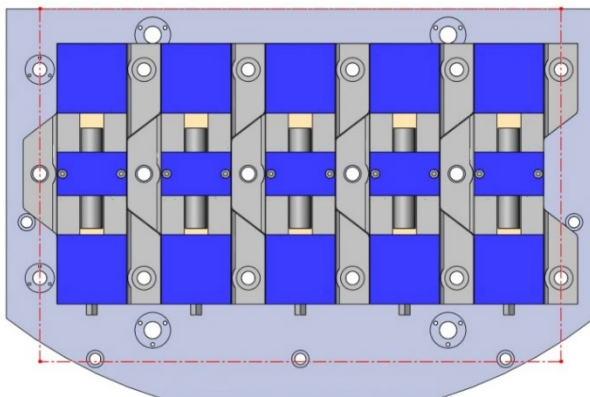


28801 Steel Grid Fixture Plate



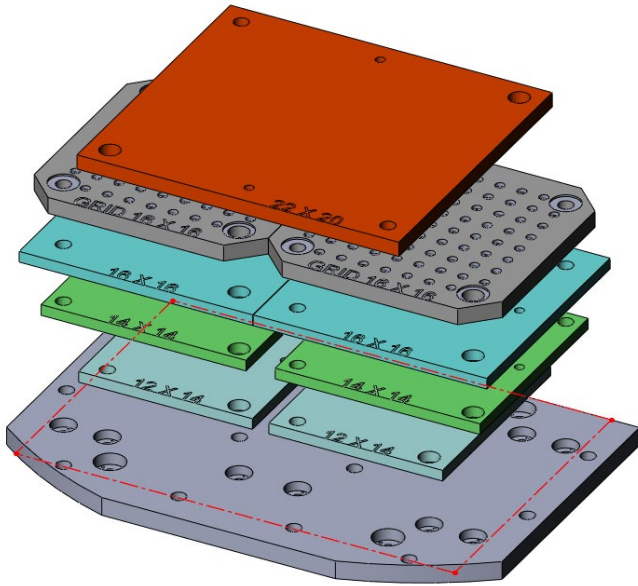
28727 Aluminum

28827 Steel

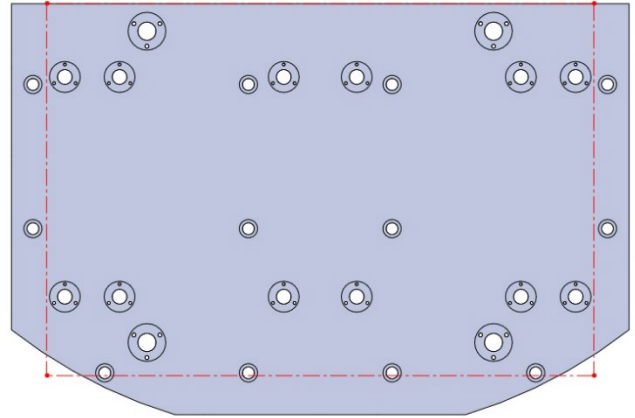


49405 4" Dual Station Production Vice

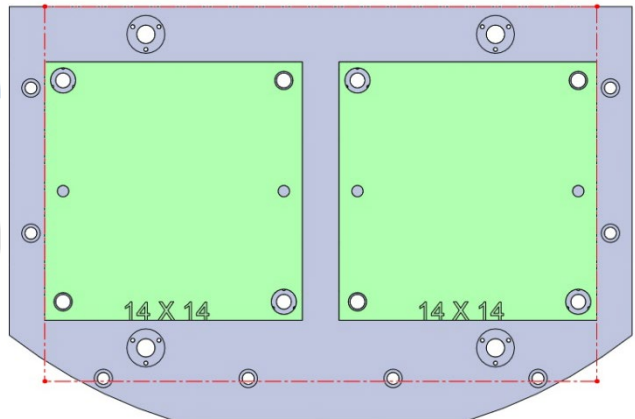
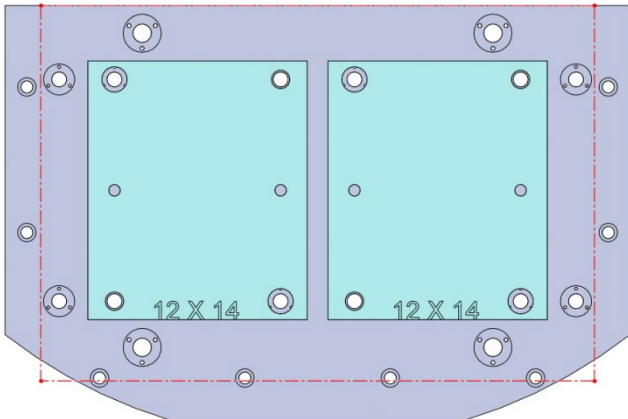
VC510-005



33.85 X 22.44 X 1.25



VC510-005

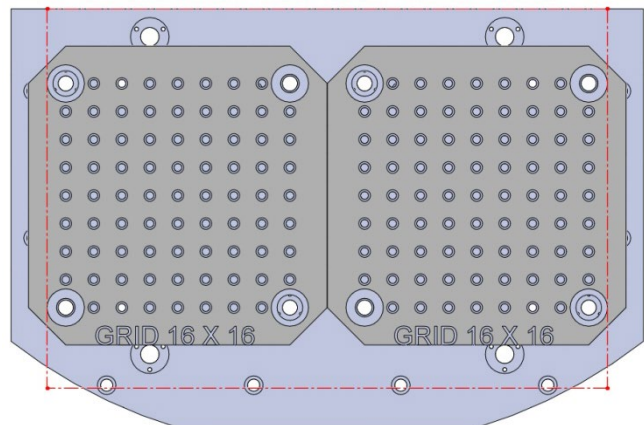
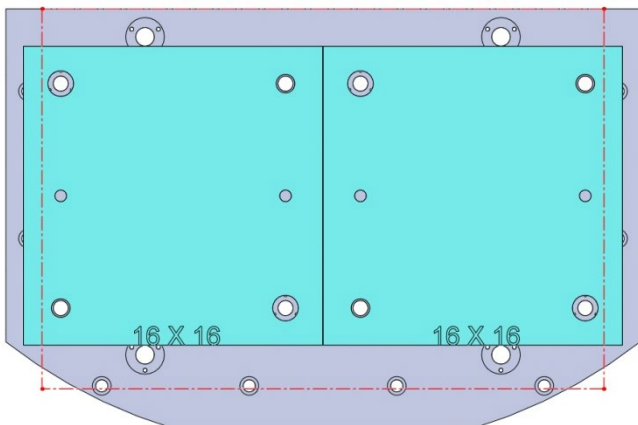


28711 Aluminum

28811 Steel

28713 Aluminum

28813 Steel

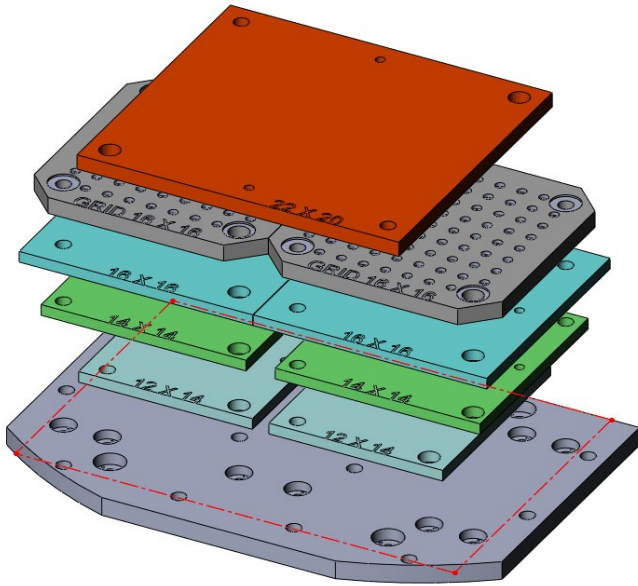


28715 Aluminum

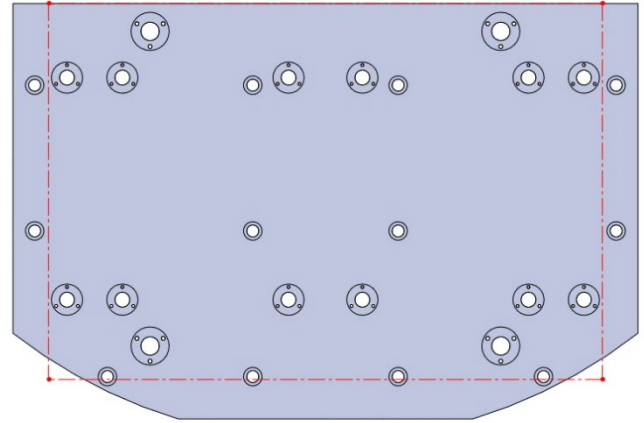
28815 Steel

28801 Steel Grid Fixture Plate

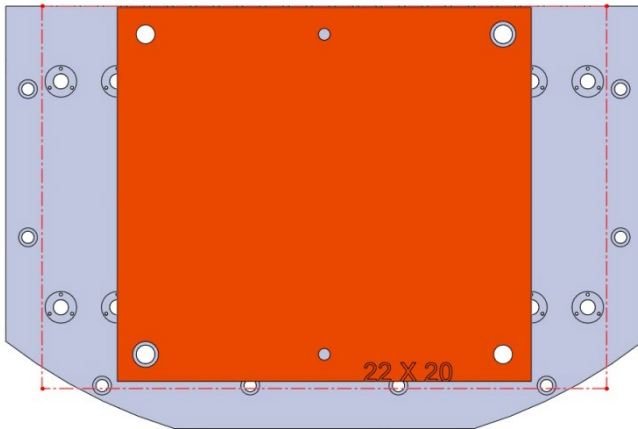
VC510-005 (CONTINUED)



33.85 X 22.44 X 1.25



VC510-005

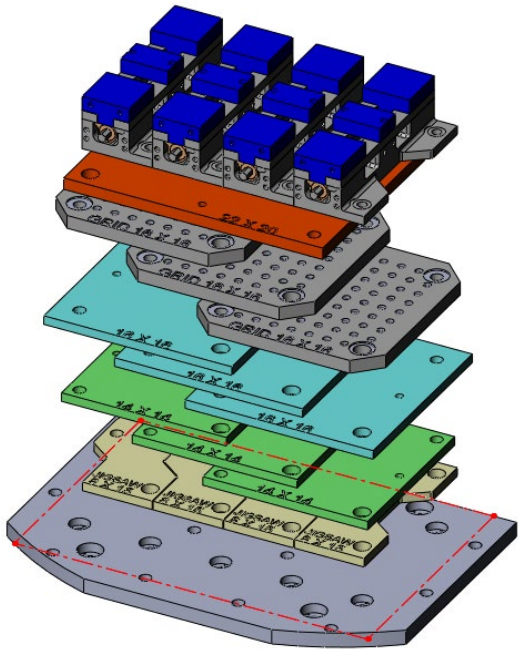


28745 Aluminum

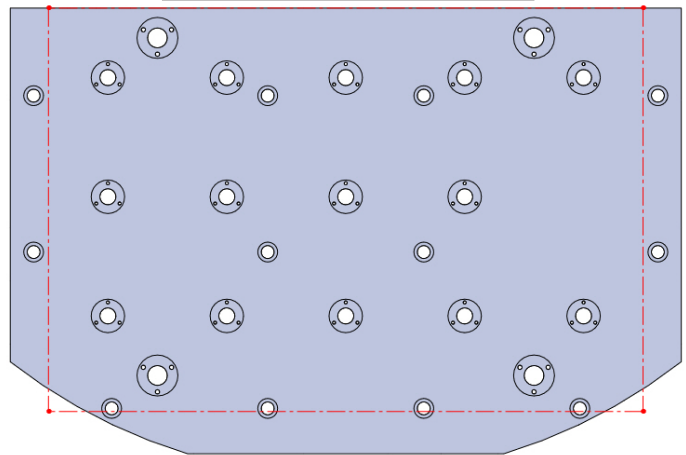
28845 Steel

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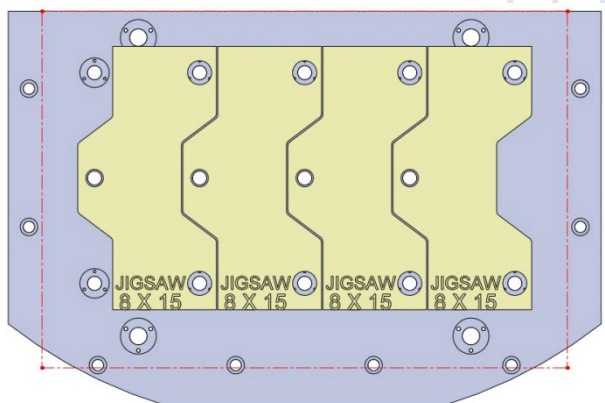
VC510-006



33.85 X 22.44 X 1.25

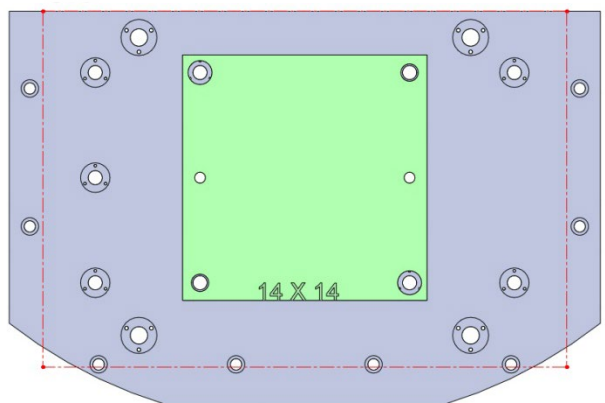


VC510-006



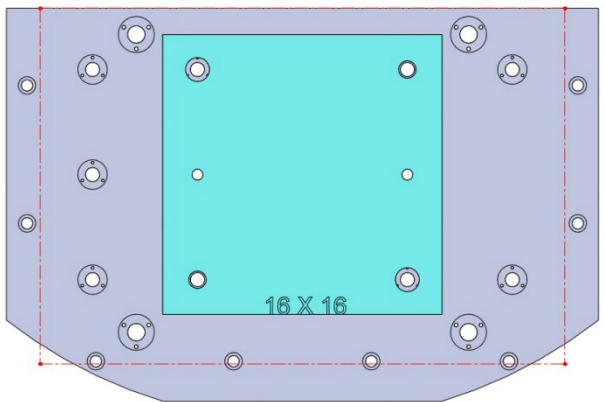
28705 Aluminum

28805 Steel



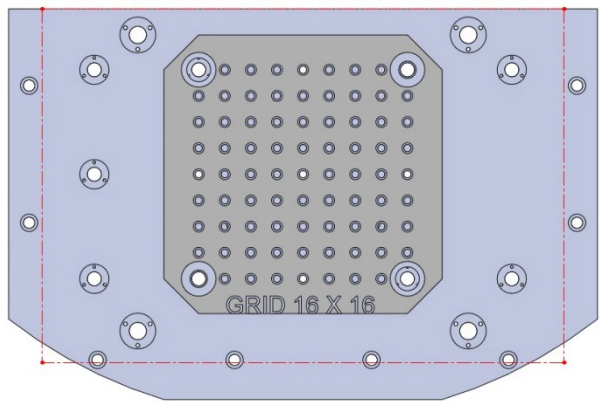
28713 Aluminum

28813 Steel



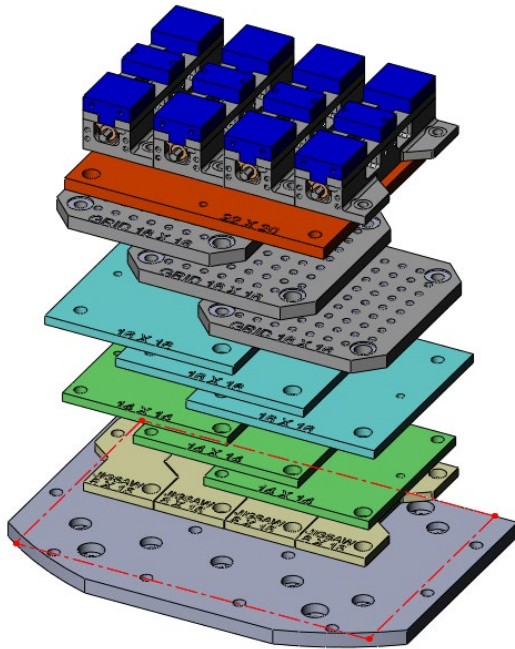
28715 Aluminum

28815 Steel

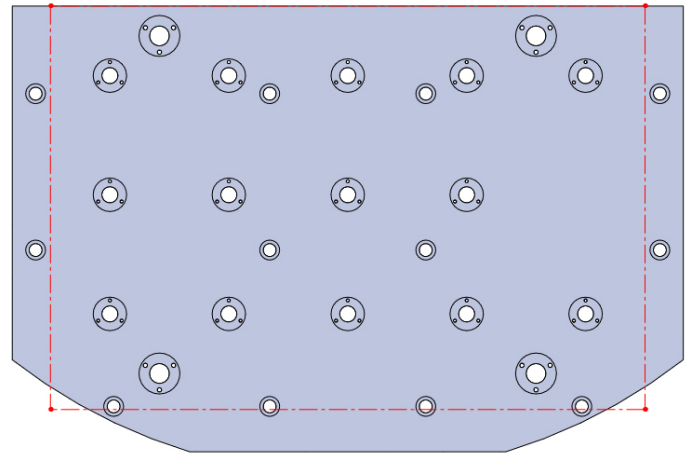


28801 Steel Grid Fixture Plate

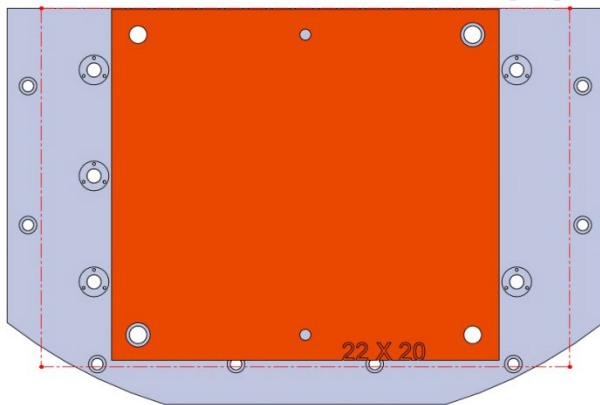
VC510-006 (CONTINUED)



33.85 X 22.44 X 1.25

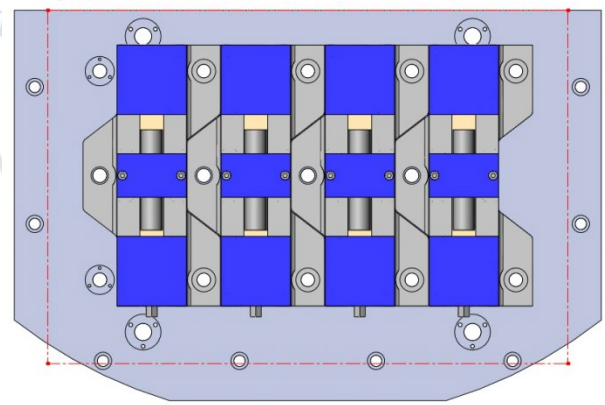


VC510-006



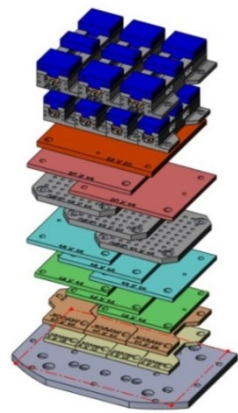
28745 Aluminum

28845 Steel

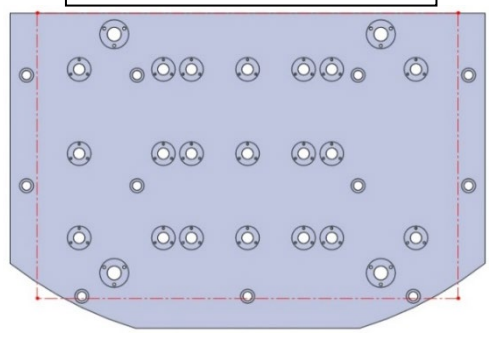


49405 4" Dual Station Production Vise

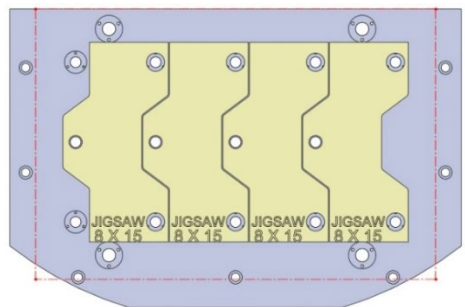
VC510-007



33.85 X 22.44 X 1.25

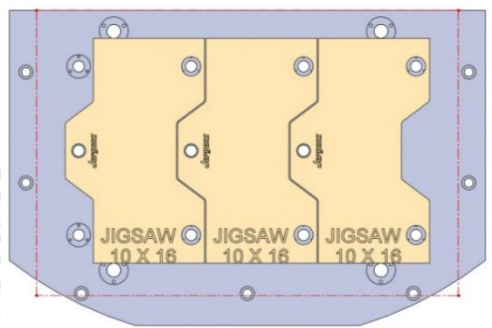


VC510-007



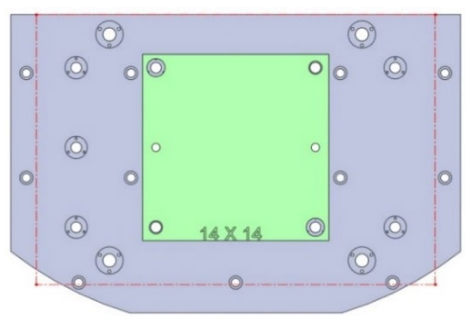
28705 Aluminum

28805 Steel



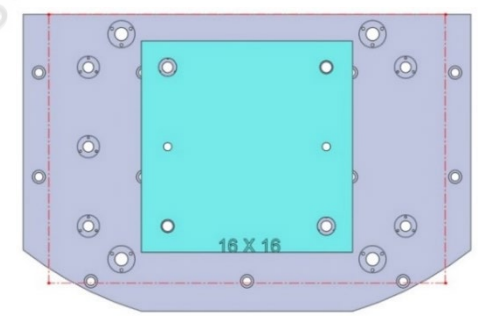
28706 Aluminum

28806 Steel



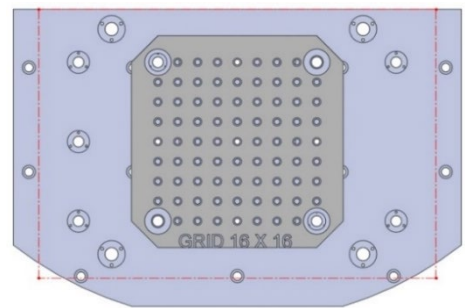
28713 Aluminum

28813 Steel

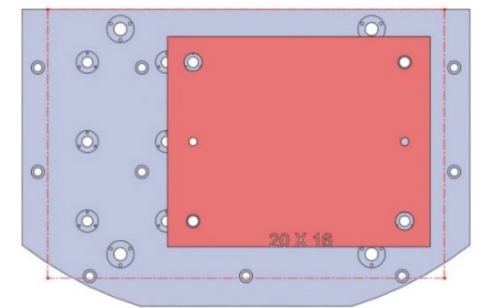


28715 Aluminum

28815 Steel



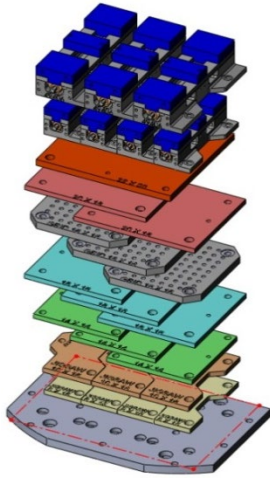
28801 Steel Grid Fixture Plate



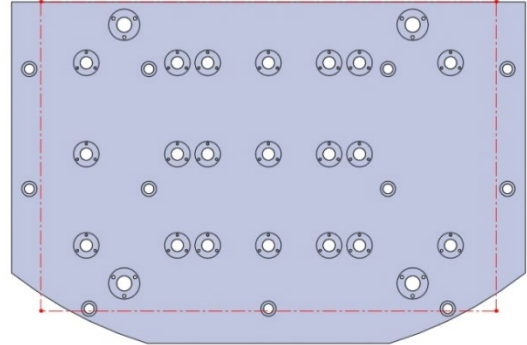
28719 Aluminum

28819 Steel

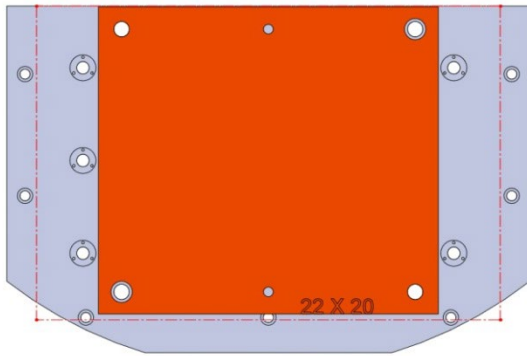
VC510-007 (CONTINUED)



33.85 X 22.44 X 1.25

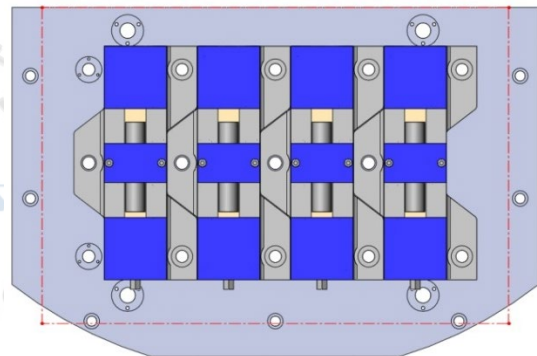


VC510-007

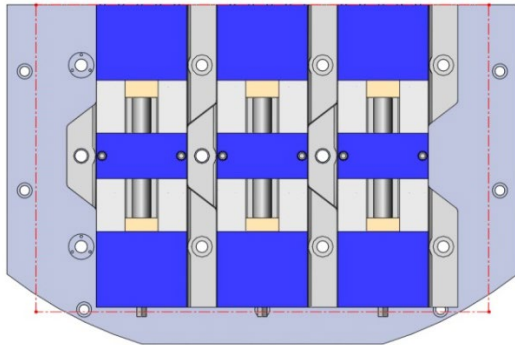


28745 Aluminum

28845 Steel

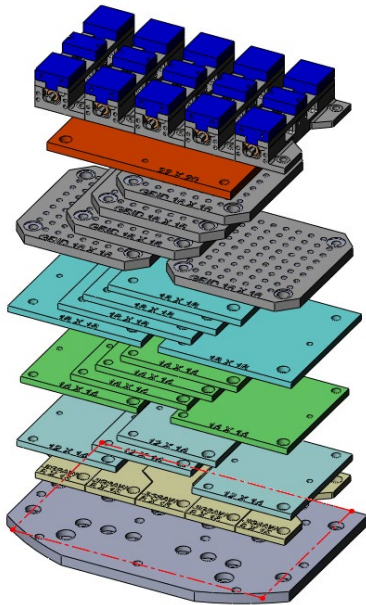


49405 4" Dual Station Production Vise

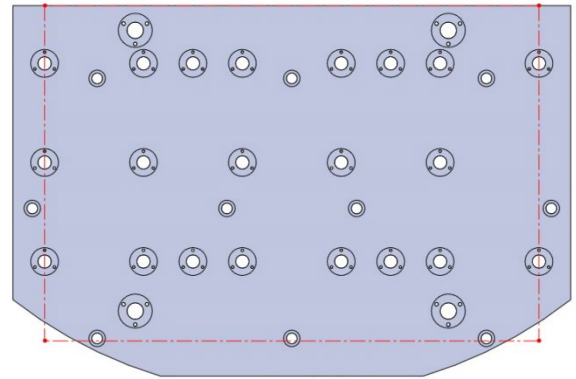


49406 6" Dual Station Production Vise

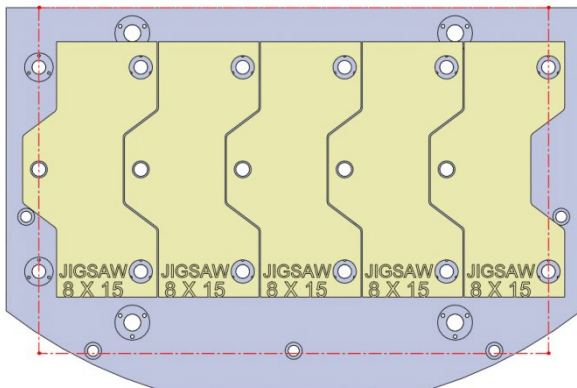
VC510-008



33.85 X 22.44 X 1.25

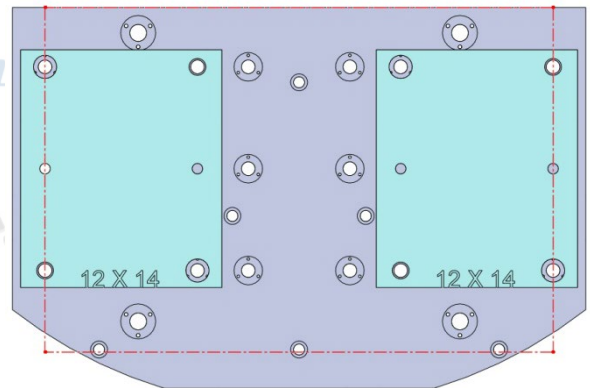


VC510-008



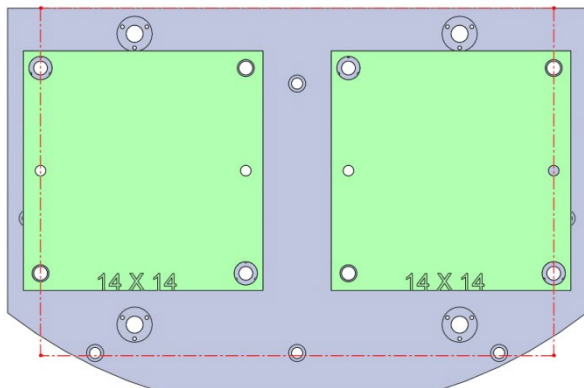
28705 Aluminum

28805 Steel



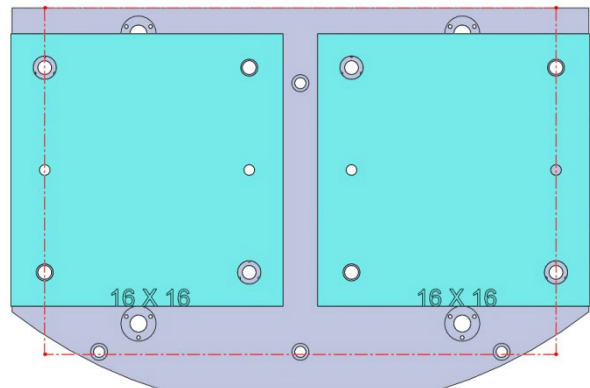
28711 Aluminum

28811 Steel



28713 Aluminum

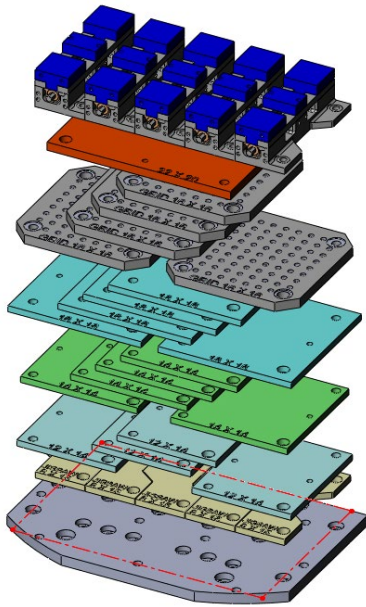
28813 Steel



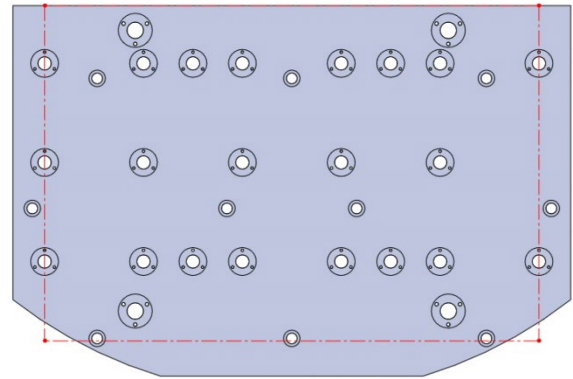
28715 Aluminum

28815 Steel

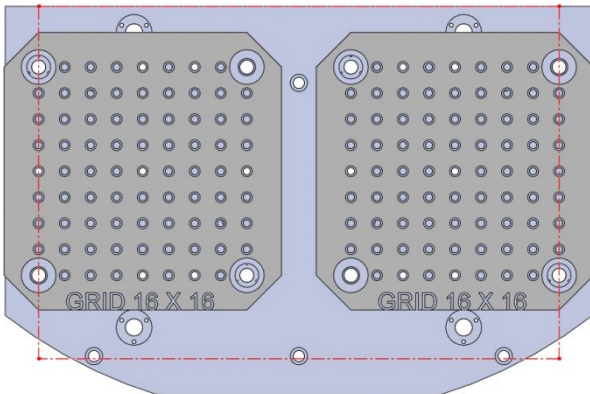
VC510-008 (CONTINUED)



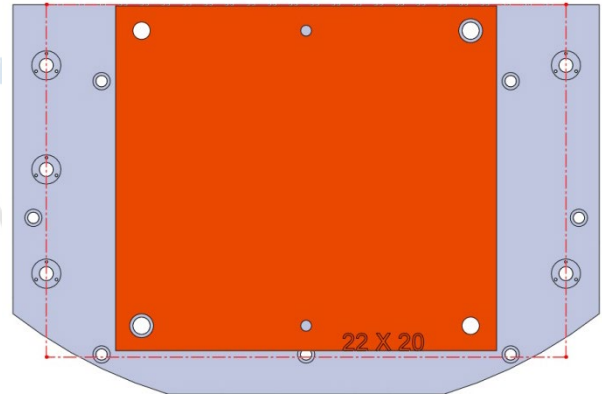
33.85 X 22.44 X 1.25



VC510-008

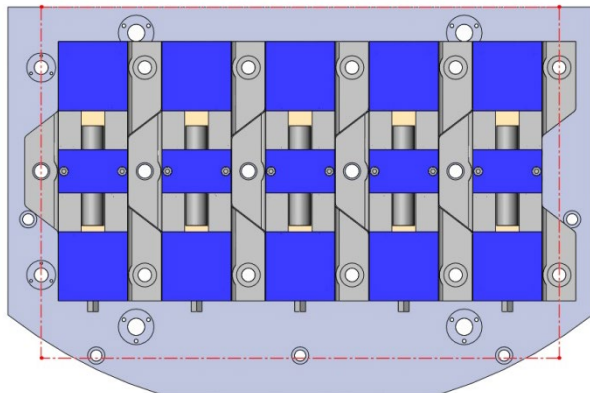


28801 Steel Grid Fixture Plate



28745 Aluminum

28845 Steel



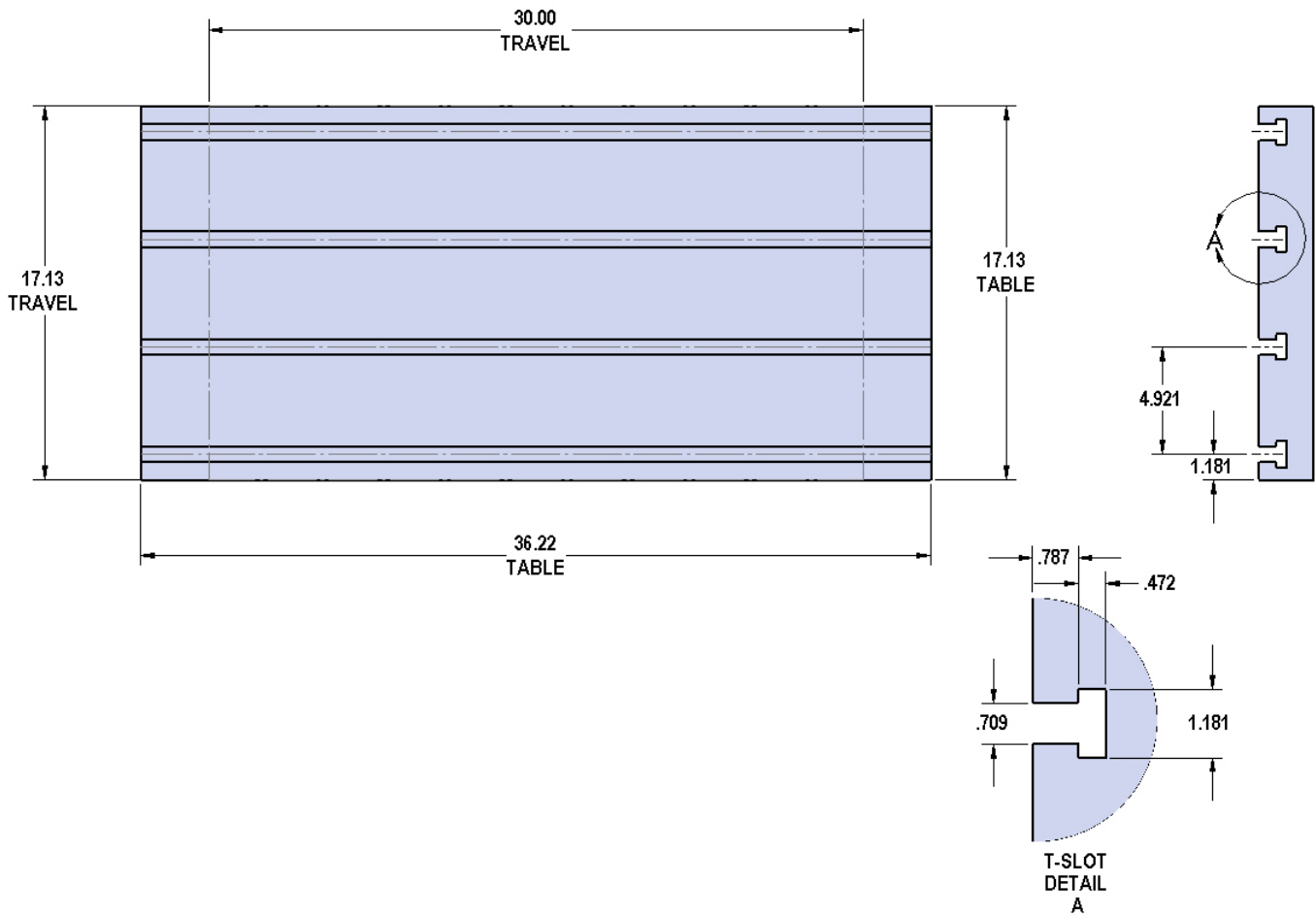
49405 4" Dual Station Production Vise

DNM400

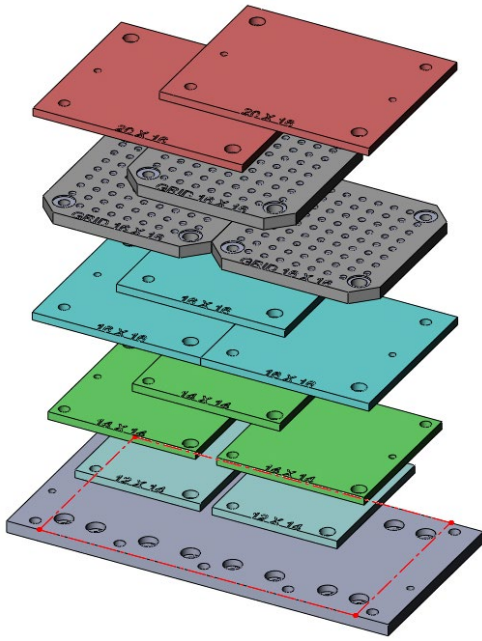


Table Specifications

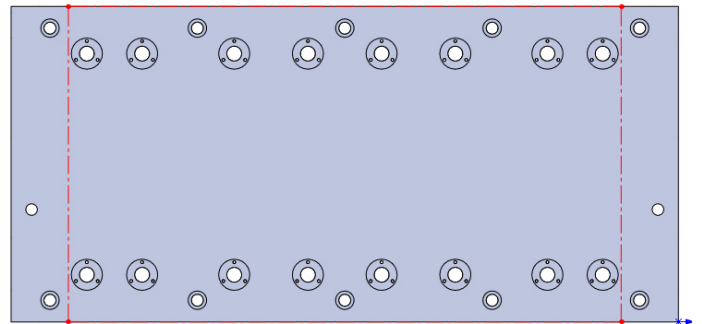
Table Travel (X,Y,Z): 30.0" x 17.13" x 20.1"
 Table Dimensions (L x W): 36.22" x 17.13"
 Maximum Weight on Table: 1322.8 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



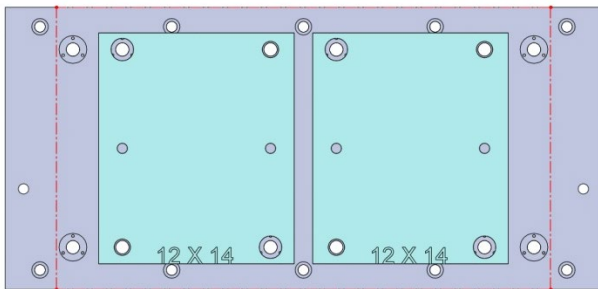
DNM400-001



36.22 X 17.12 X 1.25

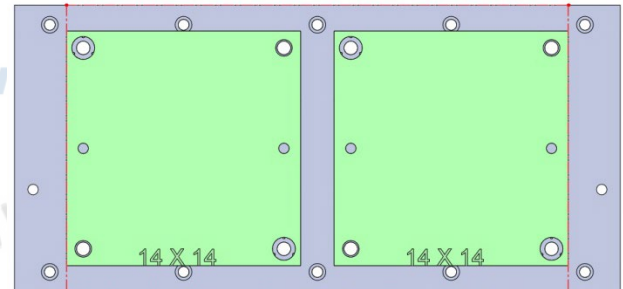


DNM400-001



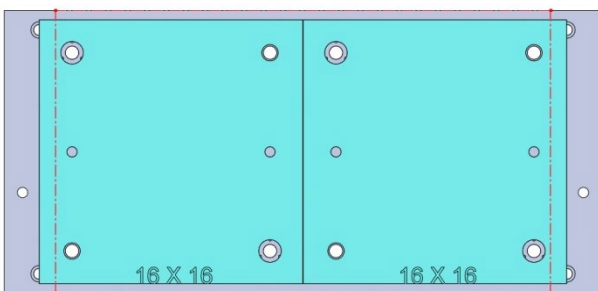
28711 Aluminum

28811 Steel



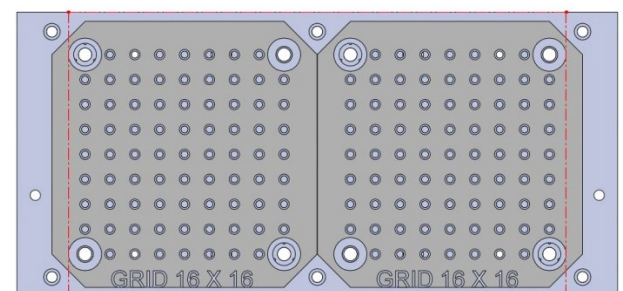
28713 Aluminum

28813 Steel



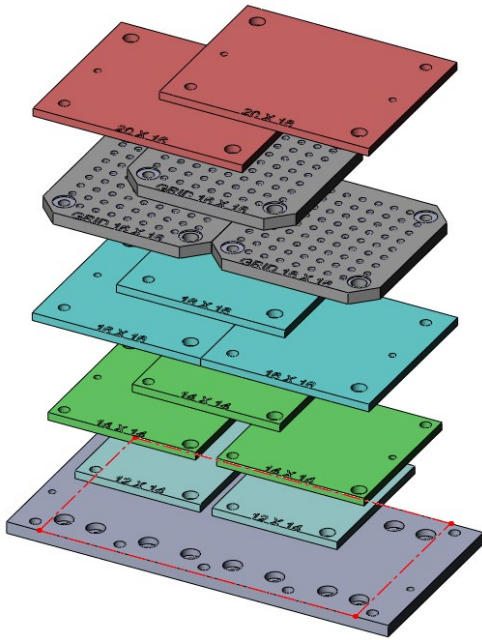
28715 Aluminum

28815 Steel

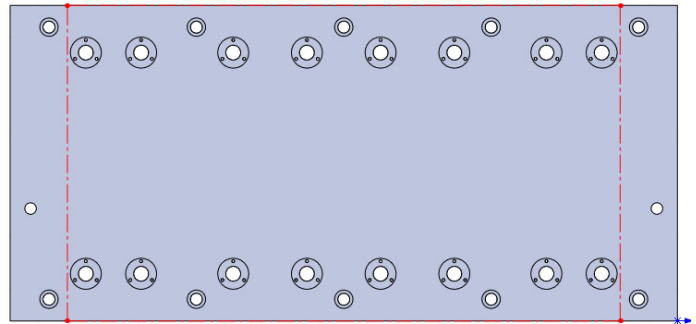


28801 Steel Grid Fixture Plate

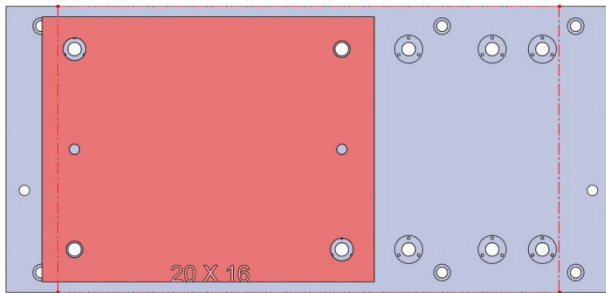
DNM400-001 (CONTINUED)



36.22 X 17.12 X 1.25



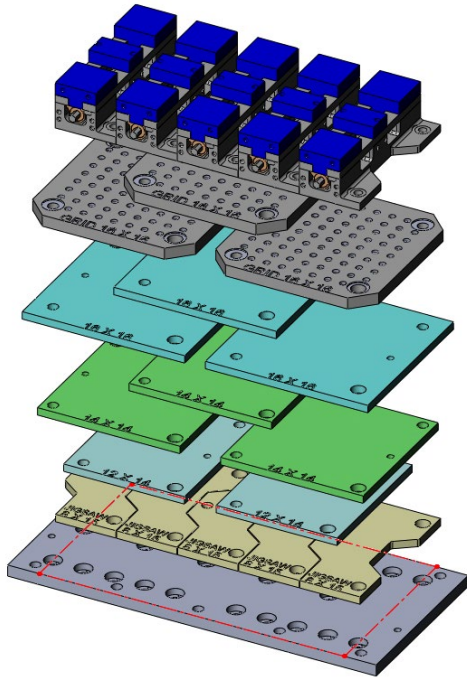
DNM400-001



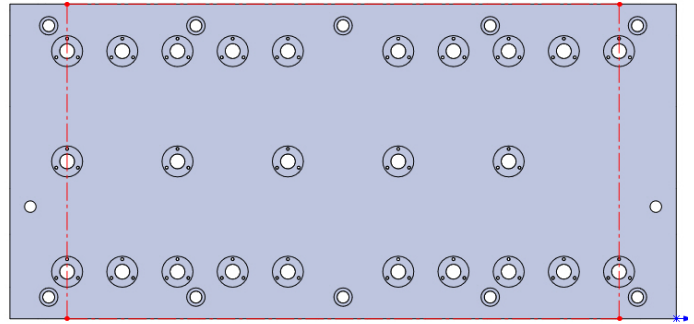
28719 Aluminum

28819 Steel

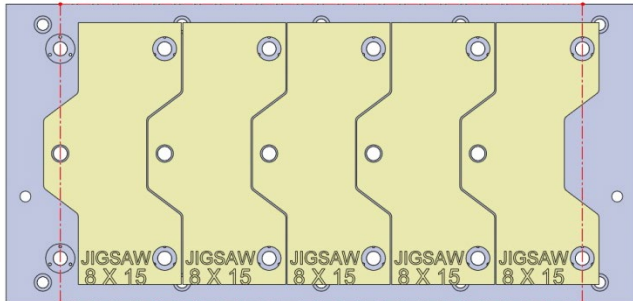
DNM400-002



36.22 X 17.12 X 1.25

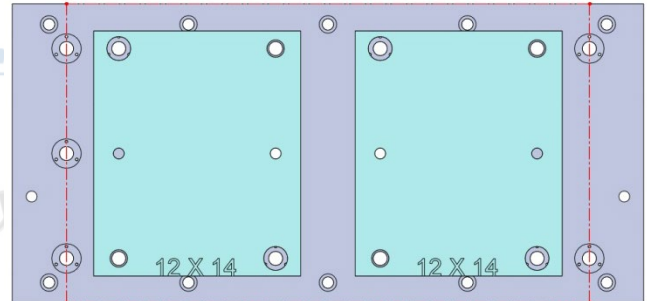


DNM400-002



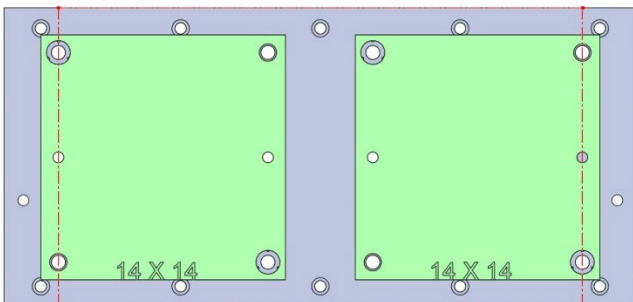
28705 Aluminum

28805 Steel



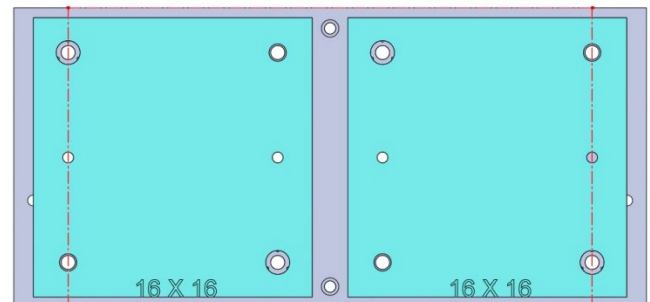
28711 Aluminum

28811 Steel



28713 Aluminum

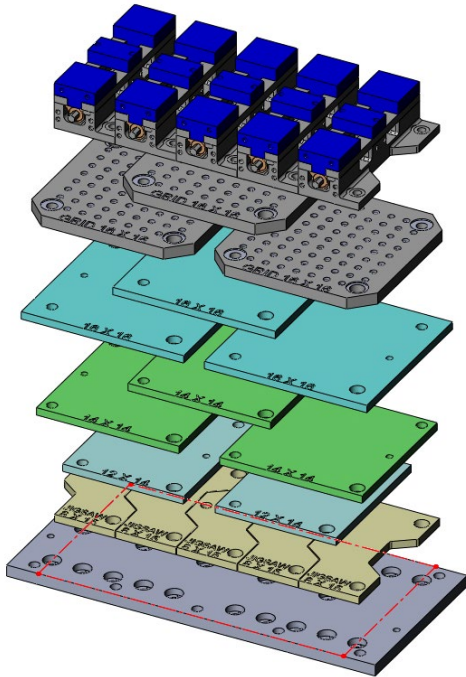
28813 Steel



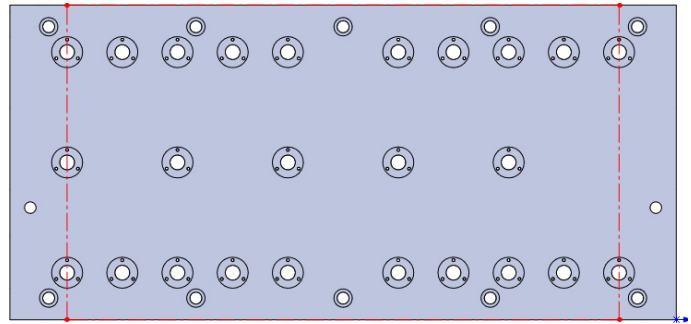
28715 Aluminum

28815 Steel

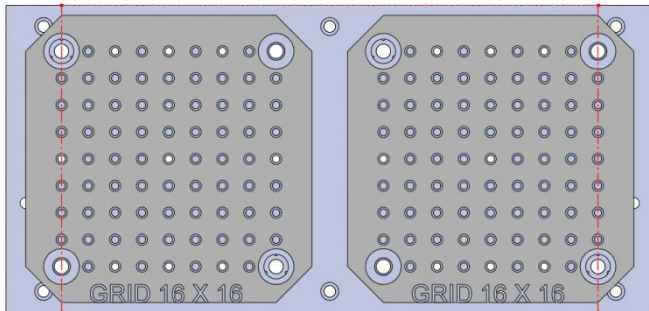
DNM400-002 (CONTINUED)



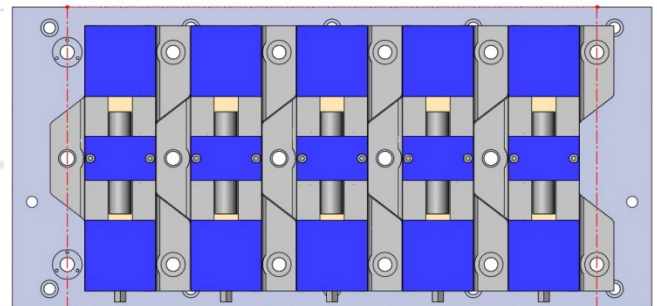
36.22 X 17.12 X 1.25



DNM400-002

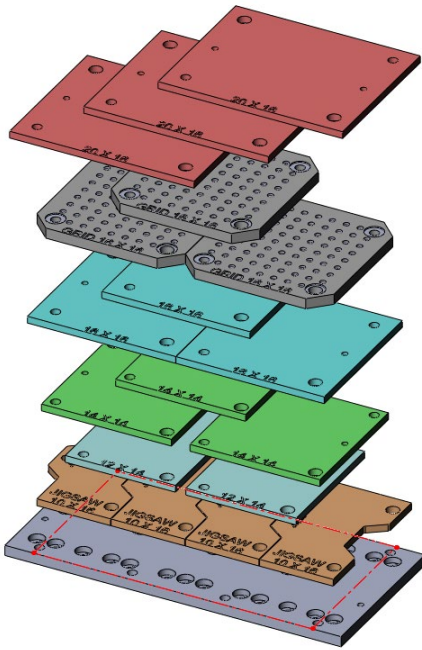


28801 Steel Grid Fixture Plate

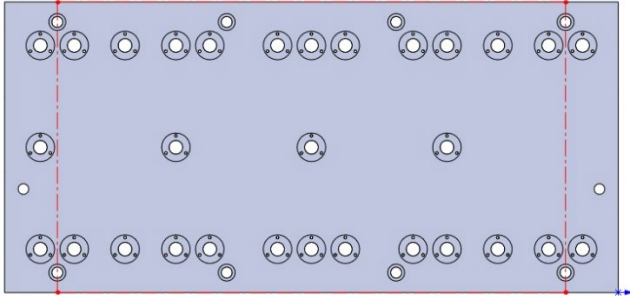


49405 4" Dual Station Production Vise

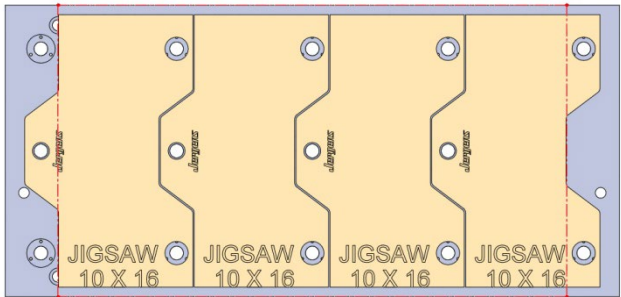
DNM400-003



36.22 X 17.12 X 1.25

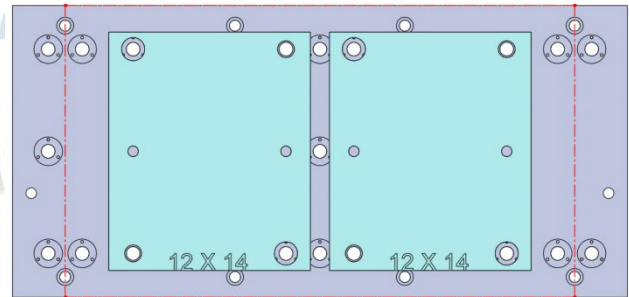


DNM400-003



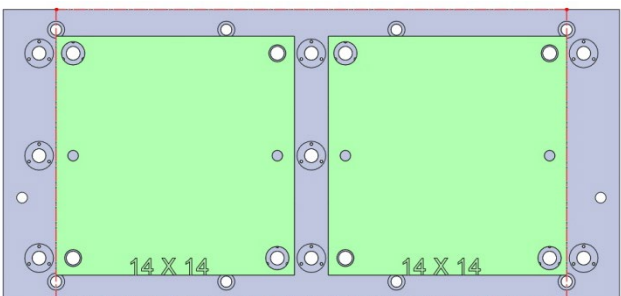
28706 Aluminum

28806 Steel



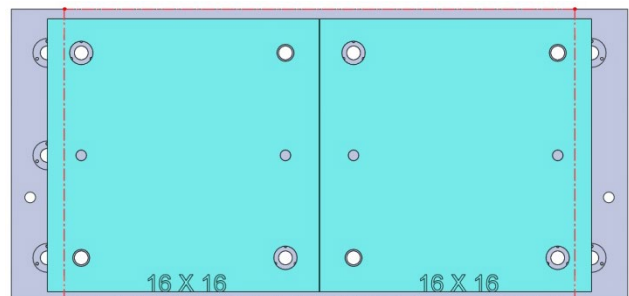
28711 Aluminum

28811 Steel



28713 Aluminum

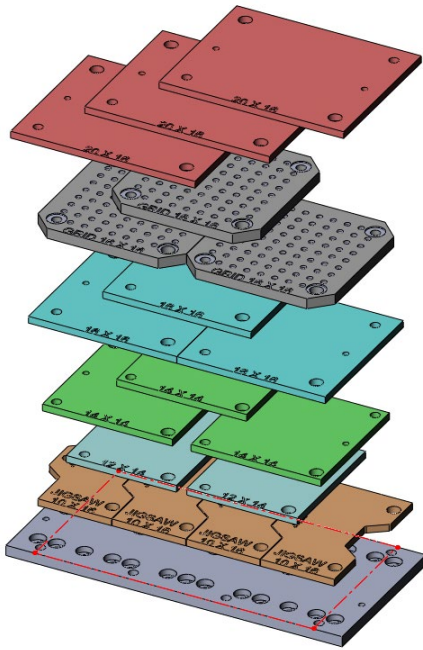
28813 Steel



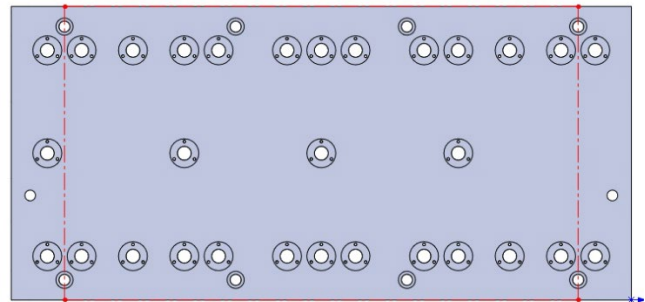
28715 Aluminum

28815 Steel

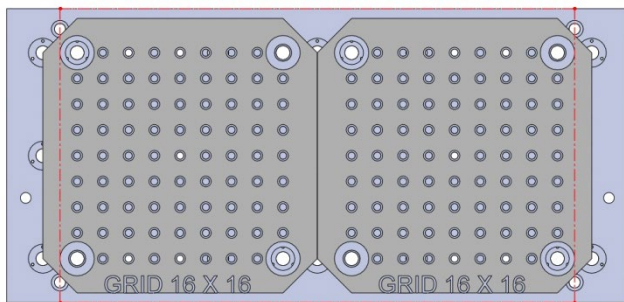
DNM400-003 (CONTINUED)



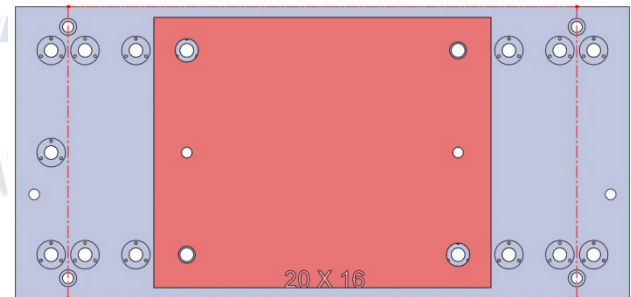
36.22 X 17.12 X 1.25



DNM400-003



28801 Steel Grid Fixture Plate



28719 Aluminum

28819 Steel

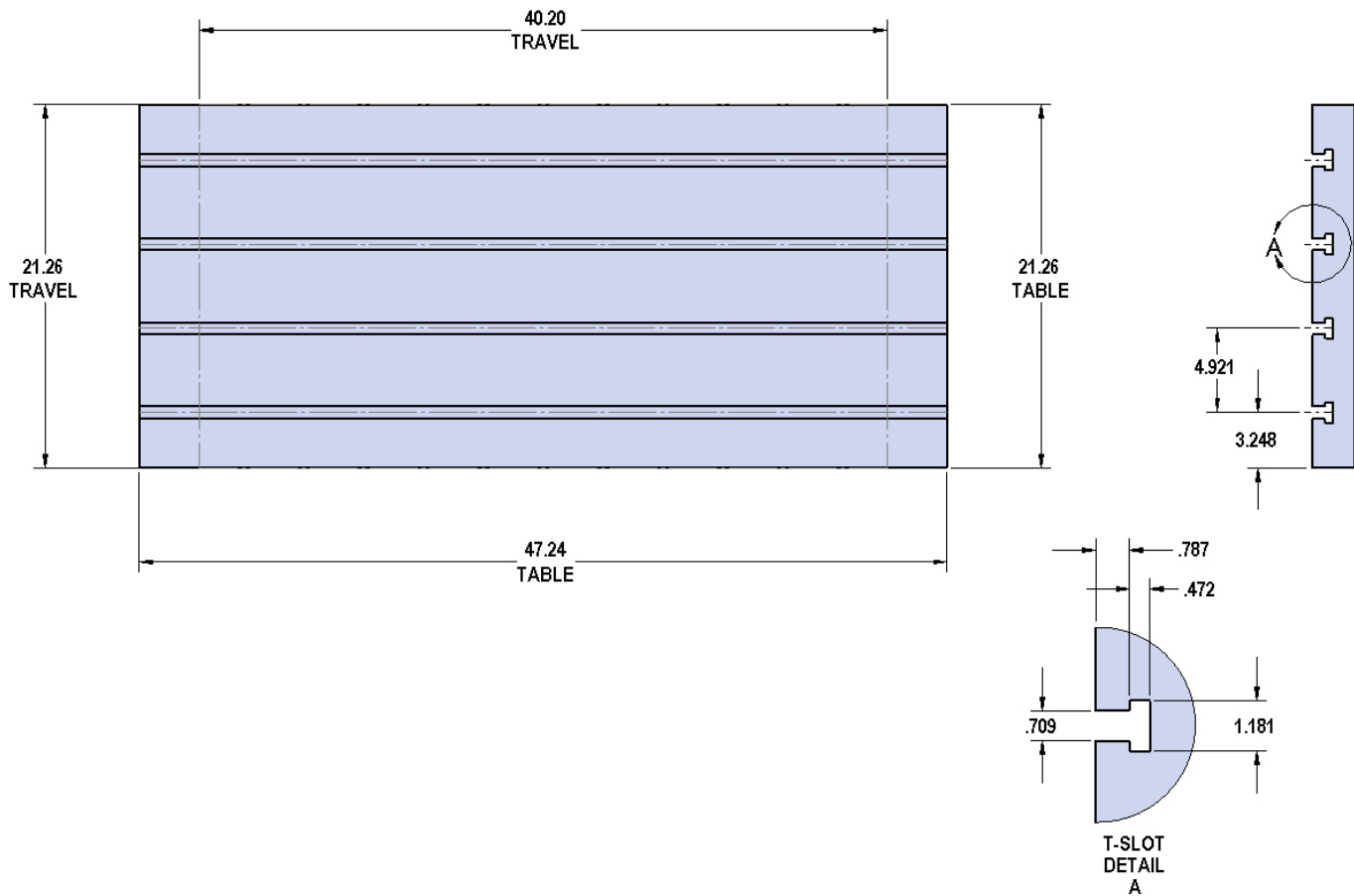
DNM500



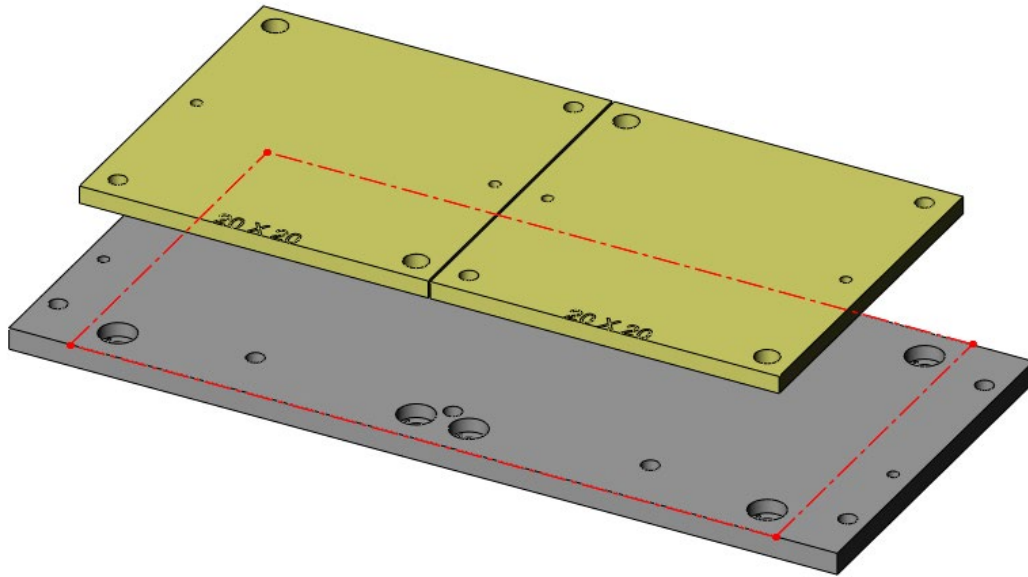
[DNM500]

Table Specifications

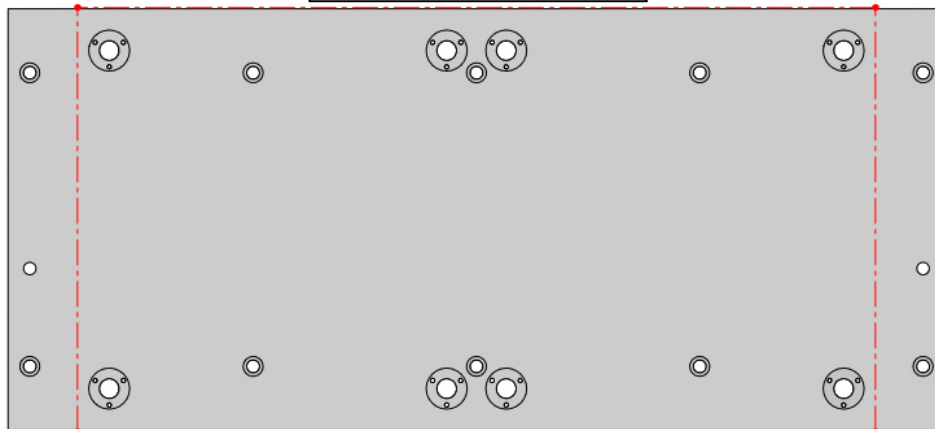
Table Travel (X,Y,Z): 40.2" x 21.26" x 20.1"
 Table Dimensions (L x W): 47.24" x 21.26"
 Maximum Weight on Table: 1763.7 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



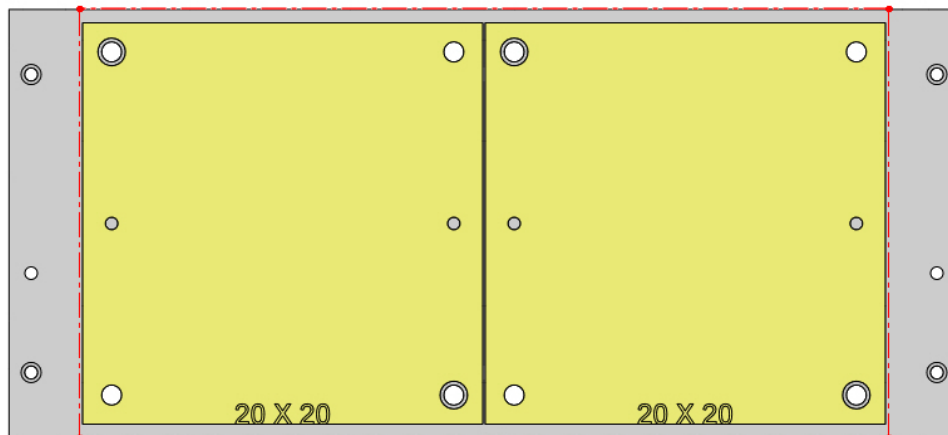
DNM500-001



47.2 X 21.2 X 1.25



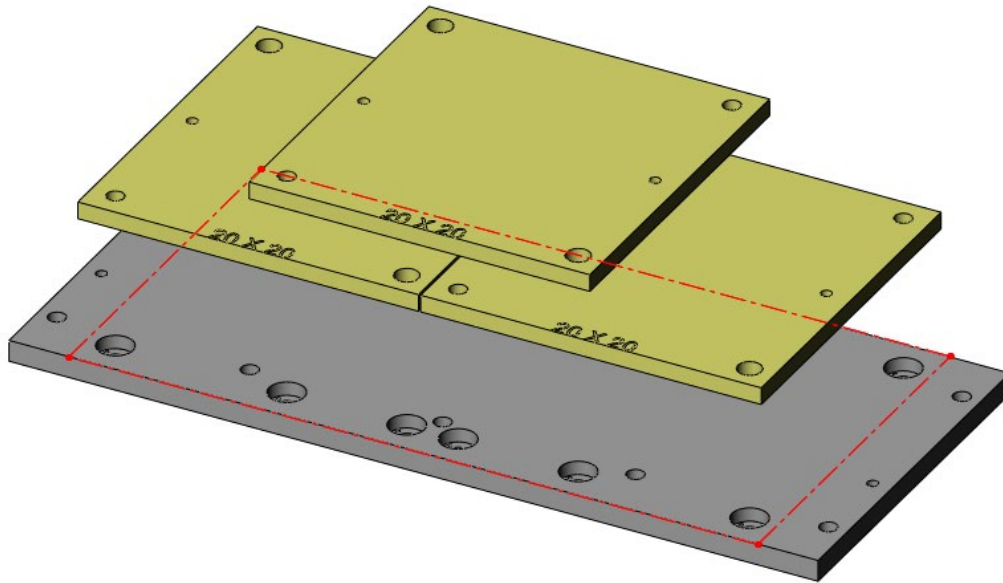
DNM500-001



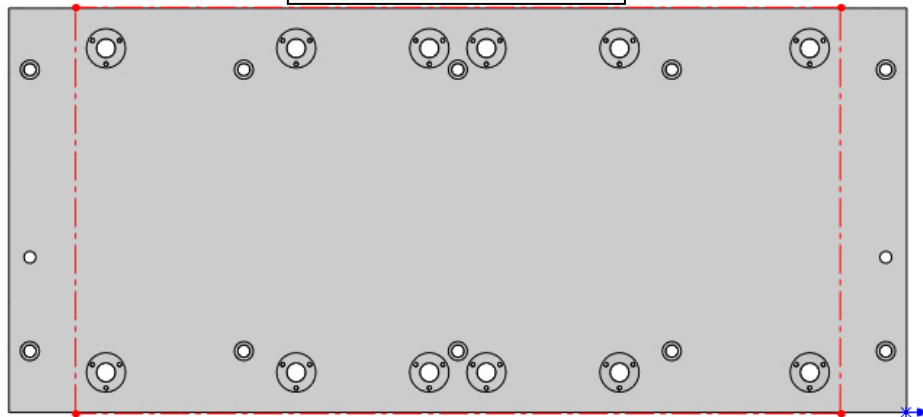
28727 Aluminum

28827 Steel

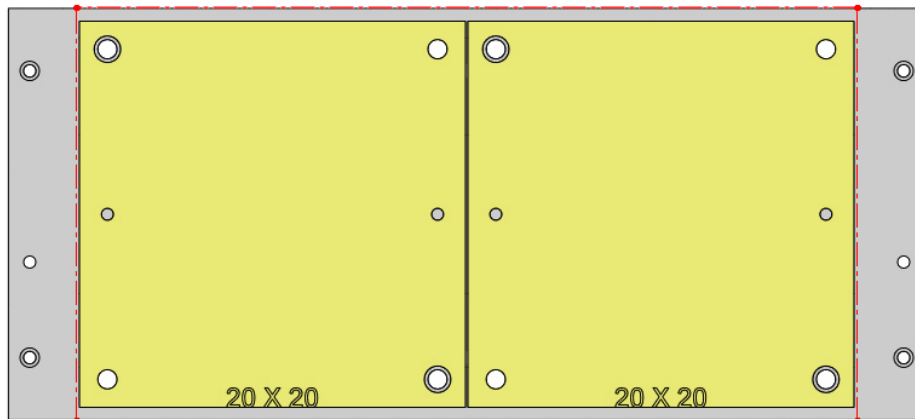
DNM500-002



47.2 X 21.2 X 1.25



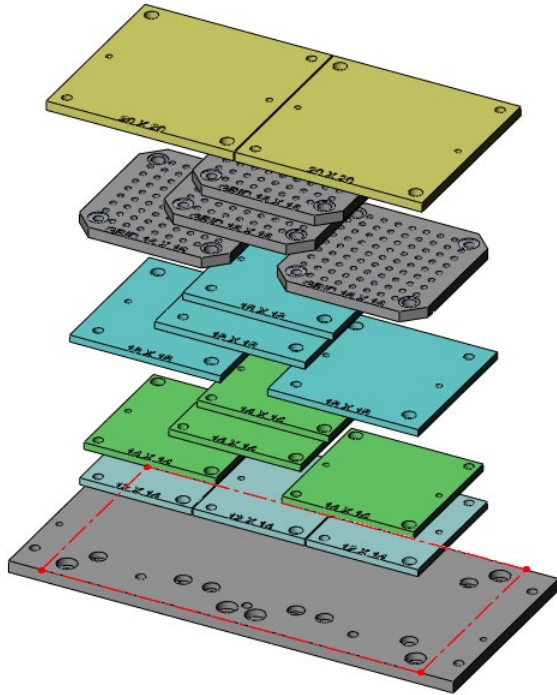
DNM500-002



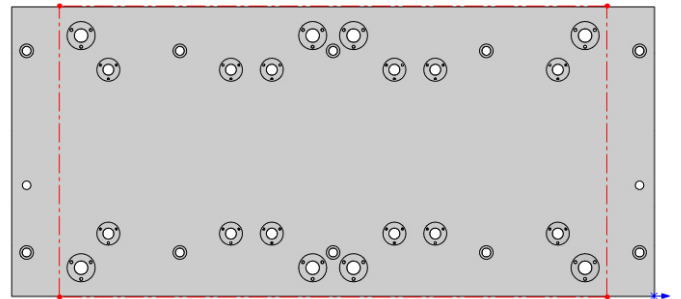
28727 Aluminum

28827 Steel

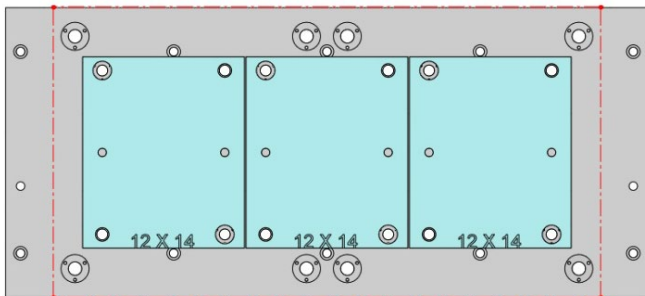
DNM500-003



47.2 X 21.2 X 1.25

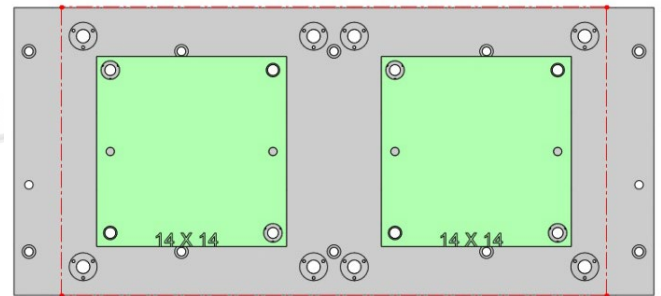


DNM500-003



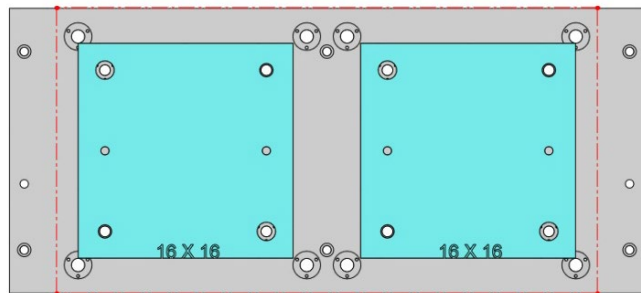
28711 Aluminum

28811 Steel



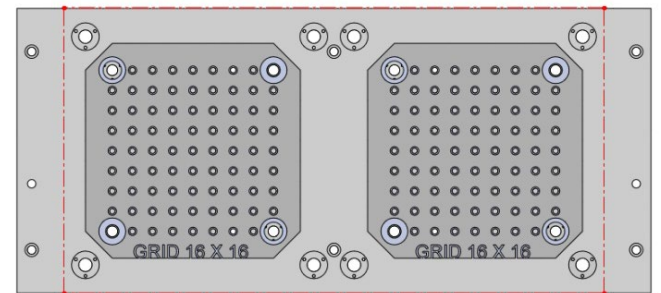
28713 Aluminum

28813 Steel



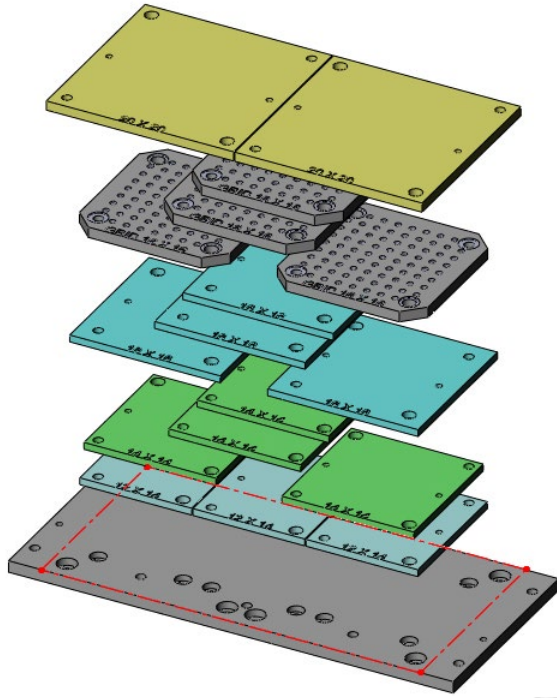
28715 Aluminum

28815 Steel

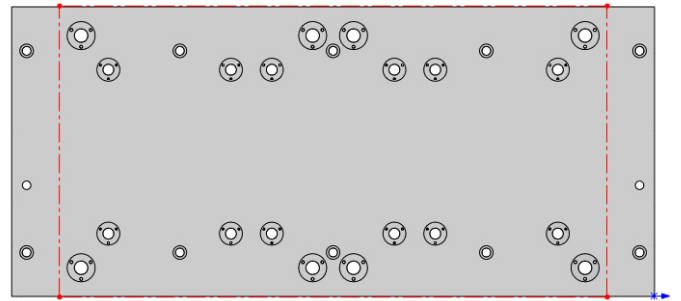


28801 Steel Grid Fixture Plate

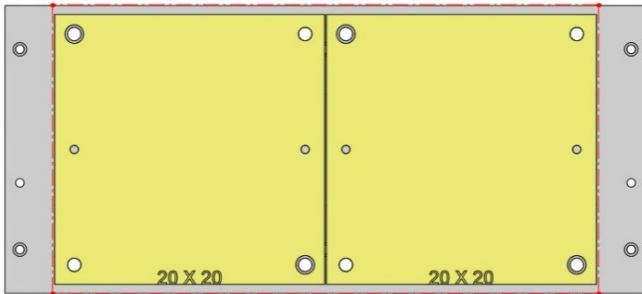
DNM500-003 (CONTINUED)



47.2 X 21.2 X 1.25



DNM500-003

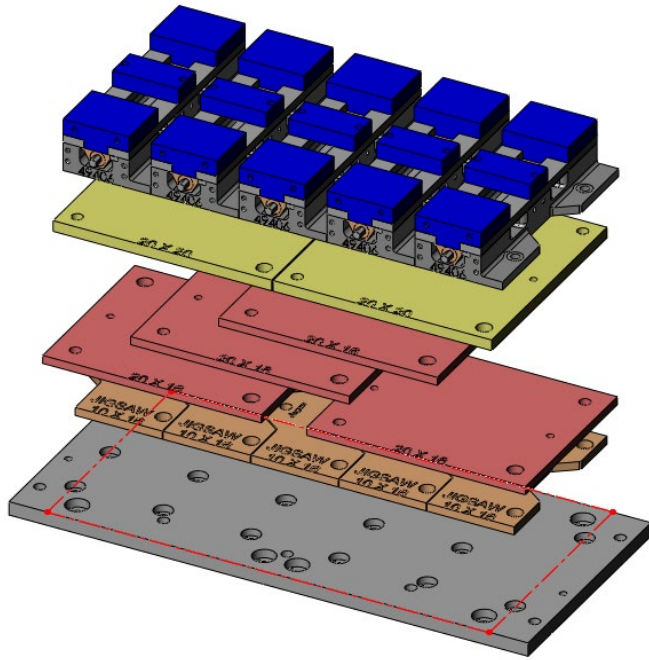


28727 Aluminum

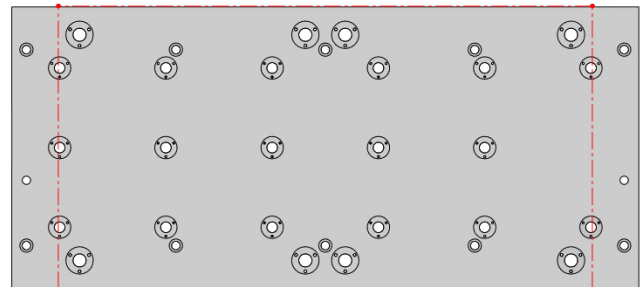
28827 Steel

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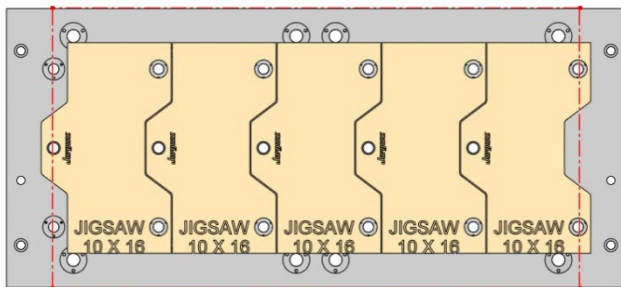
DNM500-004



47.2 X 21.2 X 1.25

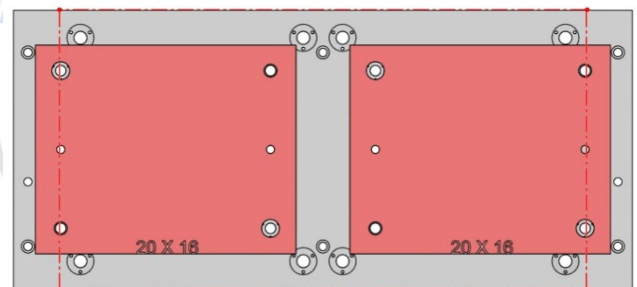


DNM500-004



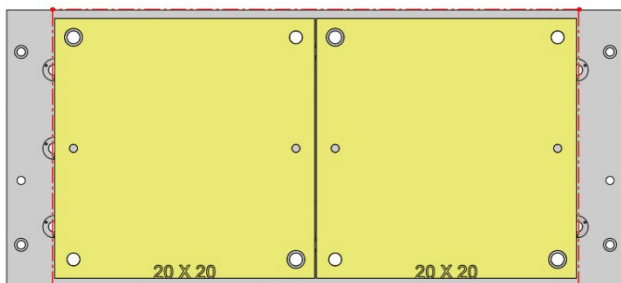
28706 Aluminum

28806 Steel



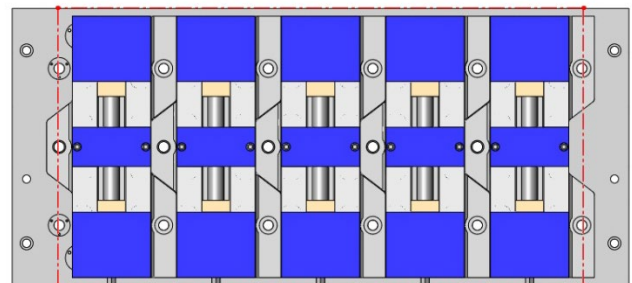
28719 Aluminum

28819 Steel



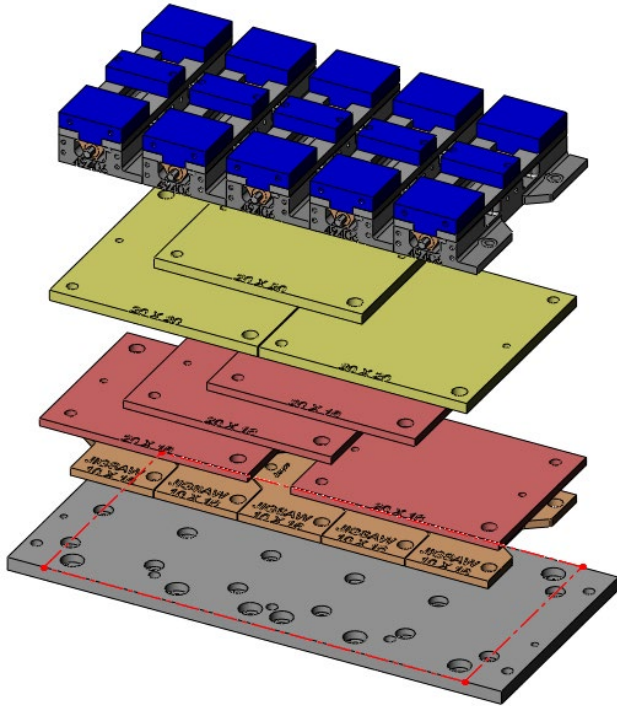
28727 Aluminum

28827 Steel

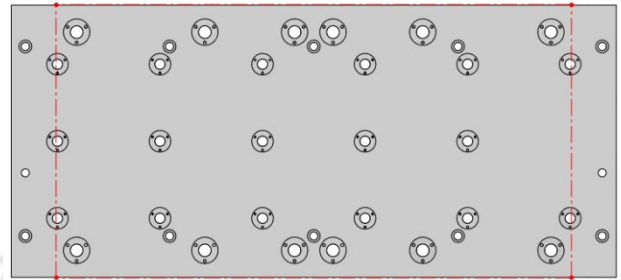


49406 6" Dual Station Production Vise

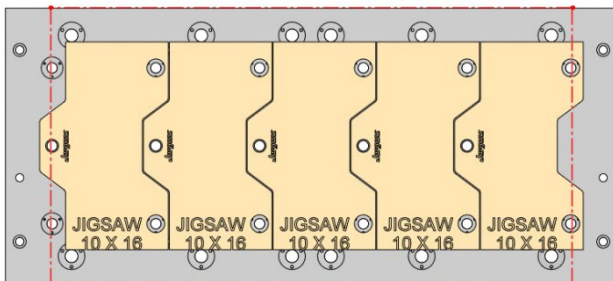
DNM500-005



47.2 X 21.2 X 1.25

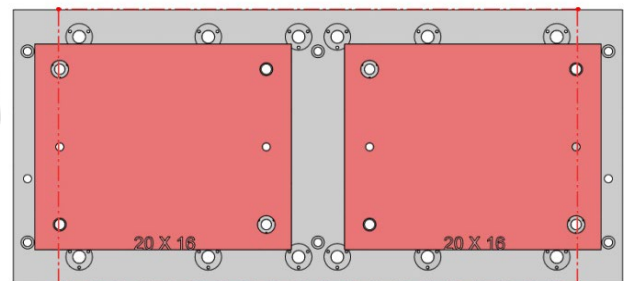


DNM500-005



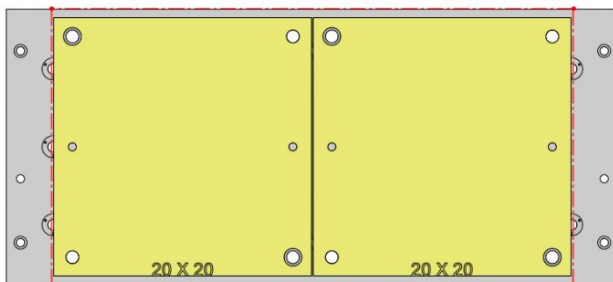
28706 Aluminum

28806 Steel



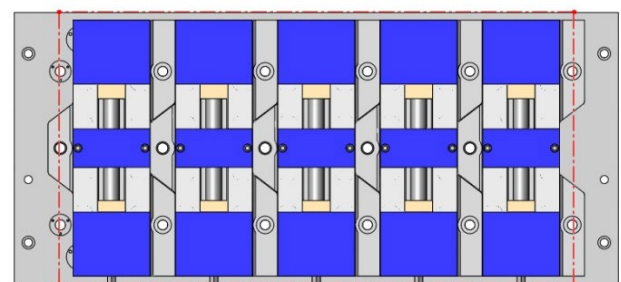
28719 Aluminum

28819 Steel



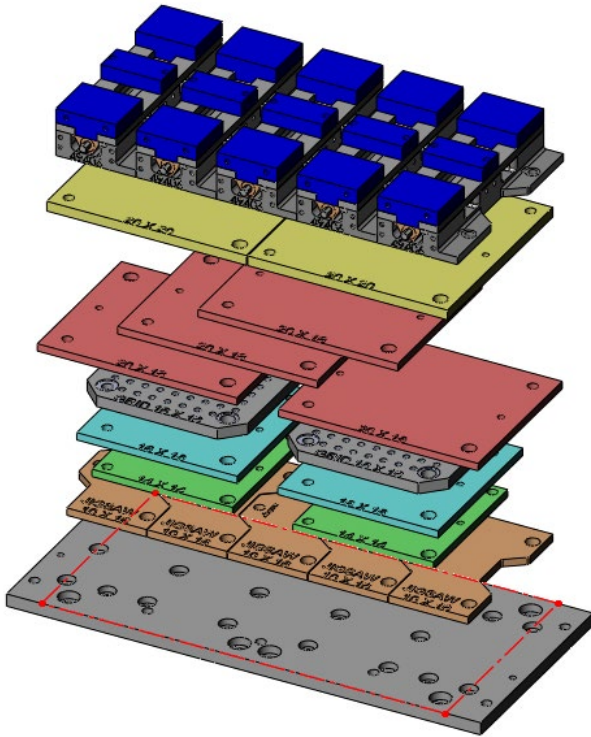
28727 Aluminum

28827 Steel

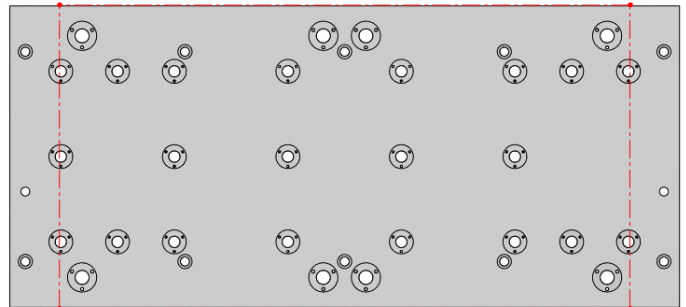


49406 6" Dual Station Production Vise

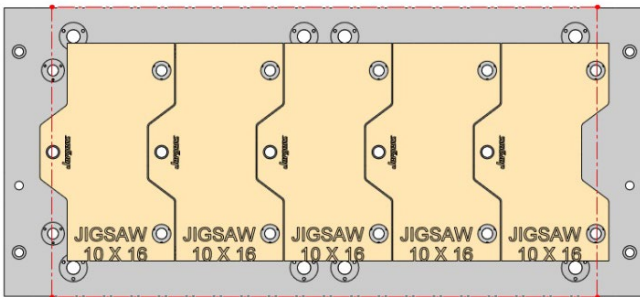
DNM500-006



47.2 X 21.2 X 1.25

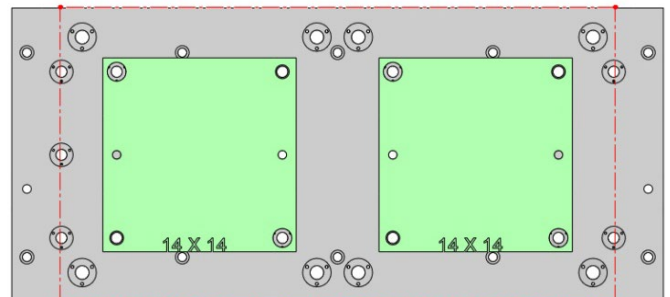


DNM500-006



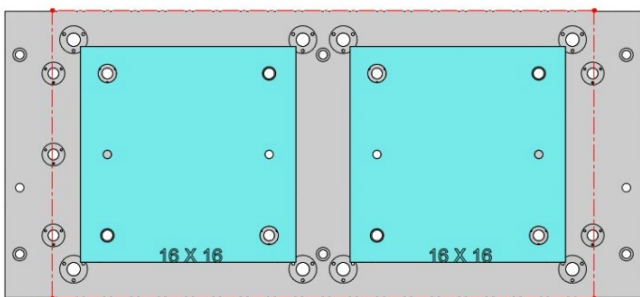
28706 Aluminum

28806 Steel



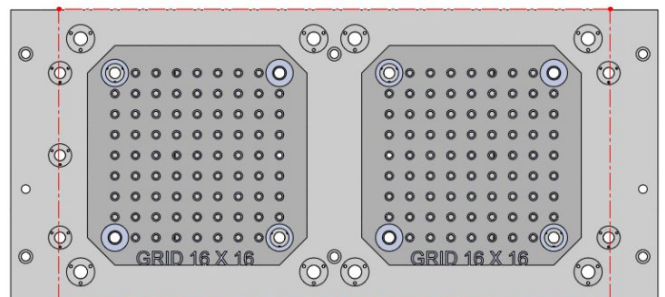
28713 Aluminum

28813 Steel



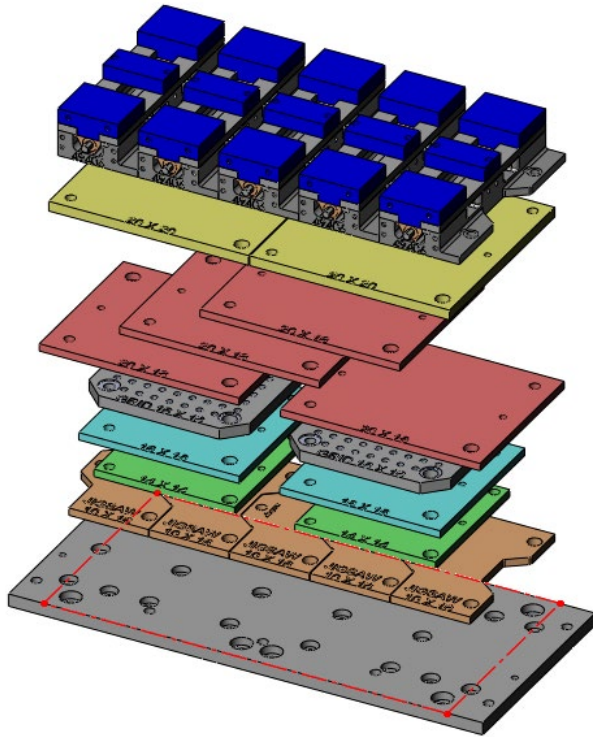
28715 Aluminum

28815 Steel

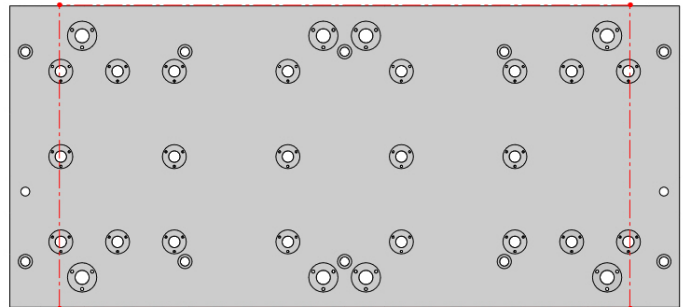


28801 Steel Grid Fixture Plate

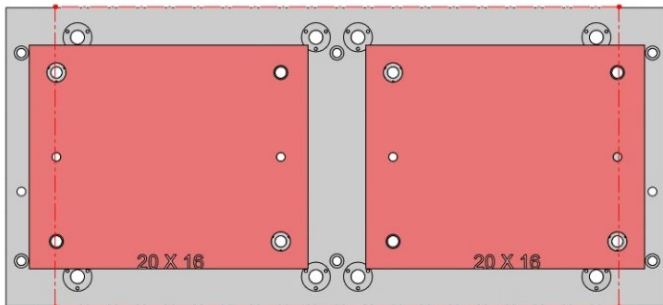
DNM500-006 (CONTINUED)



47.2 X 21.2 X 1.25

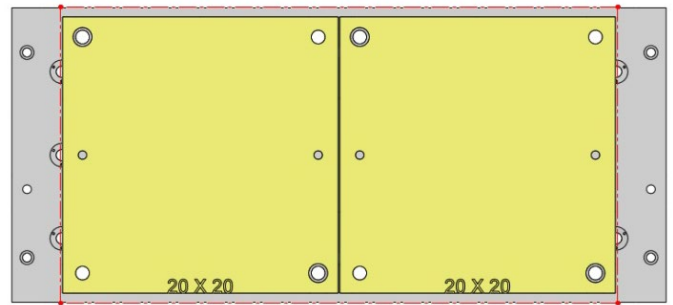


DNM500-006



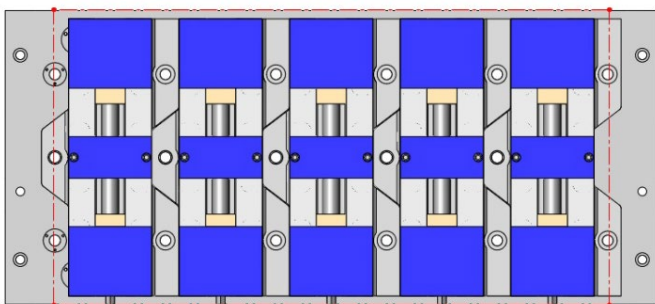
28719 Aluminum

28819 Steel



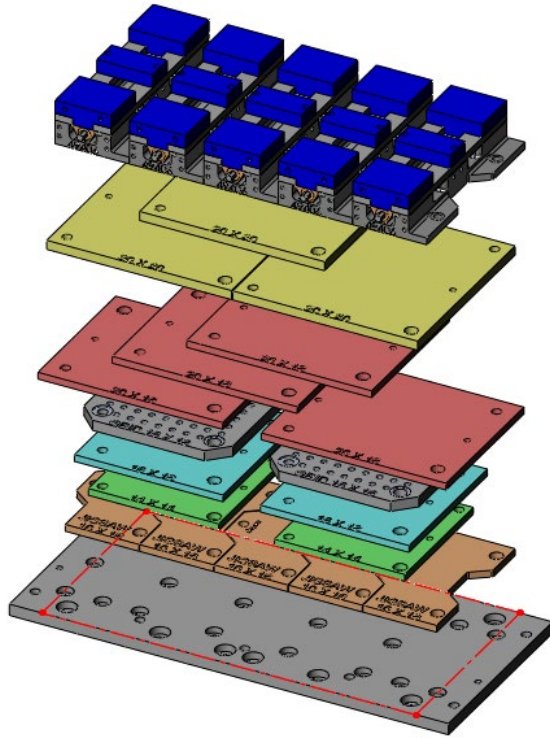
28727 Aluminum

28827 Steel

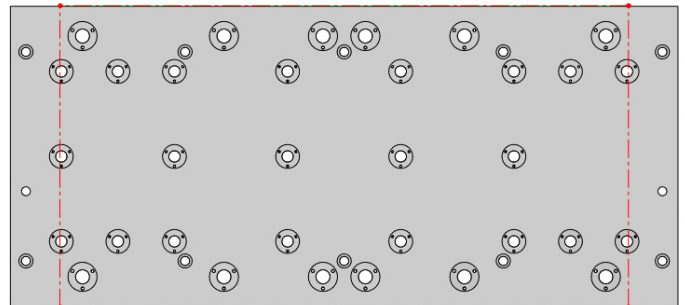


49406 6" Dual Station Production Vise

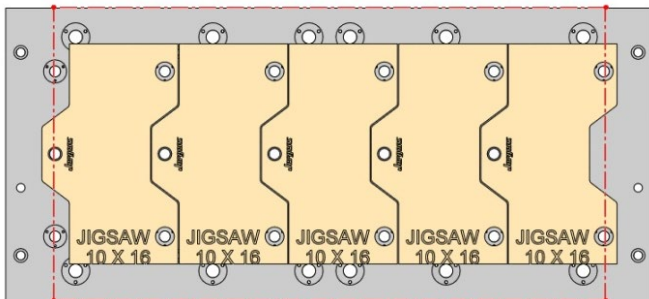
DNM500-007



47.2 X 21.2 X 1.25

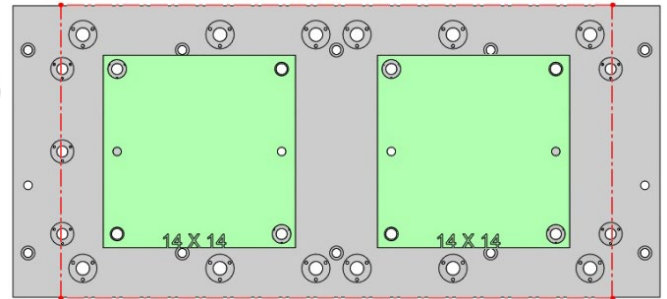


DNM500-007



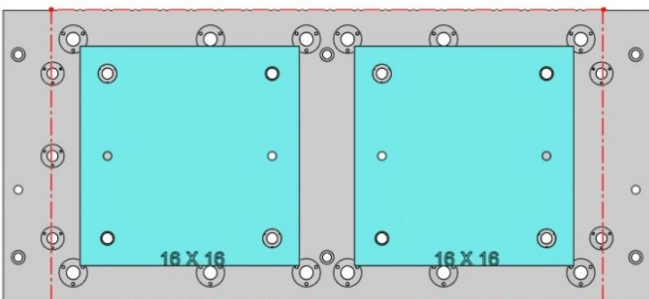
28706 Aluminum

28806 Steel



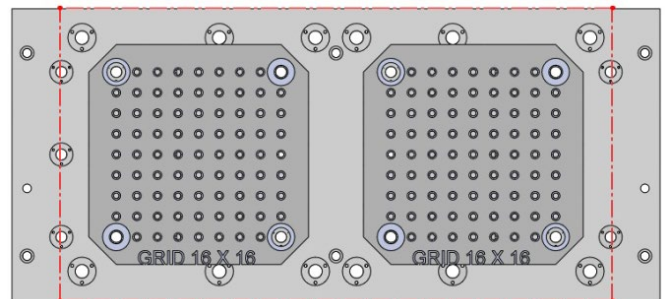
28713 Aluminum

28813 Steel



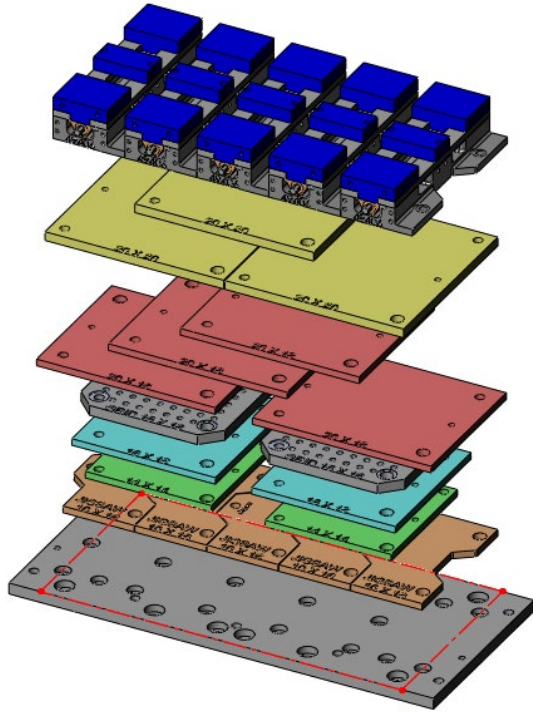
28715 Aluminum

28815 Steel

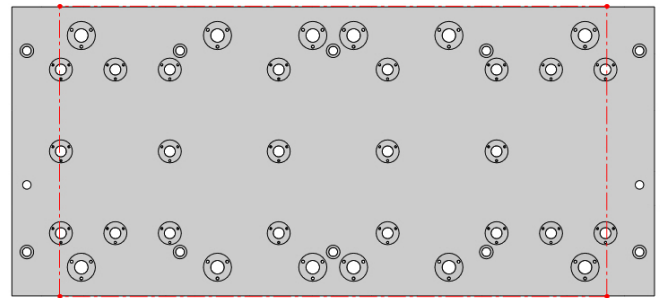


28801 Steel Grid Fixture Plate

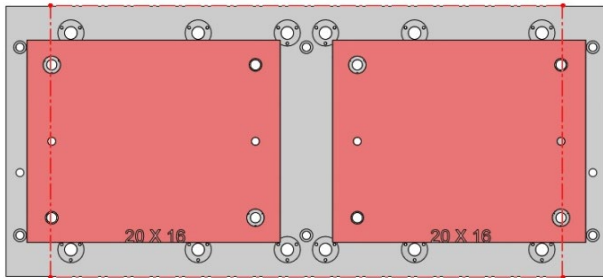
DNM500-007 (CONTINUED)



47.2 X 21.2 X 1.25

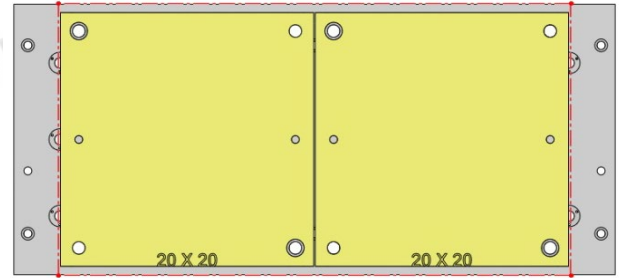


DNM500-007



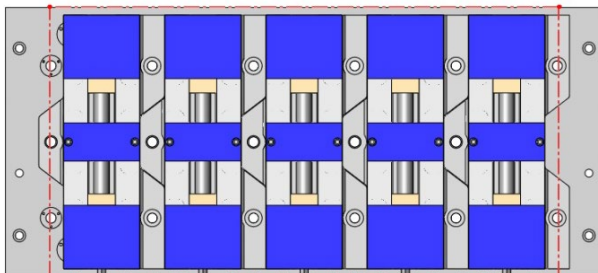
28719 Aluminum

28819 Steel



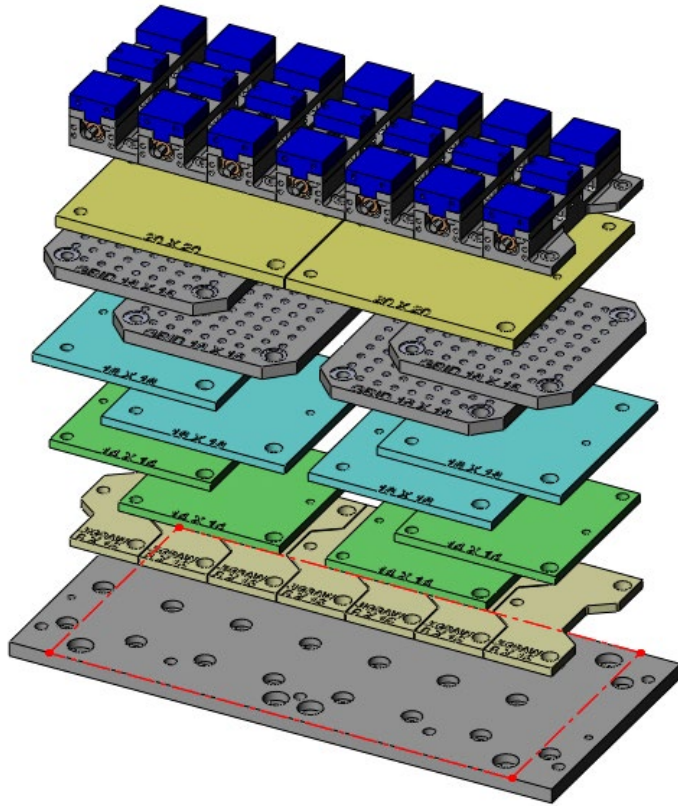
28727 Aluminum

28827 Steel

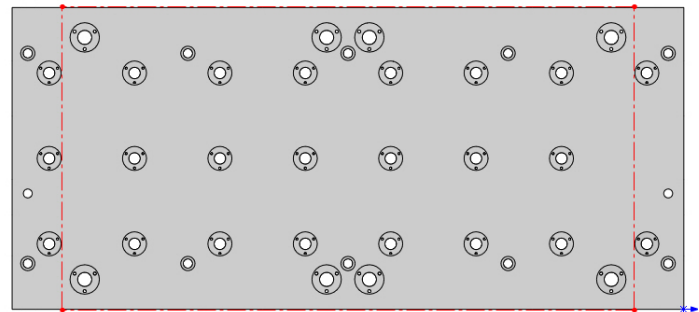


49406 6" Dual Station Production Vise

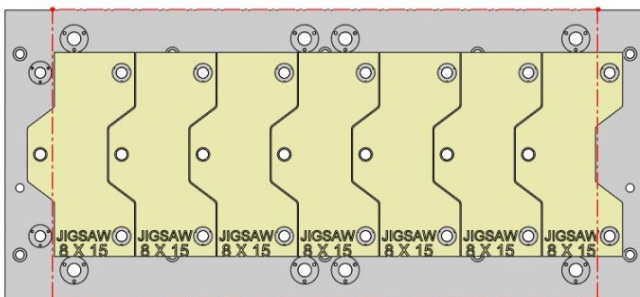
DNM500-008



47.2 X 21.2 X 1.25

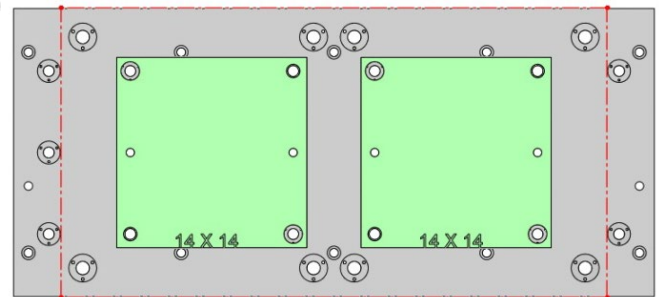


DNM500-008



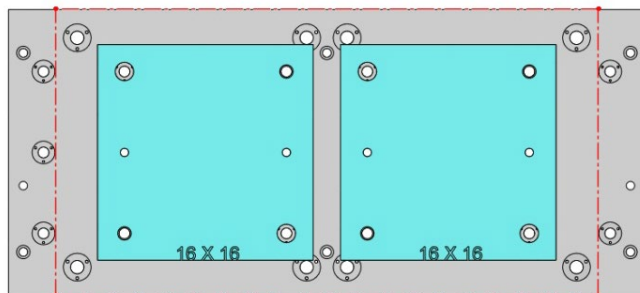
28705 Aluminum

28805 Steel



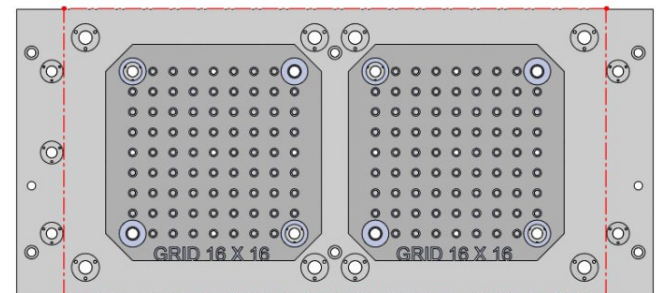
28713 Aluminum

28813 Steel



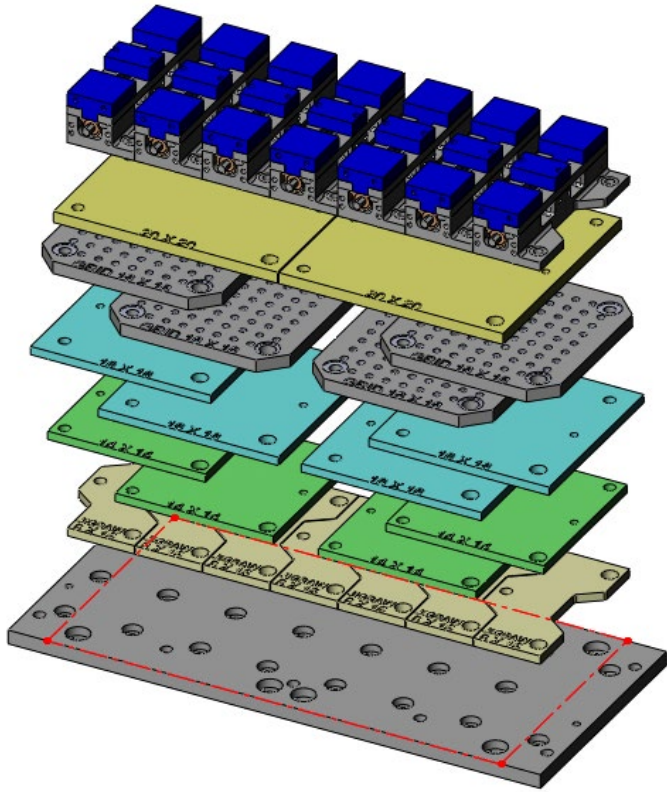
28715 Aluminum

28815 Steel

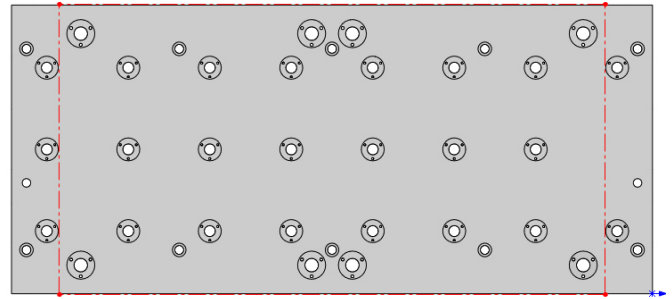


28801 Steel Grid Fixture Plate

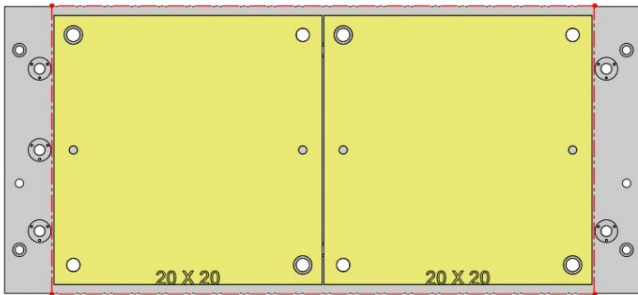
DNM500-008 (CONTINUED)



47.2 X 21.2 X 1.25

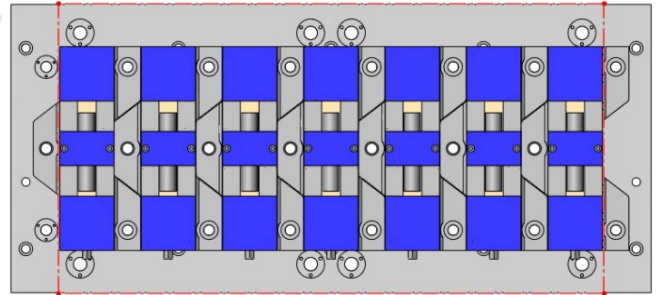


DNM500-008



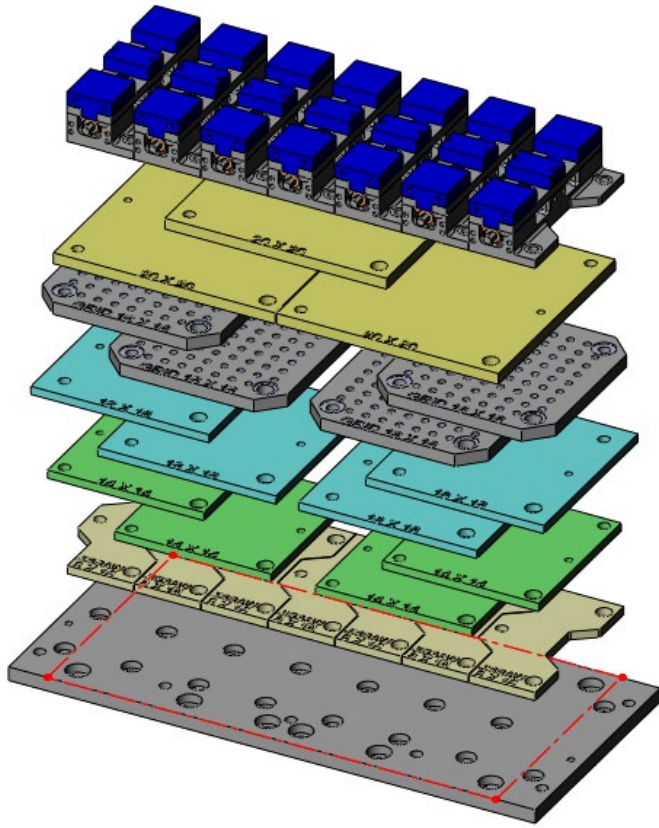
28727 Aluminum

28827 Steel

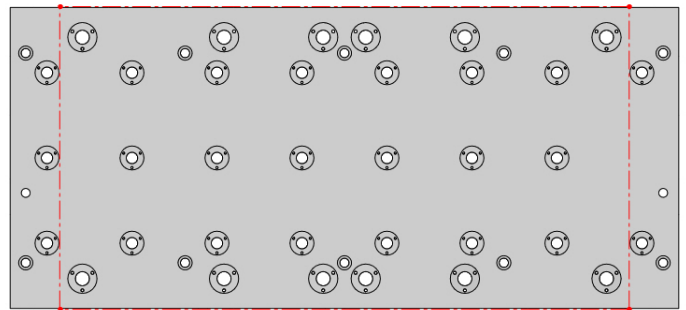


49405 4" Dual Station Production Vise

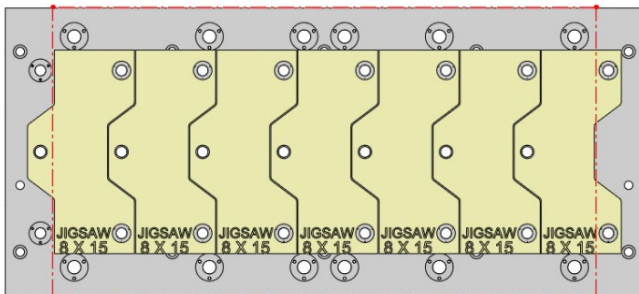
DNM500-009



47.2 X 21.2 X 1.25

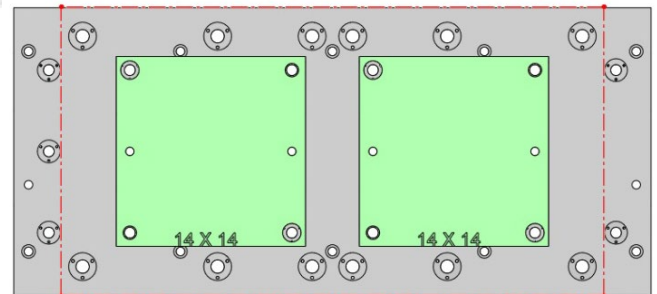


DNM500-009



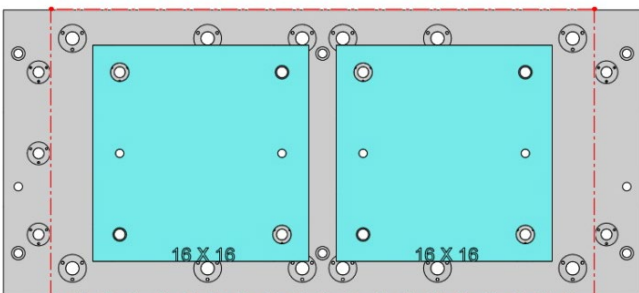
28705 Aluminum

28805 Steel



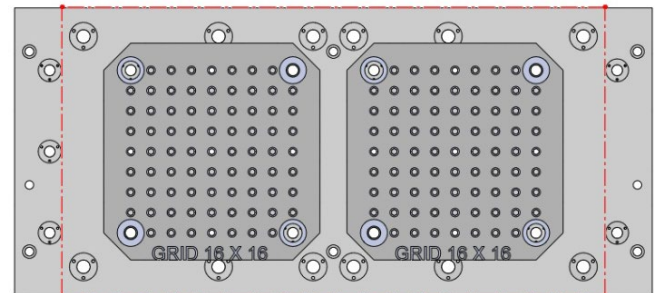
28713 Aluminum

28813 Steel



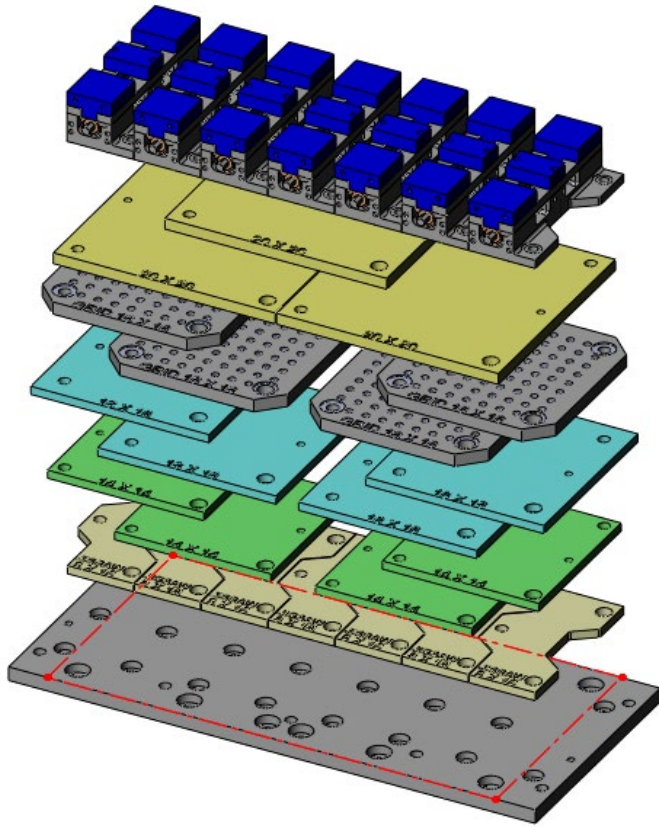
28715 Aluminum

28815 Steel

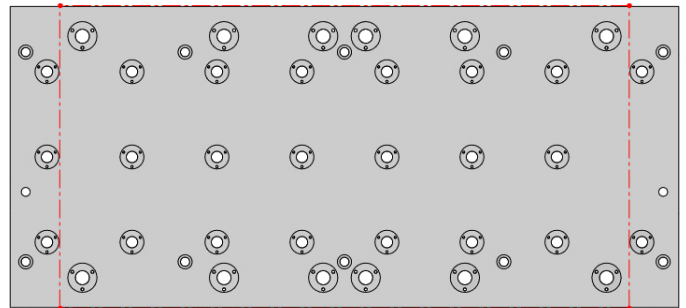


28801 Steel Grid Fixture Plate

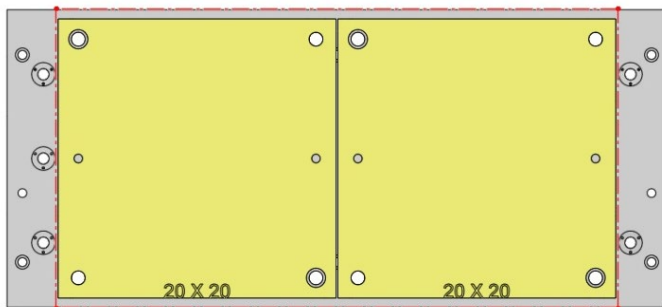
DNM500-009 (CONTINUED)



47.2 X 21.2 X 1.25

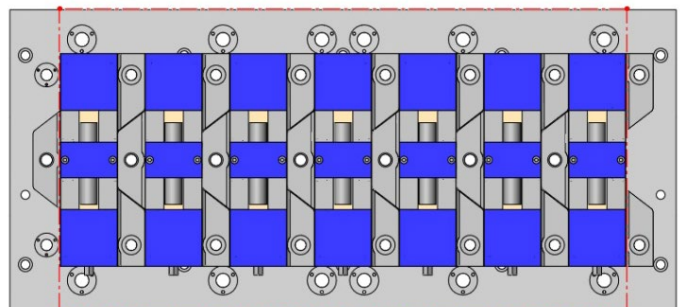


DNM500-009



28727 Aluminum

28827 Steel



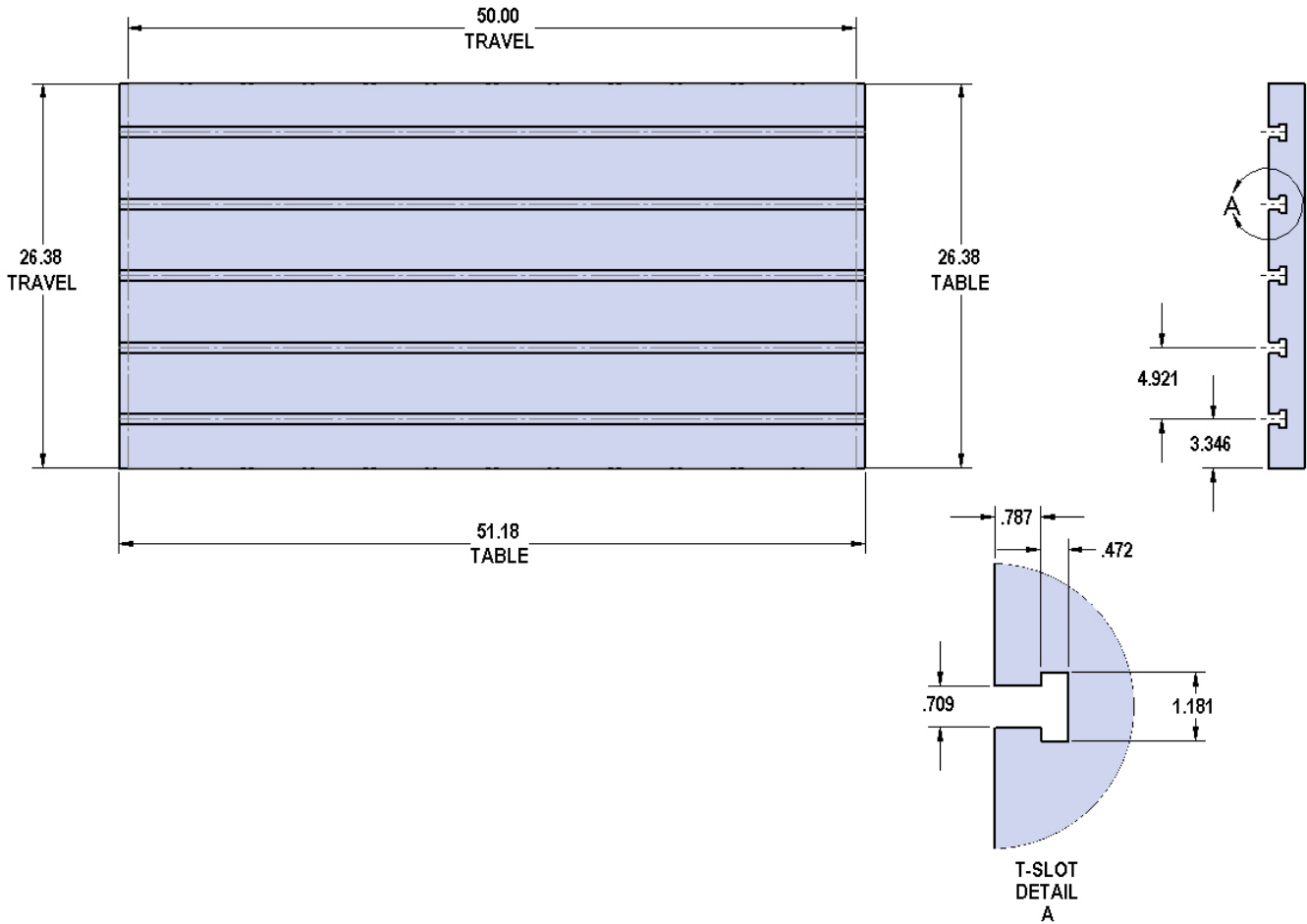
49405 4" Dual Station Production Vise

DNM650

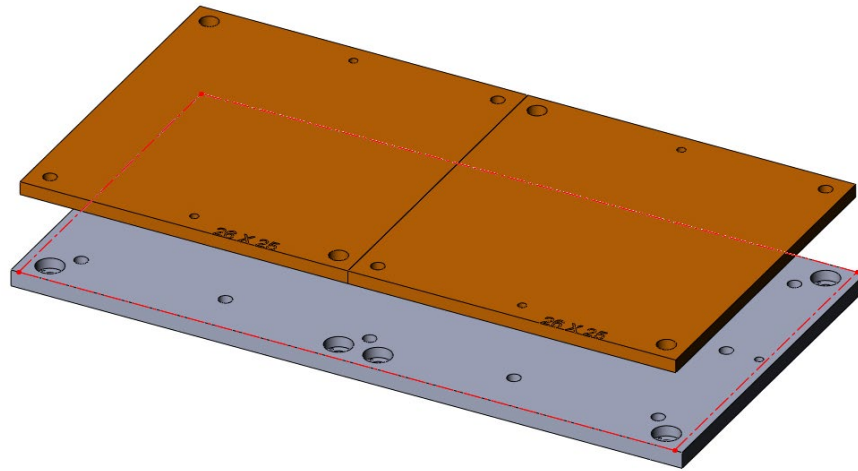


Table Specifications

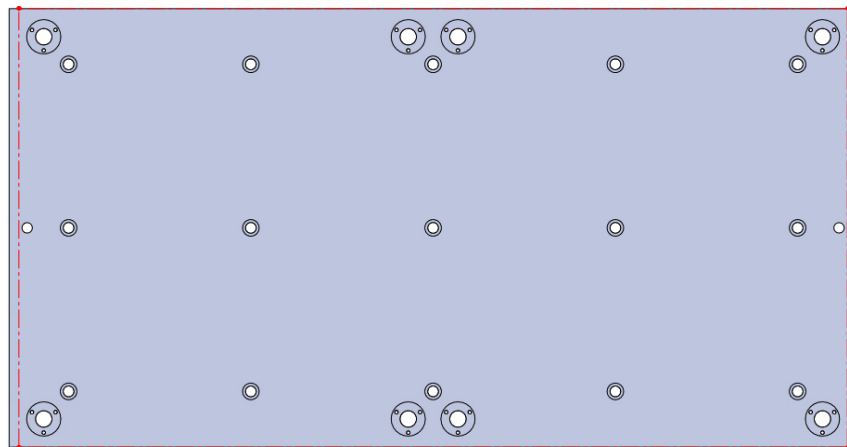
Table Travel (X,Y,Z): 50.0" x 26.38" x 24.6"
 Table Dimensions (L x W): 51.18" x 26.38"
 Maximum Weight on Table: 2204.6 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



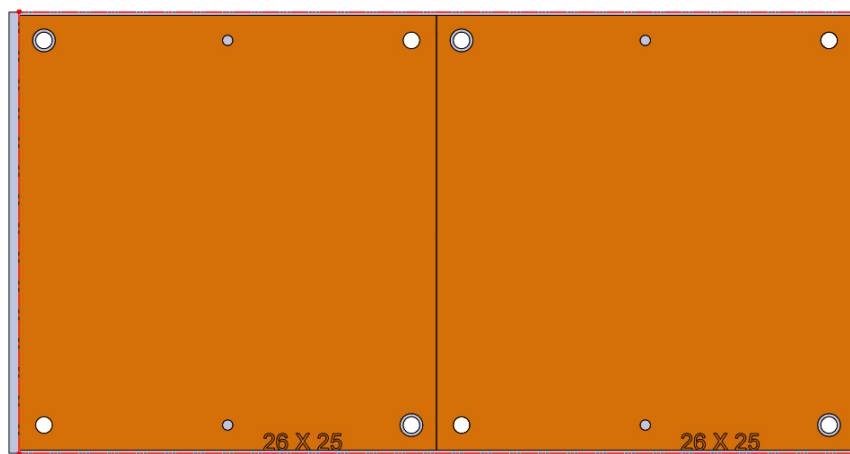
DNM650-001



51.8 X 26.37 X 1.25



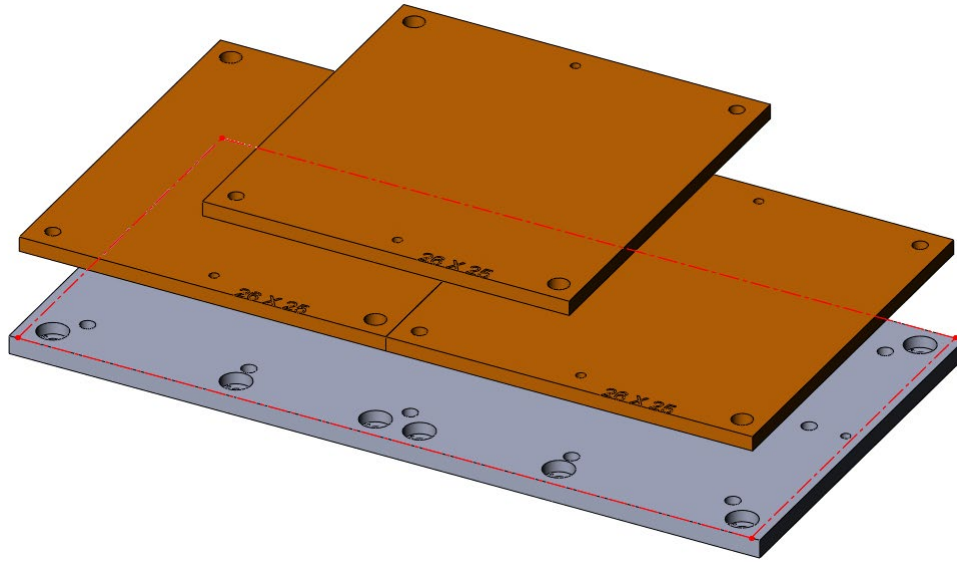
DNM650-001



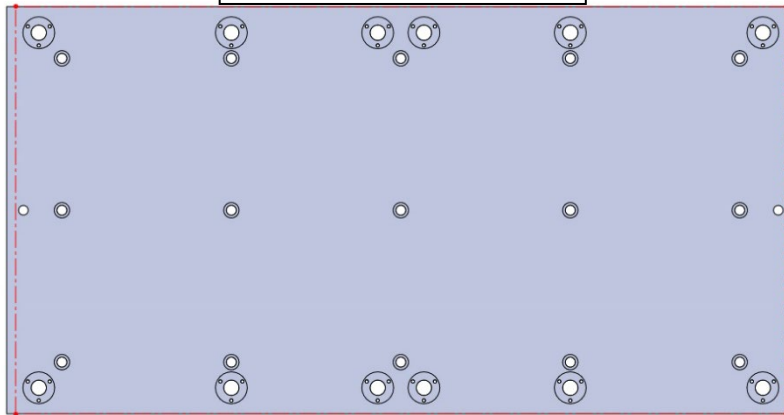
28746 Aluminum

28846 Steel

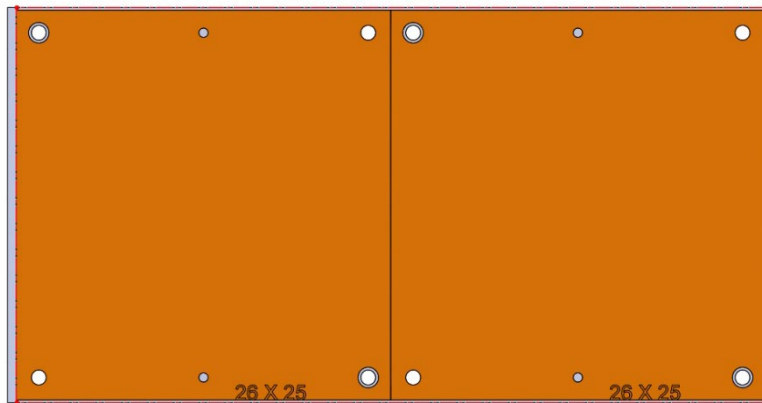
DNM650-002



51.8 X 26.37 X 1.25



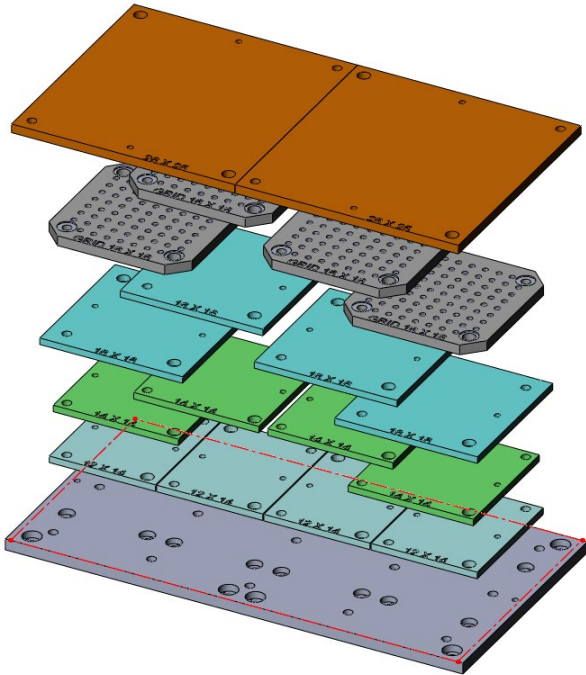
DNM650-002



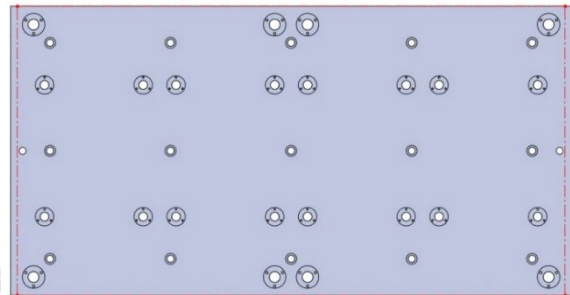
28746 Aluminum

28846 Steel

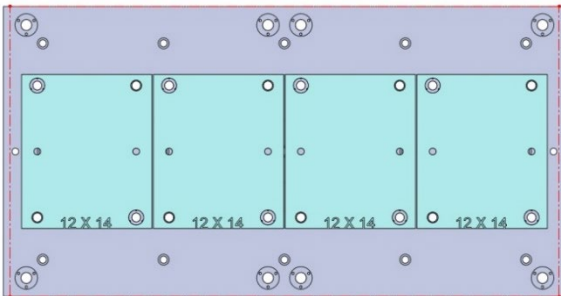
DNM650-003



51.8 X 26.37 X 1.25

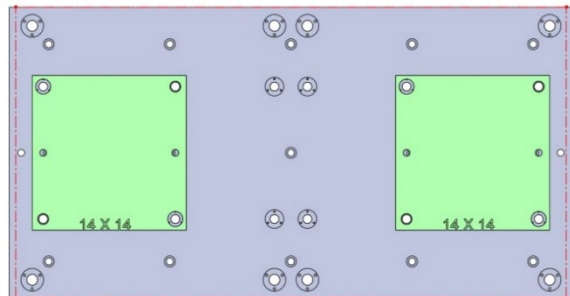


DNM650-003



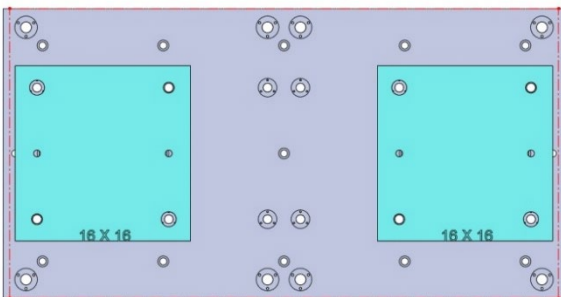
28711 Aluminum

28811 Steel



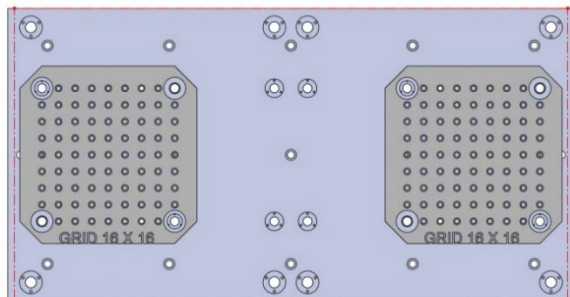
28713 Aluminum

28813 Steel



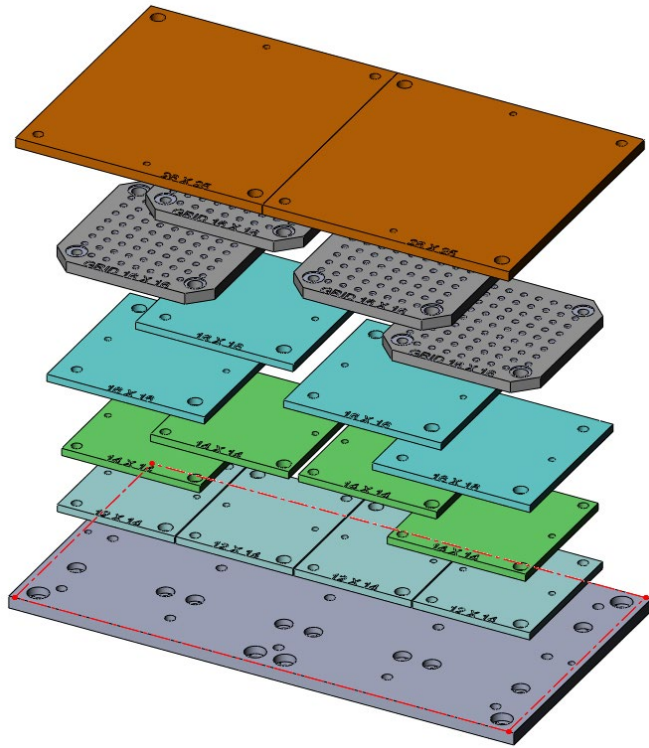
28715 Aluminum

28815 Steel

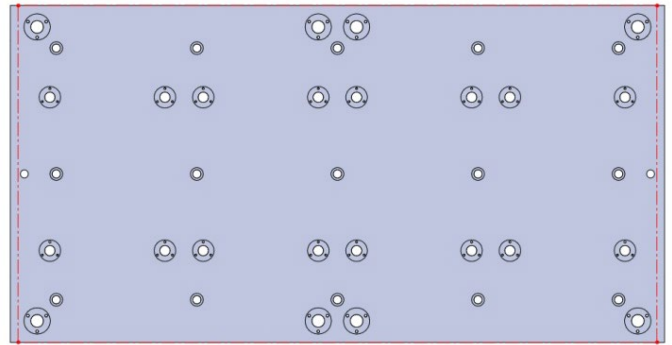


28801 Steel Grid Fixture Plate

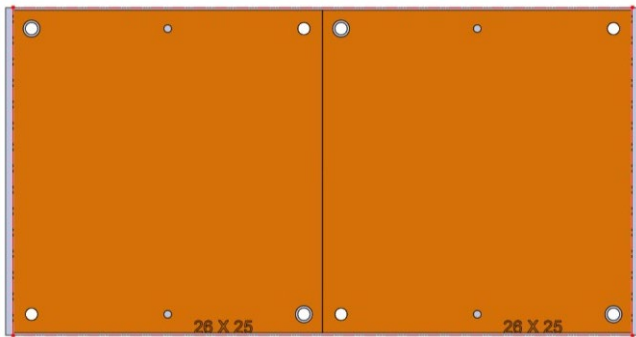
DNM650-003 (CONTINUED)



51.8 X 26.37 X 1.25



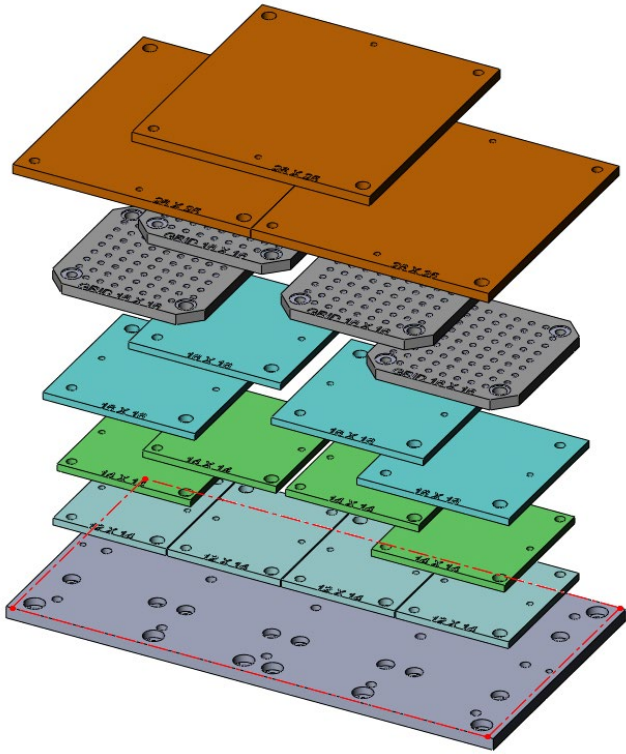
DNM650-003



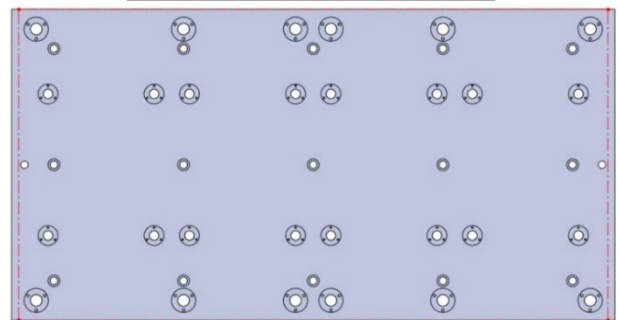
28746 Aluminum

28846 Steel

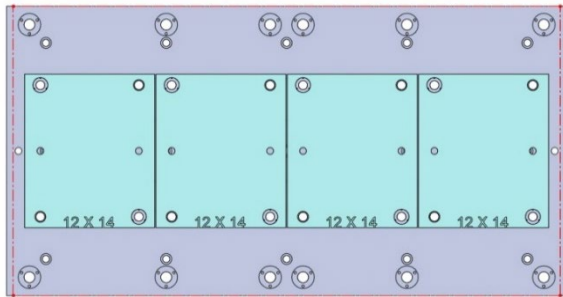
DNM650-004



51.8 X 26.37 X 1.25

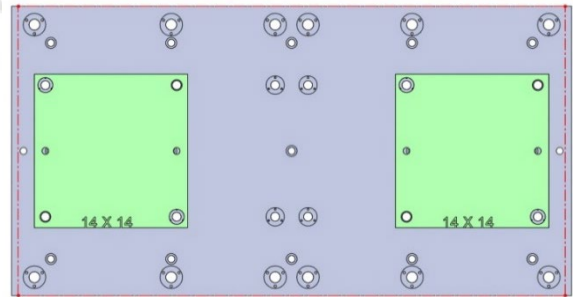


DNM650-004



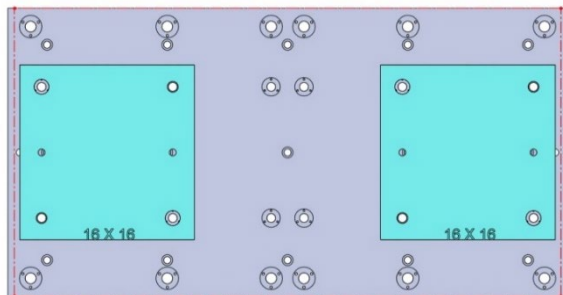
28711 Aluminum

28811 Steel



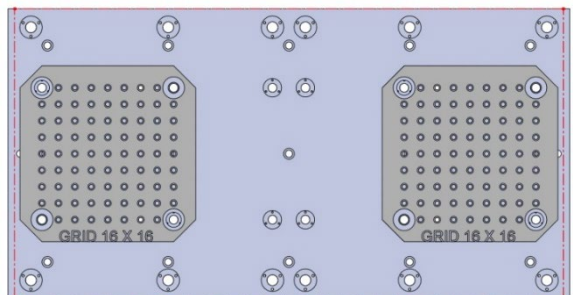
28713 Aluminum

28813 Steel



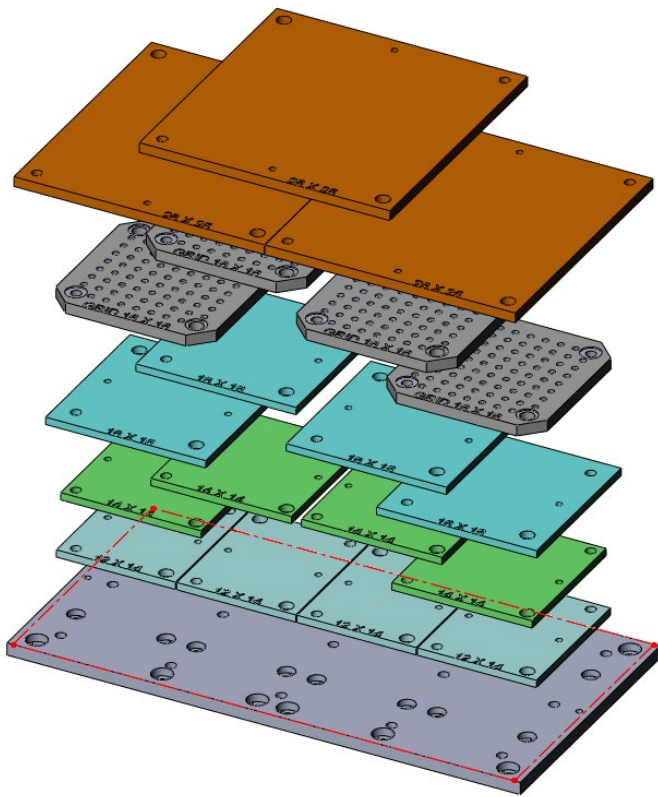
28715 Aluminum

28815 Steel

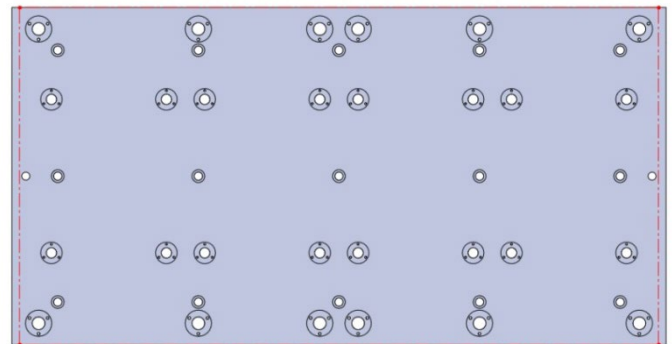


28801 Steel Grid Fixture Plate

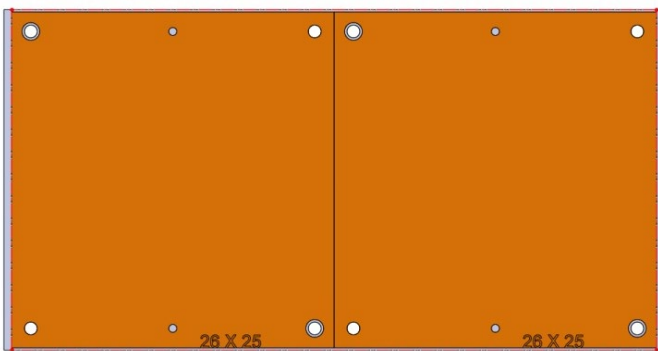
DNM650-004 (CONTINUED)



51.8 X 26.37 X 1.25



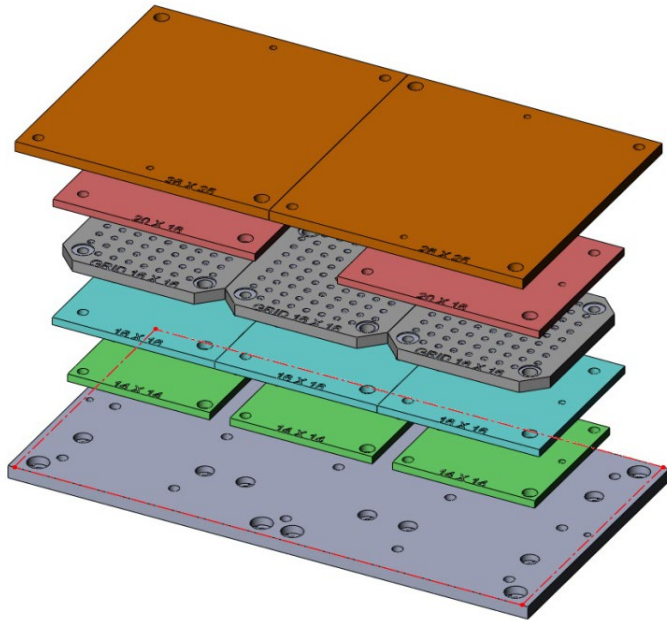
DNM650-004



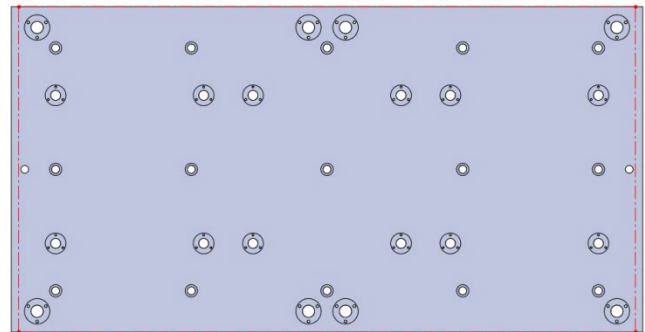
28746 Aluminum

28846 Steel

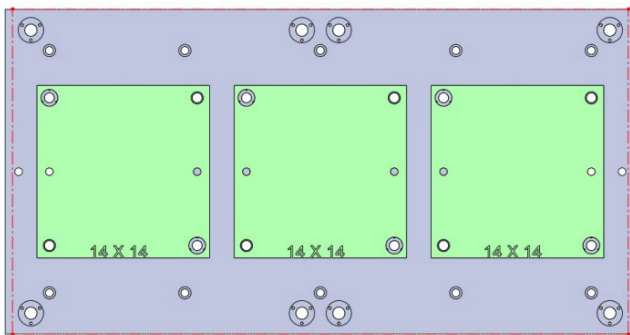
DNM650-005



51.8 X 26.37 X 1.25

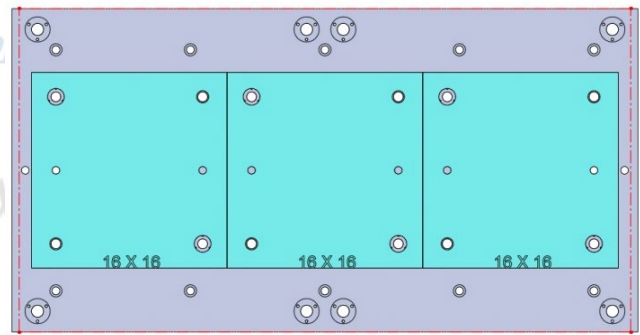


DNM650-005



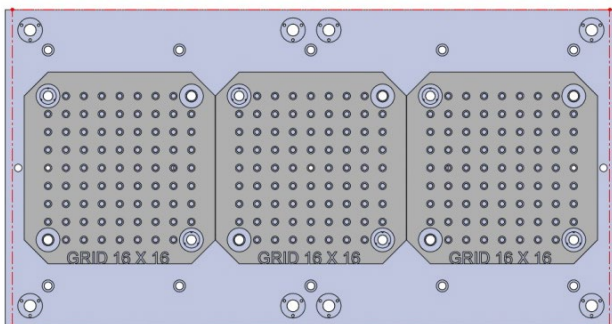
28713 Aluminum

28813 Steel

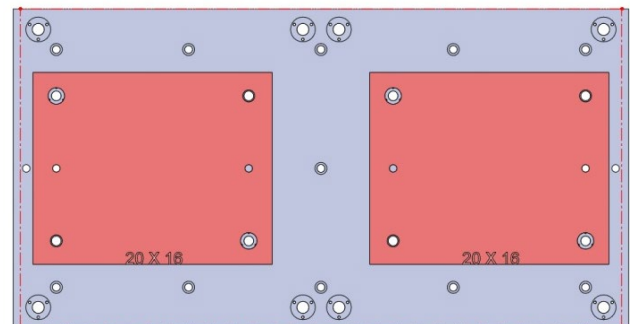


28715 Aluminum

28815 Steel



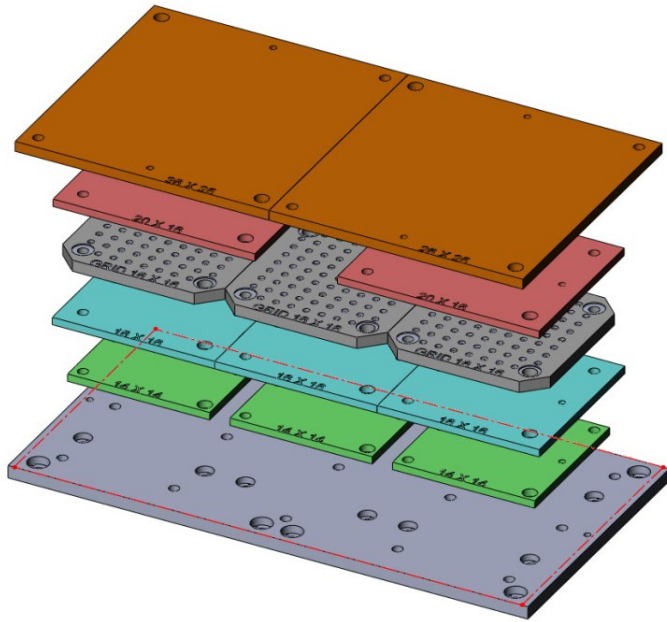
28801 Steel Grid Fixture Plate



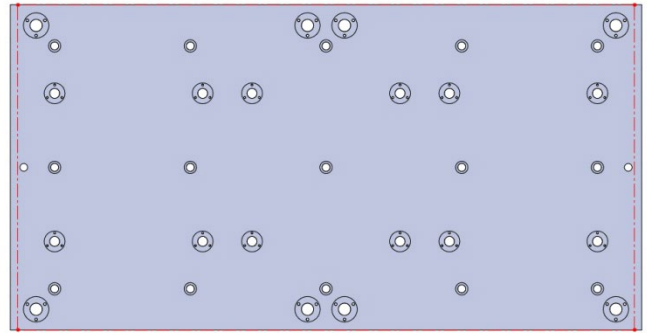
28719 Aluminum

28819 Steel

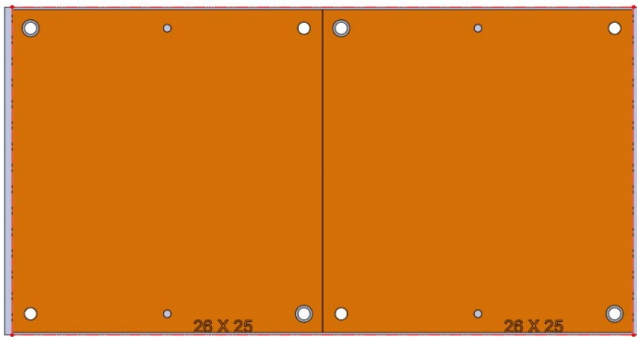
DNM650-005 (CONTINUED)



51.8 X 26.37 X 1.25



DNM650-005

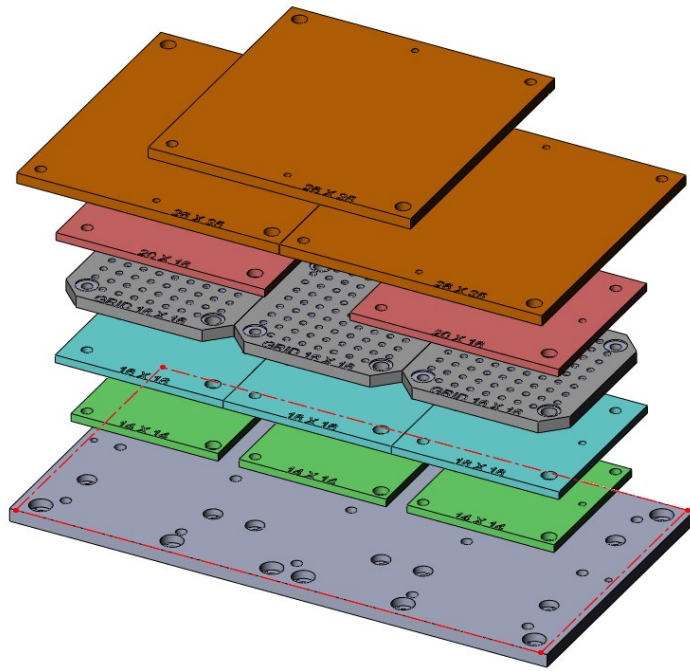


28746 Aluminum

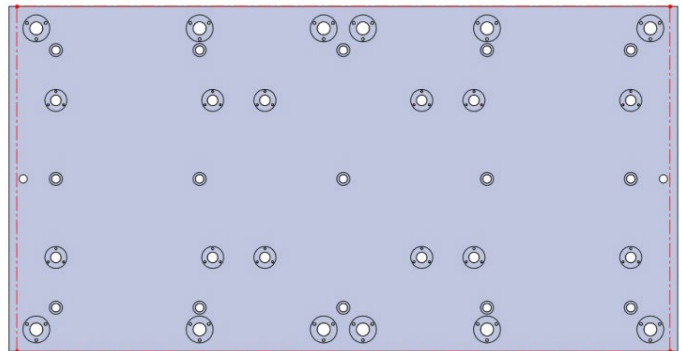
28846 Steel

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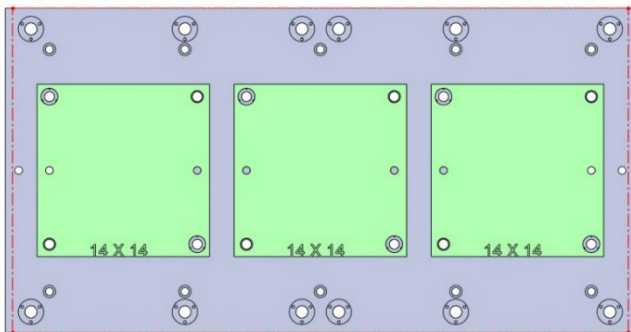
DNM650-006



51.8 X 26.37 X 1.25

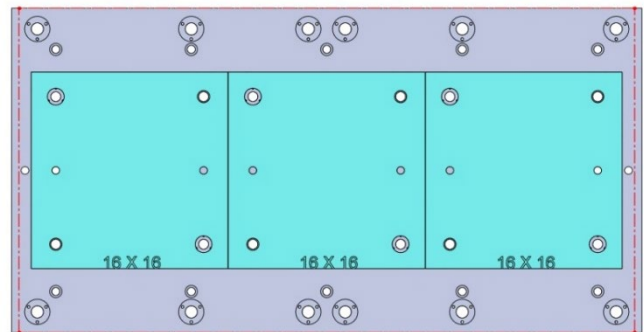


DNM650-006



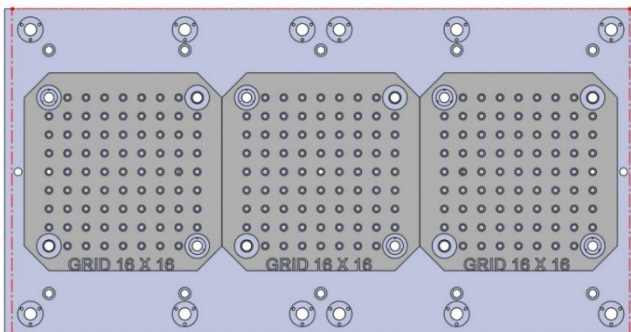
28713 Aluminum

28813 Steel

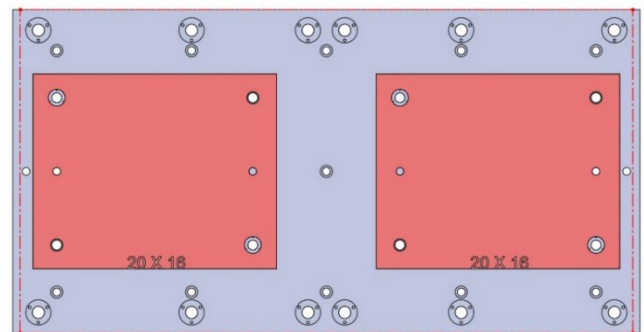


28715 Aluminum

28815 Steel



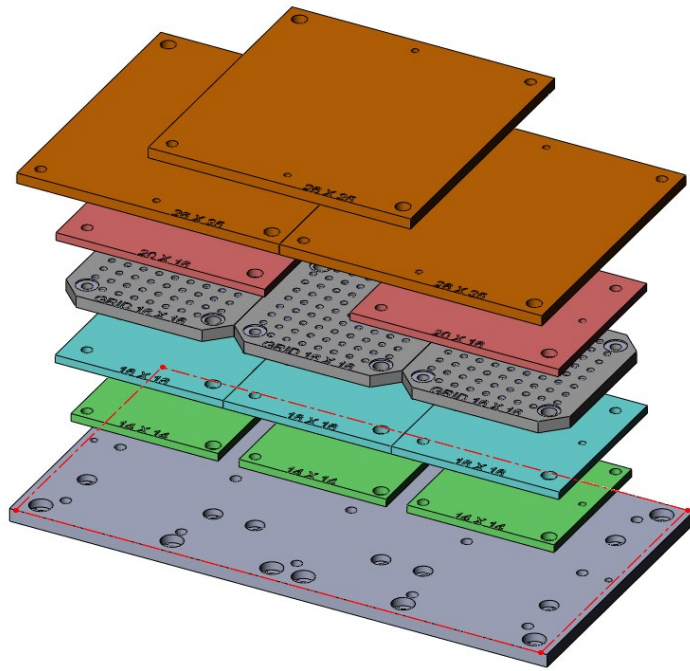
28801 Steel Grid Fixture Plate



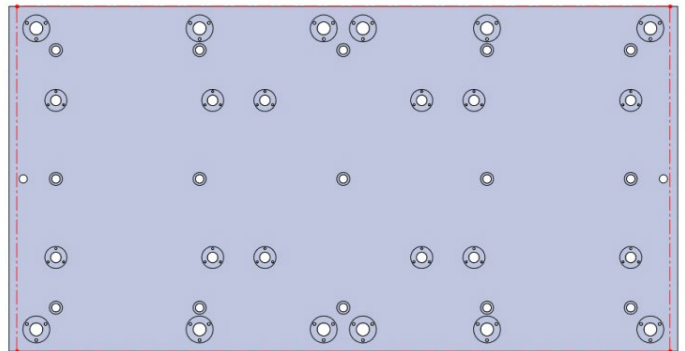
28719 Aluminum

28819 Steel

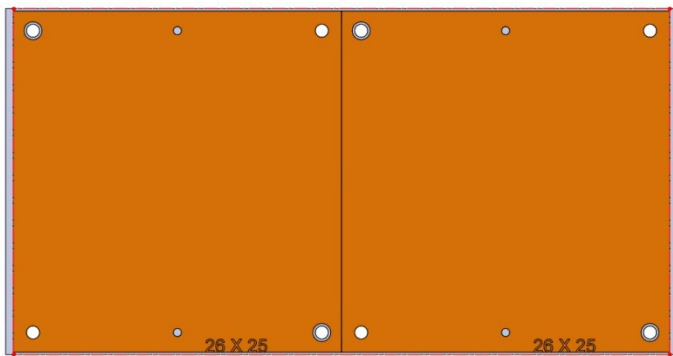
DNM650-006 (CONTINUED)



51.8 X 26.37 X 1.25



DNM650-006

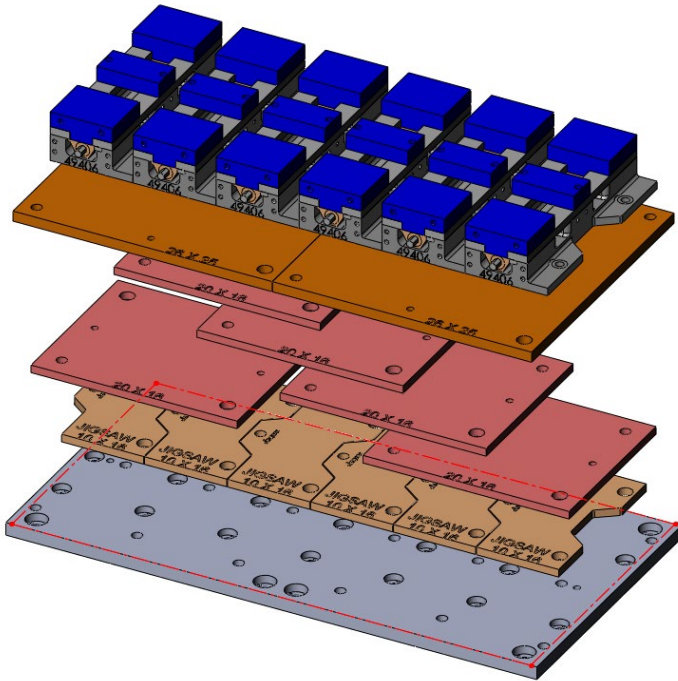


28746 Aluminum

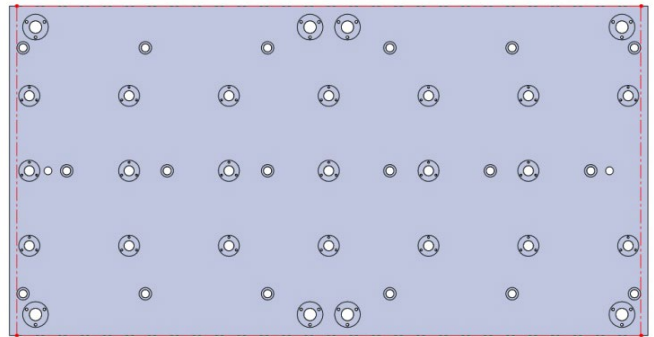
28846 Steel

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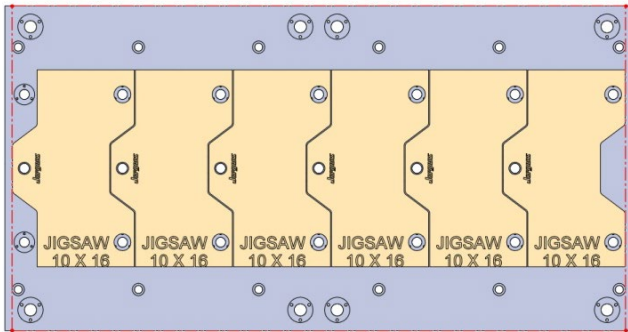
DNM650-007



51.8 X 26.37 X 1.25

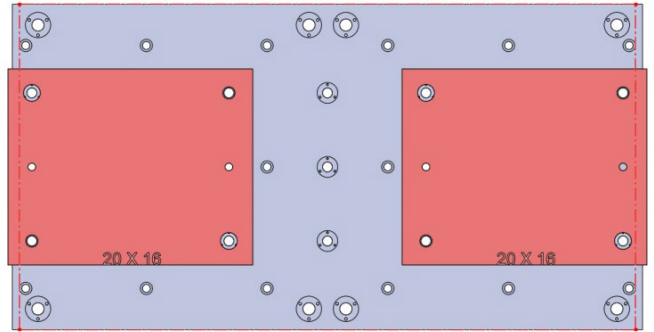


DNM650-007



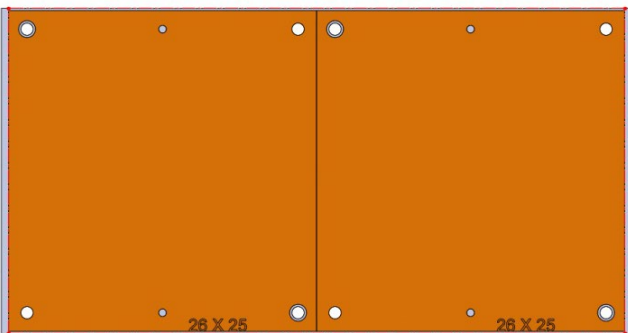
28706 Aluminum

28806 Steel



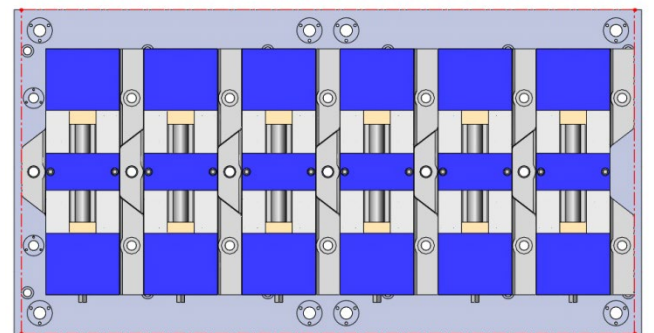
28719 Aluminum

28819 Steel



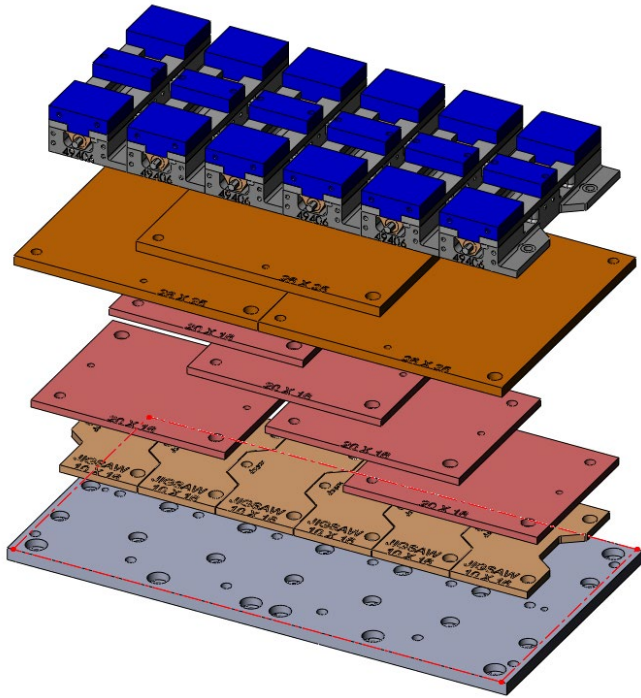
28746 Aluminum

28846 Steel

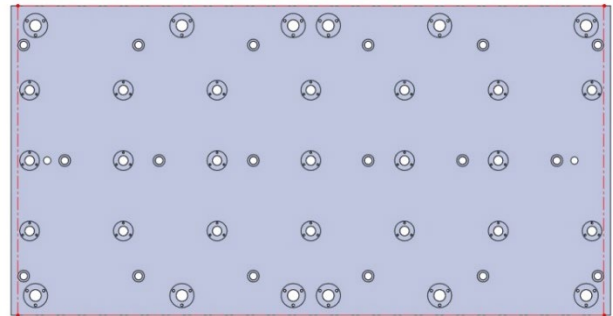


49406 6" Dual Station Production Vise

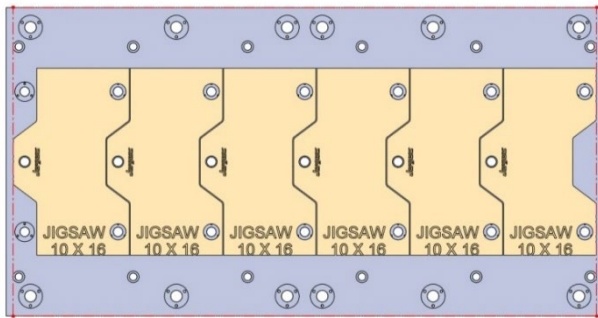
DNM650-008



51.8 X 26.37 X 1.25

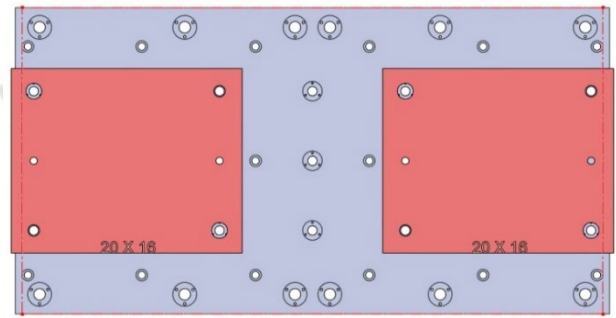


DNM650-008



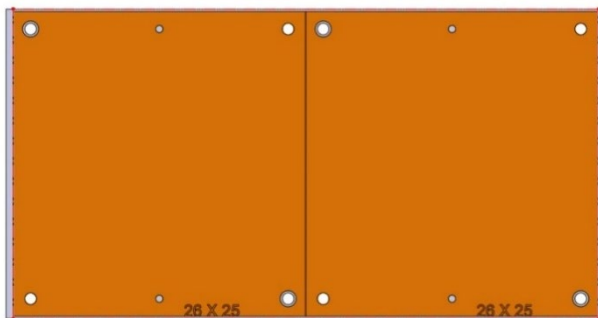
28706 Aluminum

28806 Steel



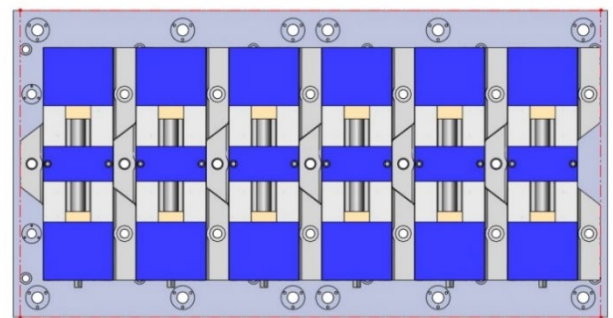
28719 Aluminum

28819 Steel



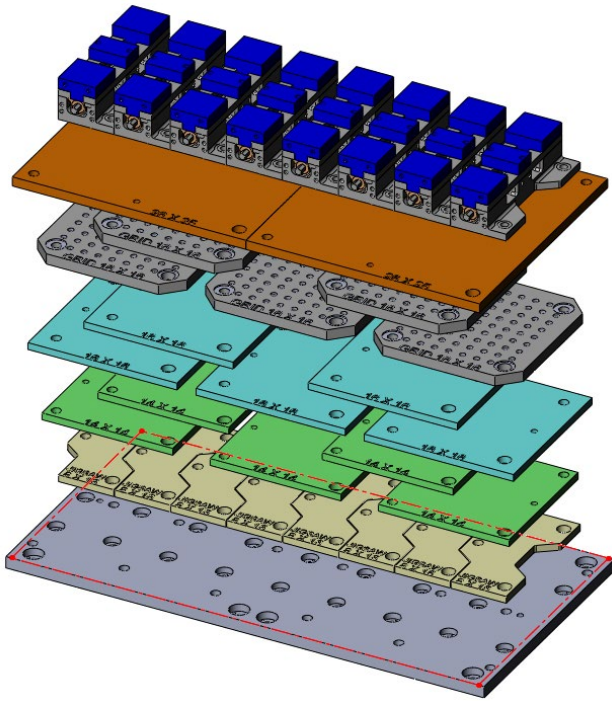
28746 Aluminum

28846 Steel

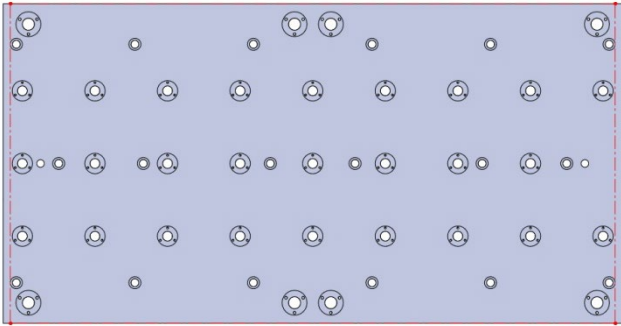


49406 6" Dual Station Production Vise

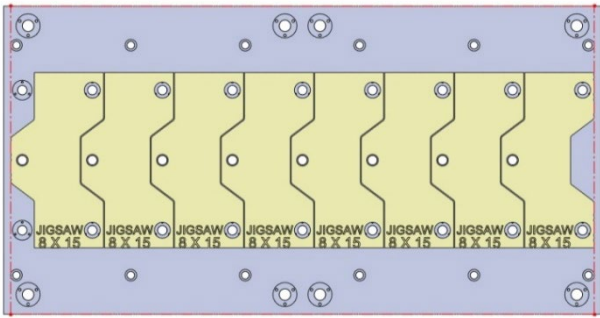
DNM650-009



51.8 X 26.37 X 1.25

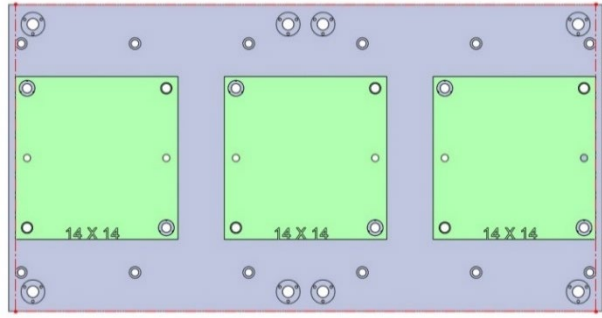


DNM650-009



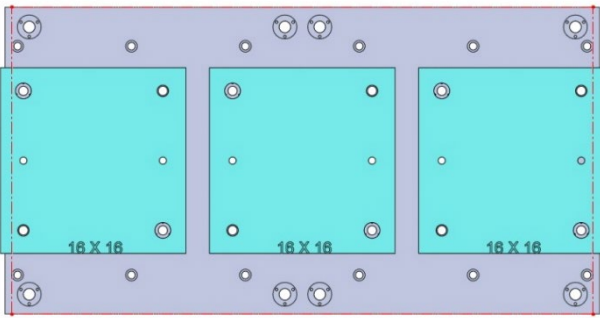
28705 Aluminum

28805 Steel



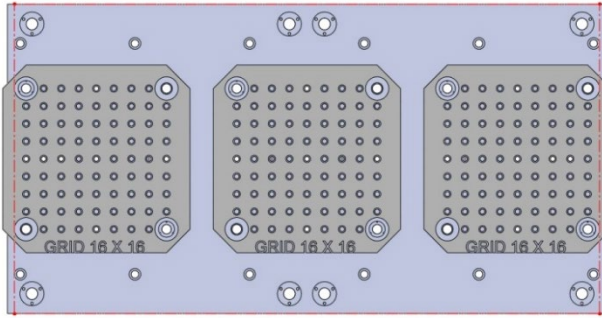
28713 Aluminum

28813 Steel



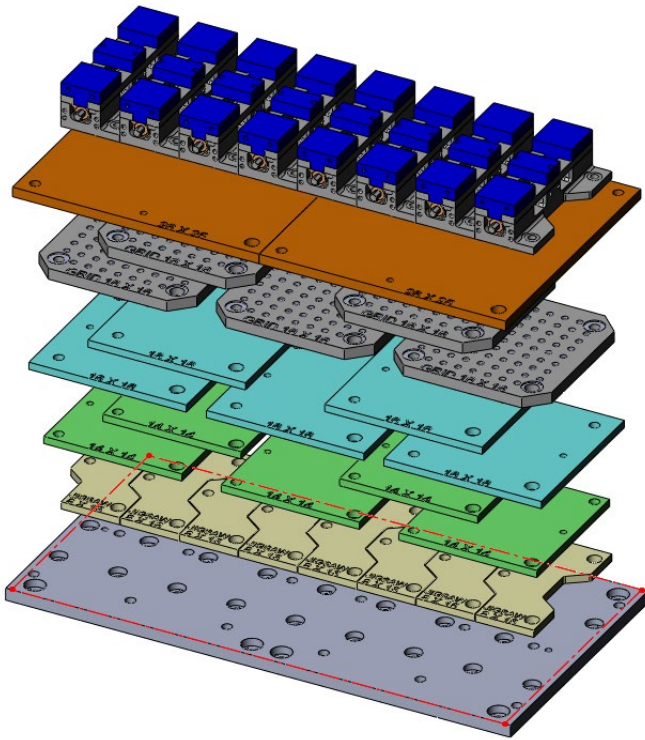
28715 Aluminum

28815 Steel

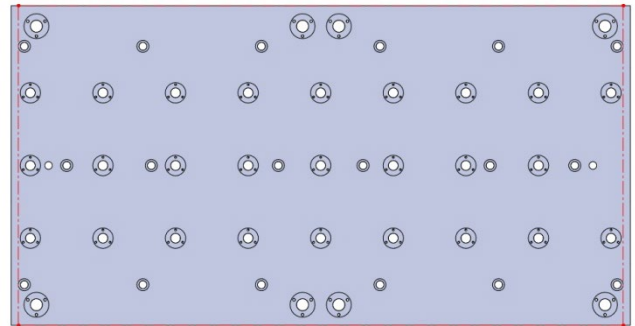


28801 Steel Grid Fixture Plate

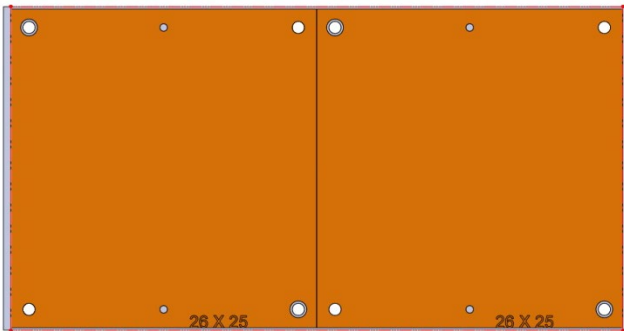
DNM650-009 (CONTINUED)



51.8 X 26.37 X 1.25

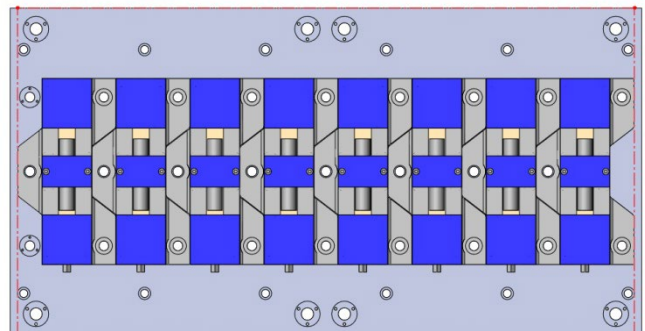


DNM650-009



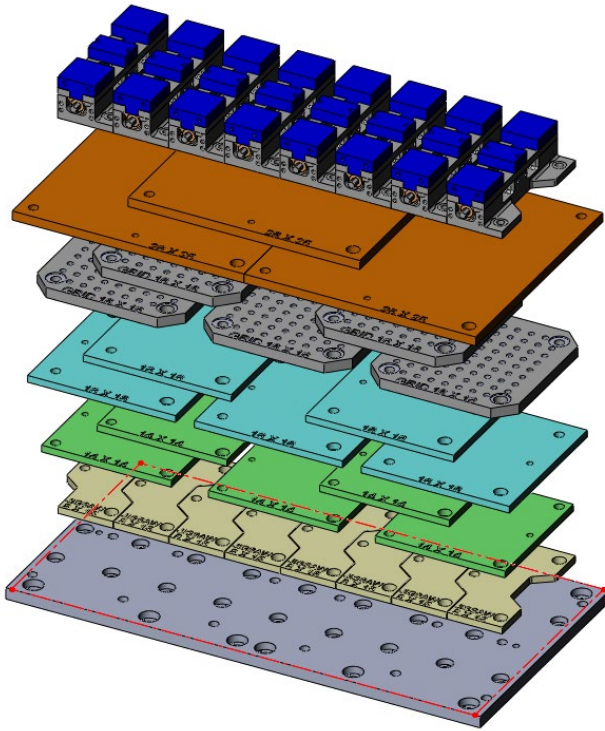
28746 Aluminum

28846 Steel

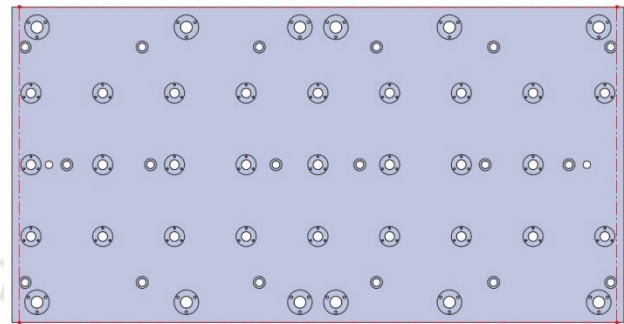


49405 4" Dual Station Production Vise

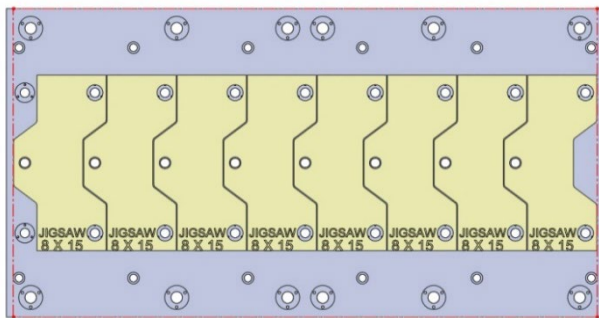
DNM650-010



51.8 X 26.37 X 1.25

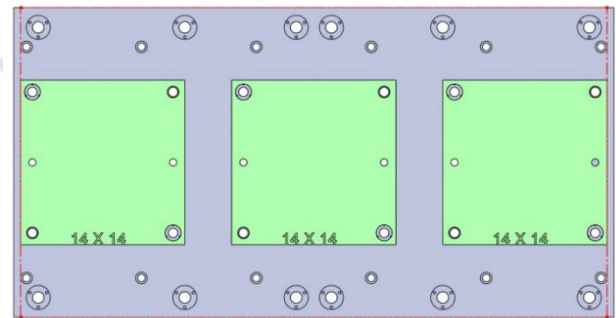


DNM650-010



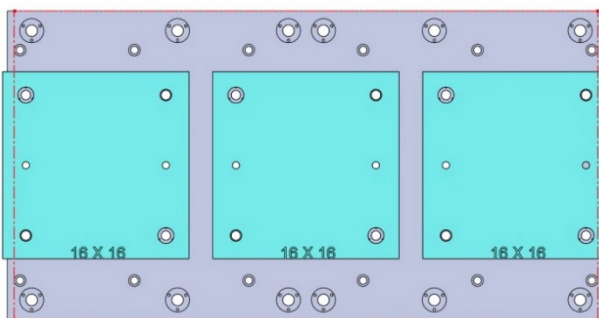
28705 Aluminum

28805 Steel



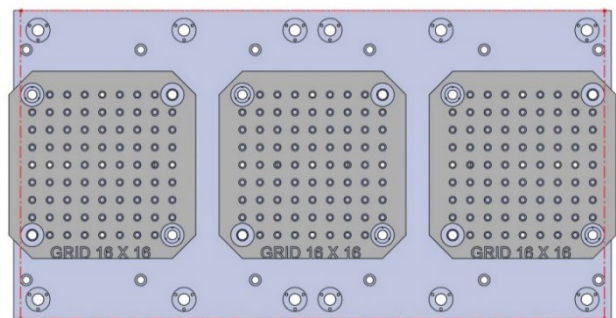
28713 Aluminum

28813 Steel



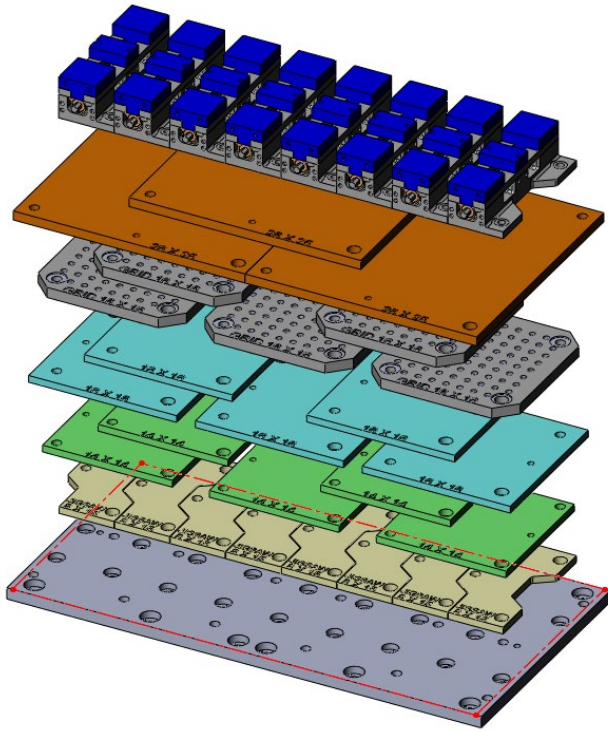
28715 Aluminum

28815 Steel

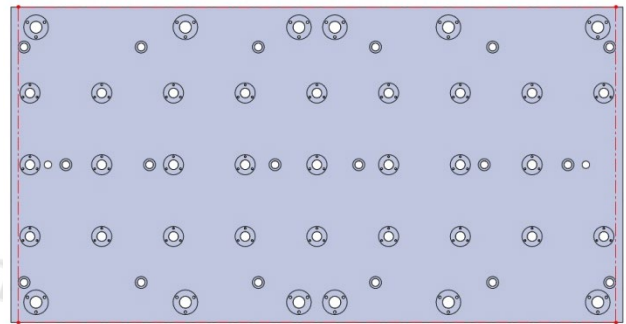


28801 Steel Grid Fixture Plate

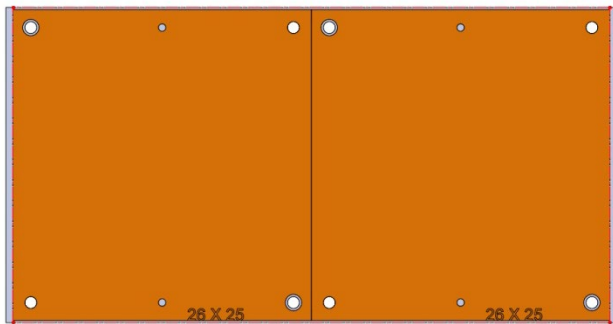
DNM650-010 (CONTINUED)



51.8 X 26.37 X 1.25

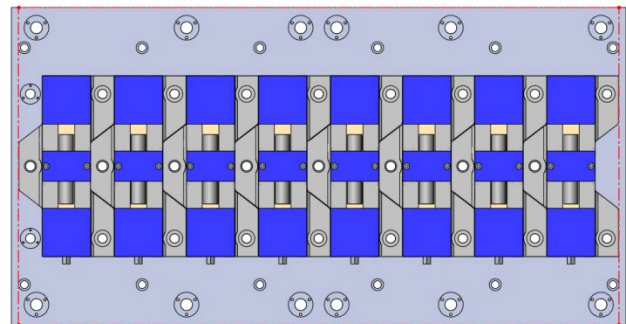


DNM650-010



28746 Aluminum

28846 Steel



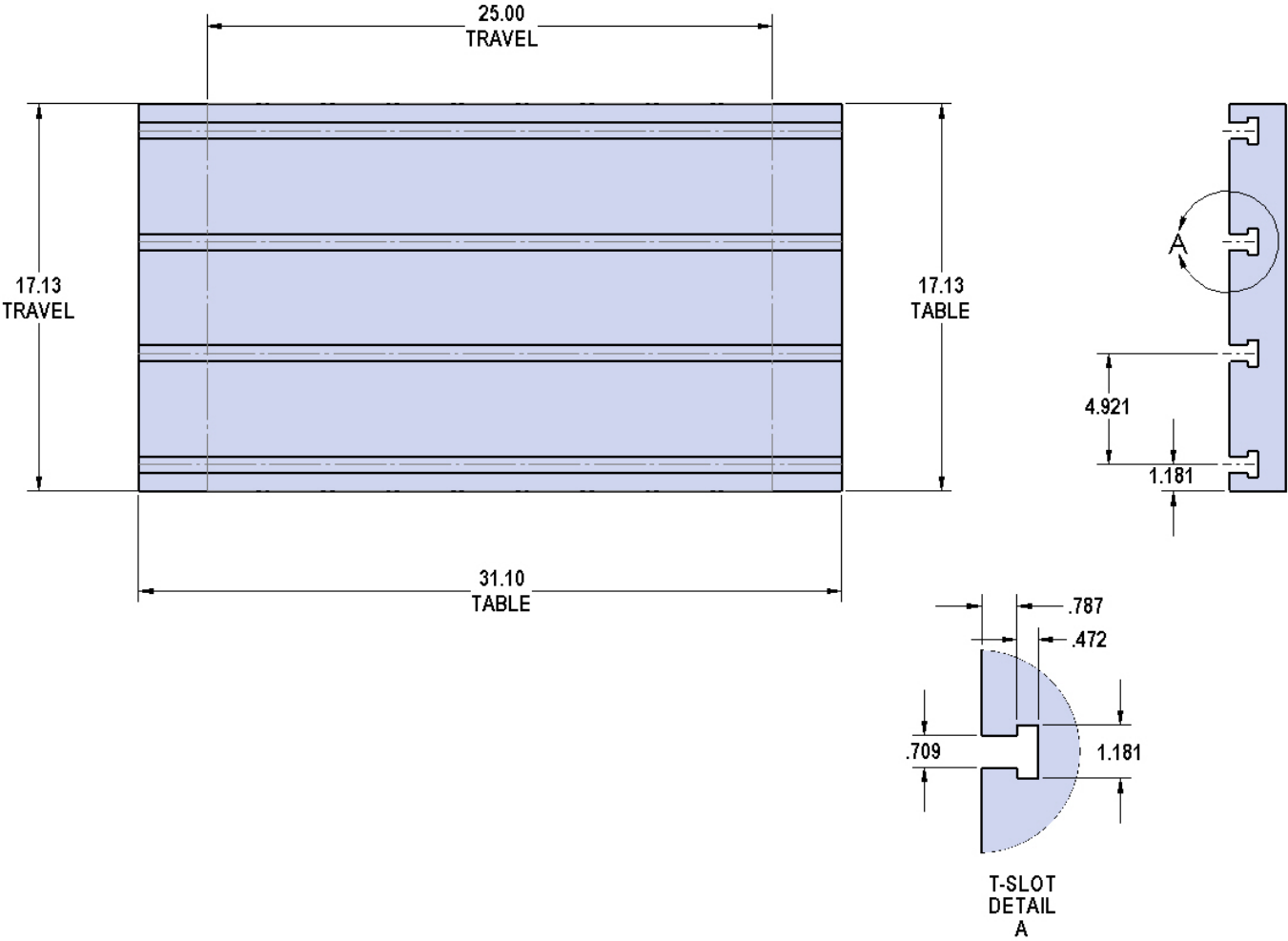
49405 4" Dual Station Production Vise

DNM400a

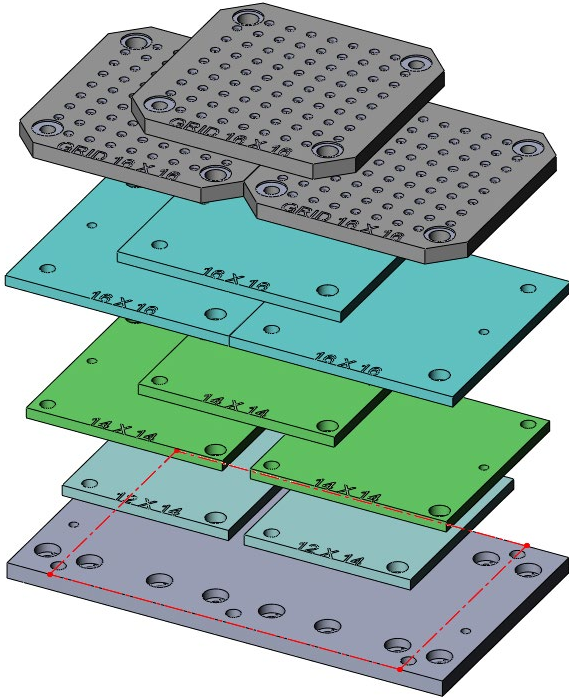


Table Specifications

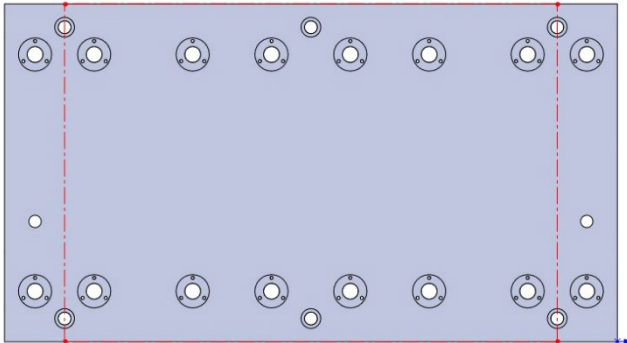
Table Travel (X,Y,Z): 25.0" x 17.13" x 20.1"
 Table Dimensions (L x W): 31.1" x 17.13"
 Maximum Weight on Table: 881.8 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



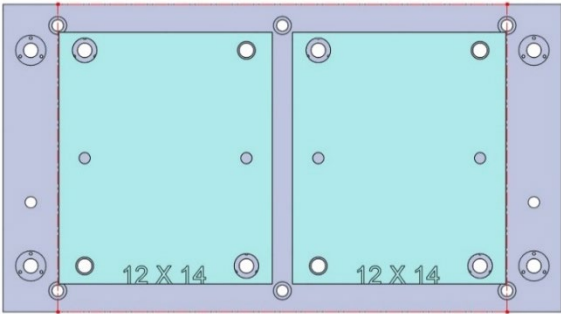
DNM400a-001



31.1 X 17.12 X 1.125

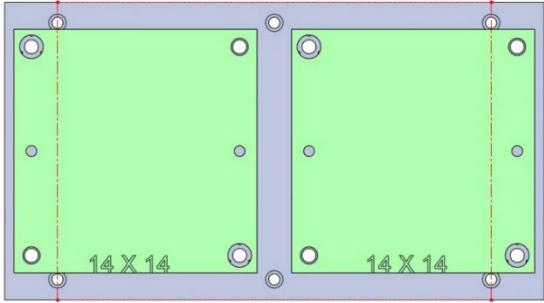


DNM400a-001



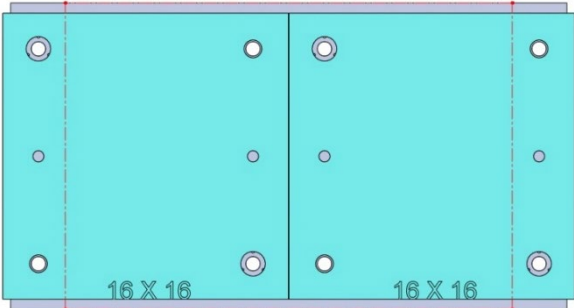
28711 Aluminum

28811 Steel



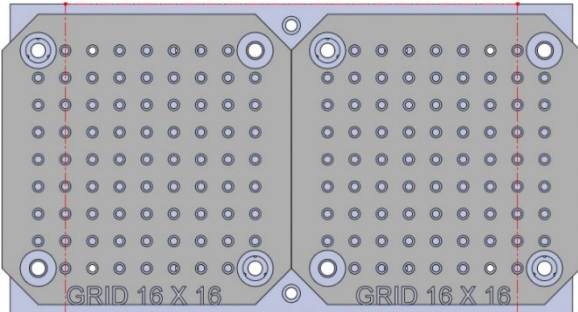
28713 Aluminum

28813 Steel



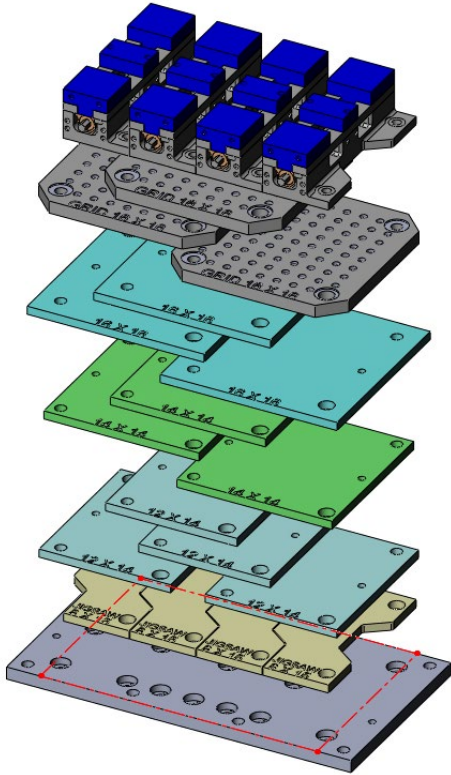
28715 Aluminum

28815 Steel

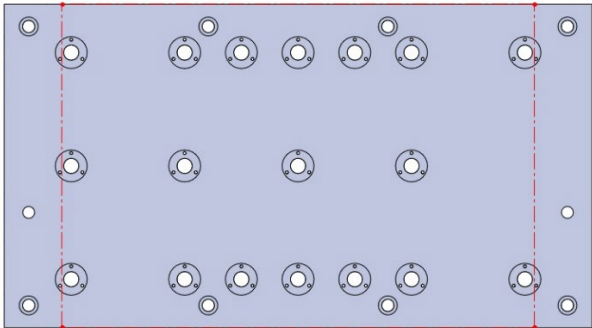


28801 Steel Grid Fixture Plate

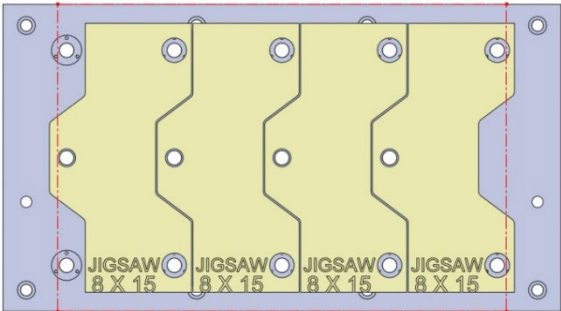
DNM400a-002



31.1 X 17.12 X 1.125

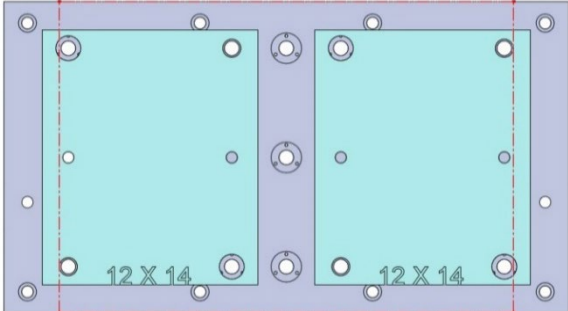


DNM400a-002



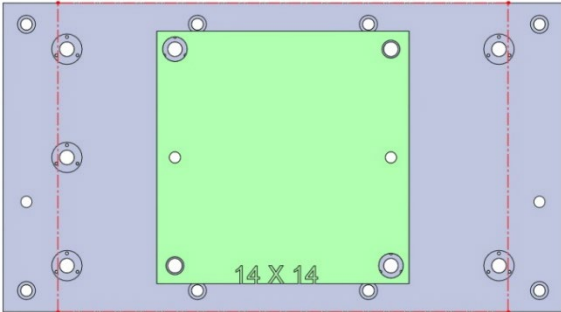
28705 Aluminum

28805 Steel



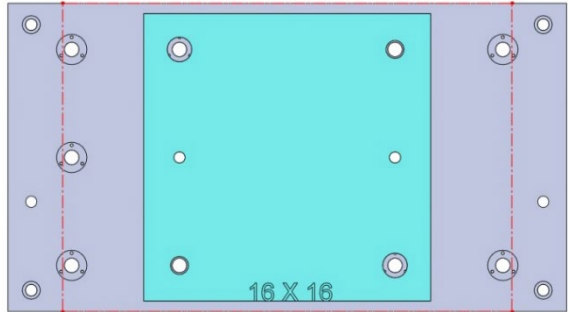
28711 Aluminum

28811 Steel



28713 Aluminum

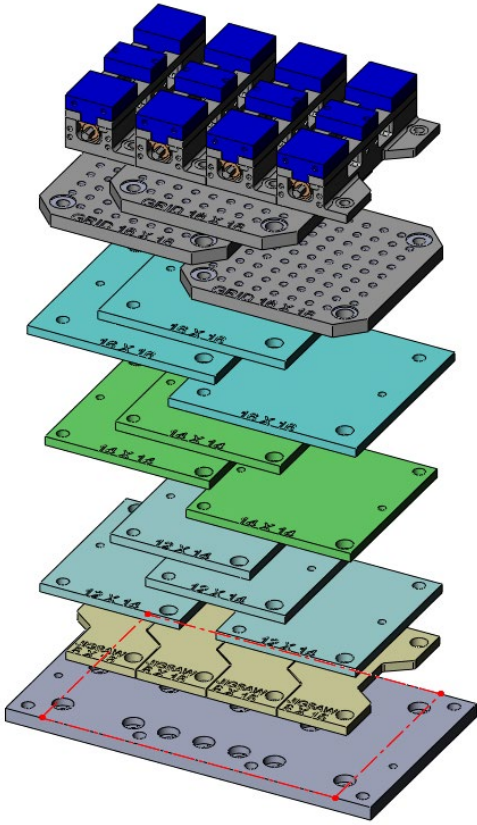
28813 Steel



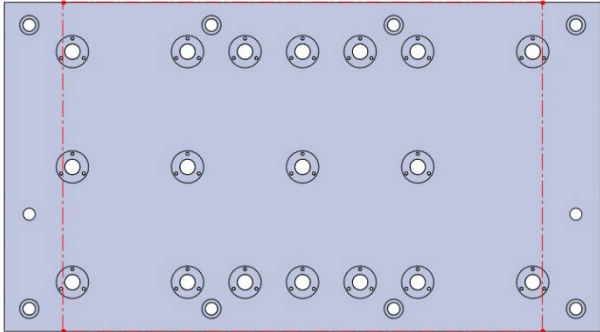
28715 Aluminum

28815 Steel

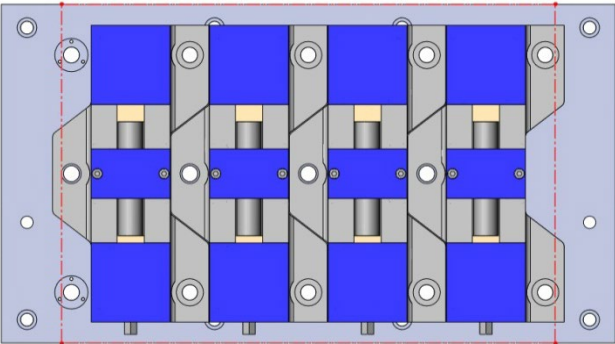
DNM400a-002 (CONTINUED)



31.1 X 17.12 X 1.125

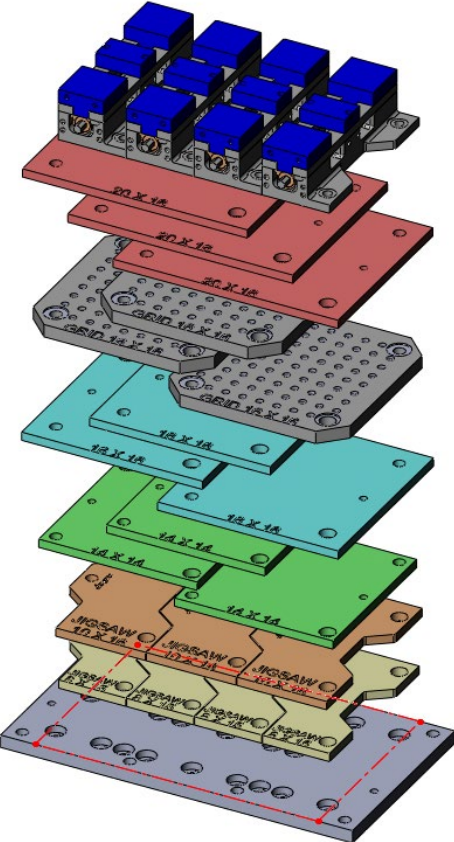


DNM400a-002

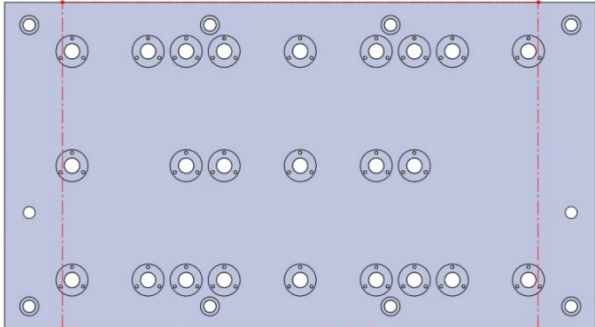


49405 4" Dual Station Production Vise

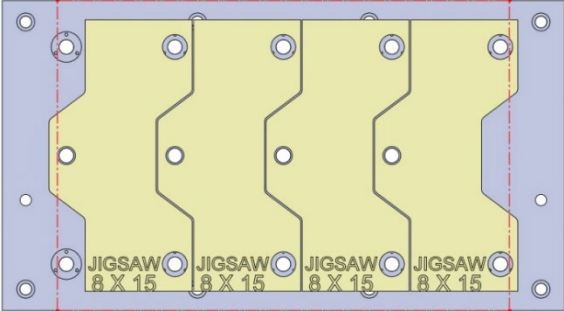
DNM400a-003



31.1 X 17.12 X 1.125

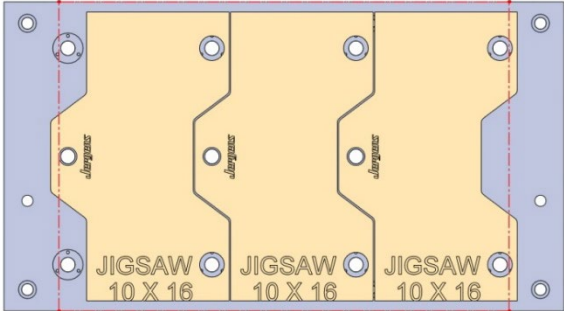


DNM400a-003



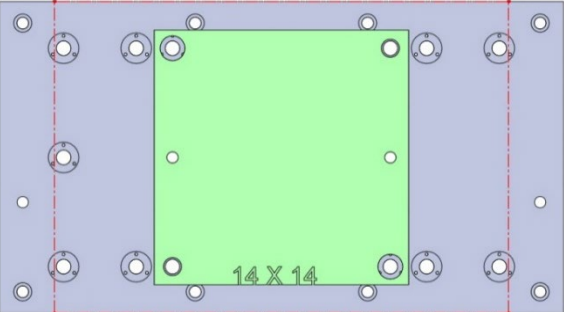
28705 Aluminum

28805 Steel



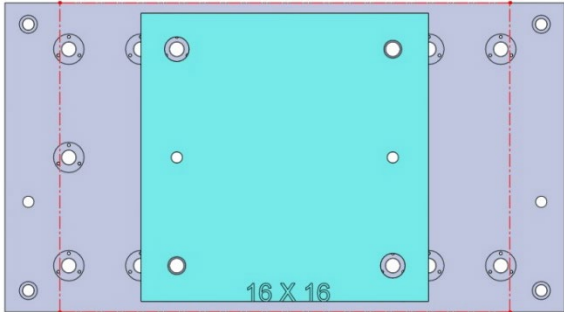
28706 Aluminum

28806 Steel



28713 Aluminum

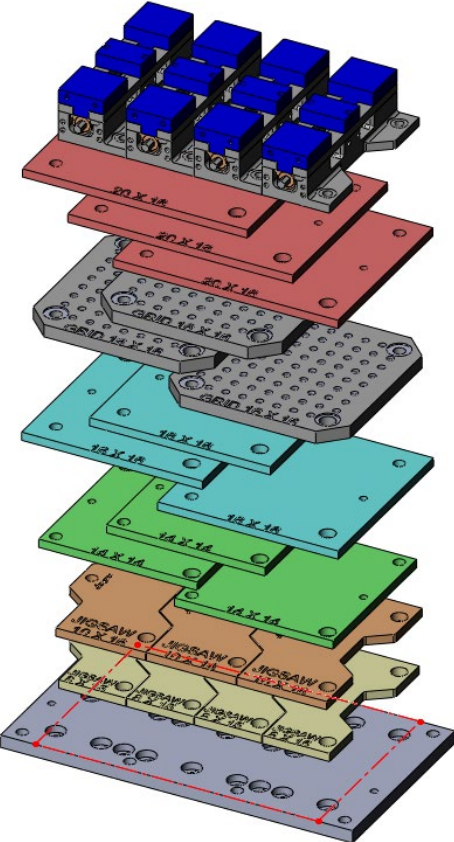
28813 Steel



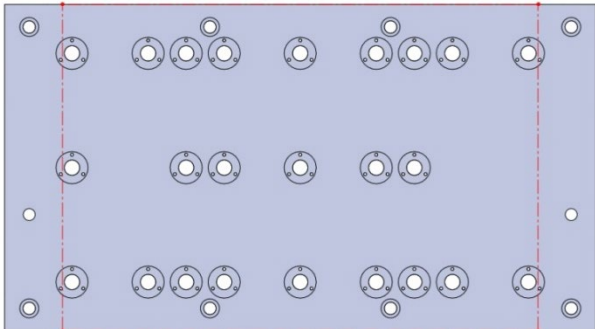
28715 Aluminum

28815 Steel

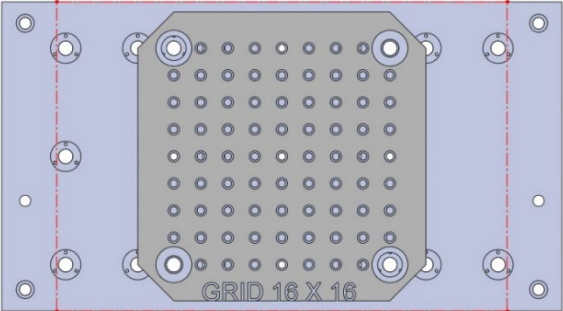
DNM400a-003 (CONTINUED)



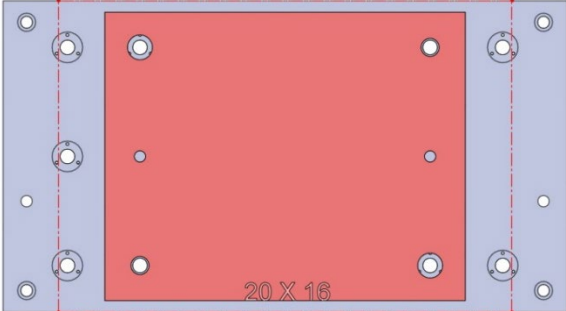
31.1 X 17.12 X 1.125



DNM400a-003

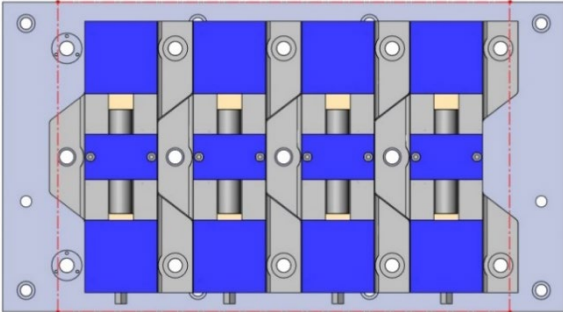


28801 Steel Grid Fixture Plate



28719 Aluminum

28819 Steel



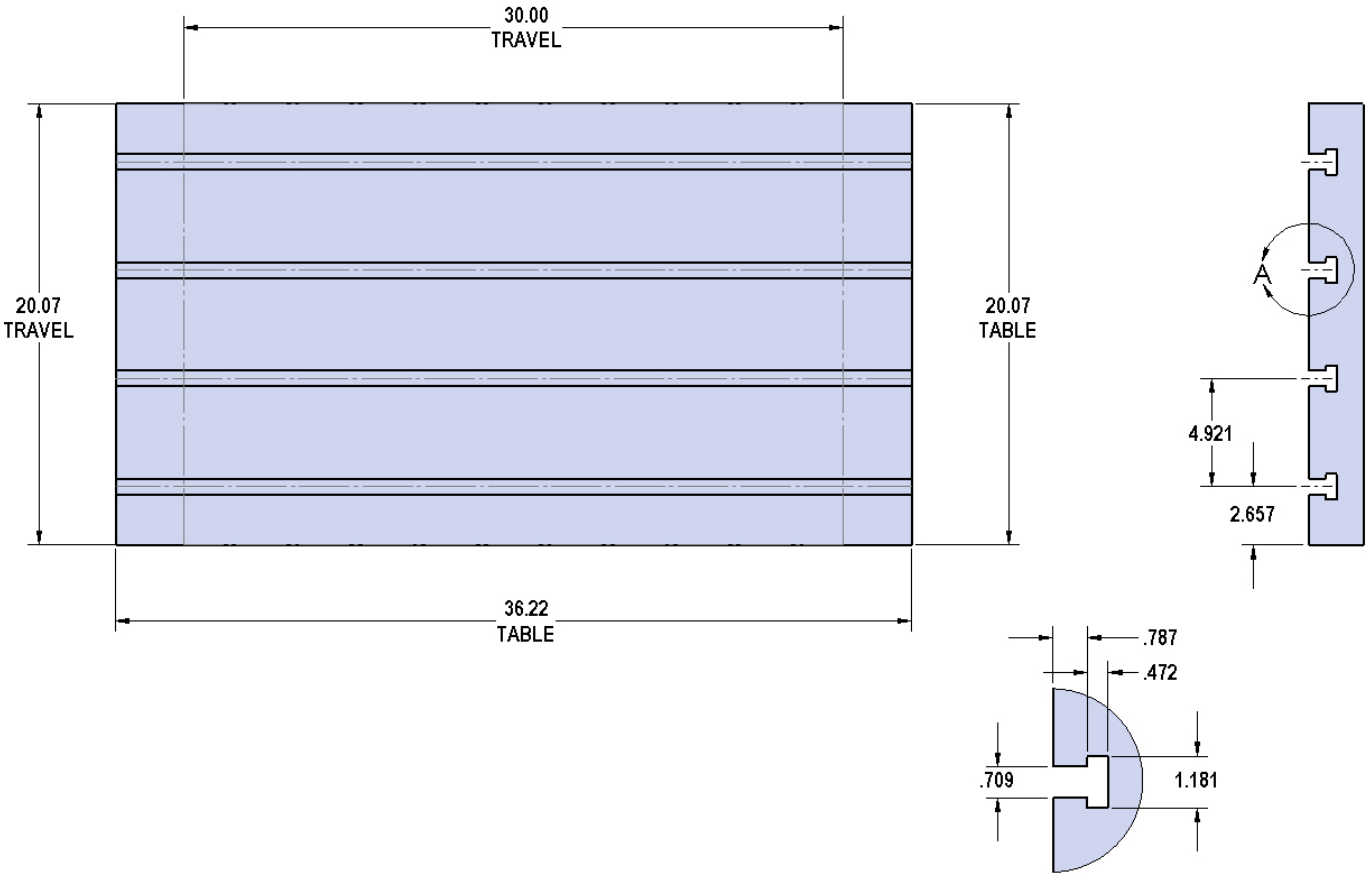
49405 4" Dual Station Production Vise

DNM500a

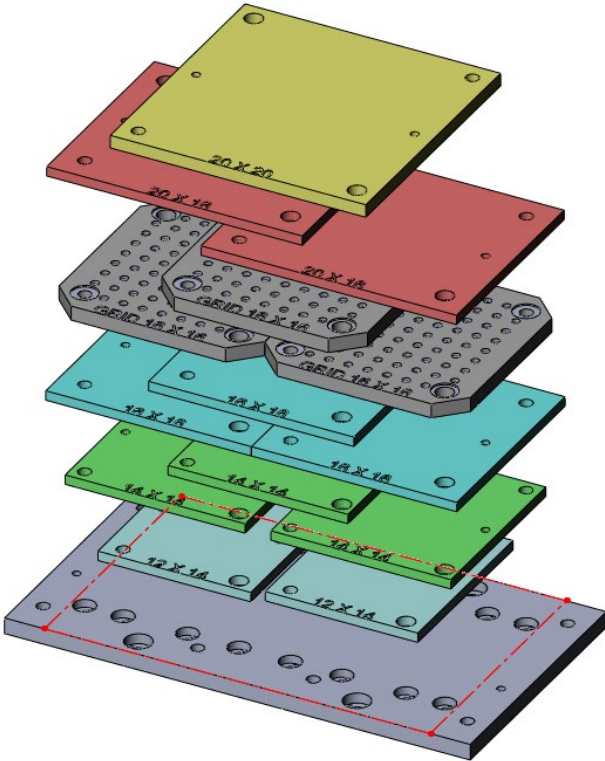


Table Specifications

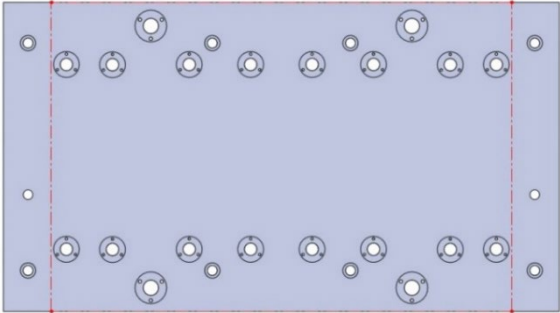
Table Travel (X,Y,Z): 30.0" x 20.07" x 20.1"
 Table Dimensions (L x W): 36.22" x 20.07"
 Maximum Weight on Table: 1102.3 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



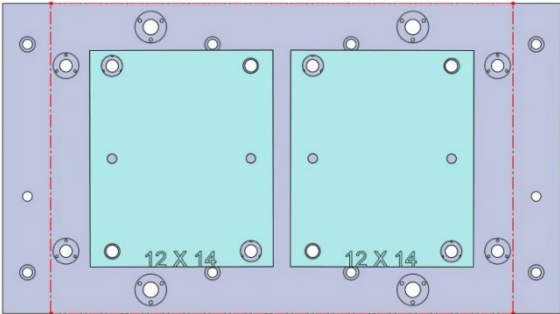
DNM500a-001



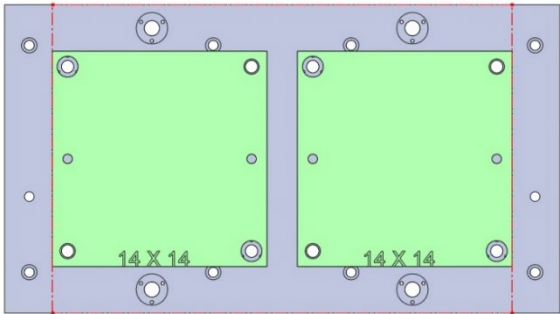
36.22 X 20.07 X 1.25



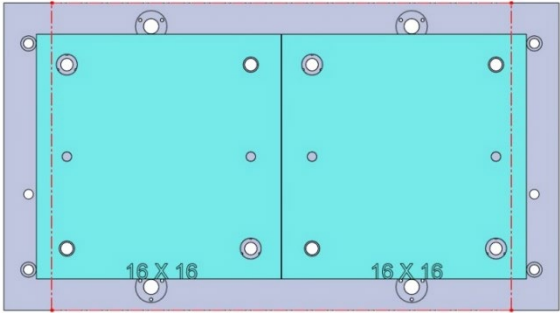
DNM500a-001



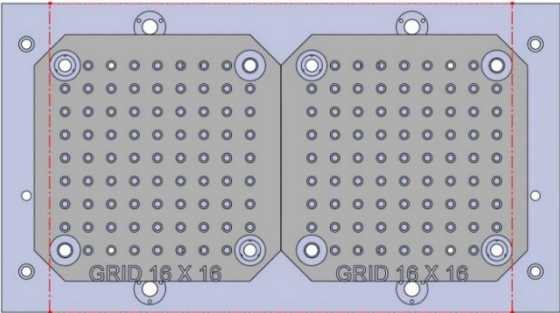
28711 Aluminum 28811 Steel



28713 Aluminum 28813 Steel

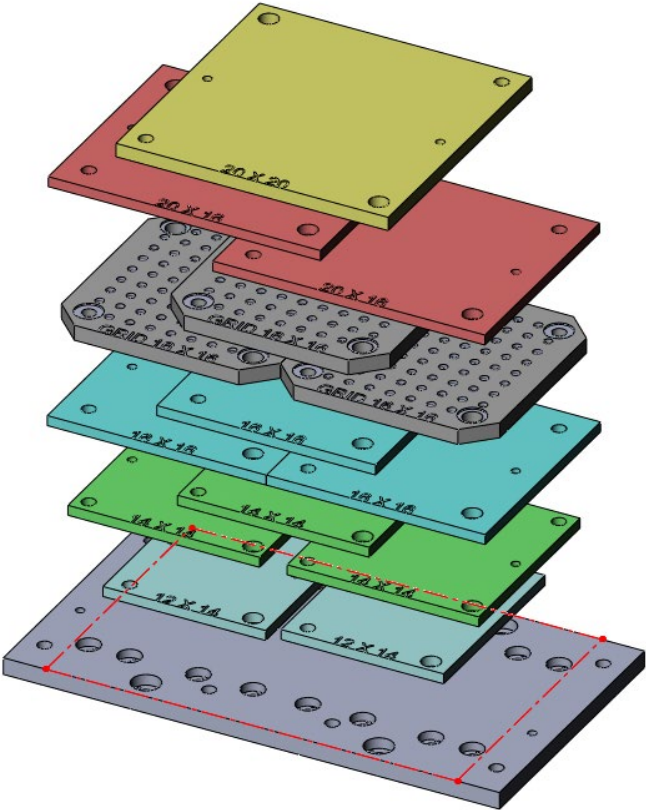


28715 Aluminum 28815 Steel

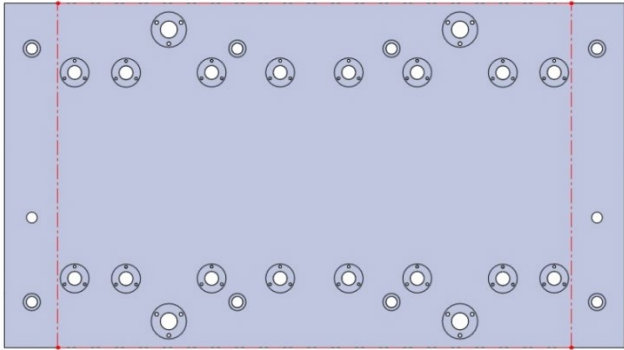


28801 Steel Grid Fixture Plate

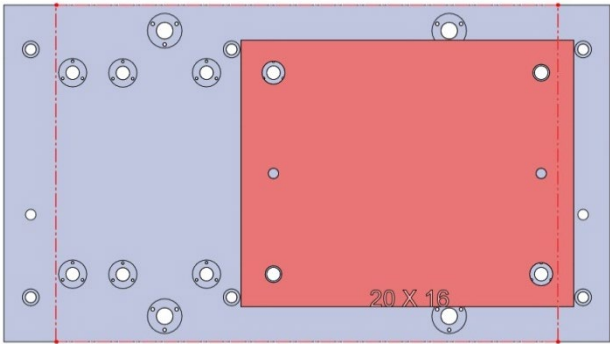
DNM500a-001 (CONTINUED)



36.22 X 20.07 X 1.25

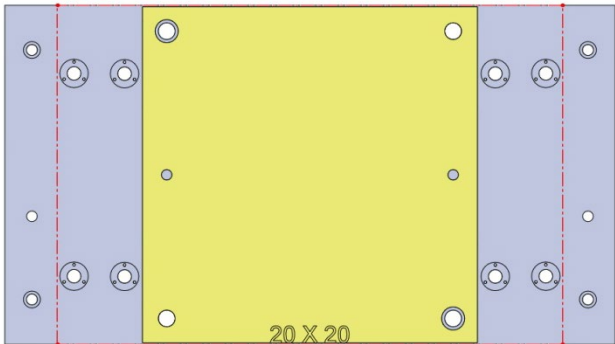


DNM500a-001



28719 Aluminum

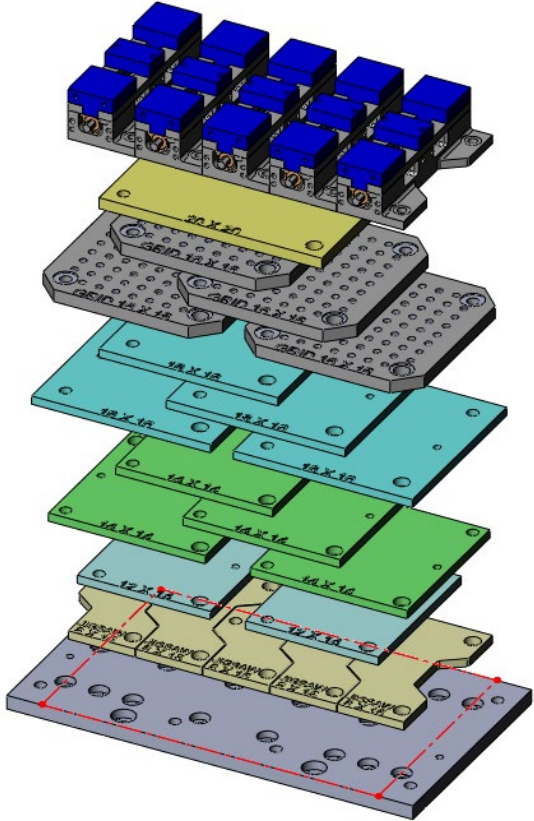
28819 Steel



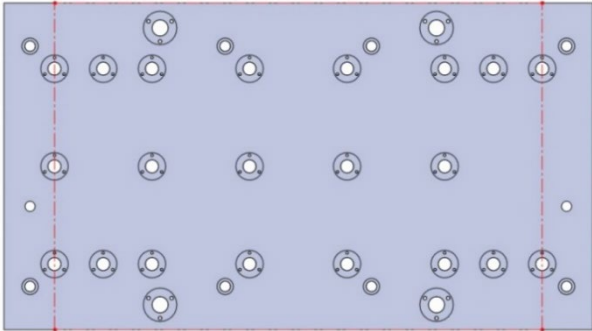
28727 Aluminum

28827 Steel

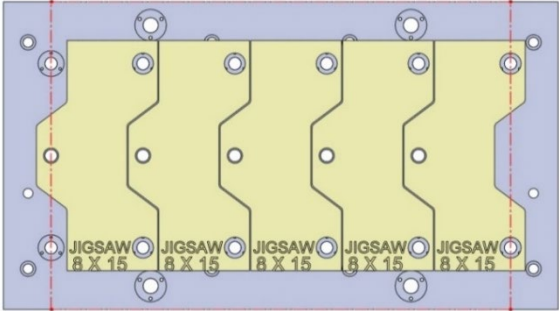
DNM500a-002



36.22 X 20.07 X 1.25

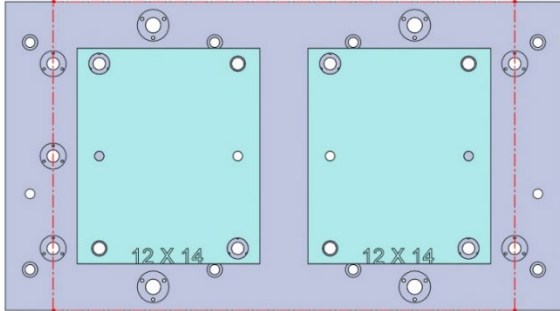


DNM500a-002



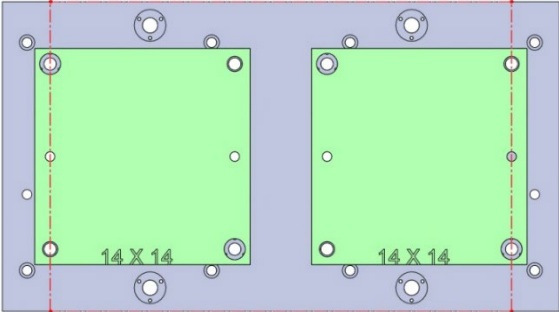
28705 Aluminum

28805 Steel



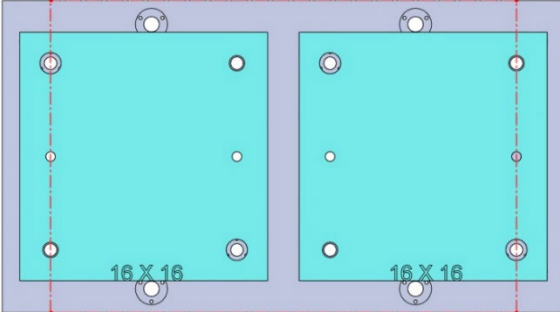
28711 Aluminum

28811 Steel



28713 Aluminum

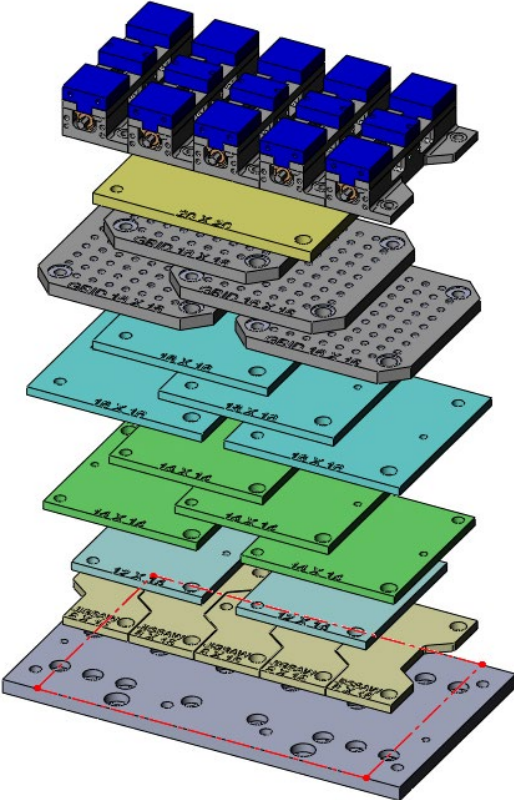
28813 Steel



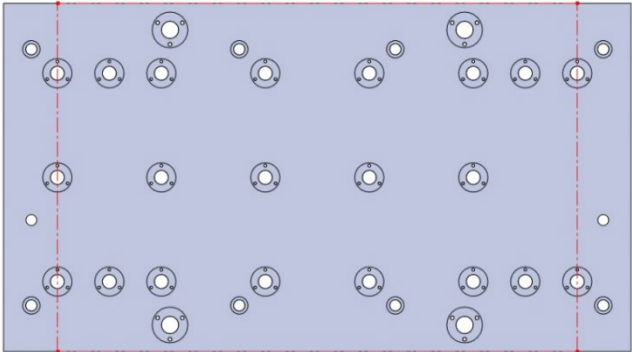
28715 Aluminum

28815 Steel

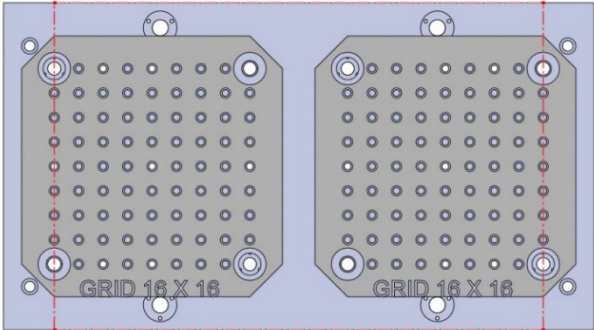
DNM500a-002 (CONTINUED)



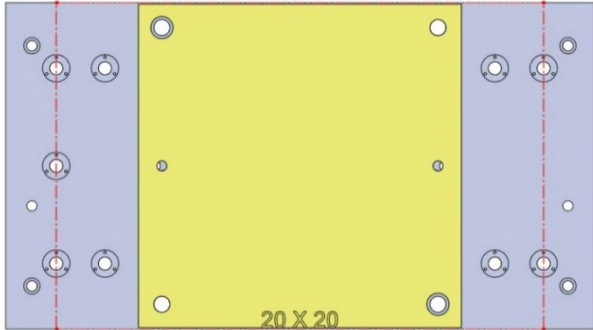
36.22 X 20.07 X 1.25



DNM500a-002

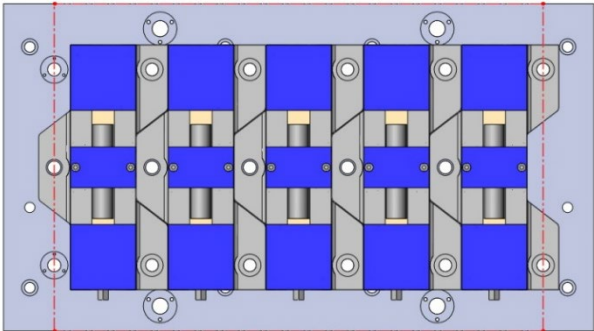


28801 Steel Grid Fixture Plate



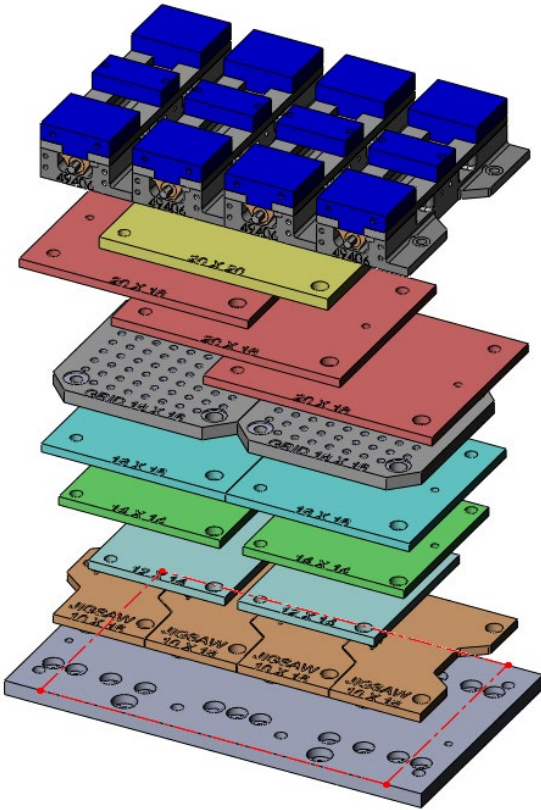
28727 Aluminum

28827 Steel

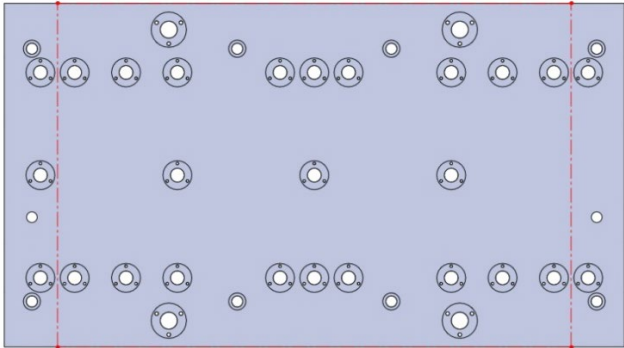


49405 4" Dual Station Production Vise

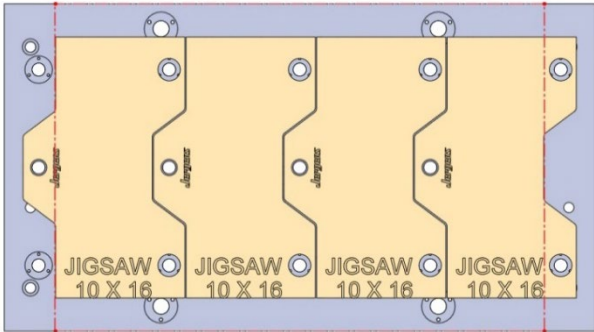
DNM500a-003



36.22 X 20.07 X 1.25

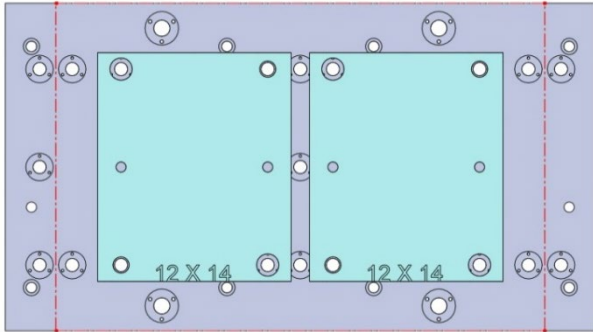


DNM500a-003



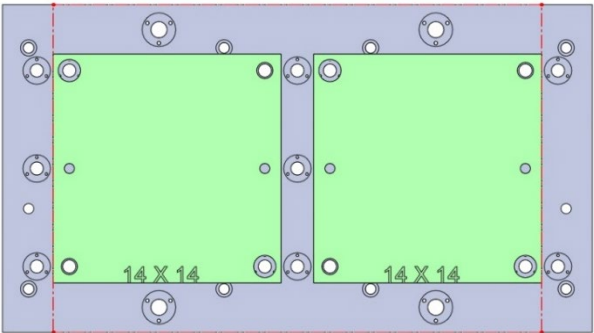
28706 Aluminum

28806 Steel



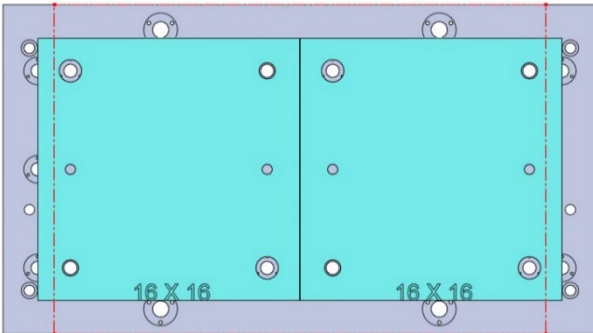
28711 Aluminum

28811 Steel



28713 Aluminum

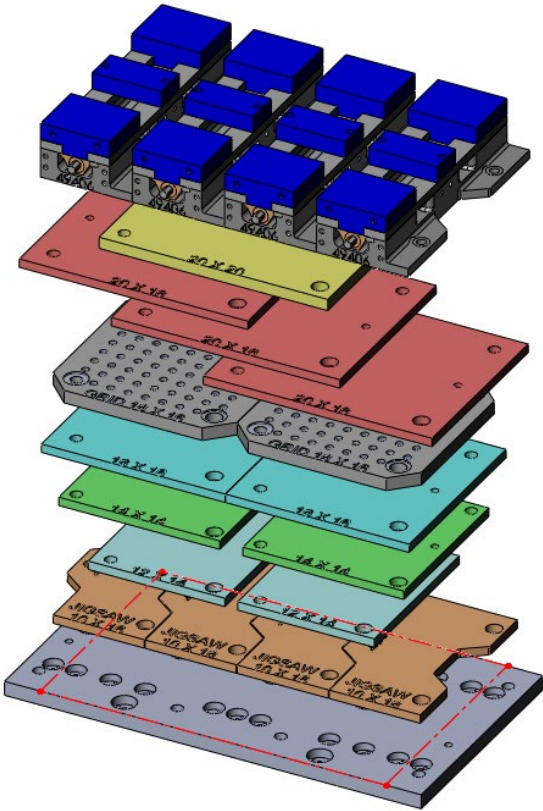
28813 Steel



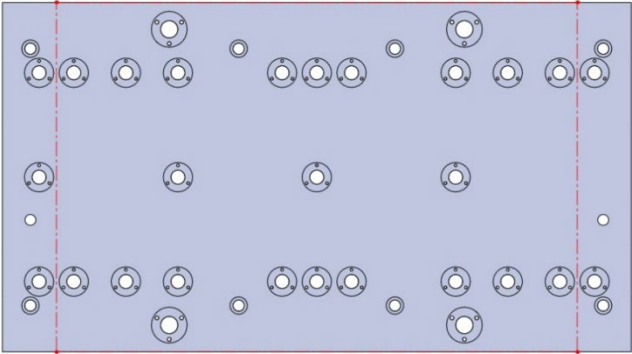
28715 Aluminum

28815 Steel

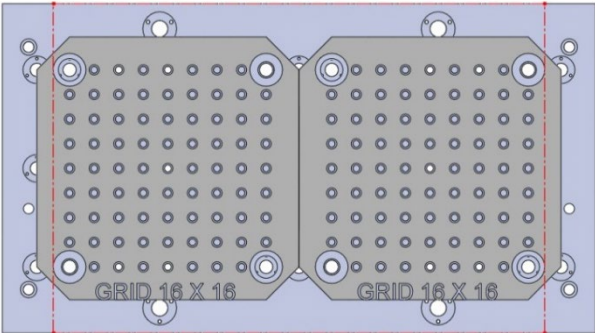
DNM500a-003 (CONTINUED)



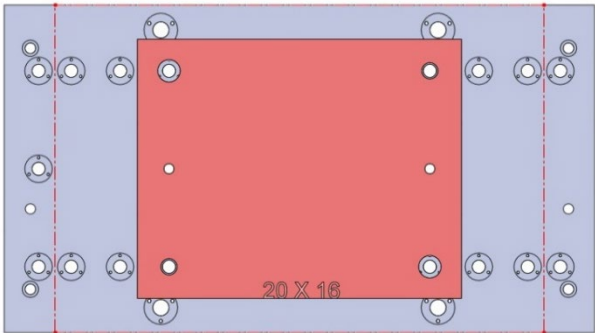
36.22 X 20.07 X 1.25



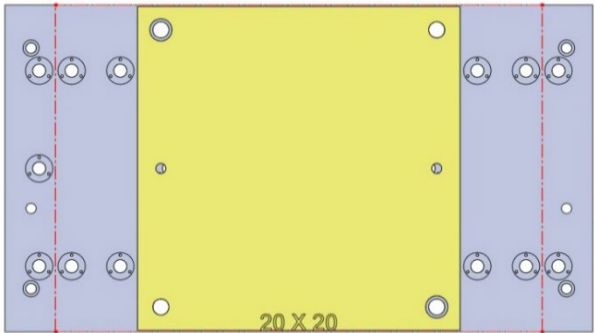
DNM500a-003



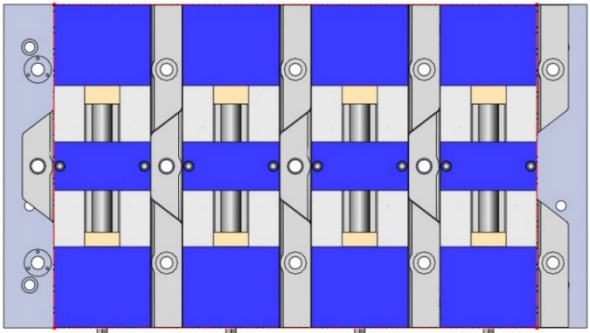
28801 Steel Grid Fixture Plate



28719 Aluminum 28819 Steel

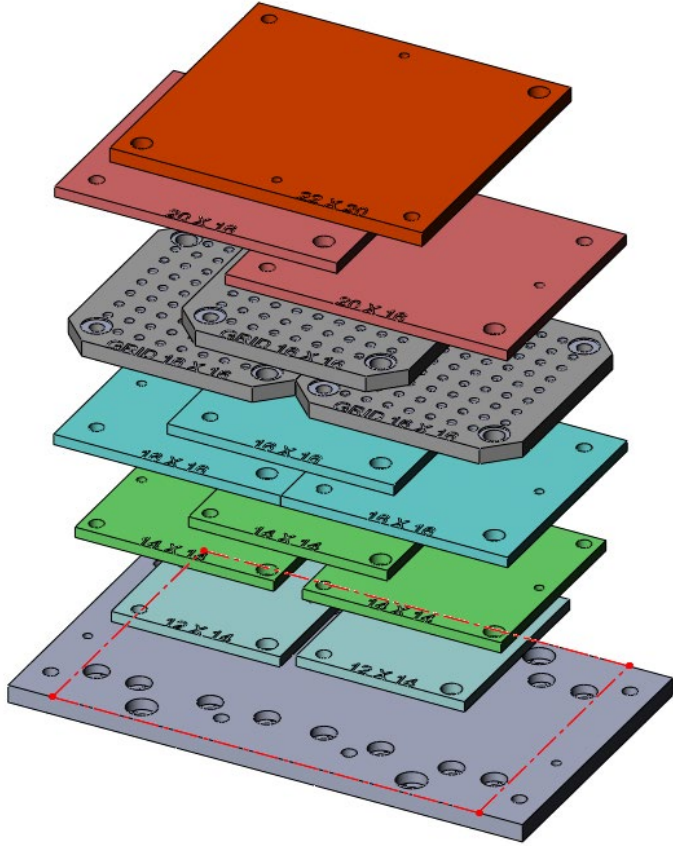


28727 Aluminum 28827 Steel

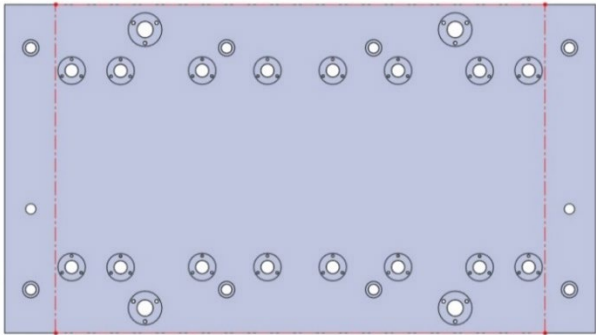


49406 6" Dual Station Production Vise

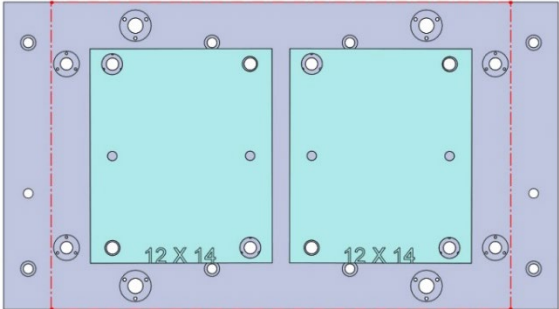
DNM500a-004



36.22 X 20.07 X 1.25

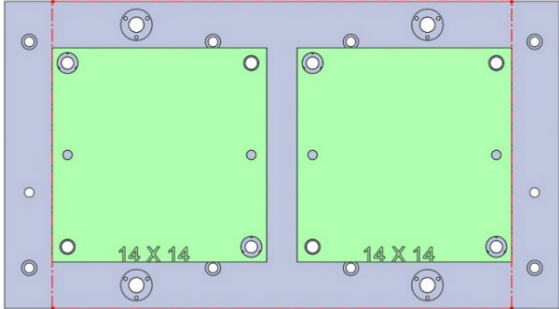


DNM500a-004



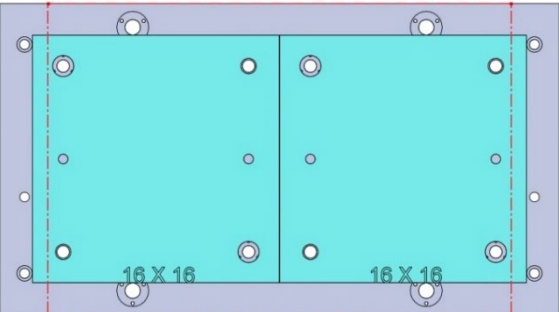
28711 Aluminum

28811 Steel



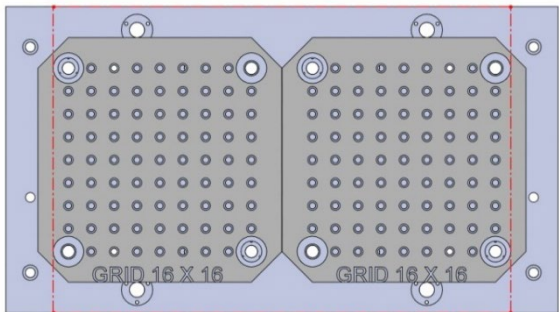
28713 Aluminum

28813 Steel



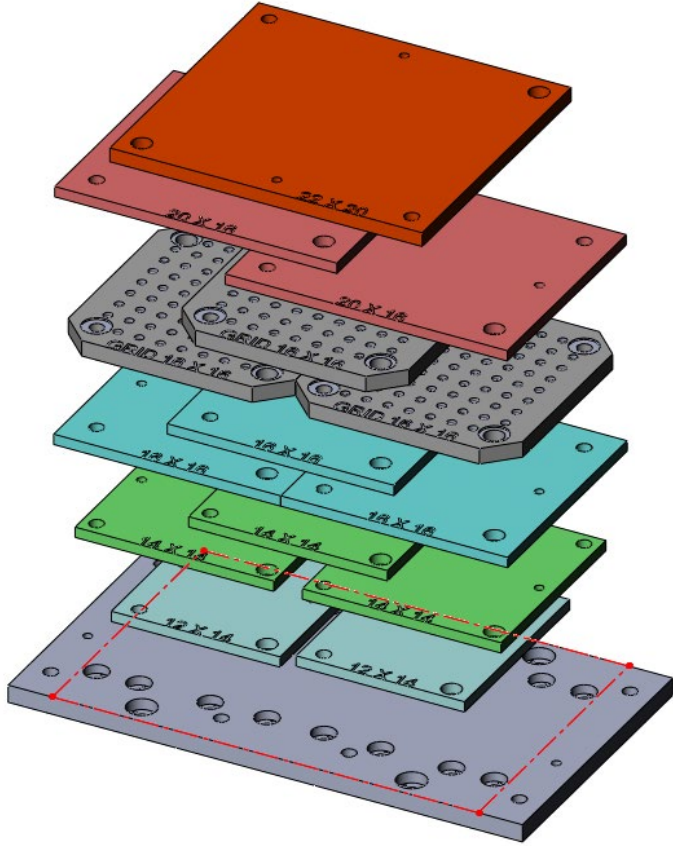
28715 Aluminum

28815 Steel

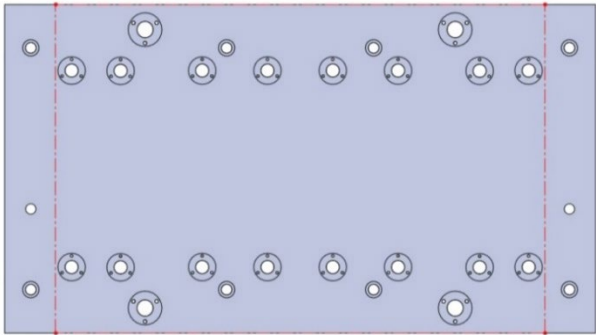


28801 Steel Grid Fixture Plate

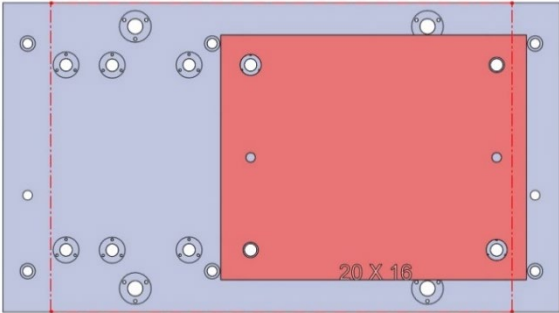
DNM500a-004 (CONTINUED)



36.22 X 20.07 X 1.25

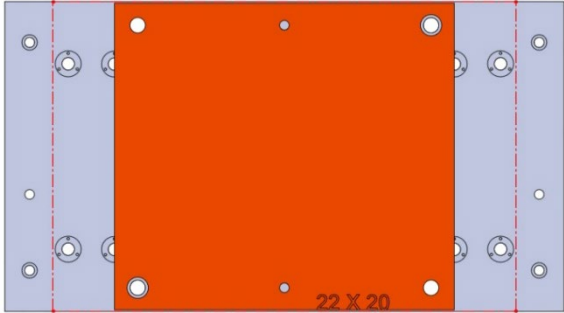


DNM500a-004



28719 Aluminum

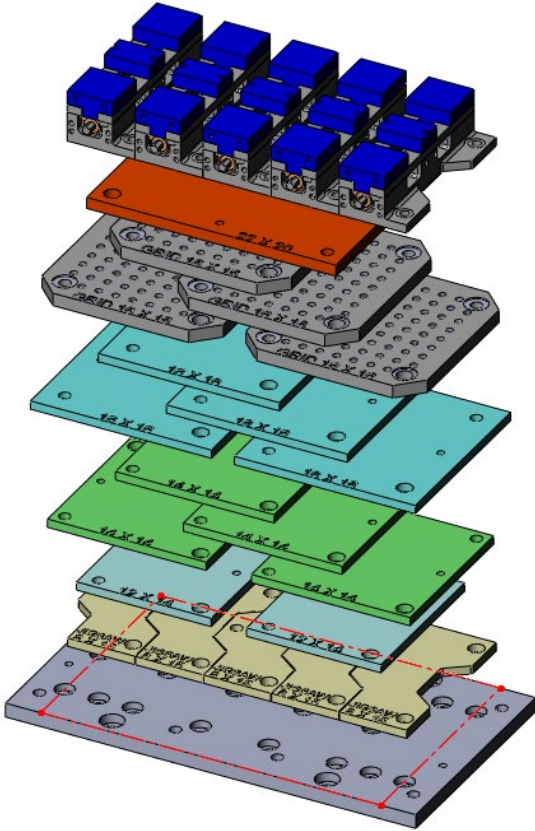
28819 Steel



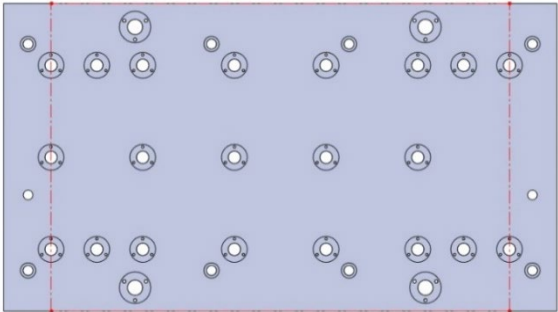
28745 Aluminum

28845 Steel

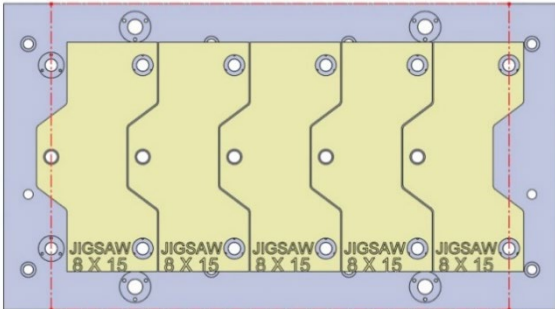
DNM500a-005



36.22 X 20.07 X 1.25

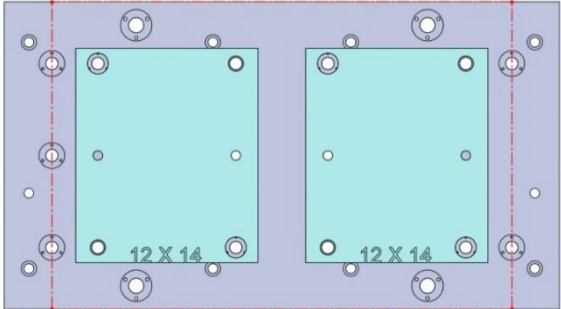


DNM500a-005



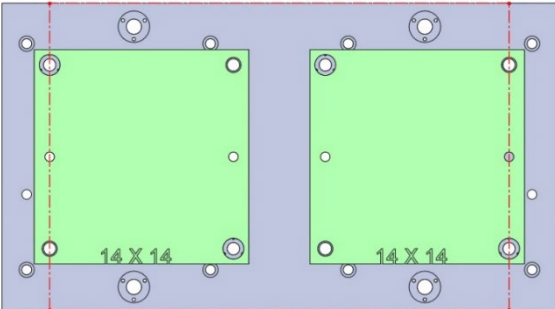
28705 Aluminum

28805 Steel



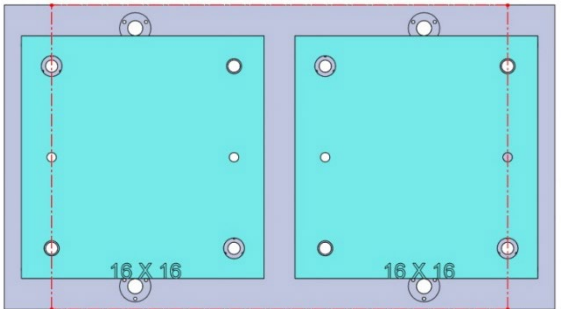
28711 Aluminum

28811 Steel



28713 Aluminum

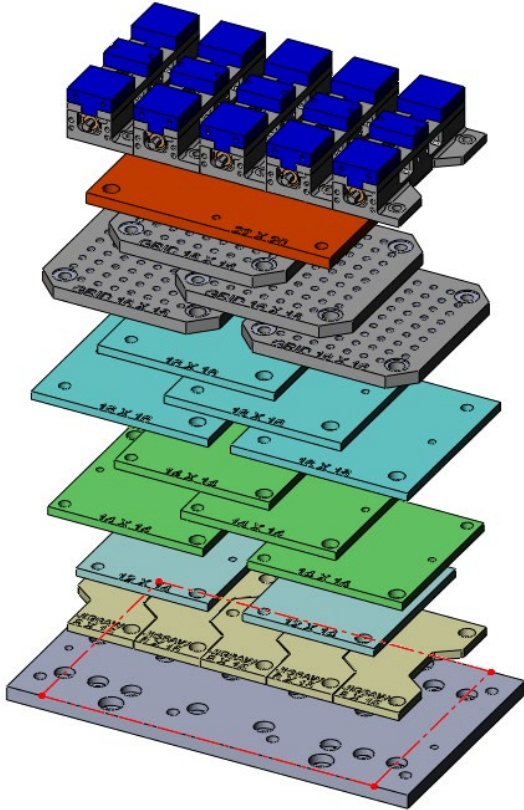
28813 Steel



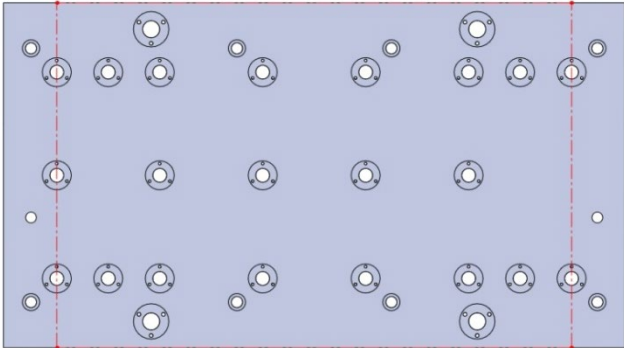
28715 Aluminum

28815 Steel

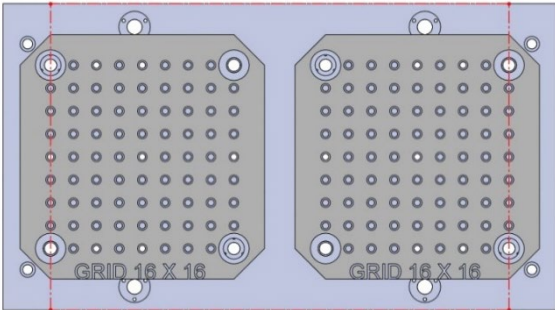
DNM500a-005 (CONTINUED)



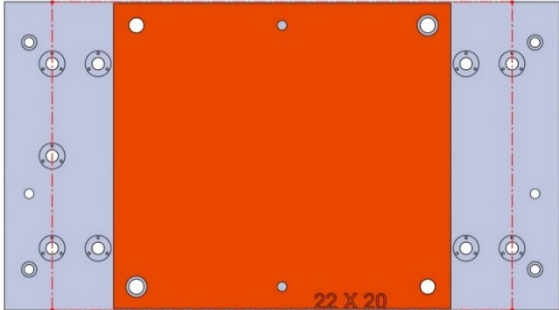
36.22 X 20.07 X 1.25



DNM500a-005

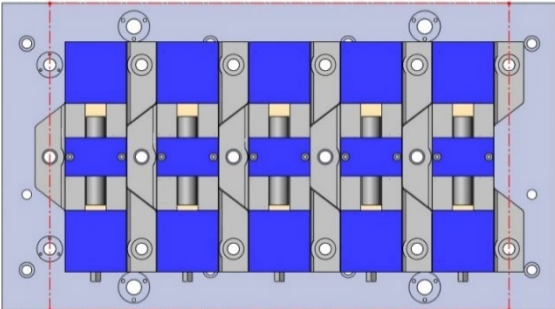


28801 Steel Grid Fixture Plate



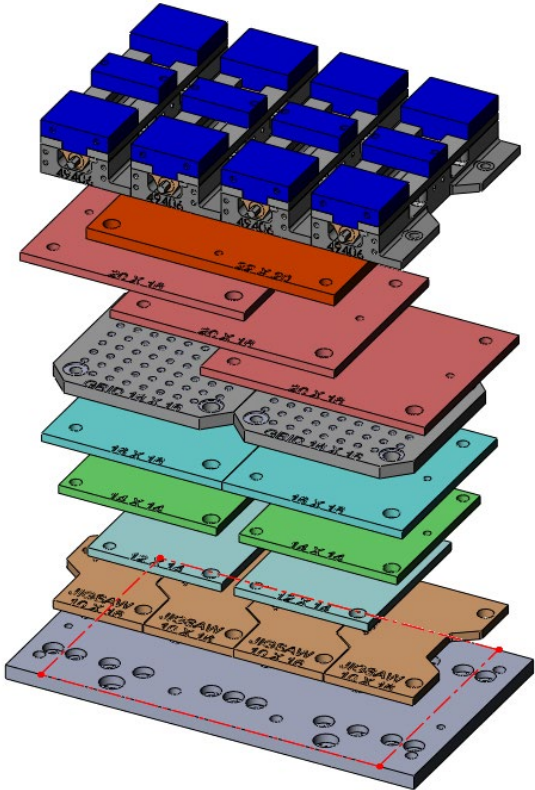
28745 Aluminum

28845 Steel

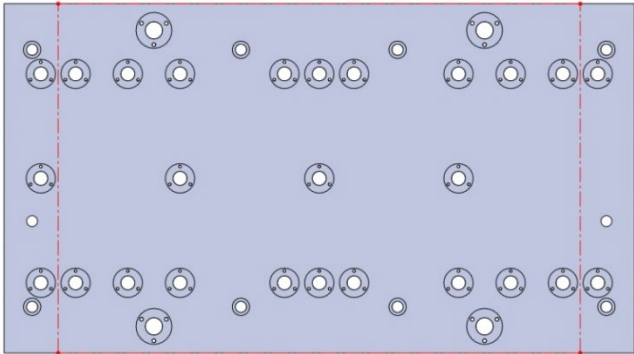


49405 4" Dual Station Production Vise

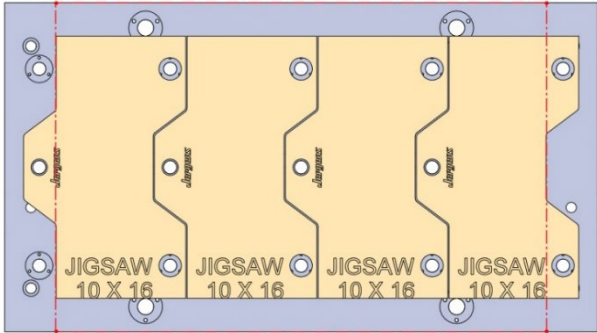
DNM500a-006



36.22 X 20.07 X 1.25

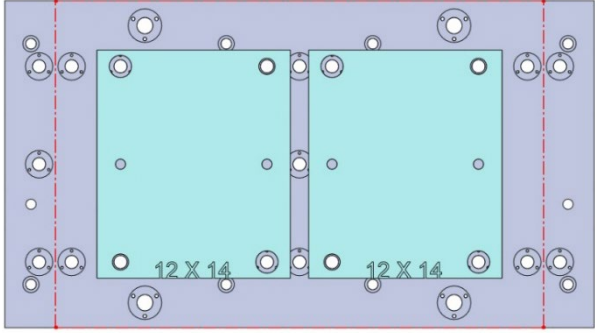


DNM500a-006



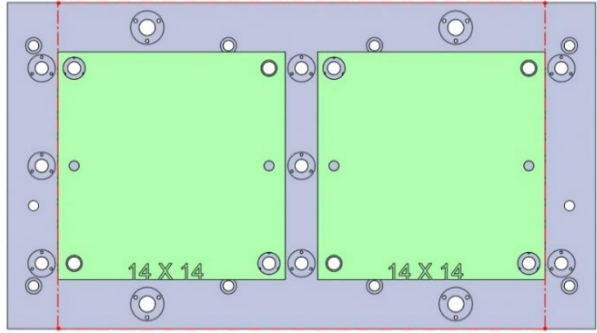
28706 Aluminum

28806 Steel



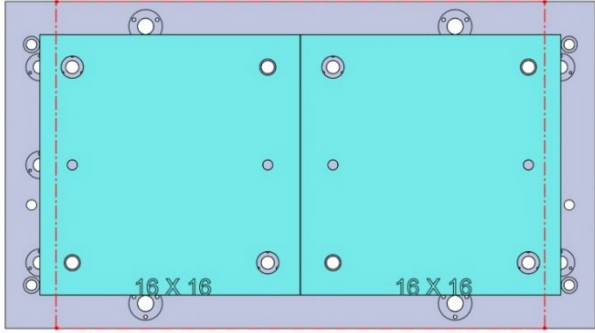
28711 Aluminum

28811 Steel



28713 Aluminum

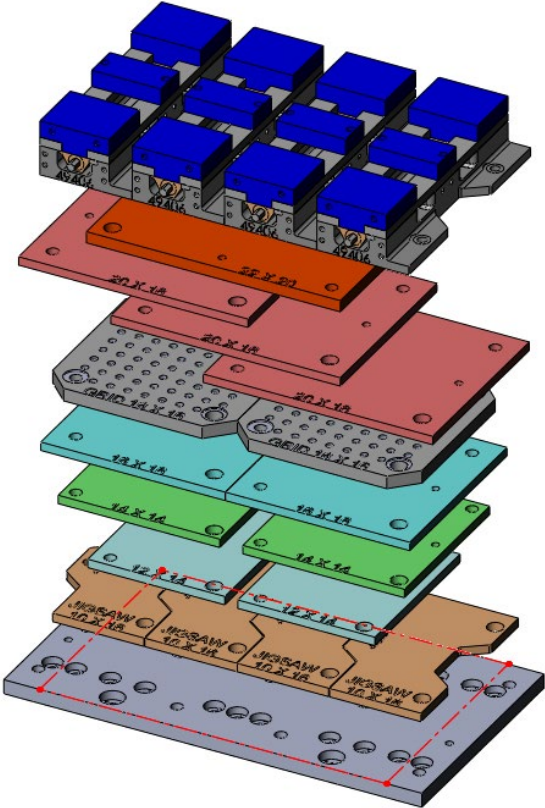
28813 Steel



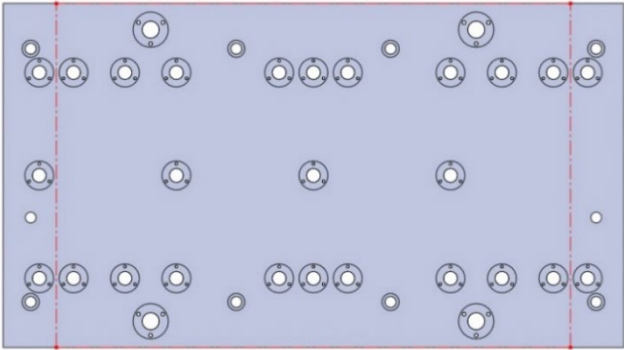
28715 Aluminum

28815 Steel

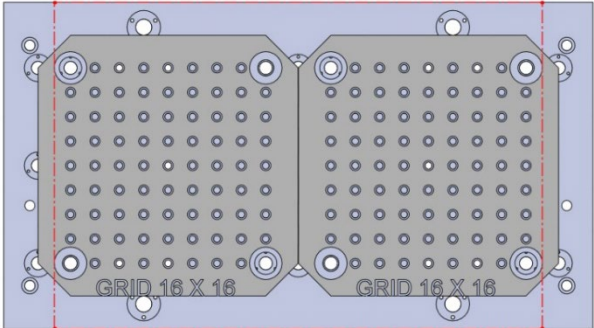
DNM500a-006 (CONTINUED)



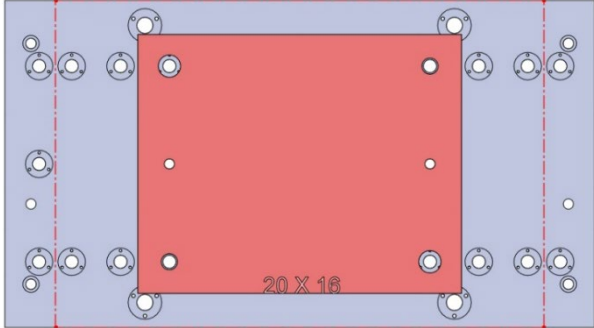
36.22 X 20.07 X 1.25



DNM500a-006

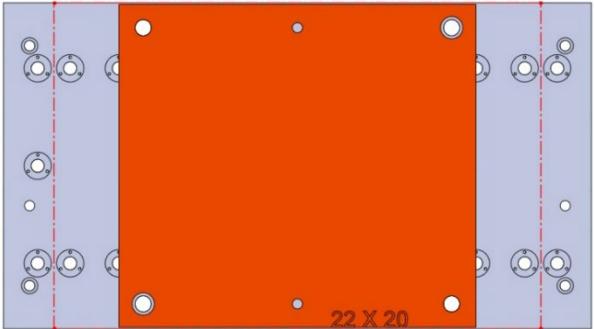


28801 Steel Grid Fixture Plate



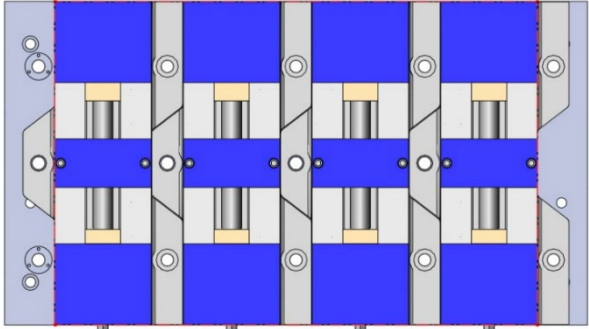
28719 Aluminum

28819 Steel



28745 Aluminum

28845 Steel



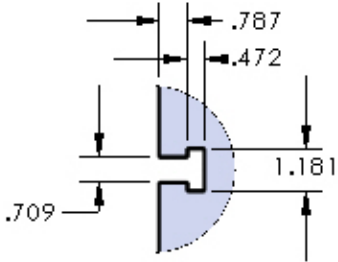
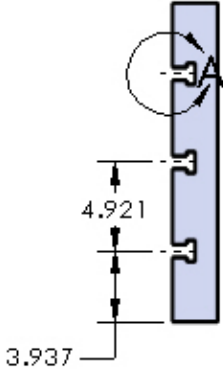
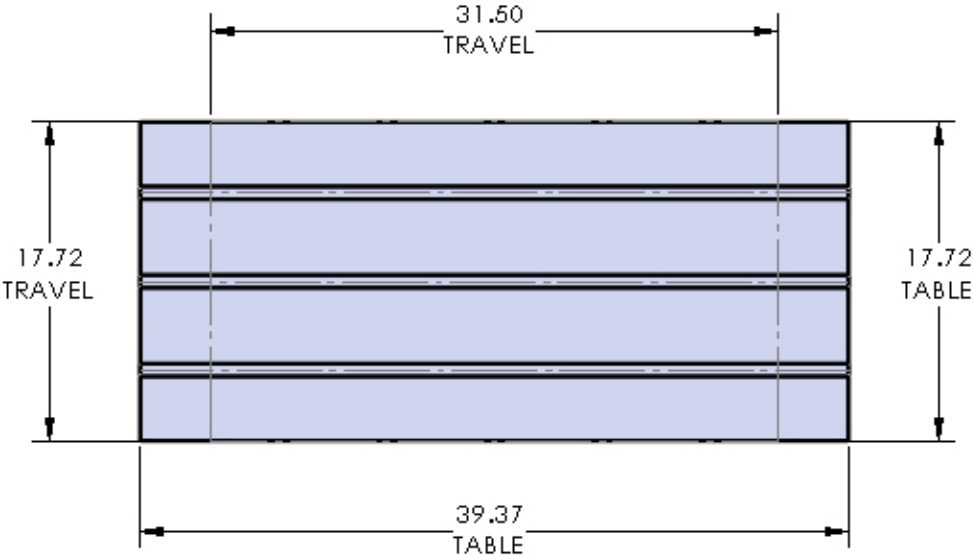
49406 6" Dual Station Production Vise

DNM4500



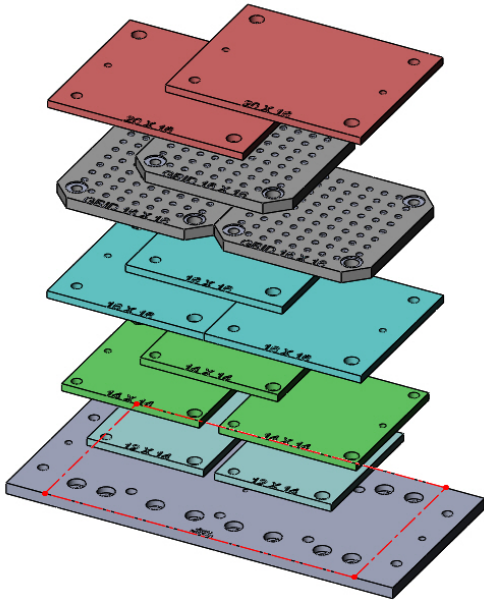
Table Specifications

Table Travel (X,Y,Z): 31.5" x 17.7" x 20.1"
 Table Dimensions (L x W): 39.37" x 17.72"
 Maximum Weight on Table: 1322.8 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)

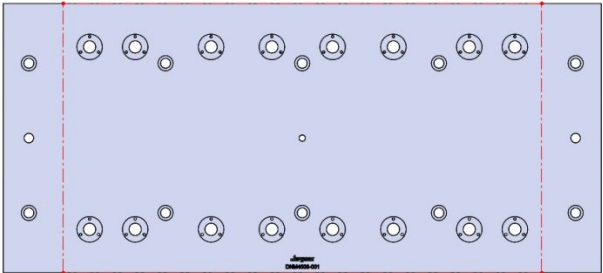


DETAIL A
 SCALE 1 : 4

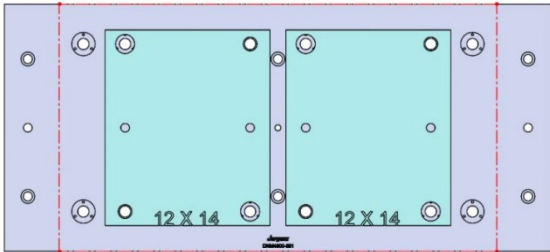
DNM4500-001



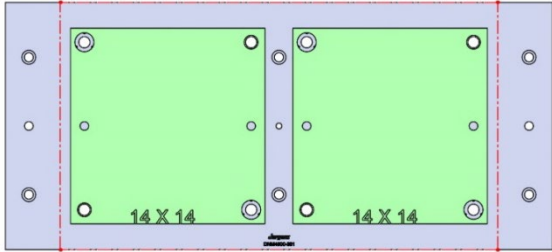
39.37 X 17.71 X 1.25



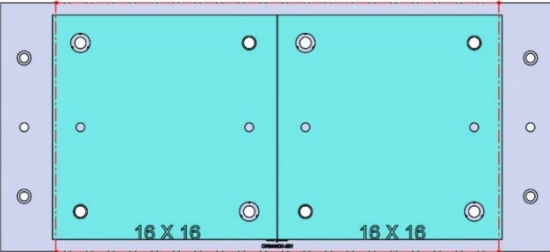
DNM4500-001



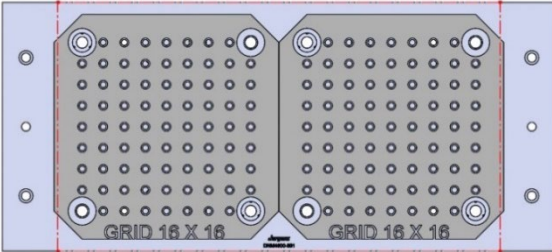
28711 Aluminum 28811 Steel



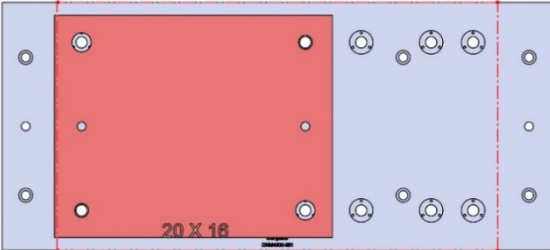
28713 Aluminum 28813 Steel



28715 Aluminum 28815 Steel

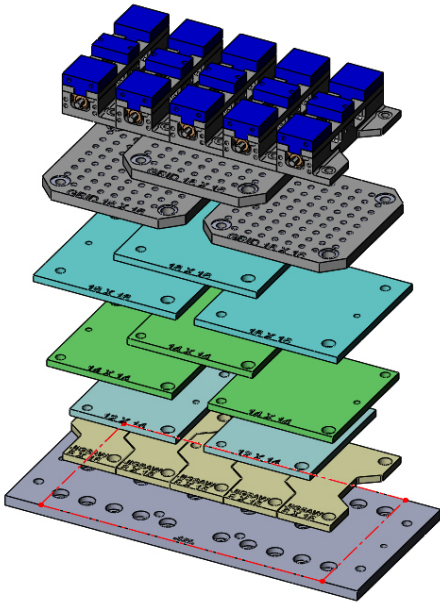


28801 Steel Grid Fixture Plate

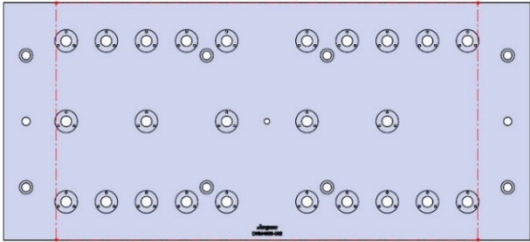


28719 Aluminum 28819 Steel

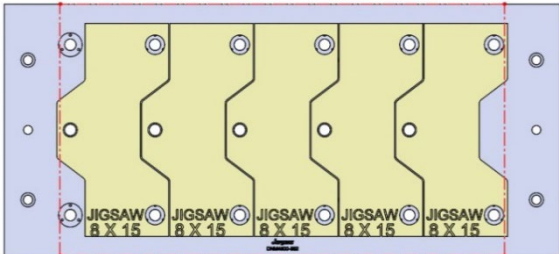
DNM4500-002



39.37 X 17.71 X 1.25

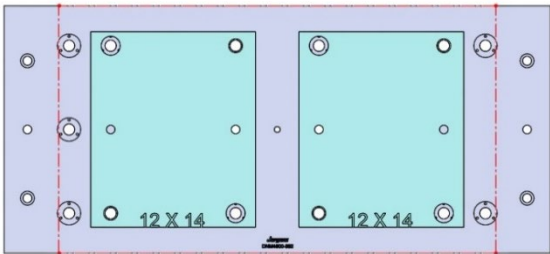


DNM4500-002



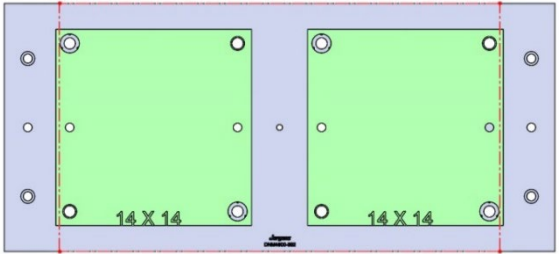
28705 Aluminum

28805 Steel



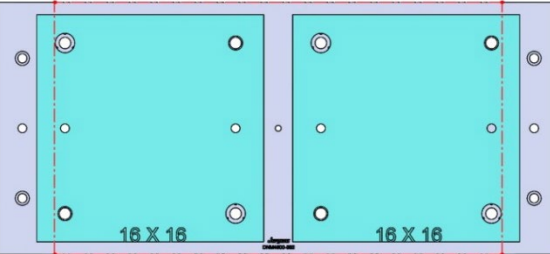
28711 Aluminum

28811 Steel



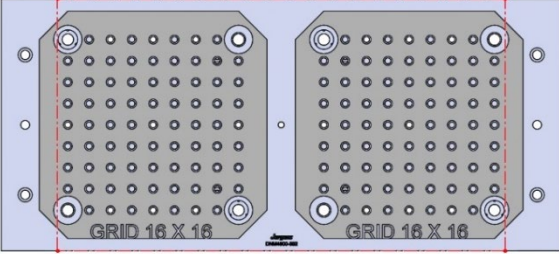
28713 Aluminum

28813 Steel

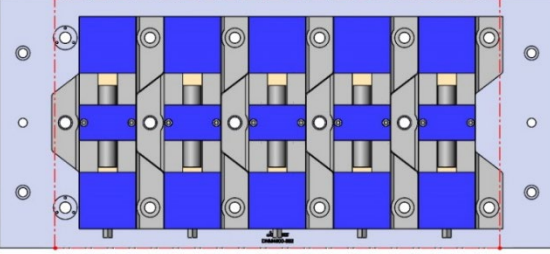


28715 Aluminum

28815 Steel

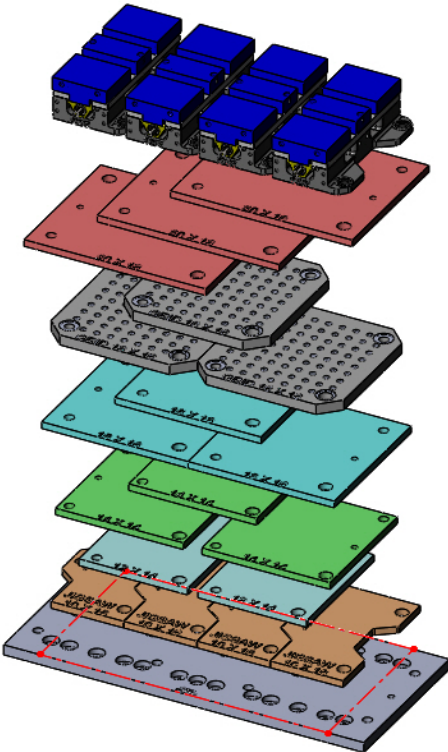


28801 Steel Grid Fixture Plate

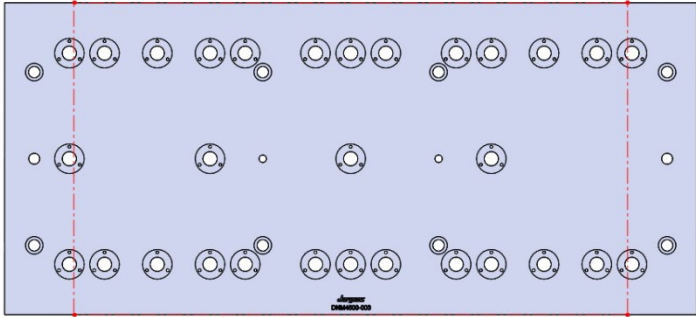


49405 4" Dual Station Production Vise

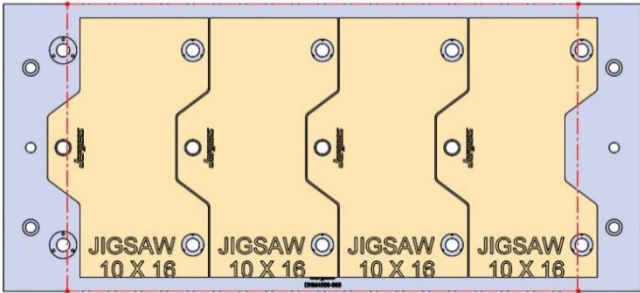
DNM4500-003



39.37 X 17.71 X 1.25

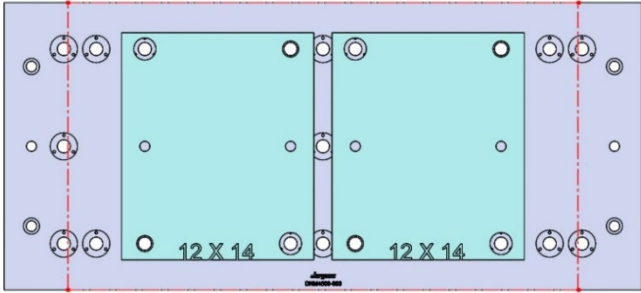


DNM4500-003



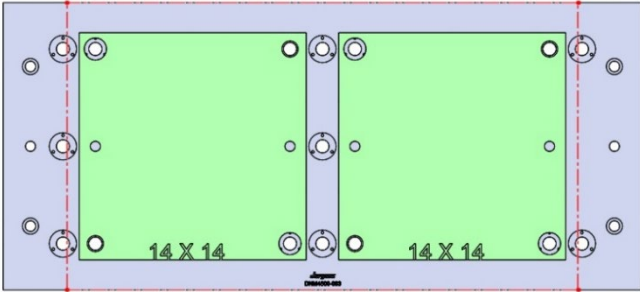
28706 Aluminum

28806 Steel



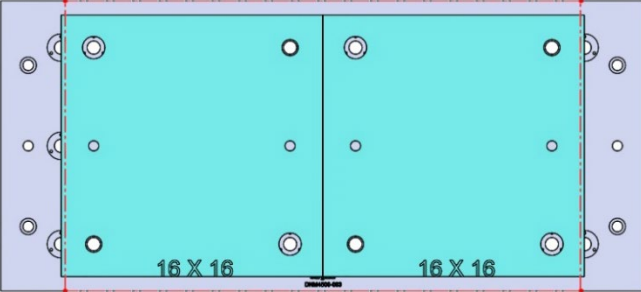
28711 Aluminum

28811 Steel



28713 Aluminum

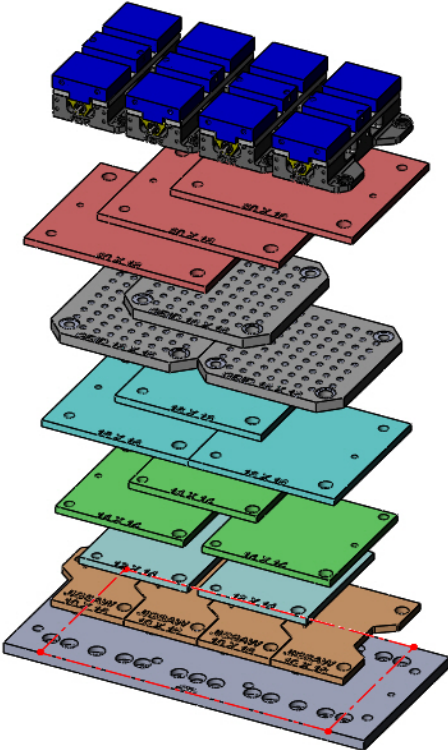
28813 Steel



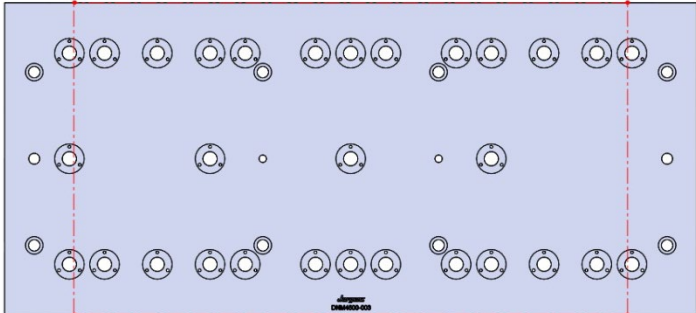
28715 Aluminum

28815 Steel

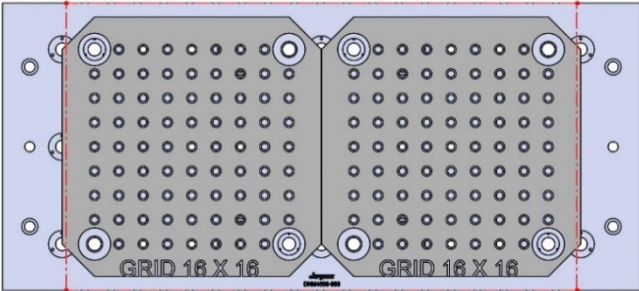
DNM4500-003 (CONTINUED)



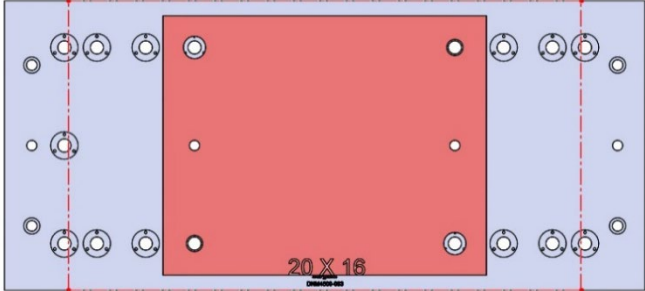
39.37 X 17.71 X 1.25



DNM4500-003

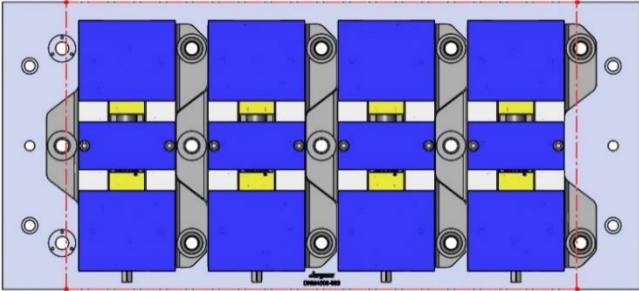


28801 Steel Grid Fixture Plate



28719 Aluminum

28819 Steel



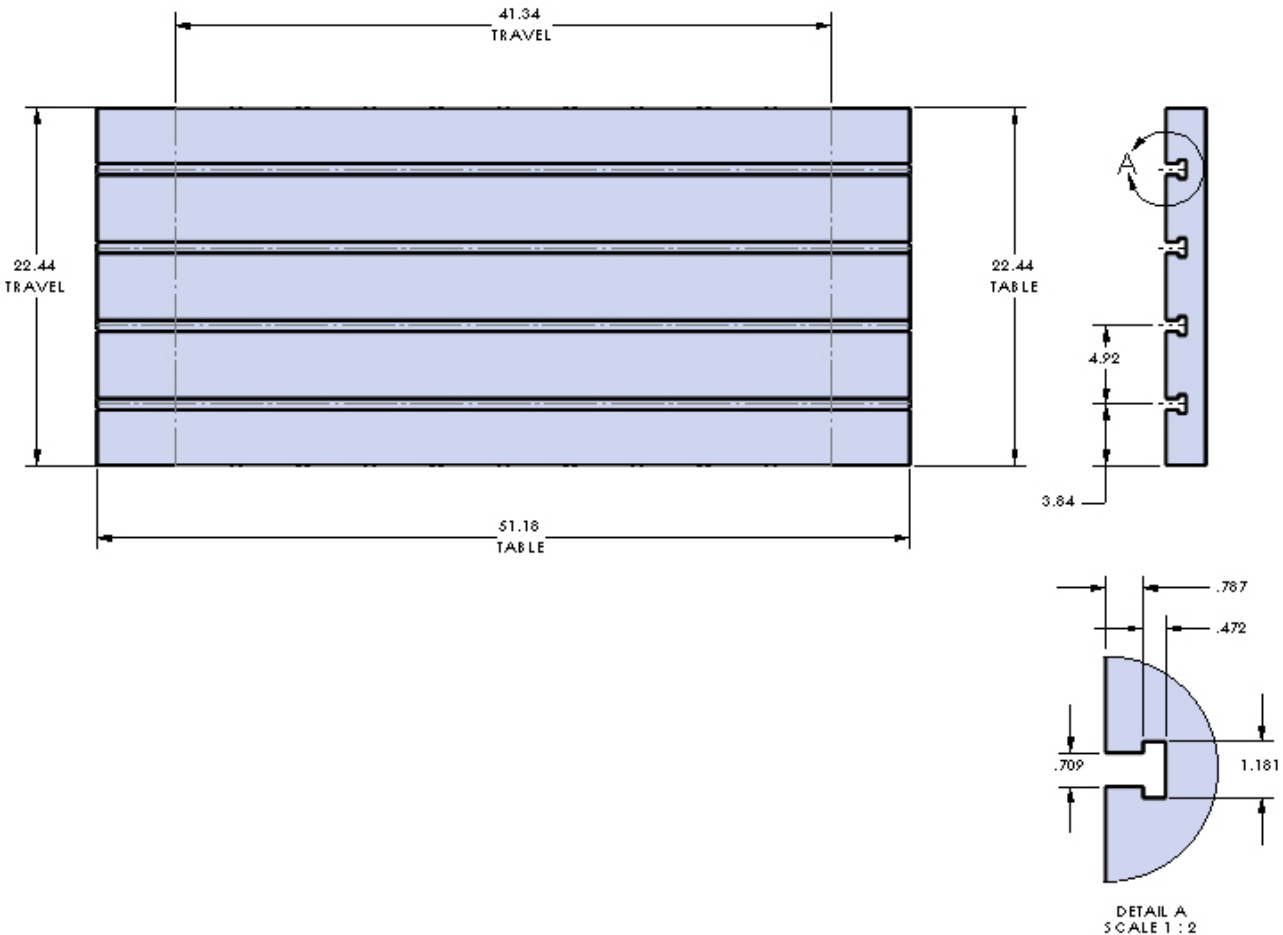
49496 6" Short Dual Station Production Vise

DNM5700

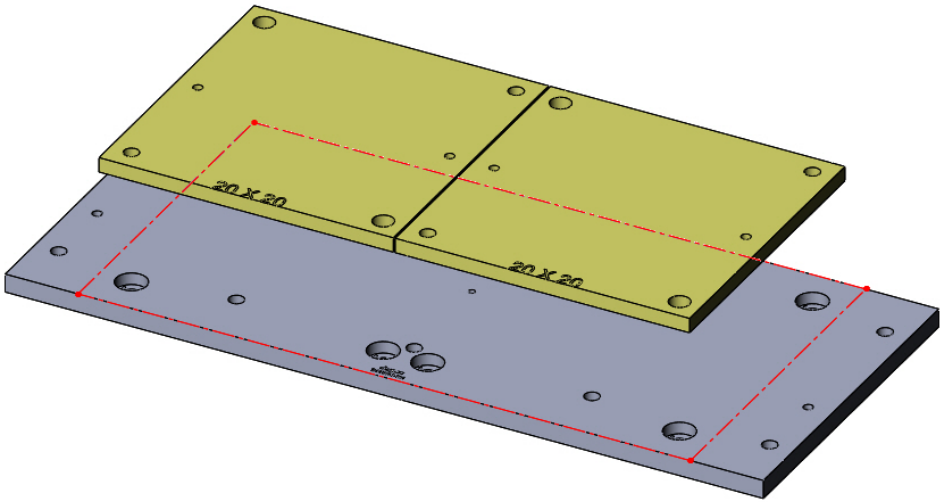


Table Specifications

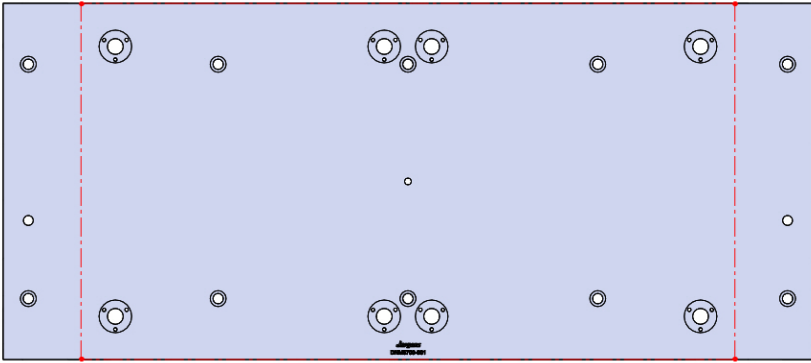
Table Travel (X,Y,Z): 41.3" x 22.4" x 20.1"
 Table Dimensions (L x W): 51.2" x 22.4"
 Maximum Weight on Table: 2204.6 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)



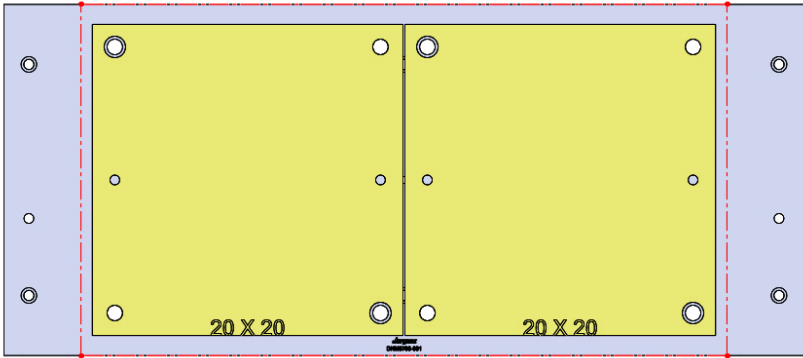
DNM5700-001



51.18 X 22.44 X 1.25



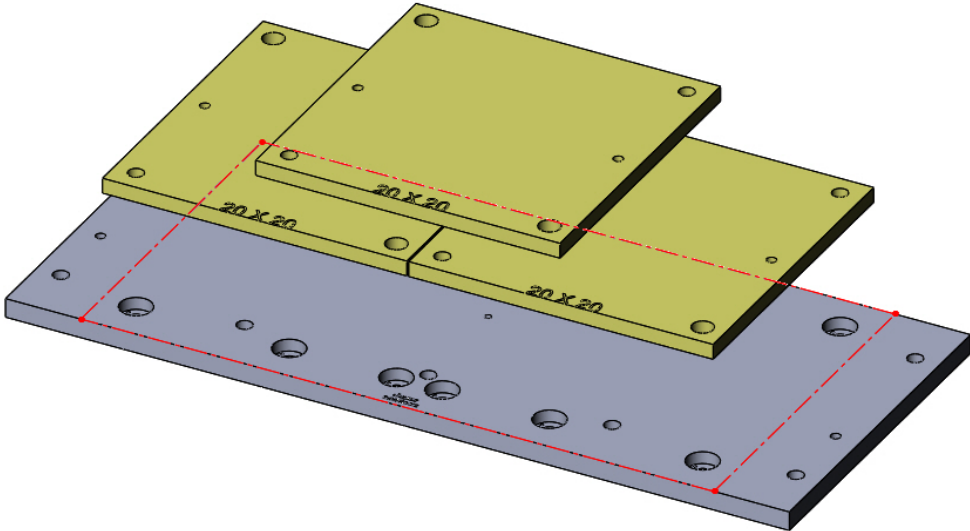
DNM5700-001



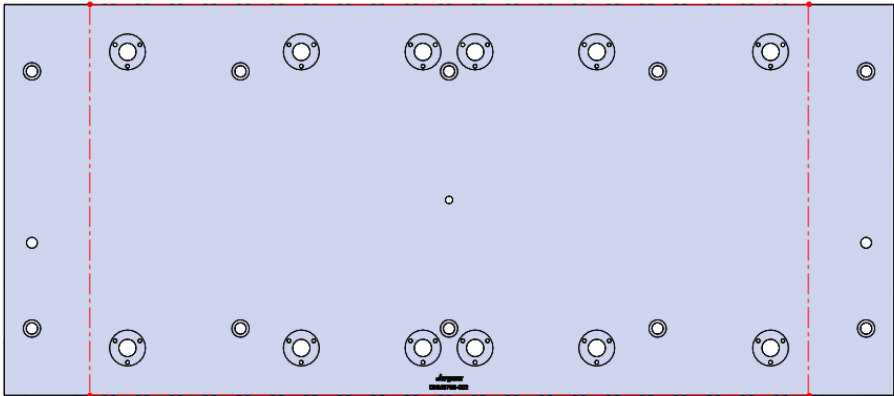
28727 Aluminum

28827 Steel

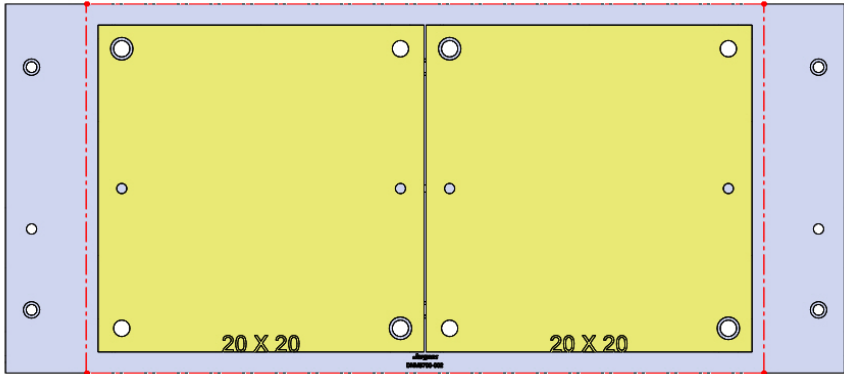
DNM5700-002



51.18 X 22.44 X 1.25



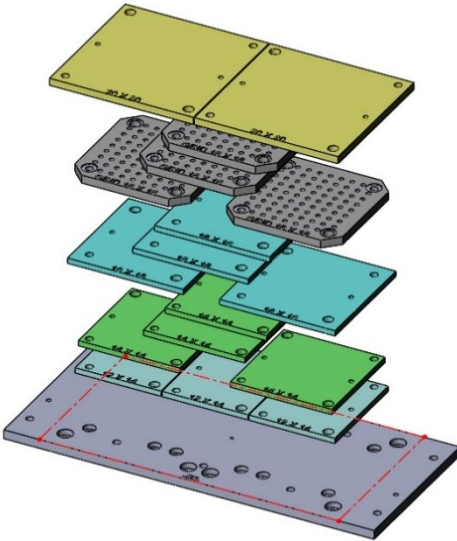
DNM5700-002



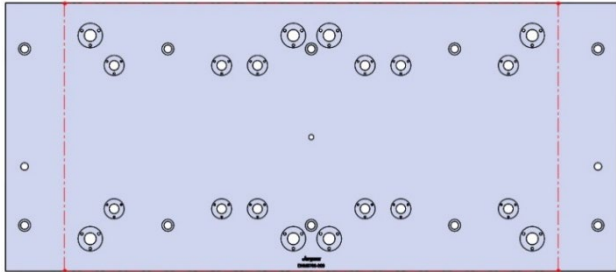
28727 Aluminum

28827 Steel

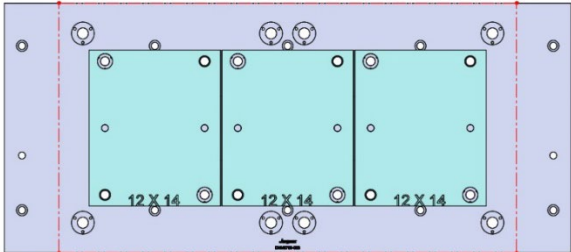
DNM5700-003



51.18 X 22.44 X 1.25

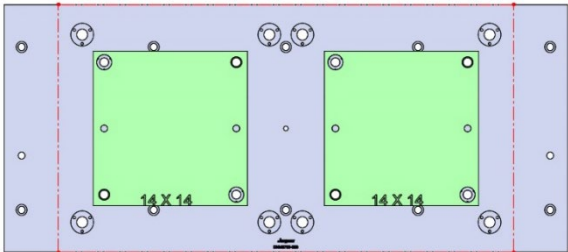


DNM5700-003



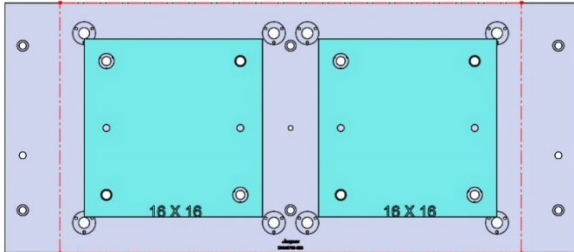
28711 Aluminum

28811 Steel



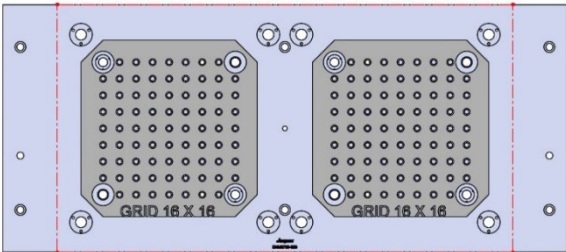
28713 Aluminum

28813 Steel

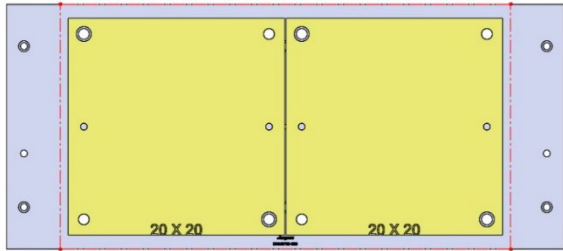


28715 Aluminum

28815 Steel



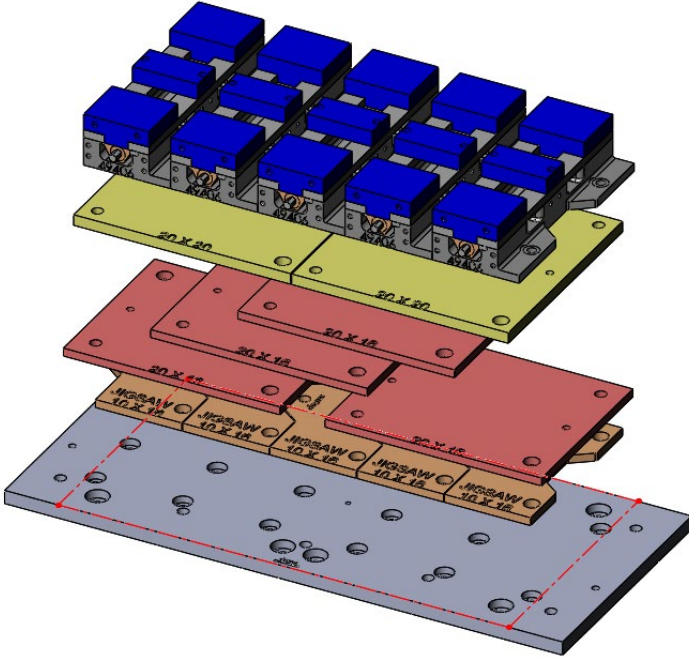
28801 Steel Grid Fixture Plate



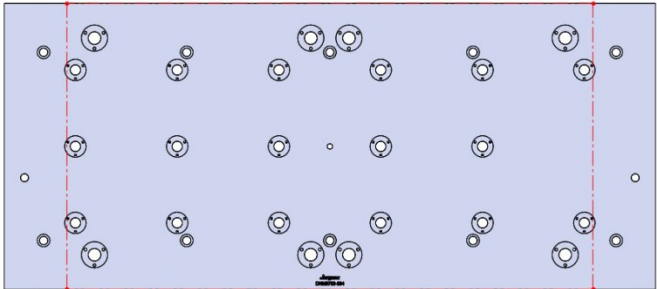
28727 Aluminum

28827 Steel

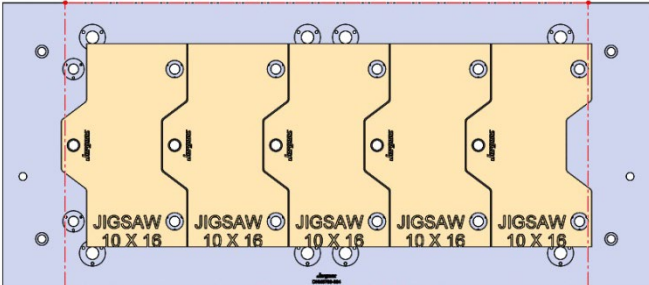
DNM5700-004



51.18 X 22.44 X 1.25

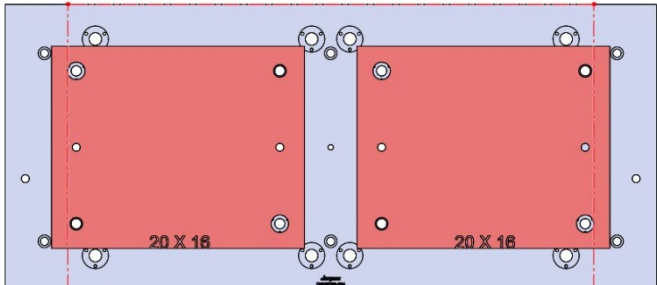


DNM5700-004



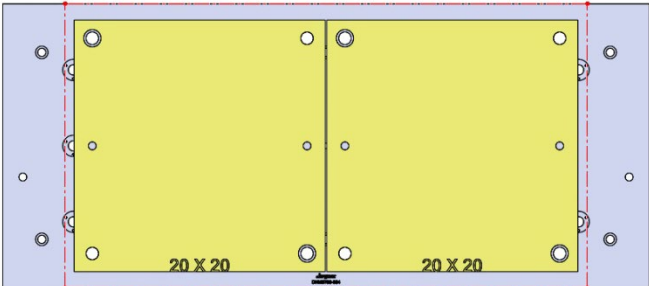
28706 Aluminum

28806 Steel



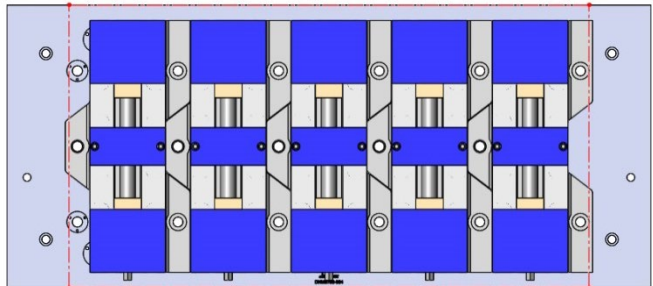
28719 Aluminum

28819 Steel



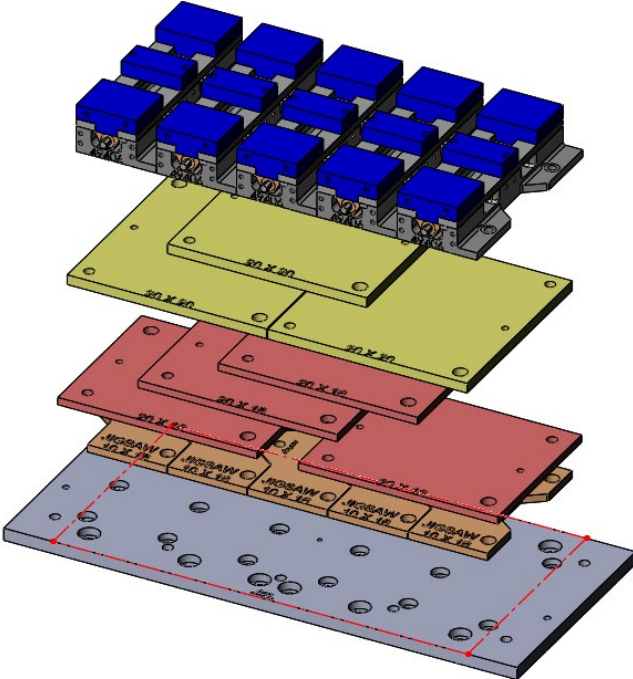
28727 Aluminum

28827 Steel

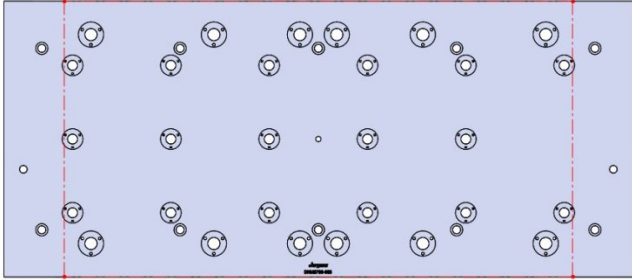


49406 6" Dual Station Production Vise

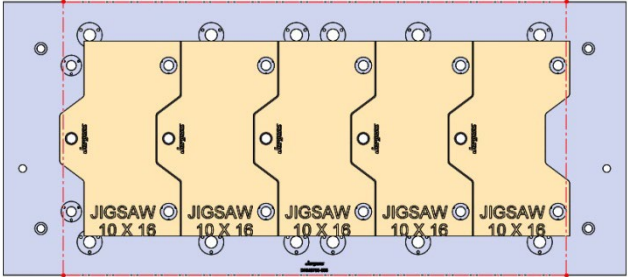
DNM5700-005



51.18 X 22.44 X 1.25

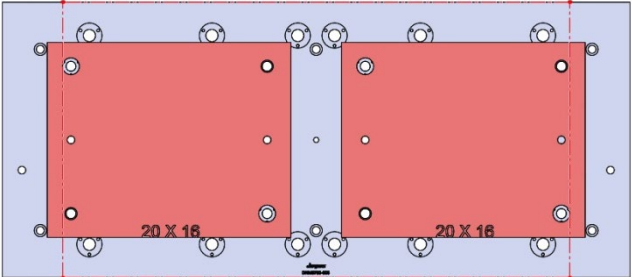


DNM5700-005



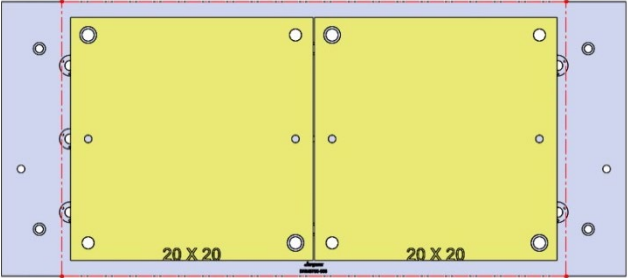
28706 Aluminum

28806 Steel



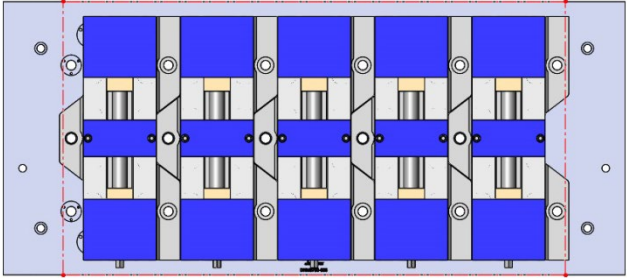
28719 Aluminum

28819 Steel



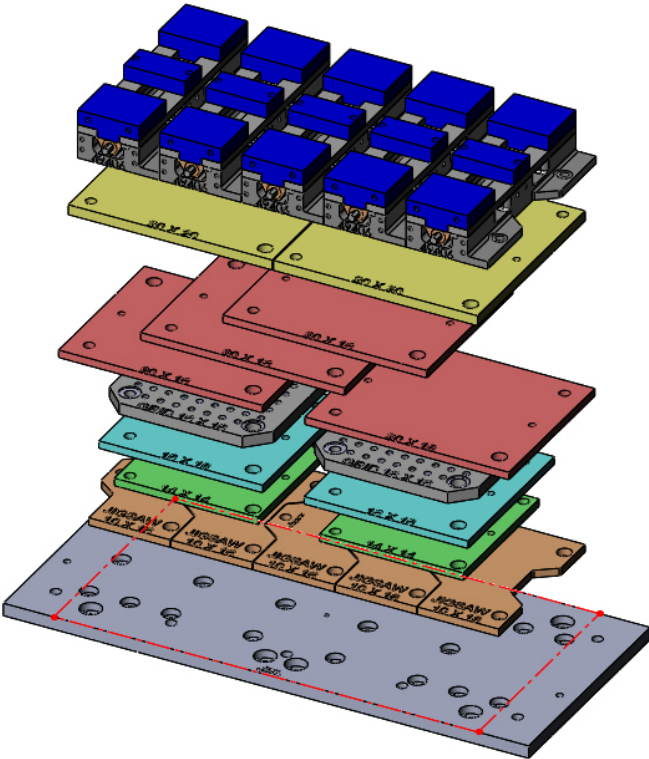
28727 Aluminum

28827 Steel

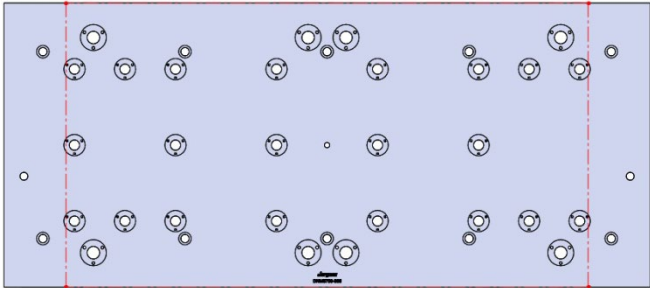


49406 6" Dual Station Production Vise

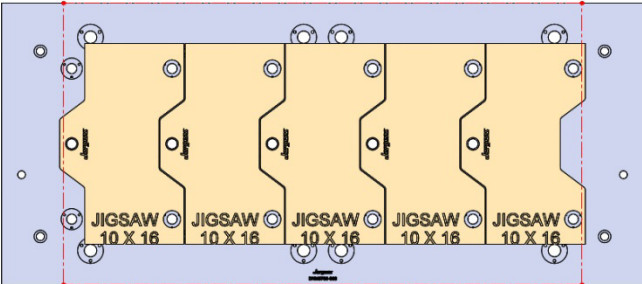
DNM5700-006



51.18 X 22.44 X 1.25

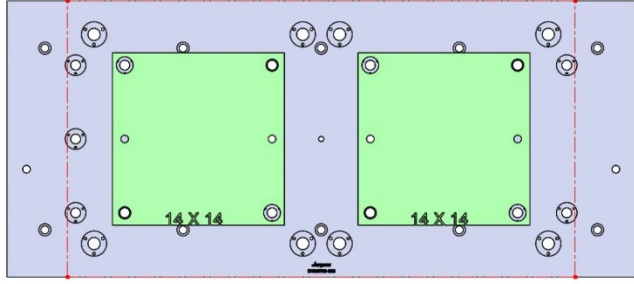


DNM5700-006



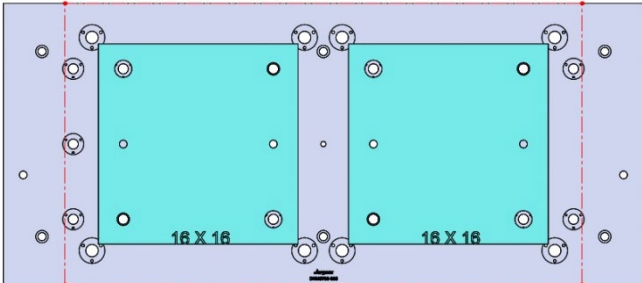
28706 Aluminum

28806 Steel



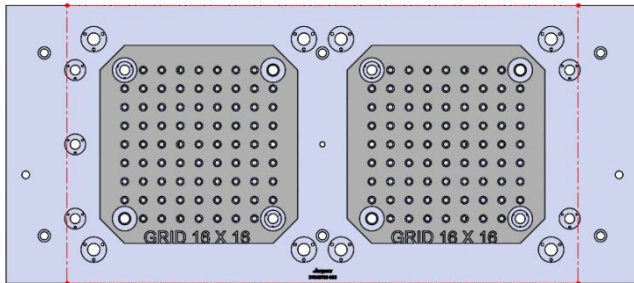
28713 Aluminum

28813 Steel



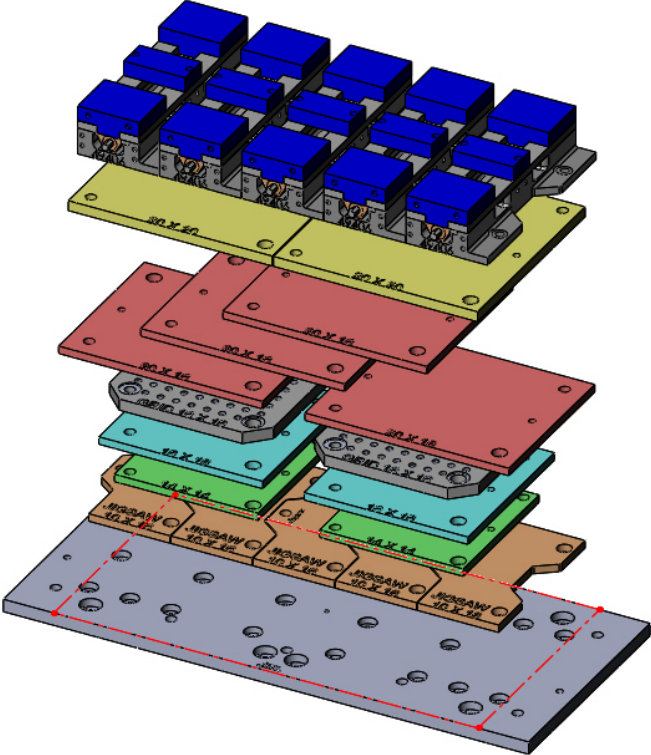
28715 Aluminum

28815 Steel

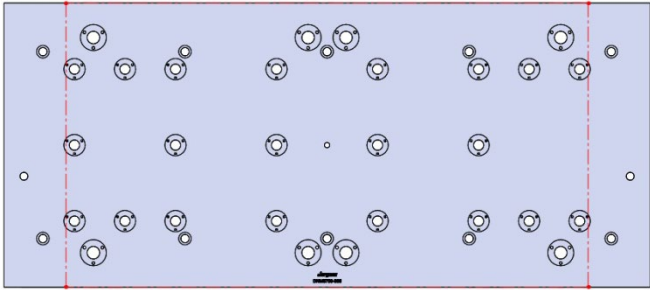


28801 Steel Grid Fixture Plate

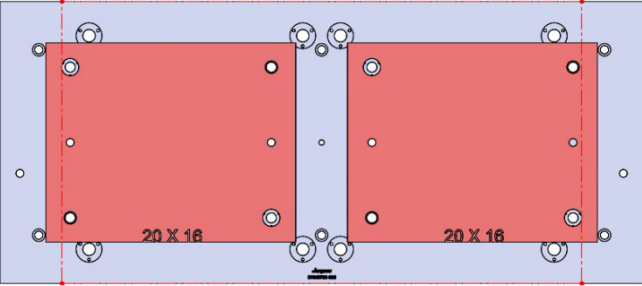
DNM5700-006 (CONTINUED)



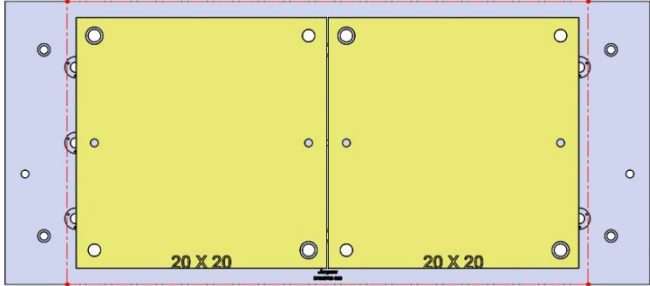
51.18 X 22.44 X 1.25



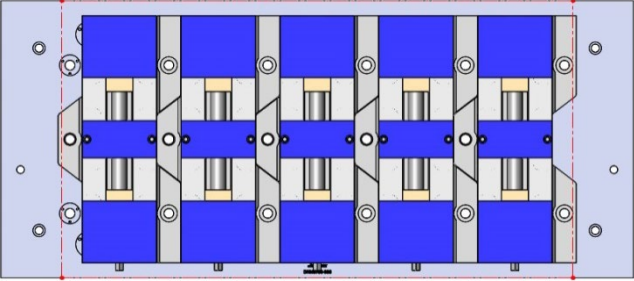
DNM5700-006



28719 Aluminum 28819 Steel

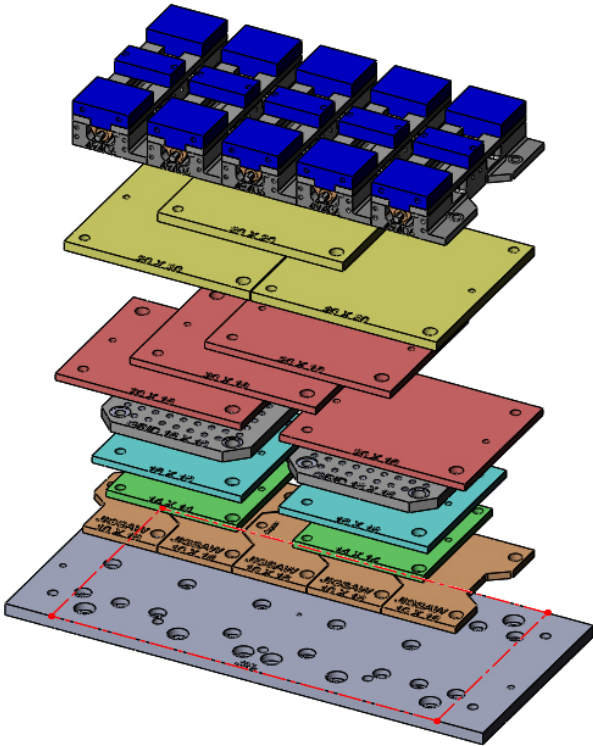


28727 Aluminum 28827 Steel

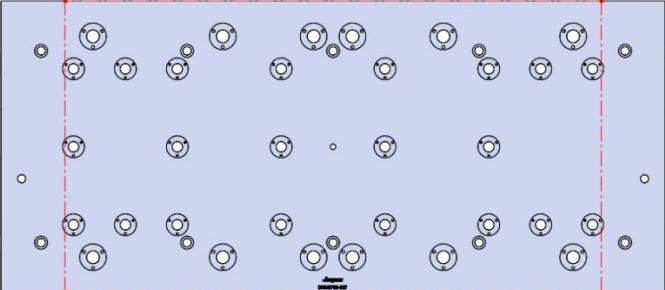


49406 6" Dual Station Production Vise

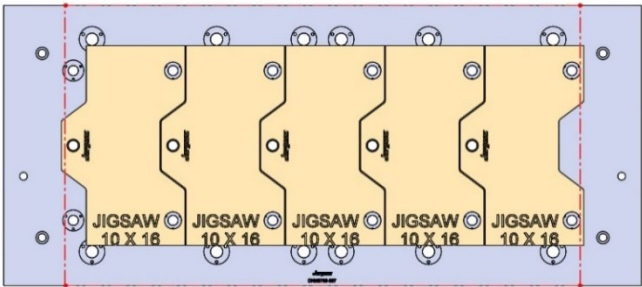
DNM5700-007



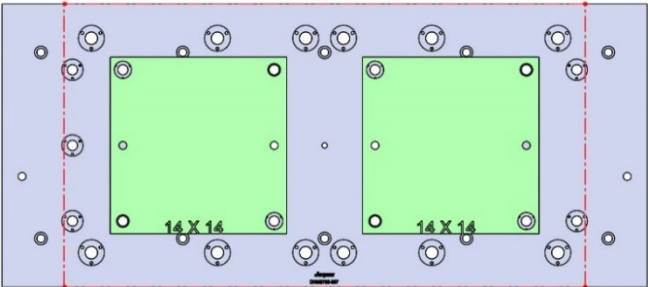
51.18 X 22.44 X 1.25



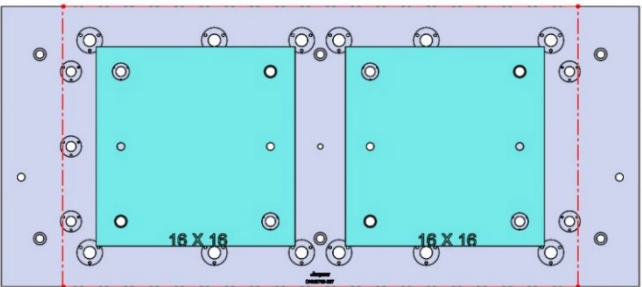
DNM5700-007



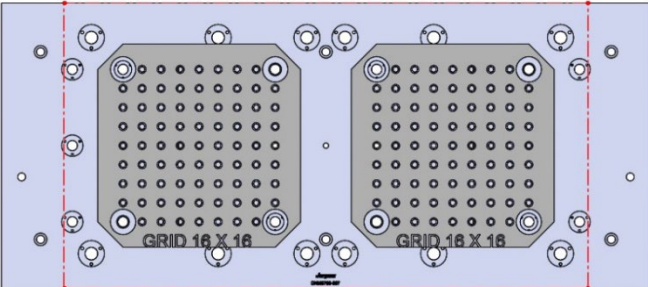
28706 Aluminum 28806 Steel



28713 Aluminum 28813 Steel

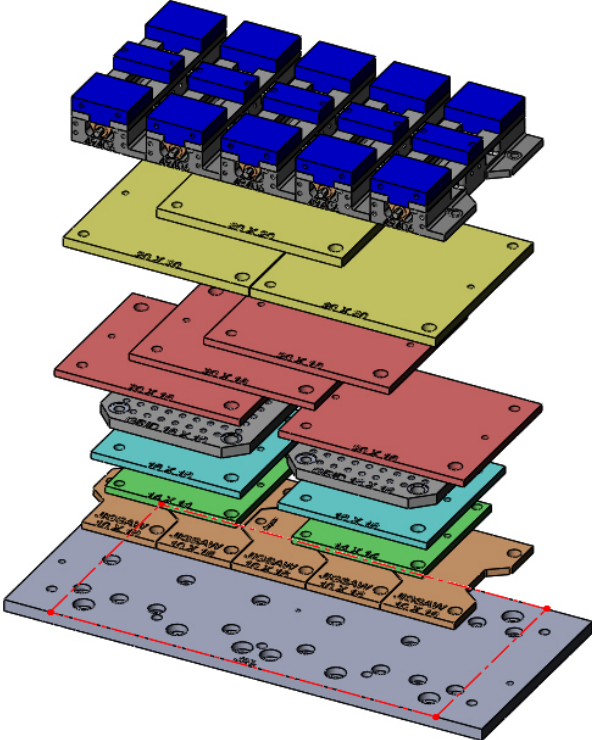


28715 Aluminum 28815 Steel

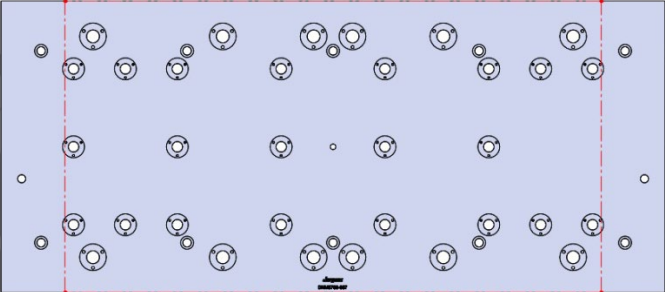


28801 Steel Grid Fixture Plate

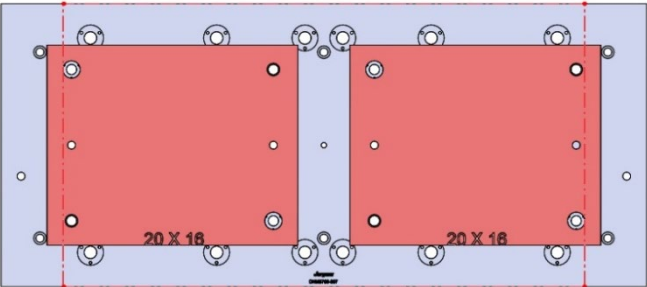
DNM5700-007 (CONTINUED)



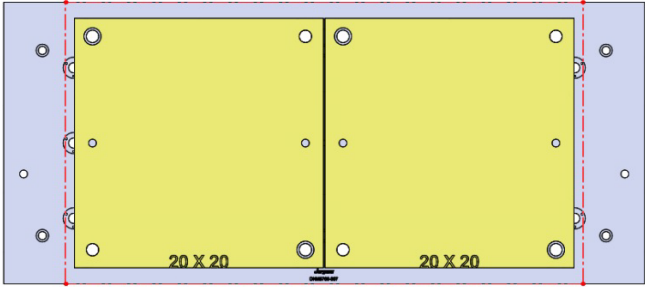
51.18 X 22.44 X 1.25



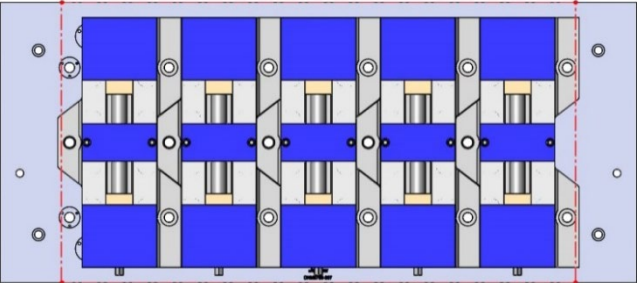
DNM5700-007



28719 Aluminum 28819 Steel

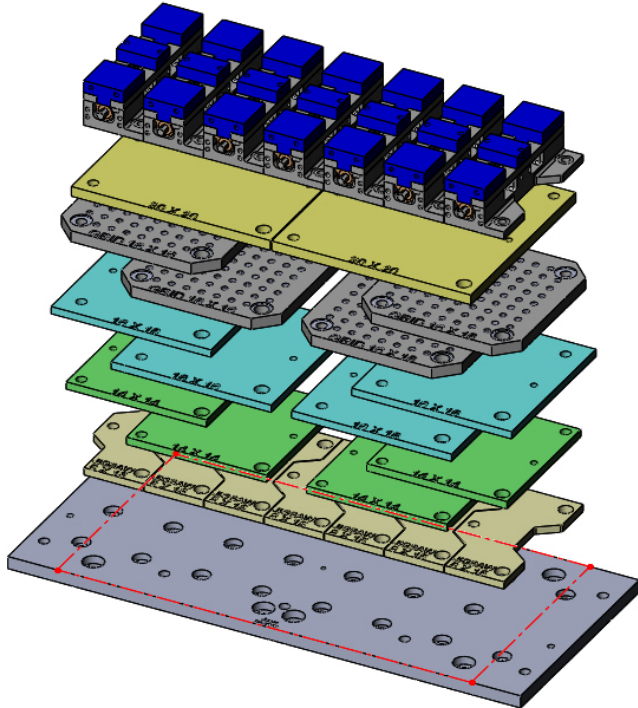


28727 Aluminum 28827 Steel

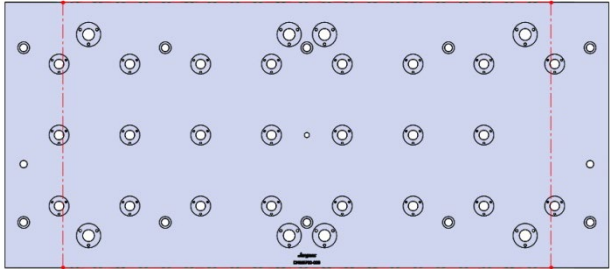


49406 6" Dual Station Production Vise

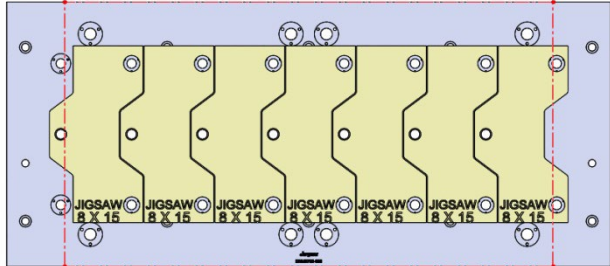
DNM5700-008



51.18 X 22.44 X 1.25

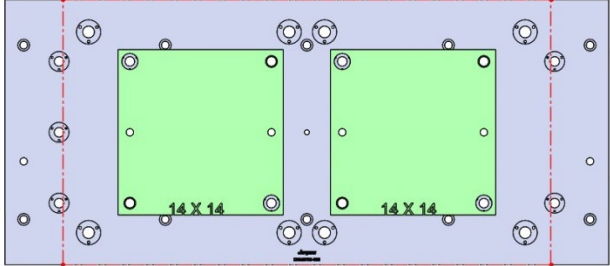


DNM5700-008



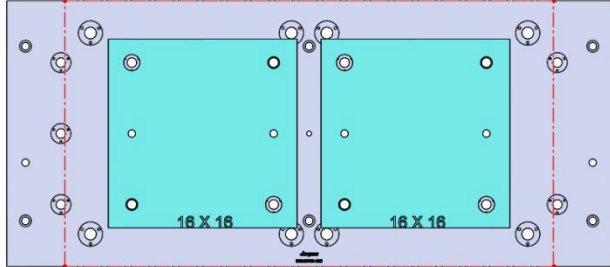
28705 Aluminum

28805 Steel



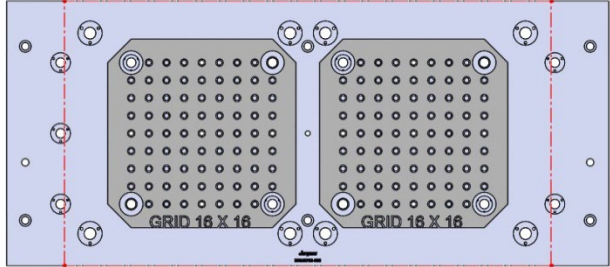
28713 Aluminum

28813 Steel



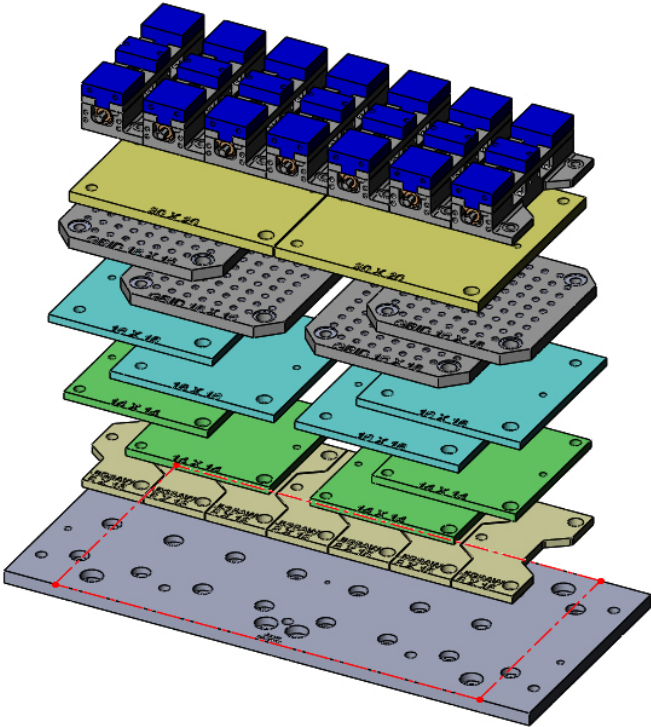
28715 Aluminum

28815 Steel

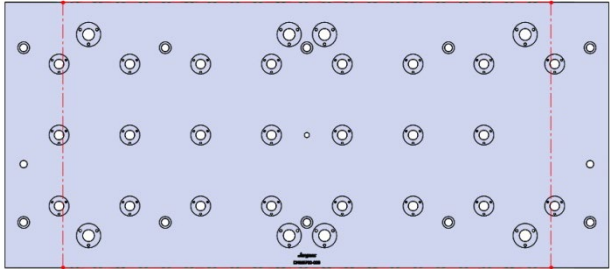


28801 Steel Grid Fixture Plate

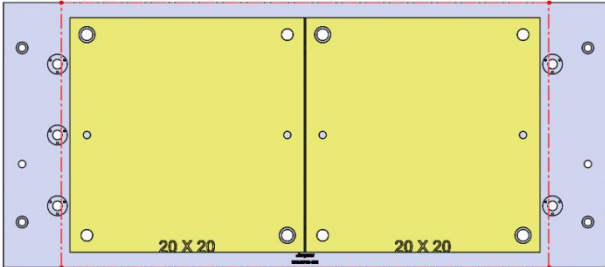
DNM5700-008 (CONTINUED)



51.18 X 22.44 X 1.25

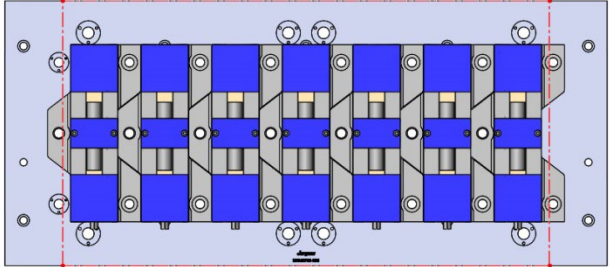


DNM5700-008



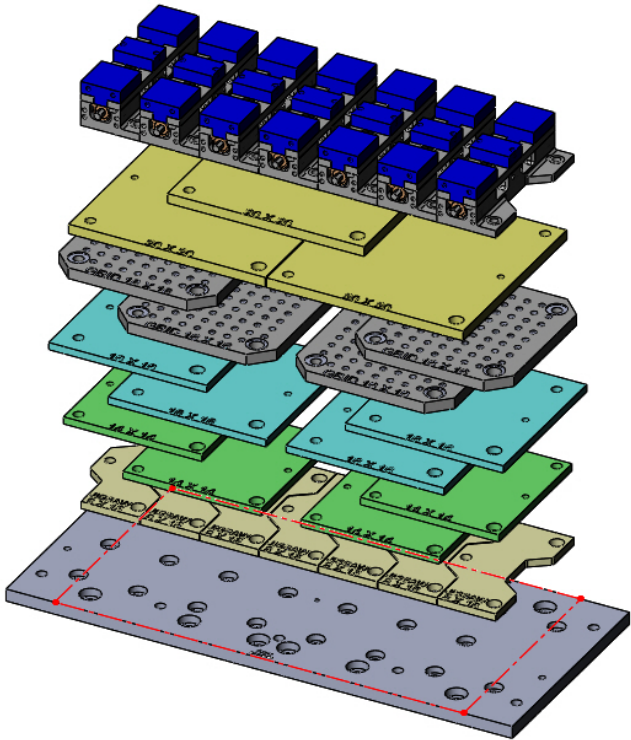
28727 Aluminum

28827 Steel

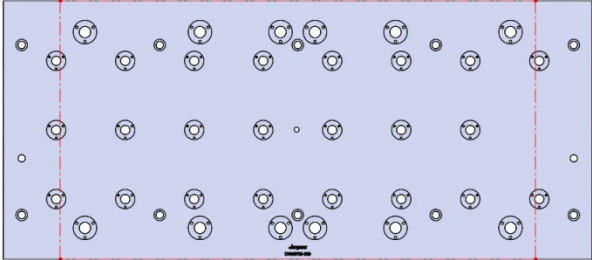


49405 4" Dual Station Production Vise

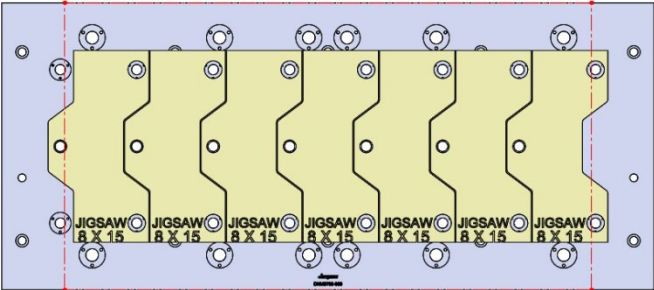
DNM5700-009



51.18 X 22.44 X 1.25

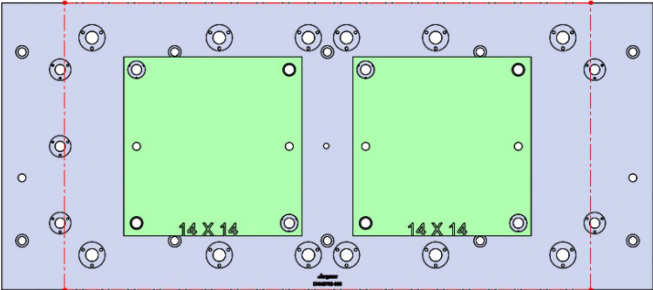


DNM5700-009



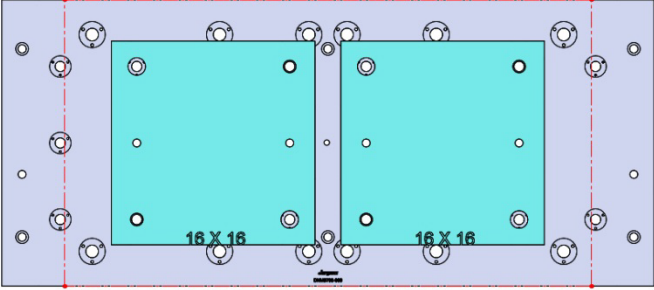
28705 Aluminum

28805 Steel



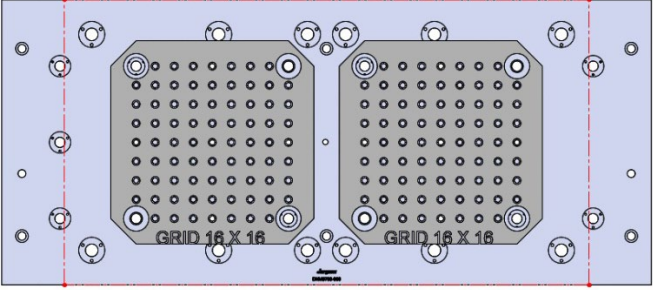
28713 Aluminum

28813 Steel



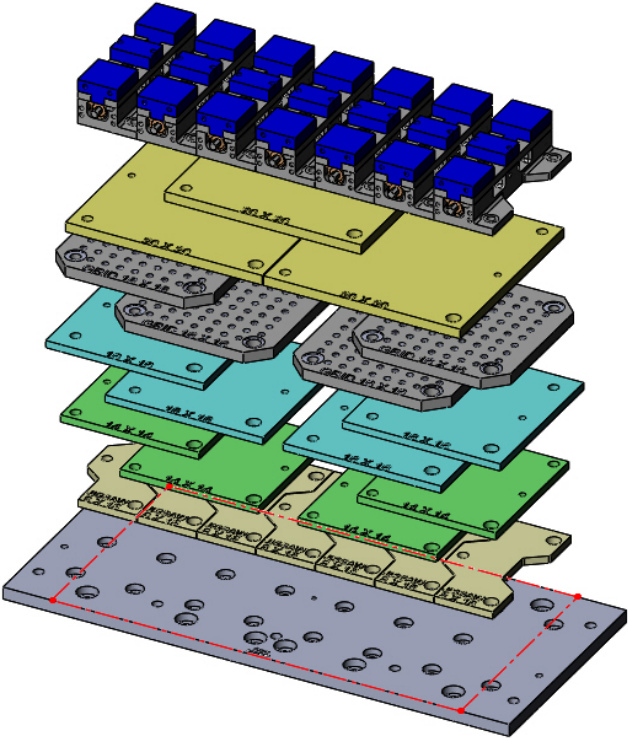
28715 Aluminum

28815 Steel

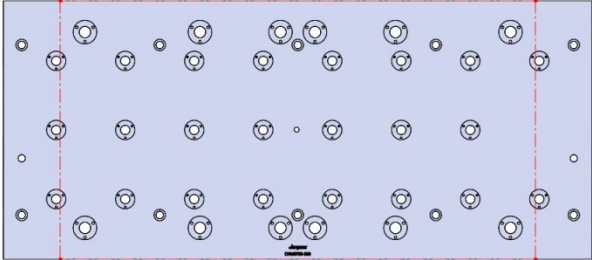


28801 Steel Grid Fixture Plate

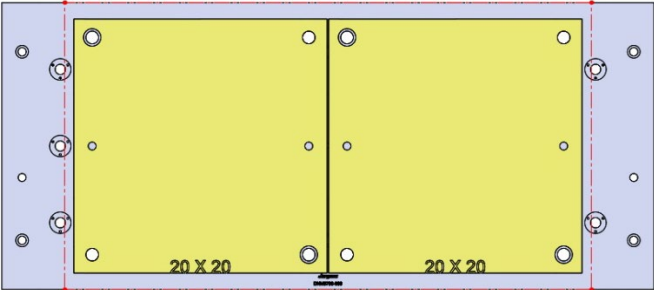
DNM5700-009 (CONTINUED)



51.18 X 22.44 X 1.25

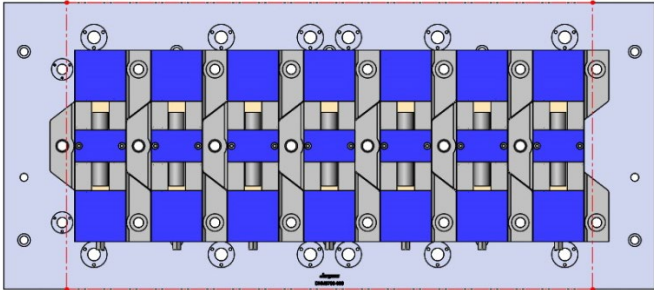


DNM5700-009



28727 Aluminum

28827 Steel



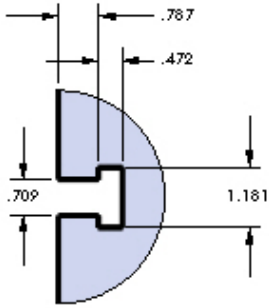
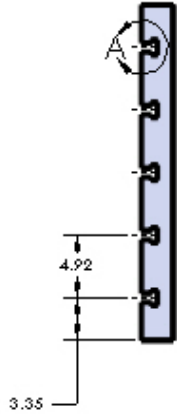
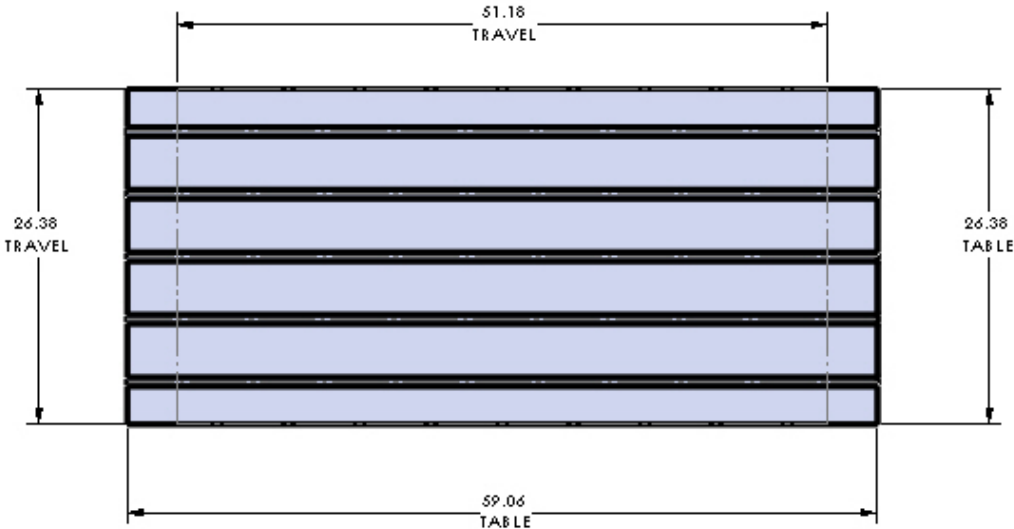
49405 4" Dual Station Production Vise

DNM6700



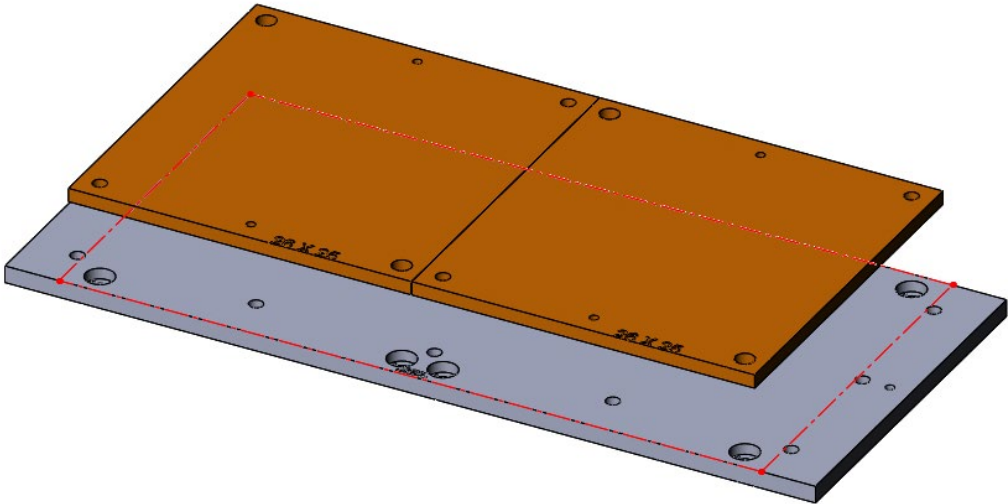
Table Specifications

Table Travel (X,Y,Z): 51.2" x 26.4" x 24.6"
 Table Dimensions (L x W): 59.1" x 26.4"
 Maximum Weight on Table: 2866 lbs
 T-Slot Width: .709" (18mm)
 T-Slot Center Distance: 4.921" (125mm)

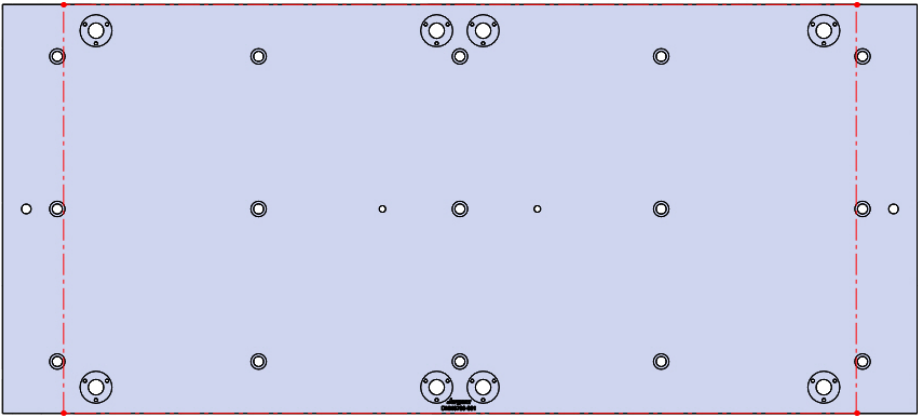


DETAIL A
SCALE 1 : 2

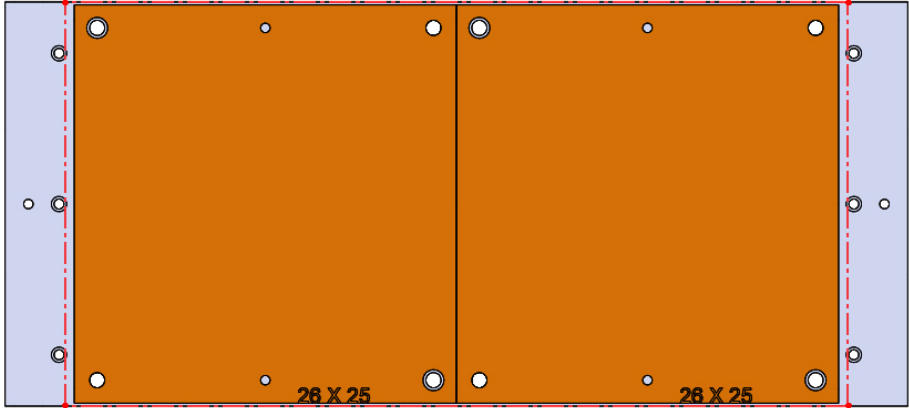
DNM6700-001



59.05 X 26.37 X 1.25



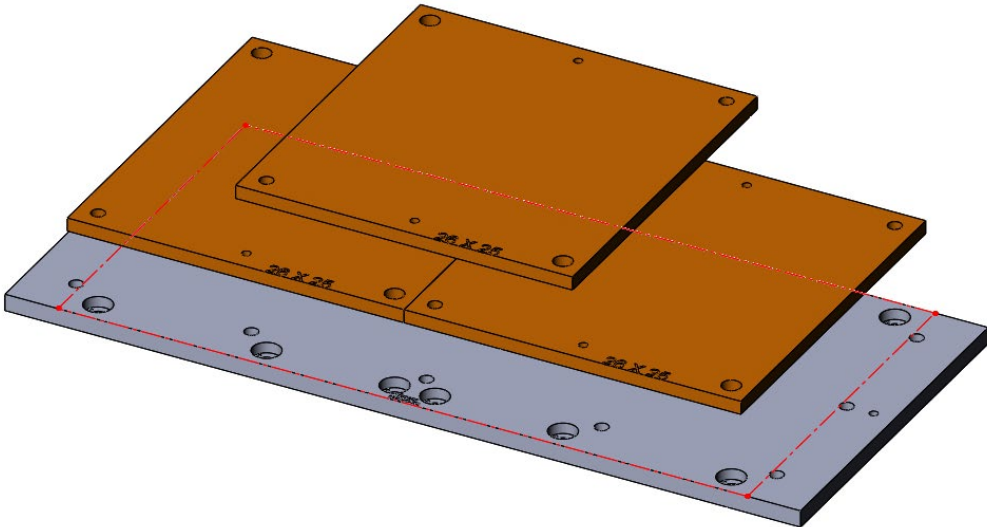
DNM6700-001



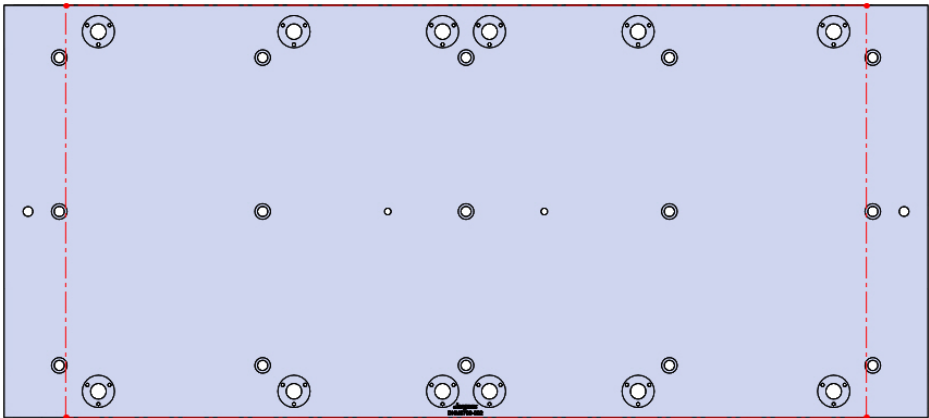
28746 Aluminum

28846 Steel

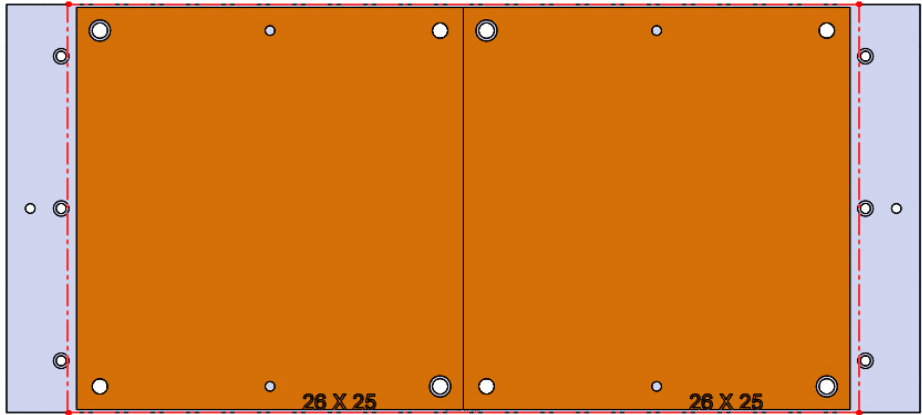
DNM6700-002



59.05 X 26.37 X 1.25



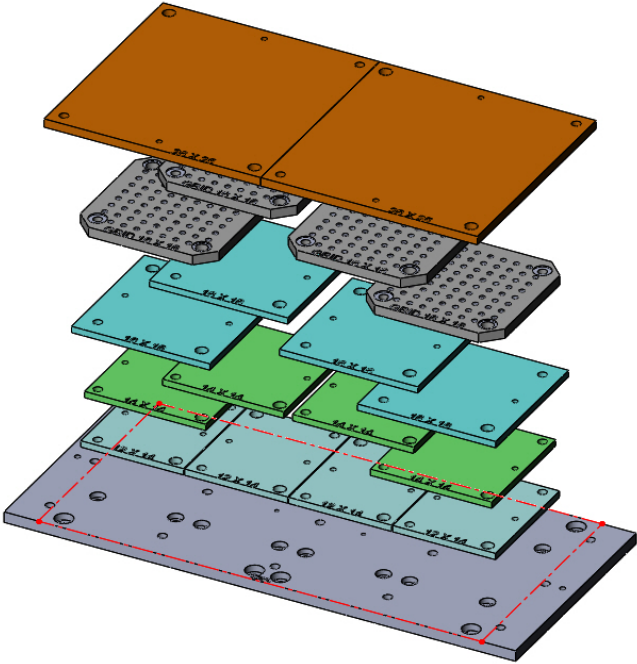
DNM6700-002



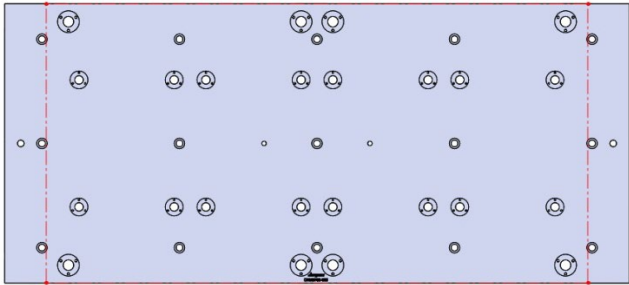
28746 Aluminum

28846 Steel

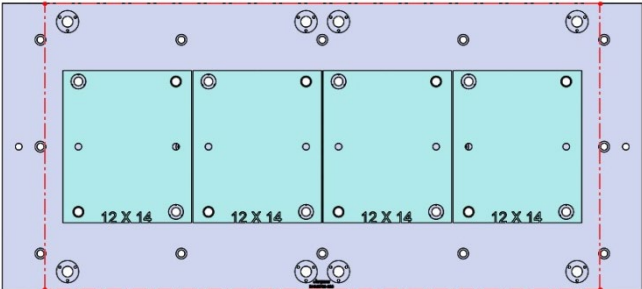
DNM6700-003



59.05 X 26.37 X 1.25

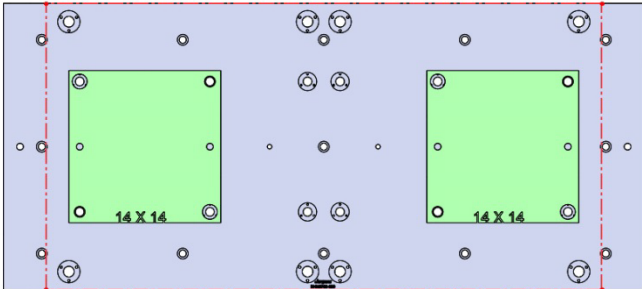


DNM6700-003



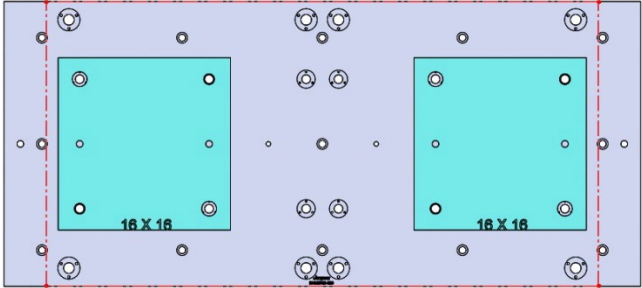
28711 Aluminum

28811 Steel



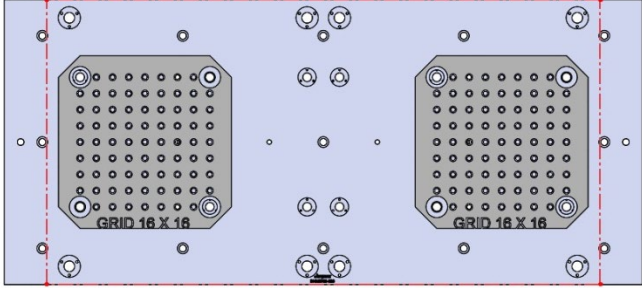
28713 Aluminum

28813 Steel



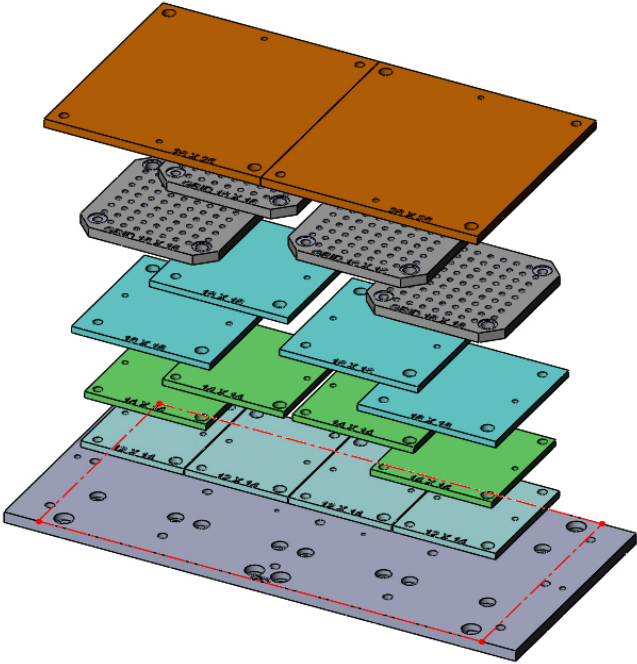
28715 Aluminum

28815 Steel

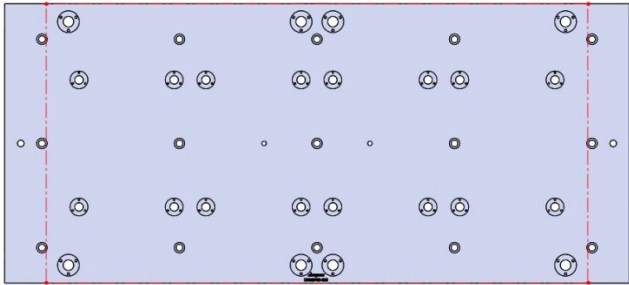


28801 Steel Grid Fixture Plate

DNM6700-003 (CONTINUED)

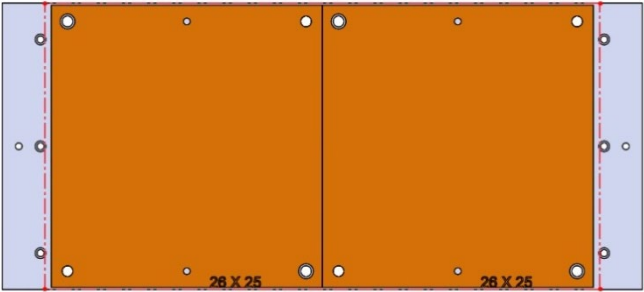


59.05 X 26.37 X 1.25



DNM6700-003

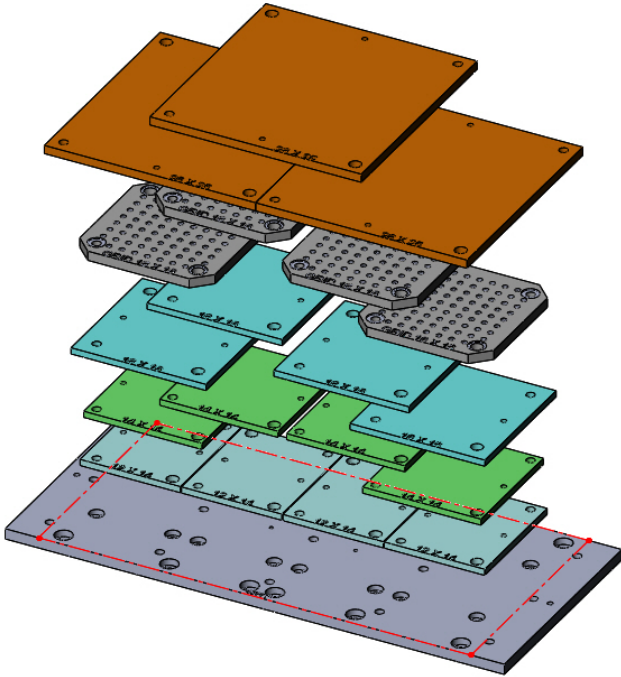
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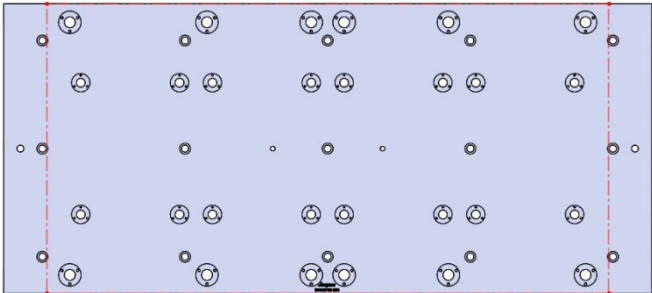
28746 Aluminum

28846 Steel

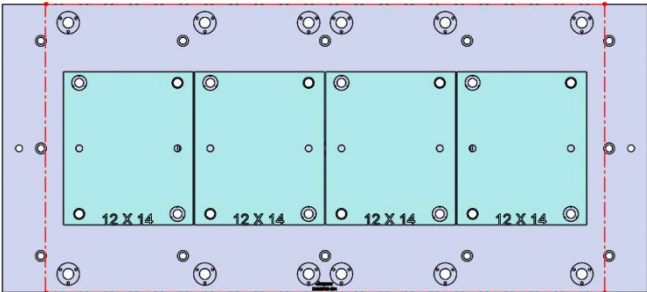
DNM6700-004



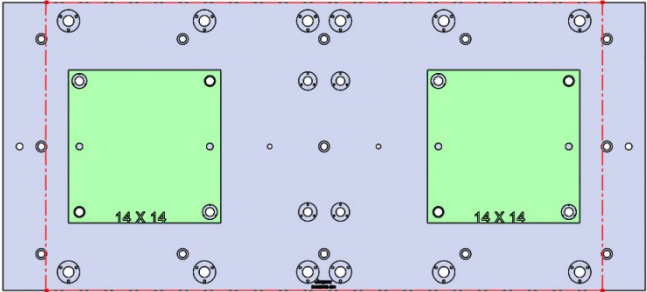
59.05 X 26.37 X 1.25



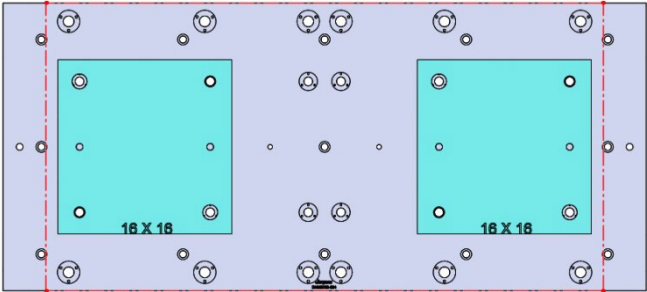
DNM6700-004



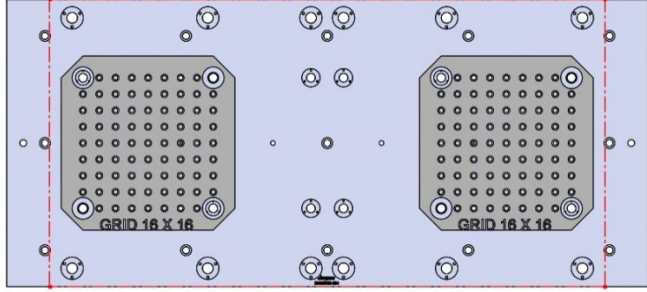
28711 Aluminum 28811 Steel



28713 Aluminum 28813 Steel

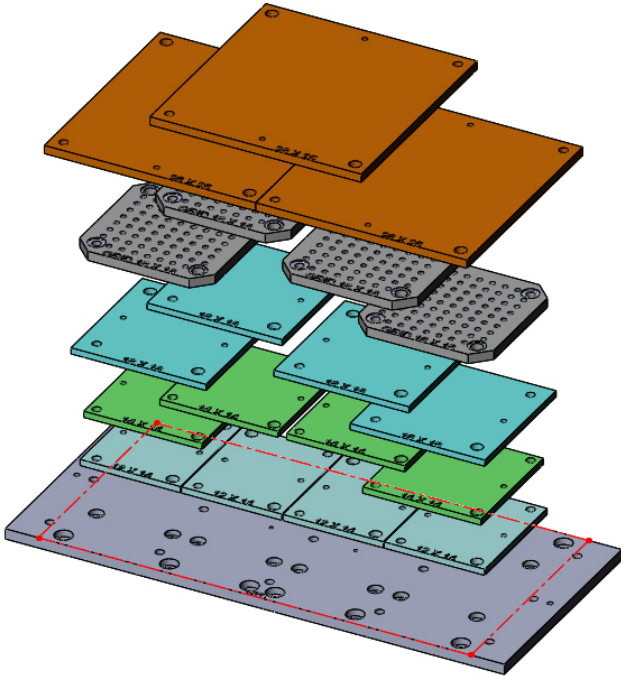


28715 Aluminum 28815 Steel

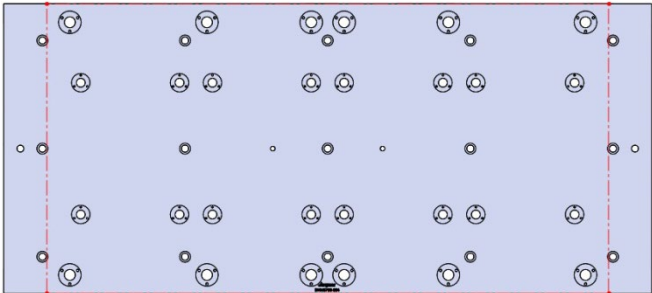


28801 Steel Grid Fixture Plate

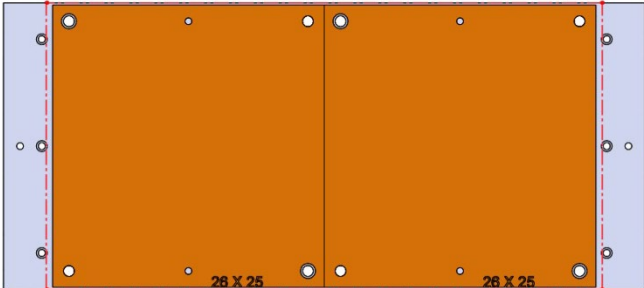
DNM6700-004 (CONTINUED)



59.05 X 26.37 X 1.25



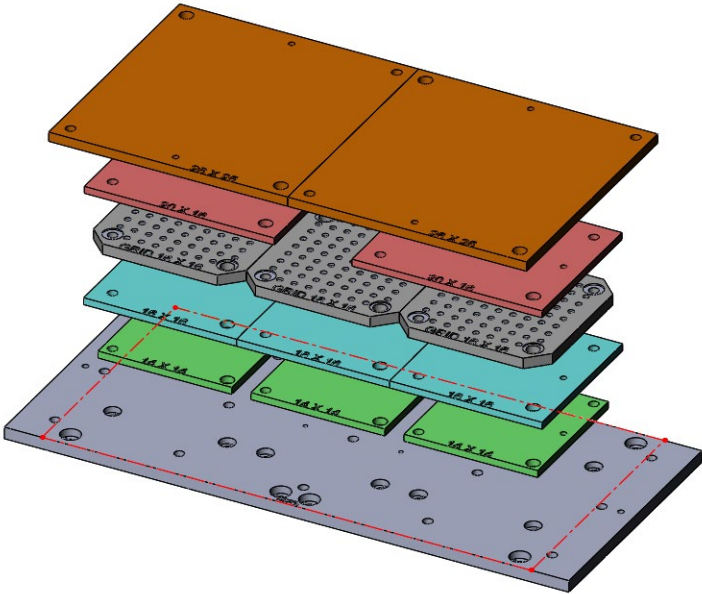
DNM6700-004



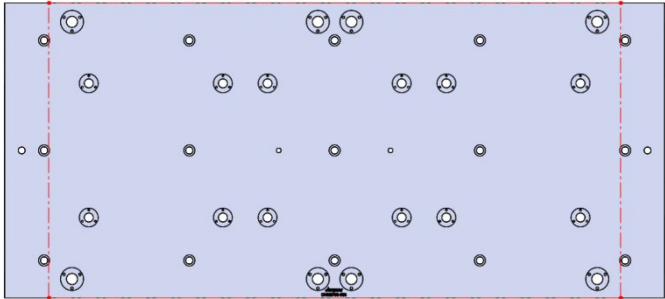
28746 Aluminum

28846 Steel

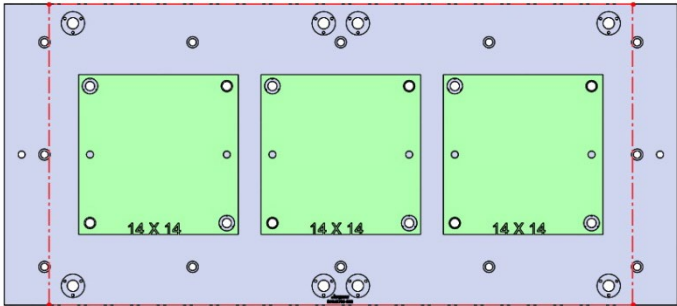
DNM6700-005



59.05 X 26.37 X 1.25

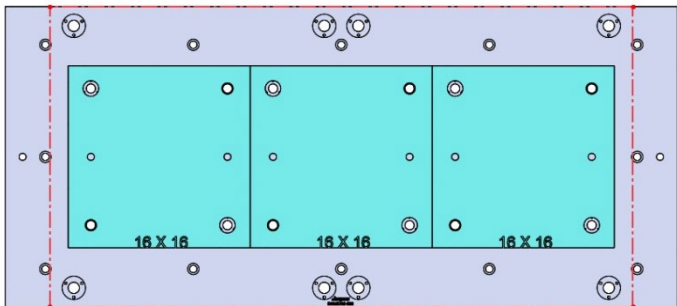


DNM6700-005



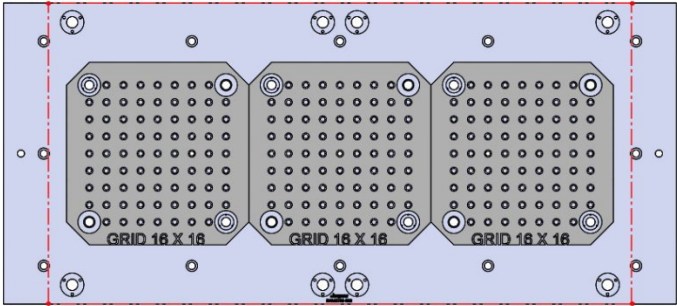
28713 Aluminum

28813 Steel

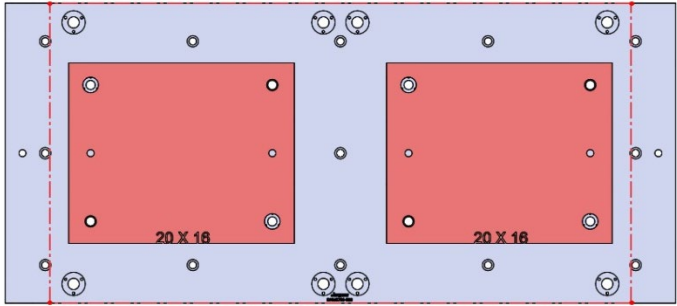


28715 Aluminum

28815 Steel



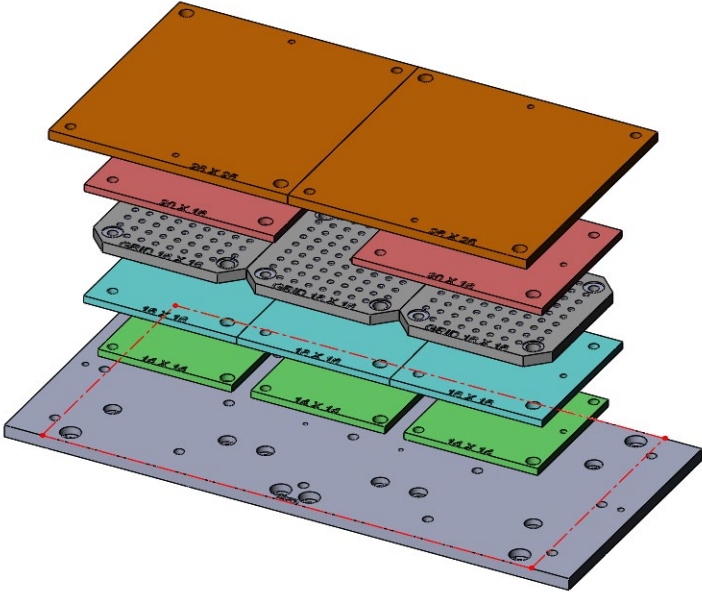
28801 Steel Grid Fixture Plate



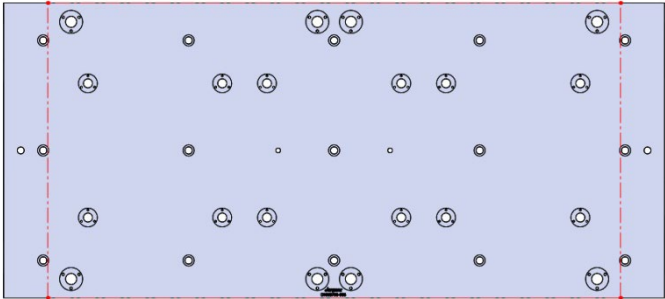
28719 Aluminum

28819 Steel

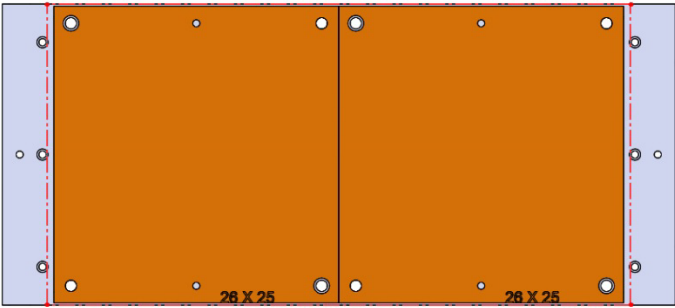
DNM6700-005 (CONTINUED)



59.05 X 26.37 X 1.25



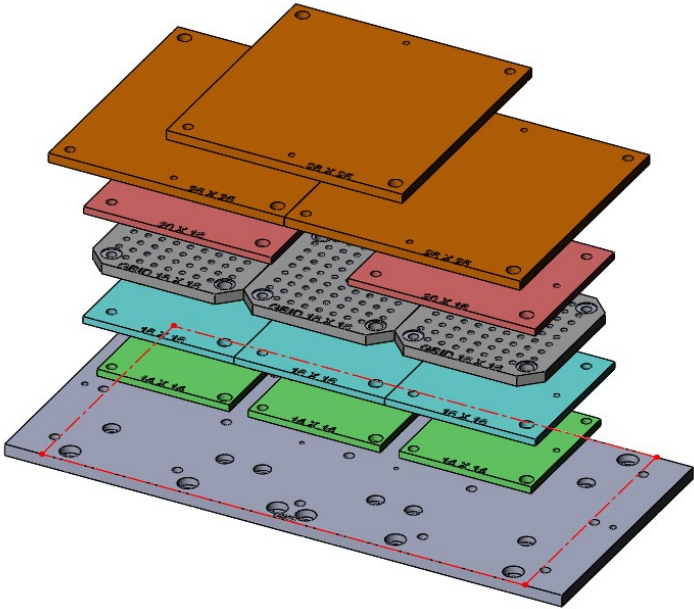
DNM6700-005



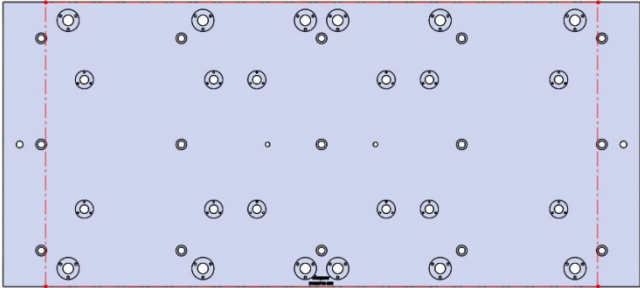
28746 Aluminum

28846 Steel

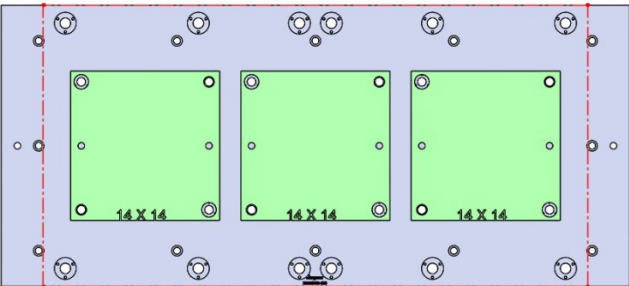
DNM6700-006



59.05 X 26.37 X 1.25

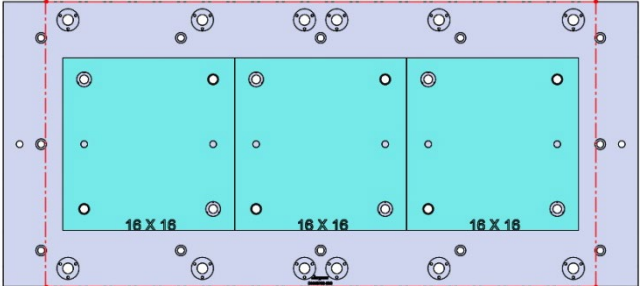


DNM6700-006



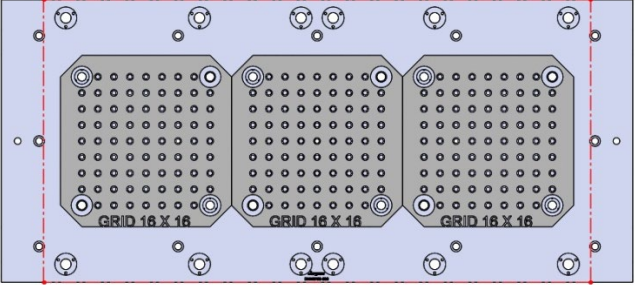
28713 Aluminum

28813 Steel

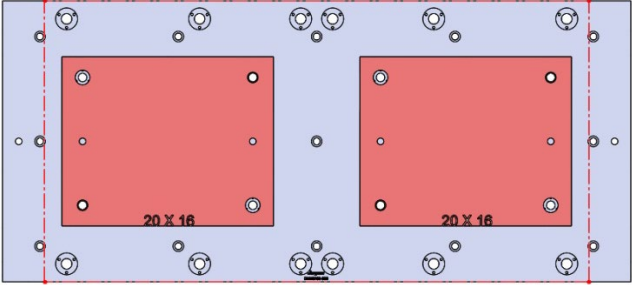


28715 Aluminum

28815 Steel



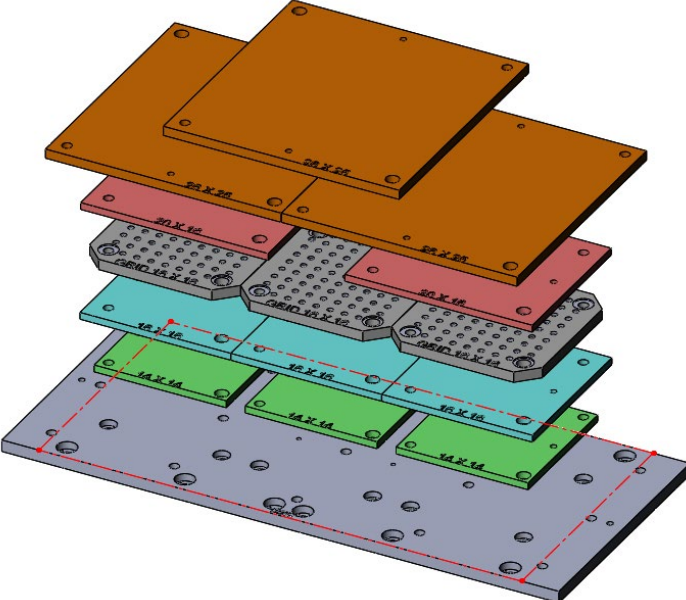
28801 Steel Grid Fixture Plate



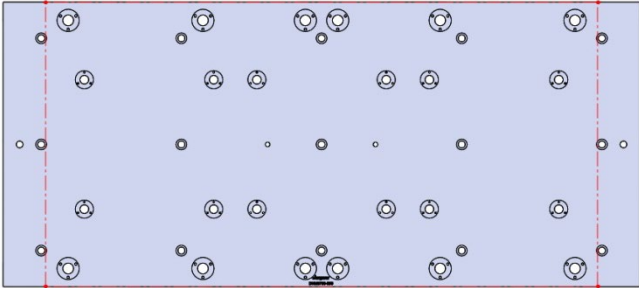
28719 Aluminum

28819 Steel

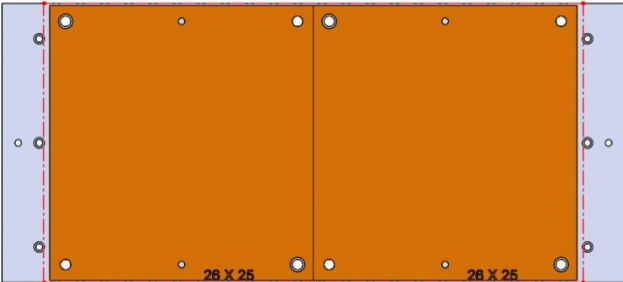
DNM6700-006 (CONTINUED)



59.05 X 26.37 X 1.25



DNM6700-006

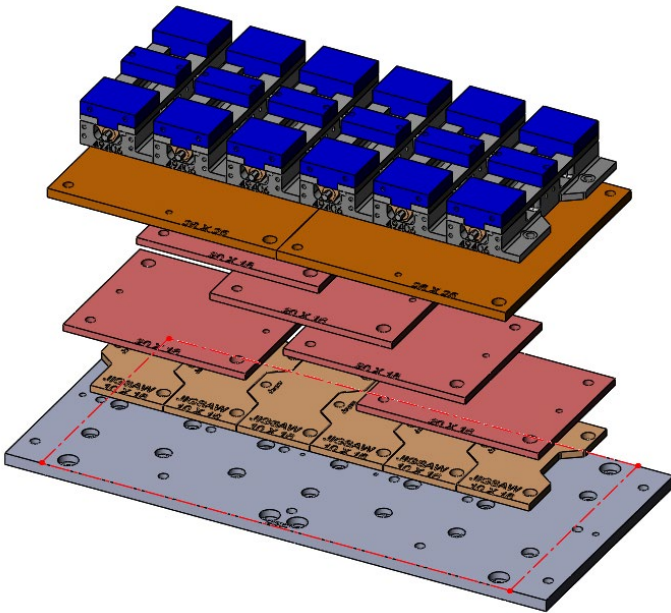


28746 Aluminum

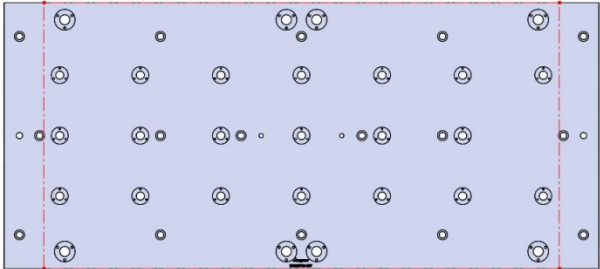
28846 Steel

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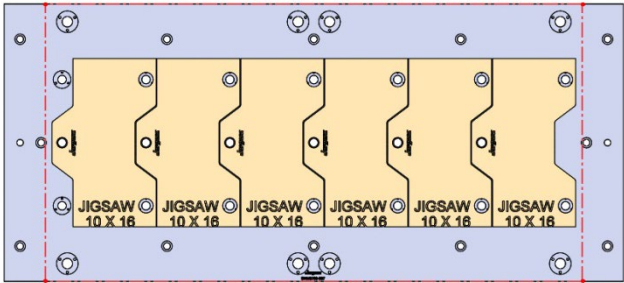
DNM6700-007



59.05 X 26.37 X 1.25

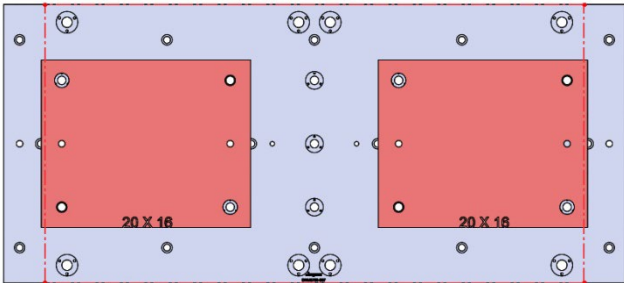


DNM6700-007



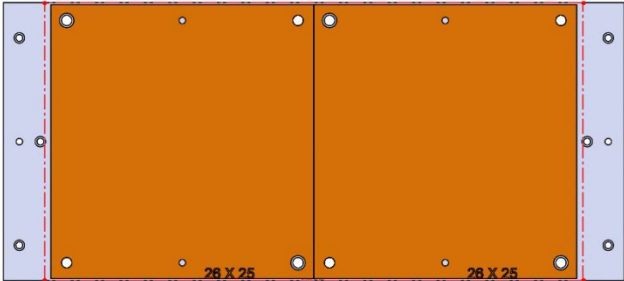
28706 Aluminum

28806 Steel



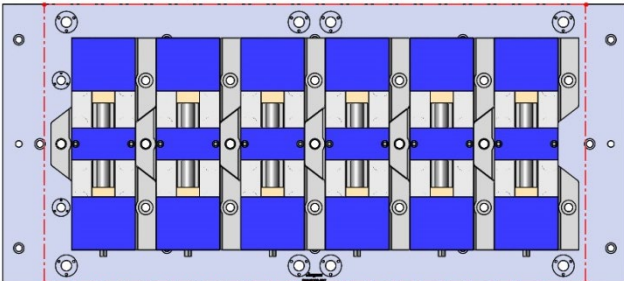
28719 Aluminum

28819 Steel



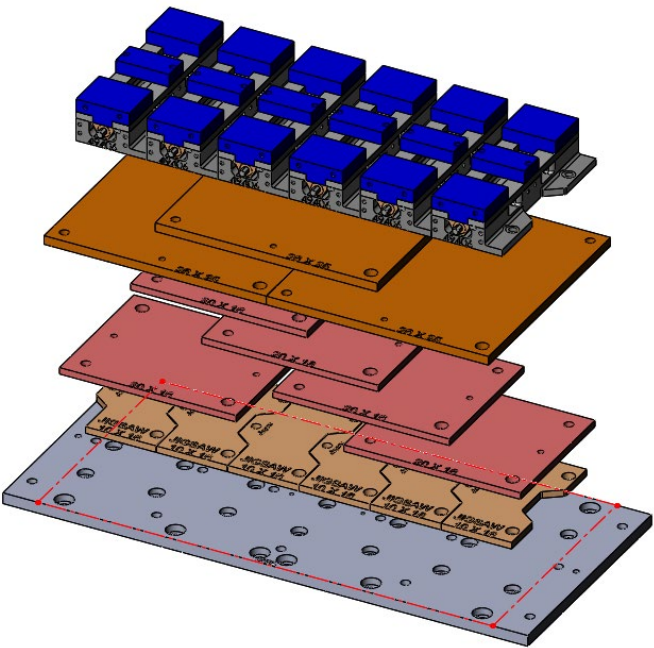
28746 Aluminum

28846 Steel

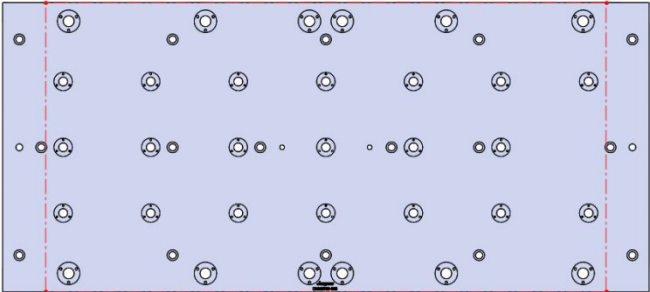


49406 6" Dual Station Production Vise

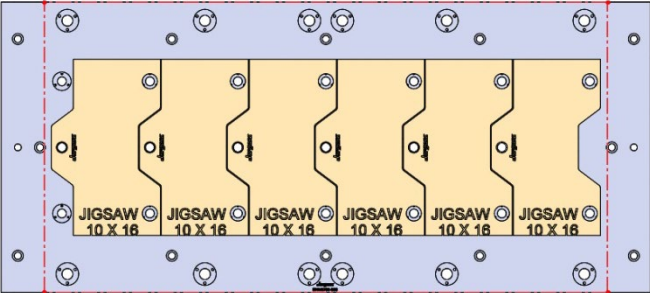
DNM6700-008



59.05 X 26.37 X 1.25

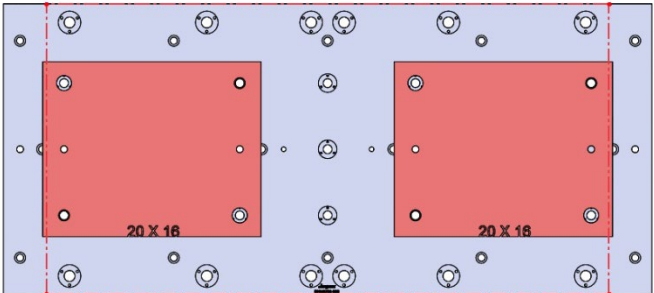


DNM6700-008



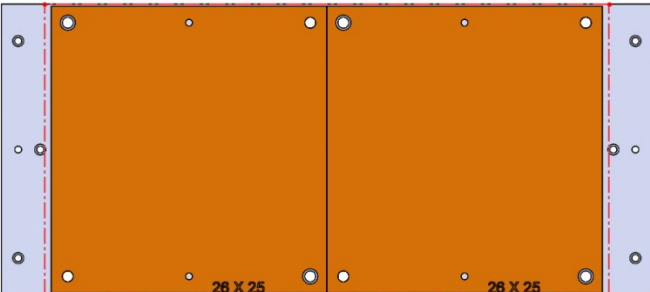
28706 Aluminum

28806 Steel



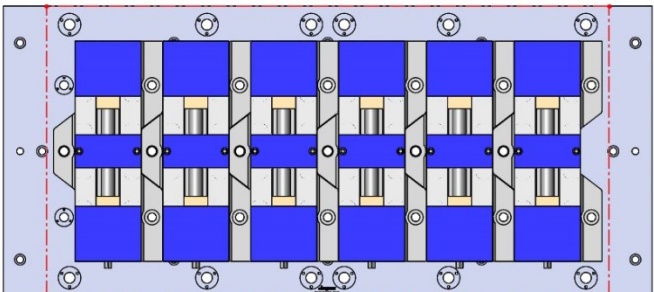
28719 Aluminum

28819 Steel



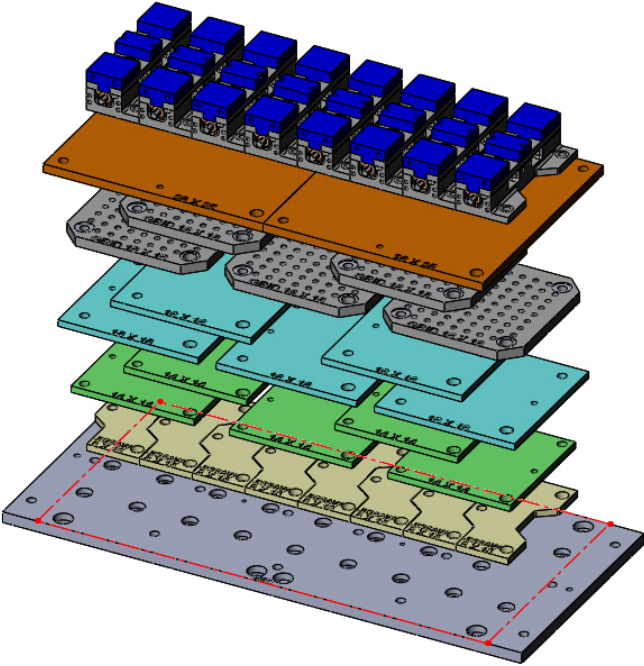
28746 Aluminum

28846 Steel

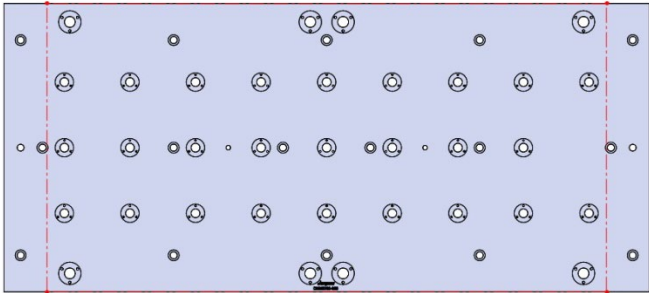


49406 6" Dual Station Production Vise

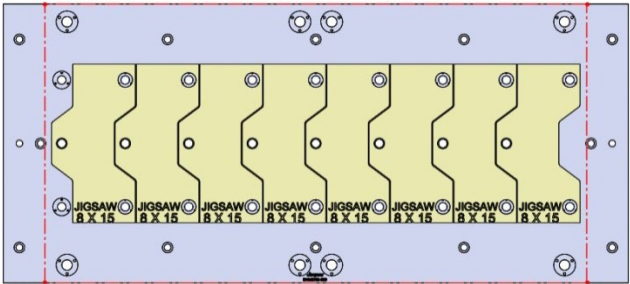
DNM6700-009



59.05 X 26.37 X 1.25

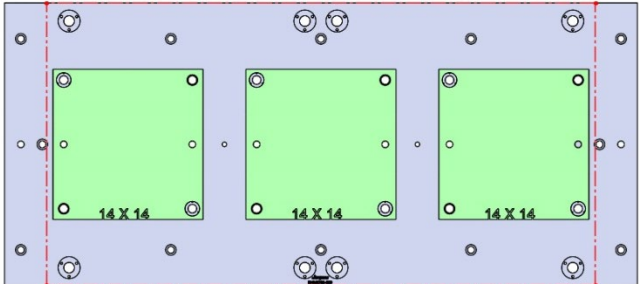


DNM6700-009



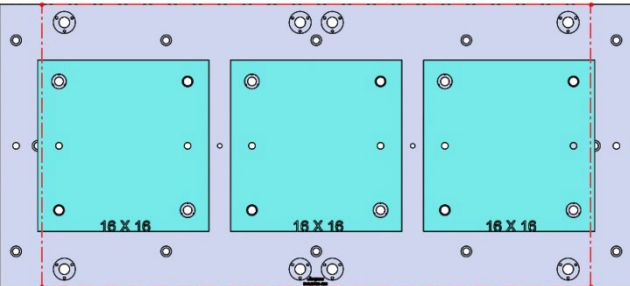
28705 Aluminum

28805 Steel



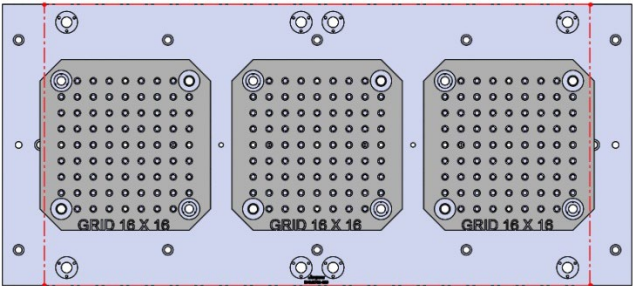
28713 Aluminum

28813 Steel



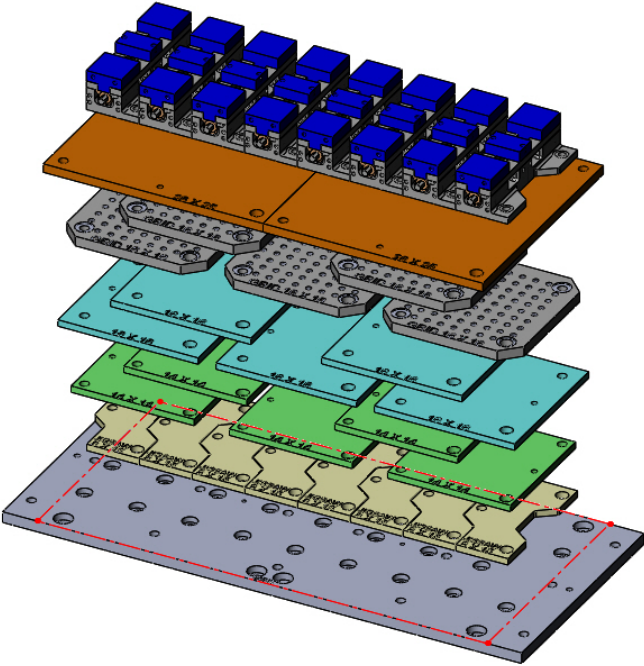
28715 Aluminum

28815 Steel

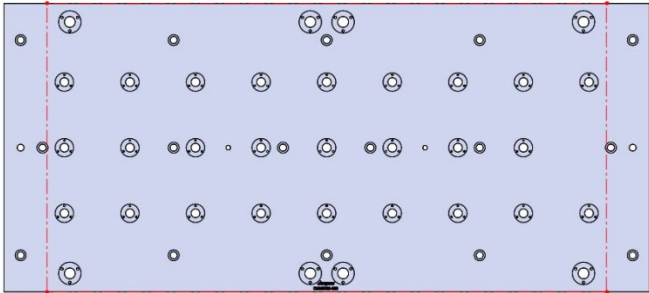


28801 Steel Grid Fixture Plate

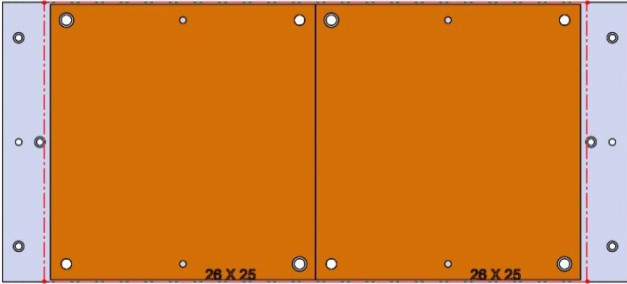
DNM6700-009 (CONTINUED)



59.05 X 26.37 X 1.25

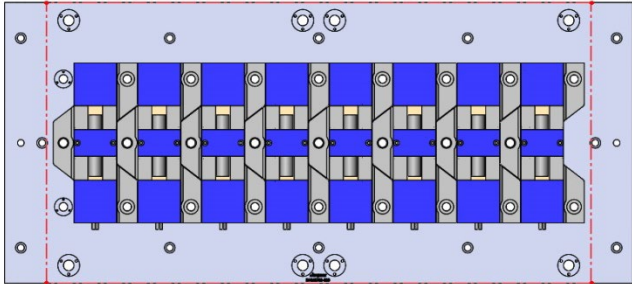


DNM6700-009



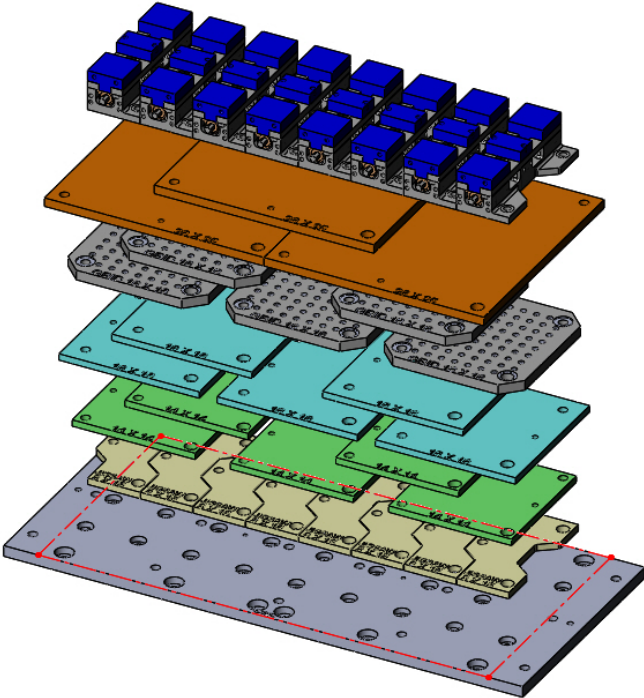
28746 Aluminum

28846 Steel

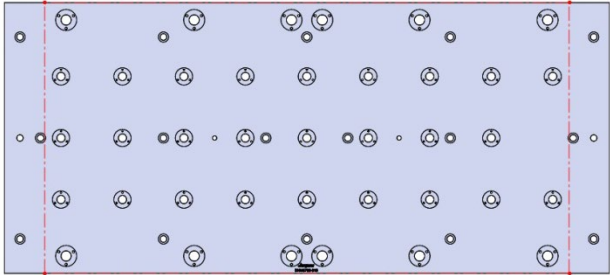


49405 4" Dual Station Production Vise

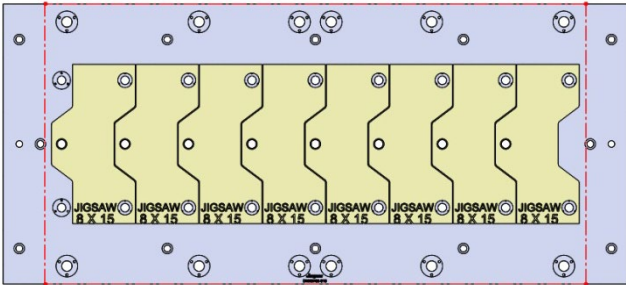
DNM6700-010



59.05 X 26.37 X 1.25

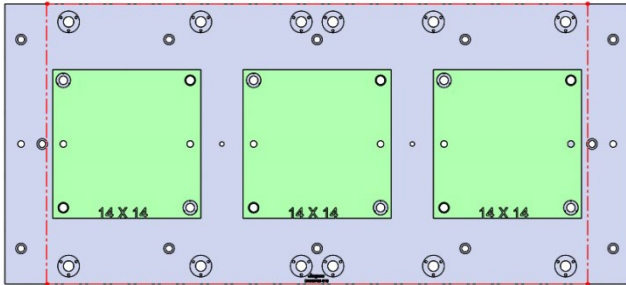


DNM6700-010



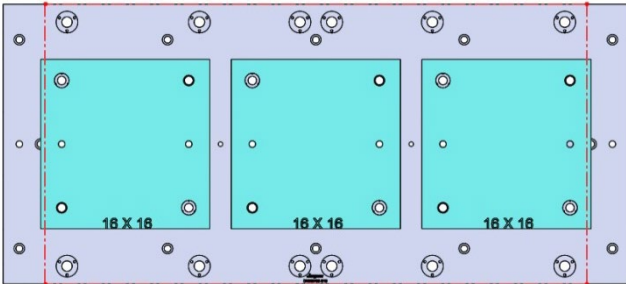
28705 Aluminum

28805 Steel



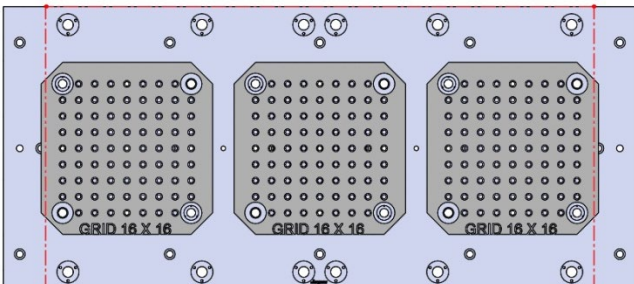
28713 Aluminum

28813 Steel



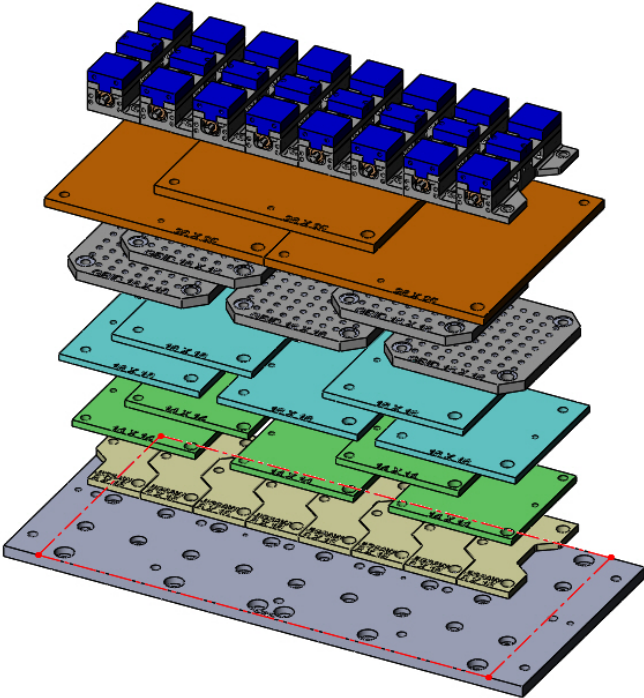
28715 Aluminum

28815 Steel

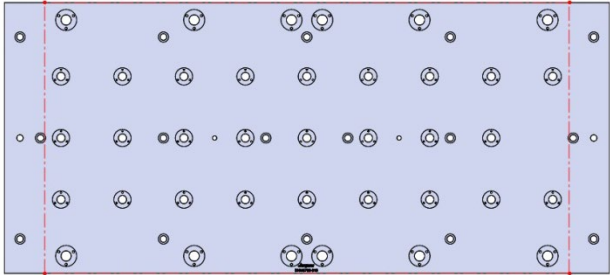


28801 Steel Grid Fixture Plate

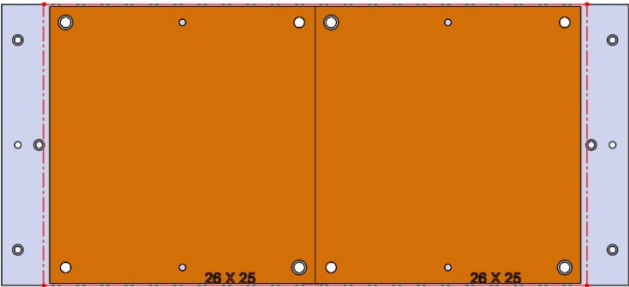
DNM6700-010 (CONTINUED)



59.05 X 26.37 X 1.25

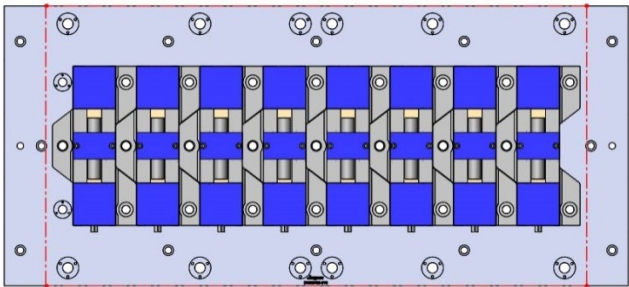


DNM6700-010



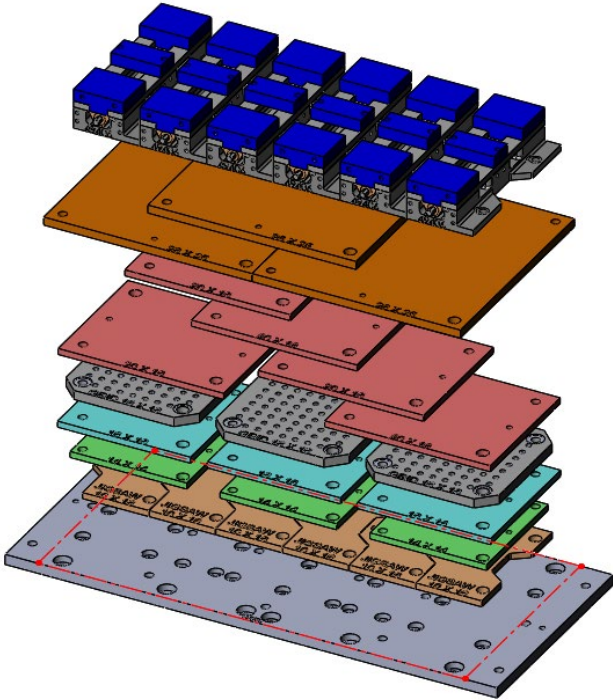
28746 Aluminum

28846 Steel

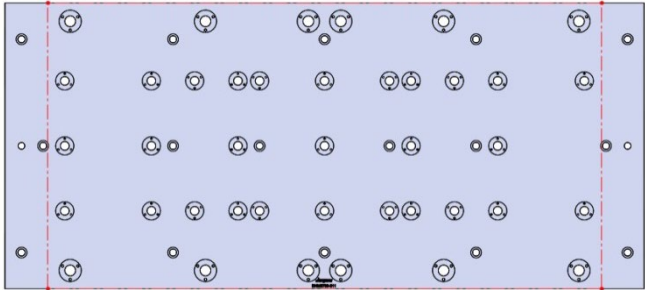


49405 4" Dual Station Production Vise

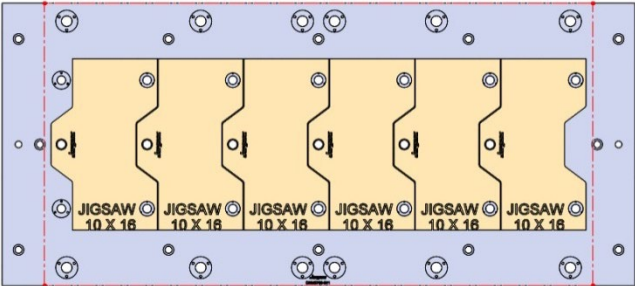
DNM6700-011



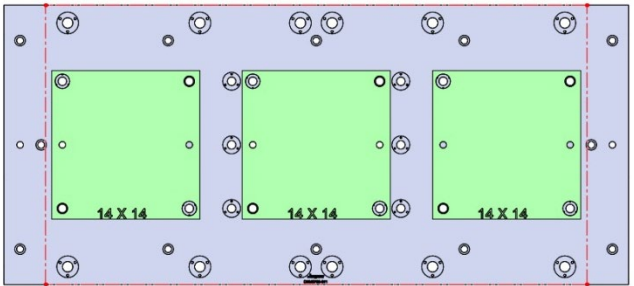
59.05 X 26.37 X 1.25



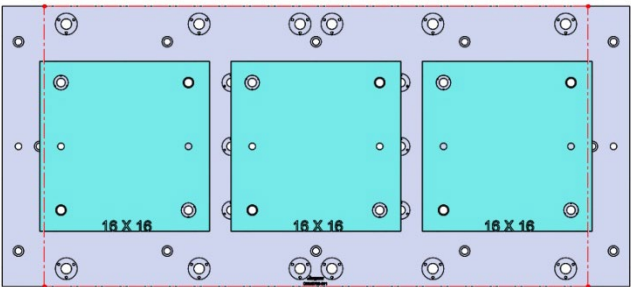
DNM6700-011



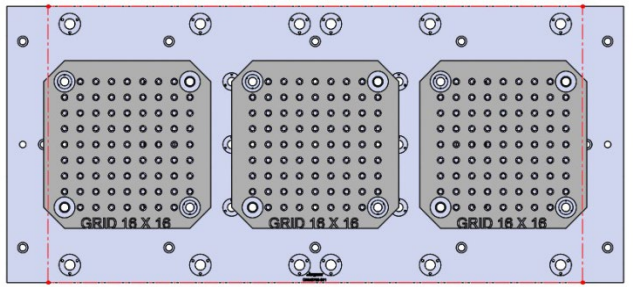
28706 Aluminum 28806 Steel



28713 Aluminum 28813 Steel

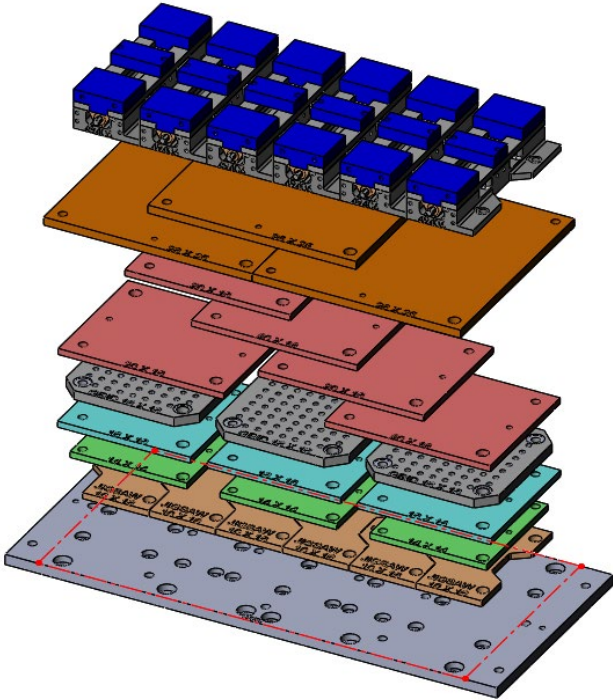


28715 Aluminum 28815 Steel

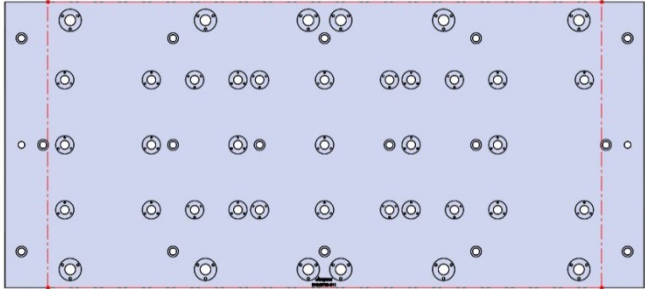


28801 Steel Grid Fixture Plate

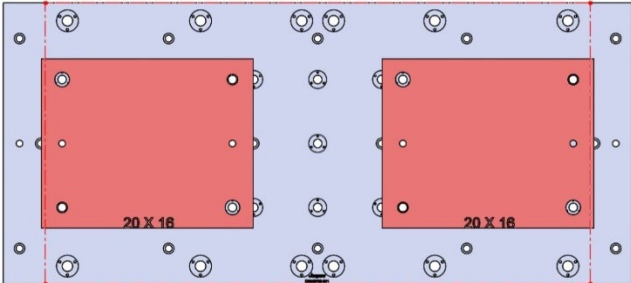
DNM6700-011 (CONTINUED)



59.05 X 26.37 X 1.25

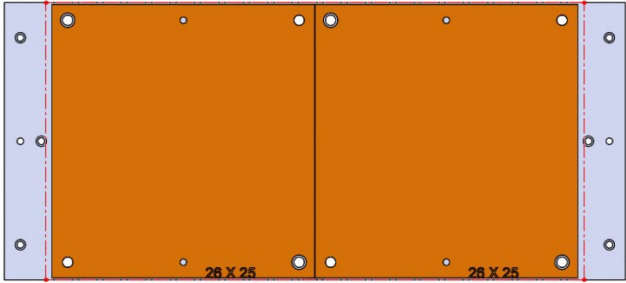


DNM6700-011



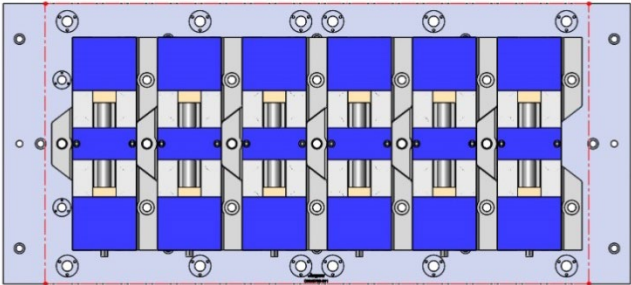
28719 Aluminum

28819 Steel



28746 Aluminum

28846 Steel



49406 6" Dual Station Production Vise

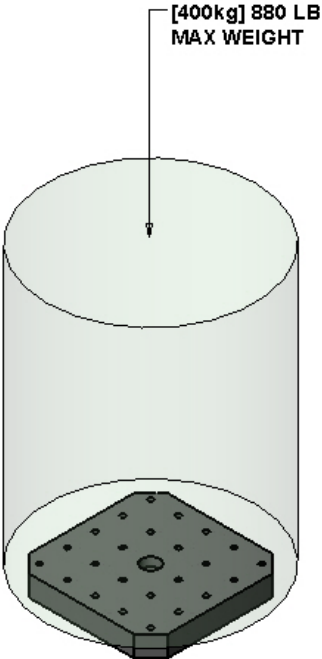
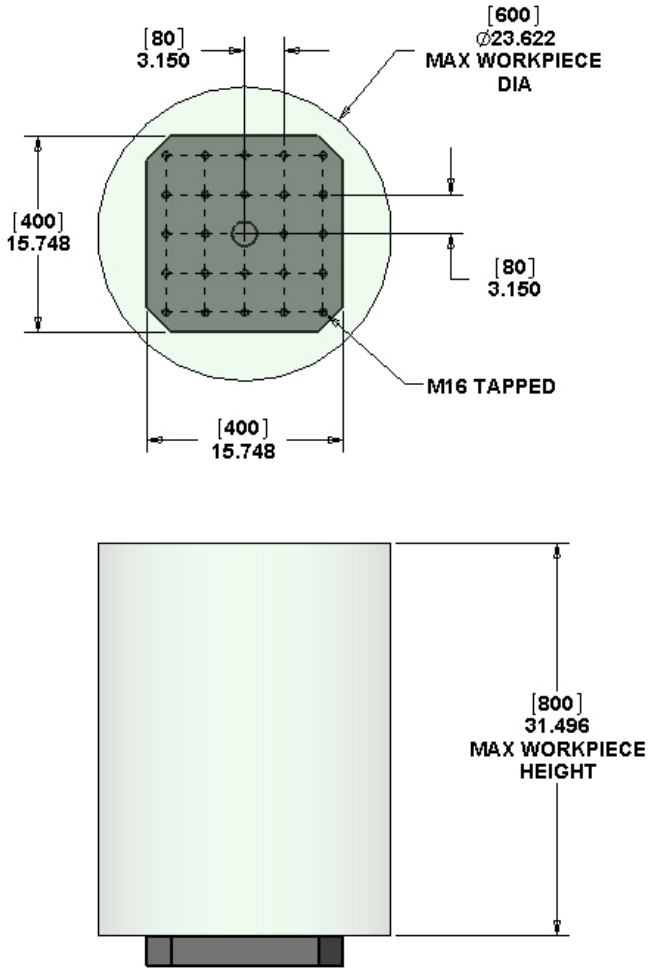
HP4000 / HC400



Table Specifications

Table Travel (X,Y,Z): 23.62" x 22.04" x 23.62"
 Table Dimensions (L x W): 15.748" x 15.748"
 Maximum Weight on Table: 880 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 3.937" (100mm)
 Max Workpiece Height: 31.496" (800mm)
 Max Workpiece Dia: 23.622" (600mm)

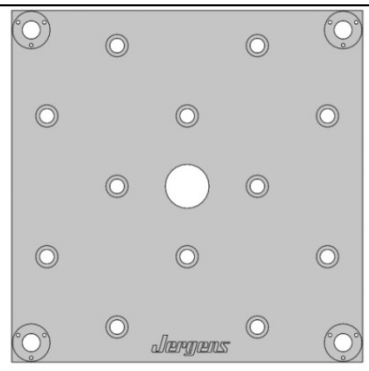
[] METRIC DIMENSIONS



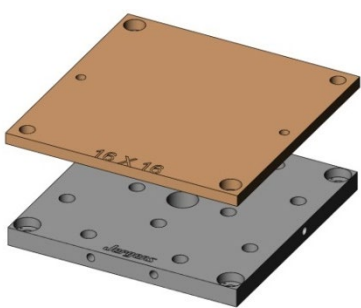
HP4000-001



15.748 X 15.748 X 1.50

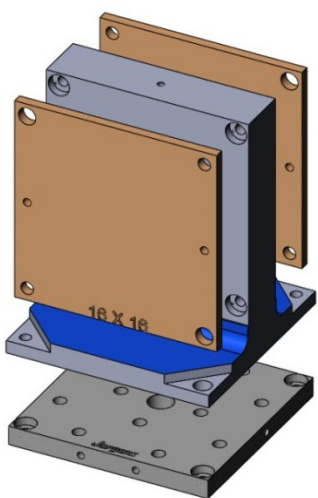


HP4000-001



28719 Aluminum

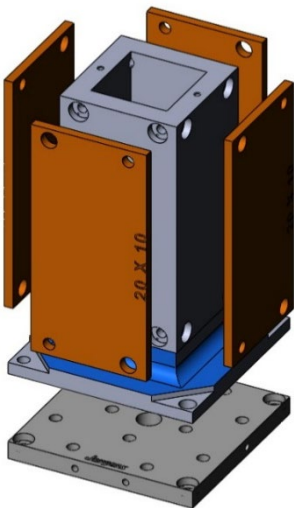
28819 Steel



69101 2-Sided Cast-Iron

28719 Aluminum

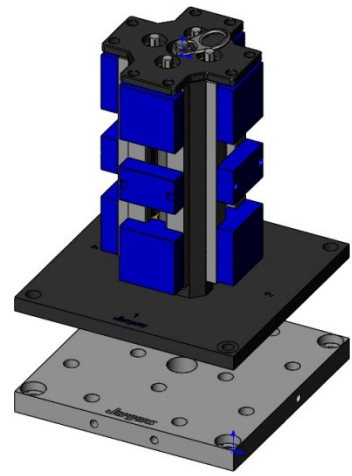
28819 Steel



69001 4-Sided Cast-Iron

28741 Aluminum

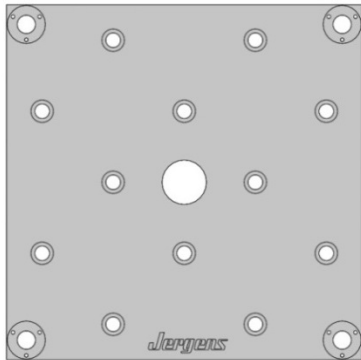
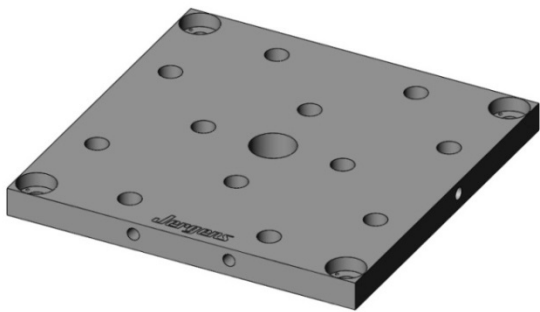
28841 Steel



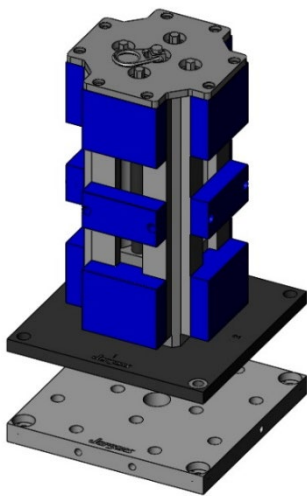
49403 4" 4-Sided Vise

HP4000-001 (CONTINUED)

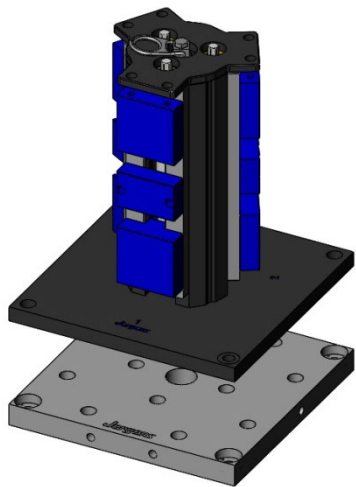
15.748 X 15.748 X 1.50



HP4000-001

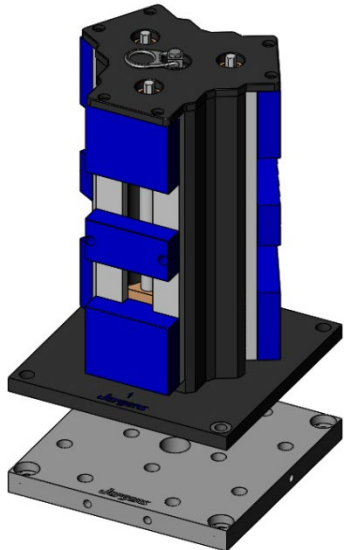


49412 6" 4-Sided Vise

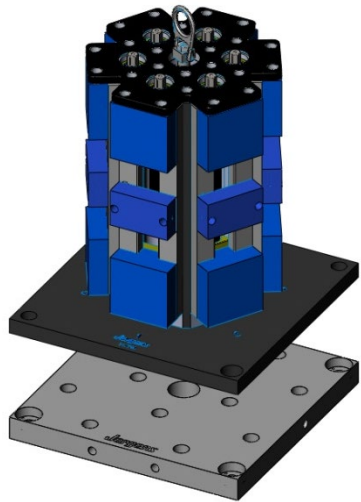


49409 4" 3-Sided Vise

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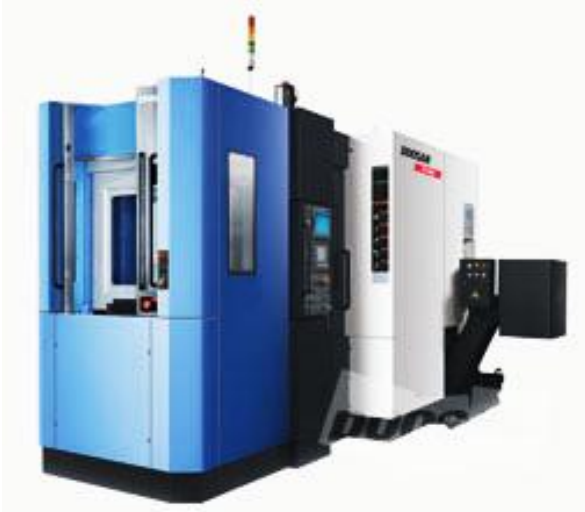


49408 6" 3-Sided Vise



49413 4" Hex Vise

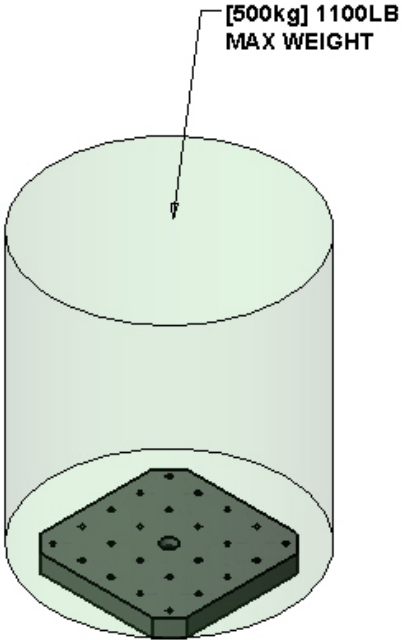
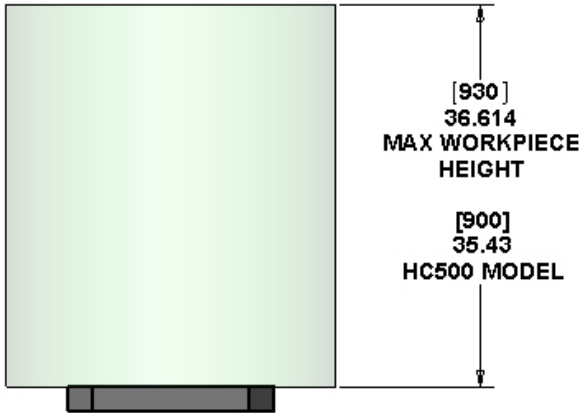
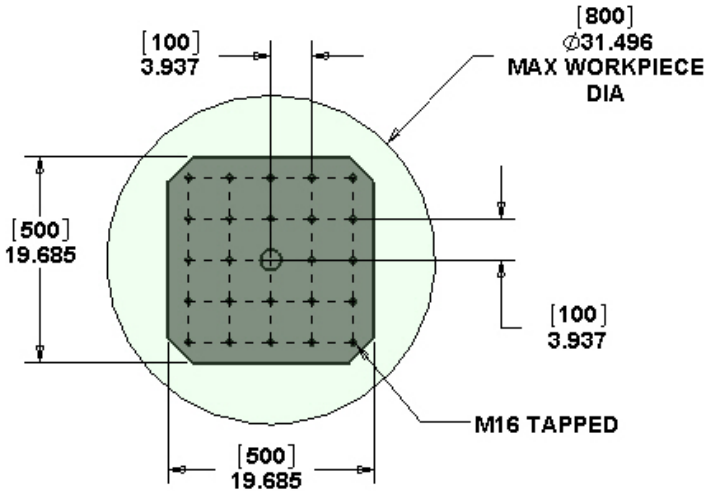
HP5100 / HC500



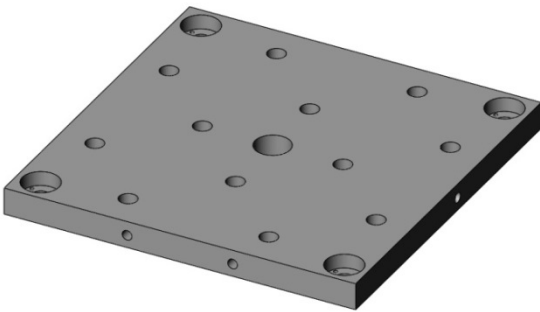
[METRIC DIMENSIONS]

Table Specifications

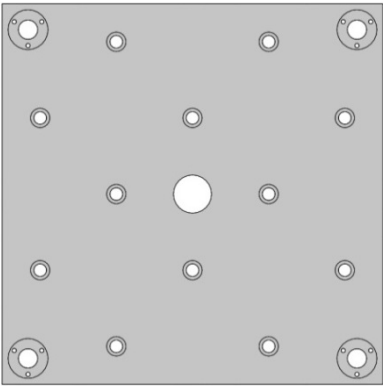
Table Travel (X,Y,Z): 33.46" x 27.55" x 29.52"
 Table Dimensions (L x W): 19.685" x 19.685"
 Maximum Weight on Table: 1100 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 3.937" (100mm)
 Max Workpiece Height: 36.614" (930mm)
 Max Workpiece Dia: 31.496" (800mm)



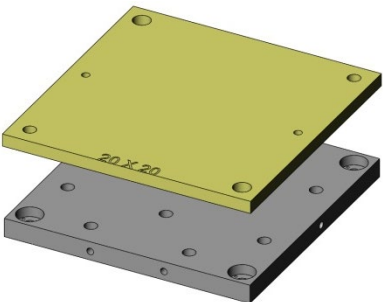
HP5100-001



19.685 X 19.685 X 1.50

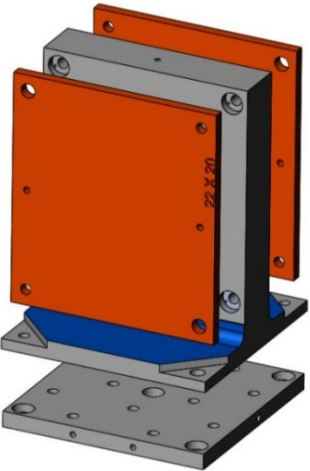


HP5100-001



28727 Aluminum

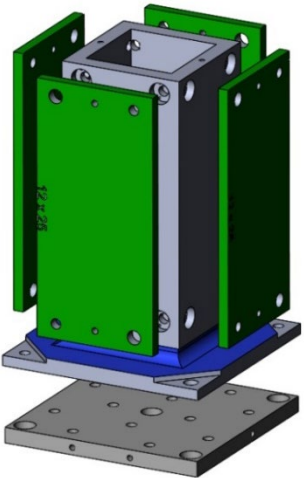
28827 Steel



28745 Aluminum

28845 Steel

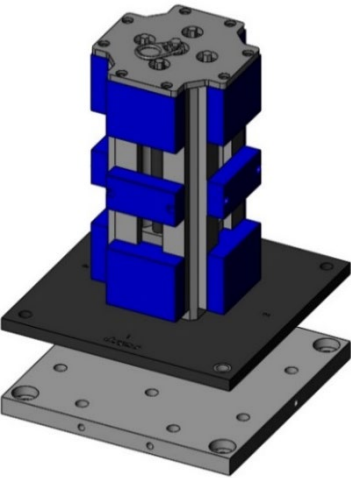
69111 2-Sided Cast-Iron



28742 Aluminum

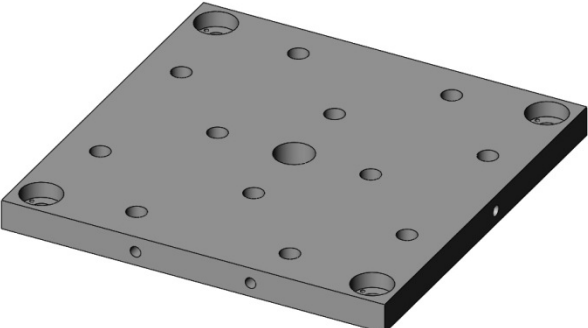
28842 Steel

69111 2-Sided Cast-Iron

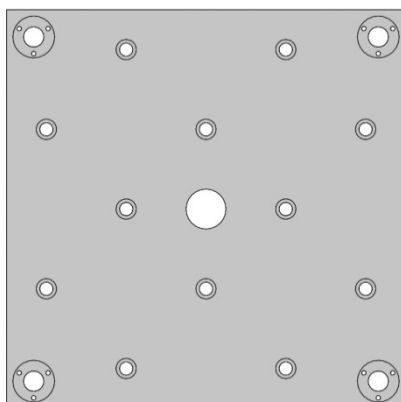


49404 6" 4-Sided Vise

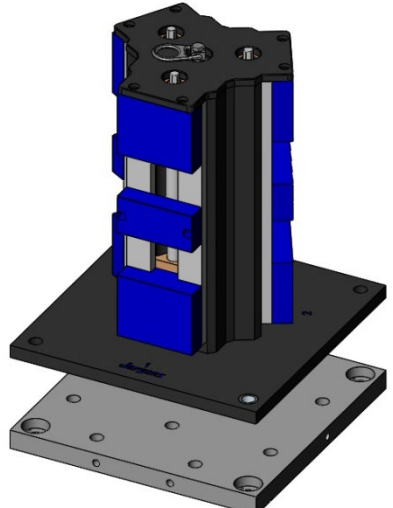
HP5100-001 (CONTINUED)



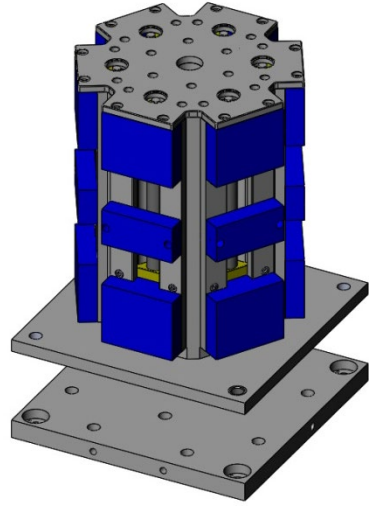
19.685 X 19.685 X 1.50



HP5100-001



49410 6" 3-Sided Vise



49414 6" 6-Sided Hex Vise

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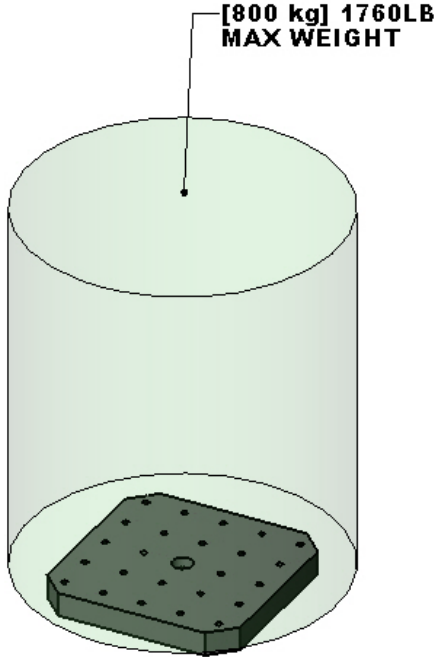
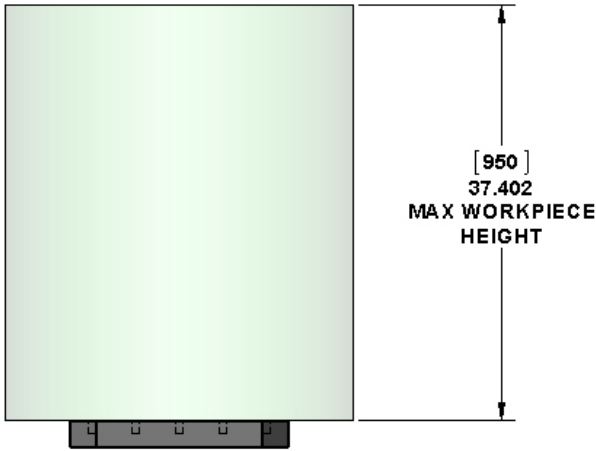
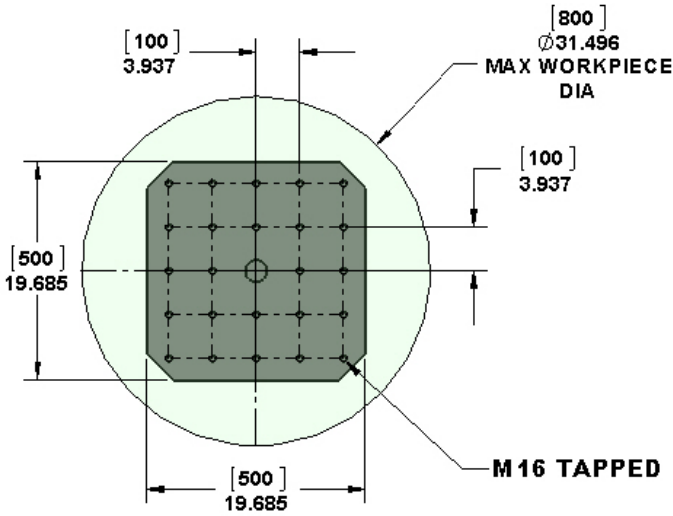
HP5500



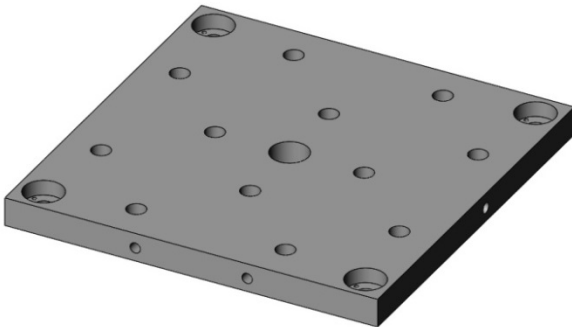
Table Specifications

Table Travel (X,Y,Z): 31.49" x 27.55" x 29.52"
 Table Dimensions (L x W): 19.685" x 19.685"
 Maximum Weight on Table: 1760 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 3.937" (100mm)
 Max Workpiece Height: 37.4" (950mm)
 Max Workpiece Dia: 31.496" (800mm)

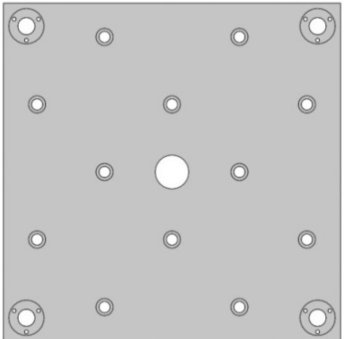
[METRIC DIMENSIONS]



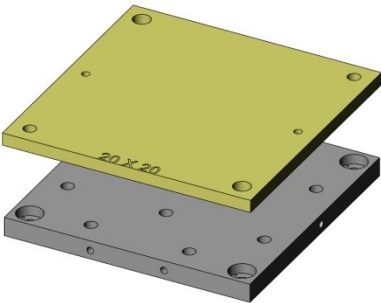
HP5500-001



19.685 X 19.685 X 1.50

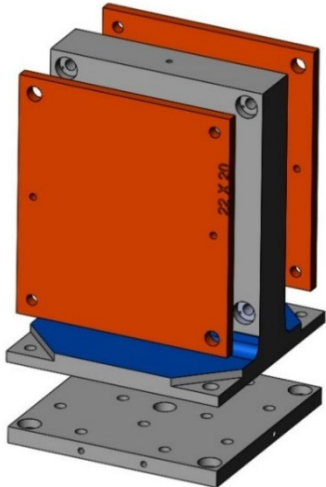


HP5500-001



28727 Aluminum

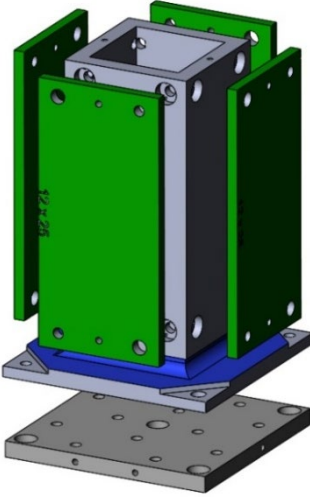
28827 Steel



69111 2-Sided Cast-Iron

28745 Aluminum

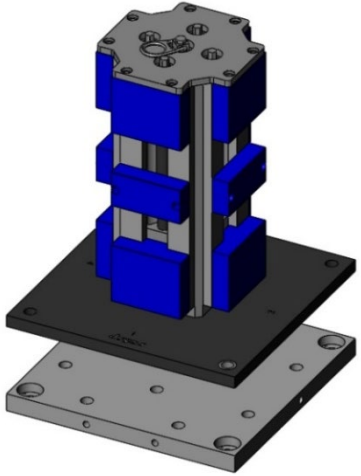
28845 Steel



69111 2-Sided Cast-Iron

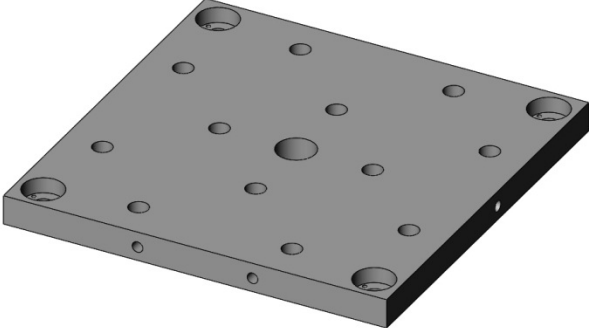
28742 Aluminum

28842 Steel

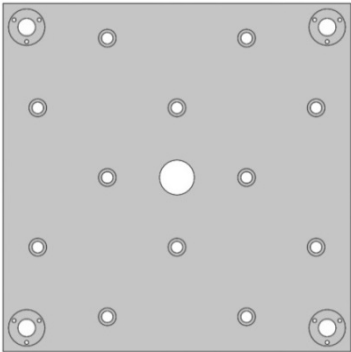


49404 6" 4-Sided Vise

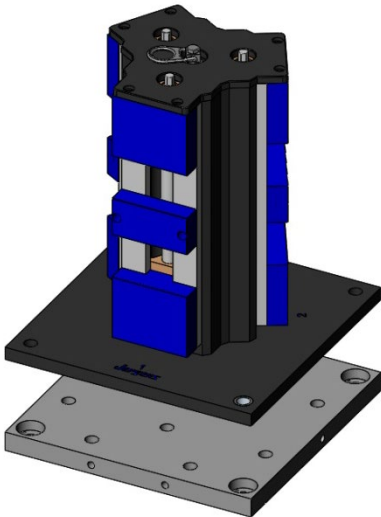
HP5500-001 (CONTINUED)



19.685 X 19.685 X 1.50

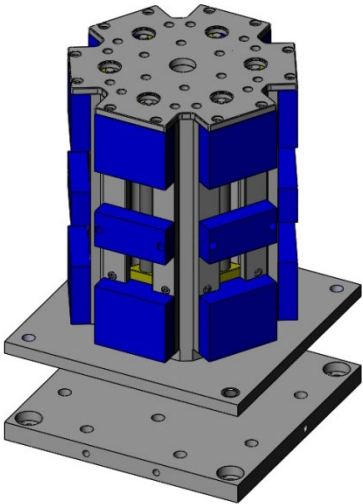


HP5500-001



49410 6" 3-Sided Vise

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49414 6" 6-Sided Hex Vise

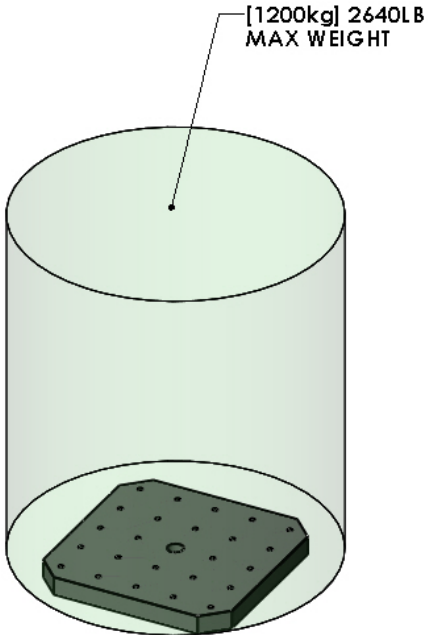
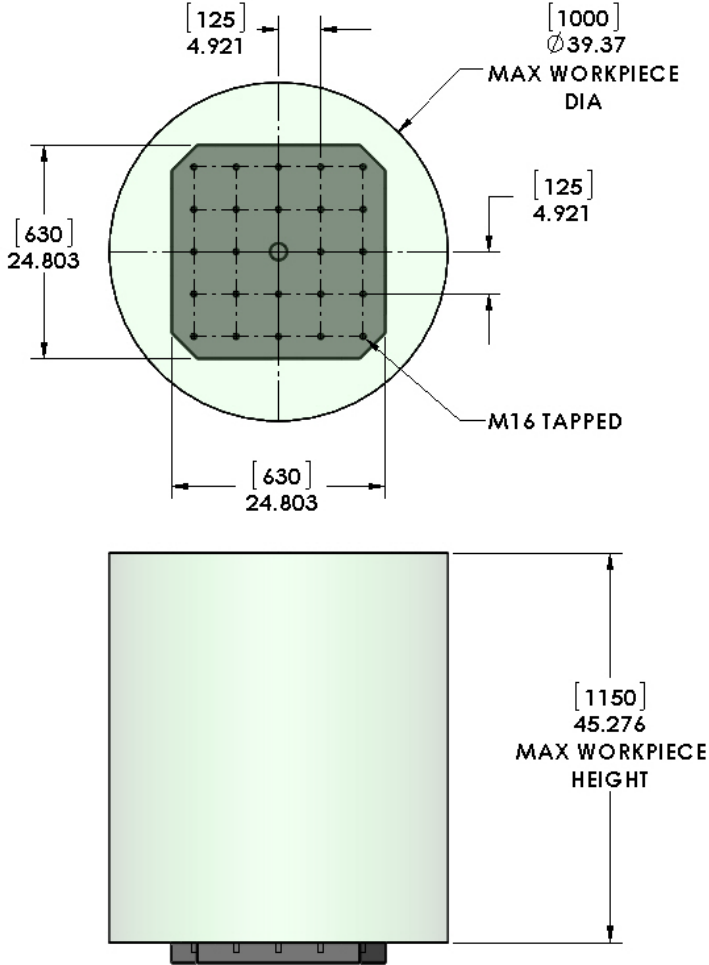
HP6300



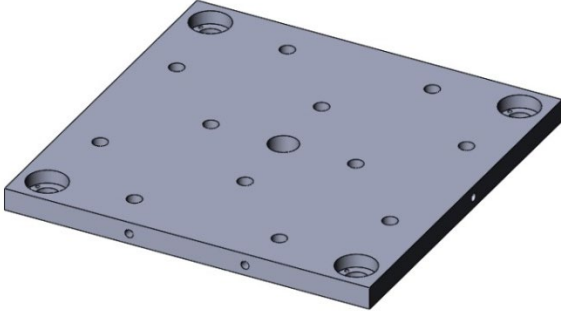
Table Specifications

Table Travel (X,Y,Z): 39.37" x 33.46" x 33.46"
 Table Dimensions (L x W): 24.803" x 24.803"
 Maximum Weight on Table: 2640 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 4.921" (125mm)
 Max Workpiece Height: 39.37" (1000mm)
 Max Workpiece Dia: 39.37" (1000mm)

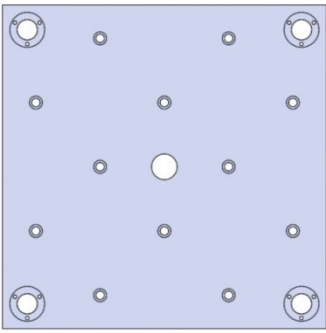
[METRIC DIMENSIONS]



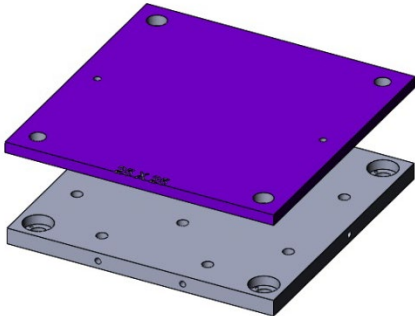
HP6300-001



24.803 X 24.803 X 1.50

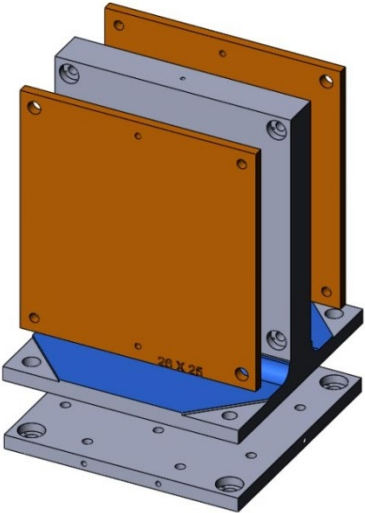


HP6300-001



28732 Aluminum

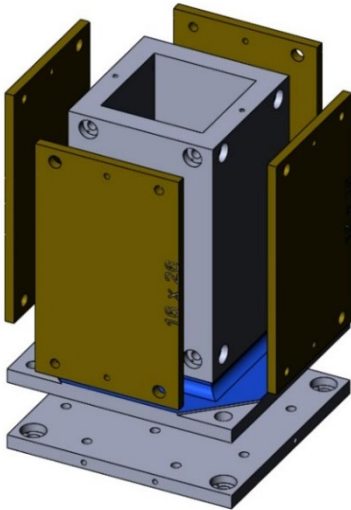
28832 Steel



69121 2-Sided Cast-Iron

28746 Aluminum

28846 Steel



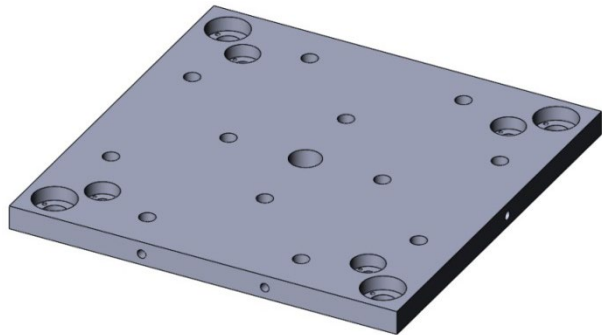
69021 4-Sided Cast-Iron

28743 Aluminum

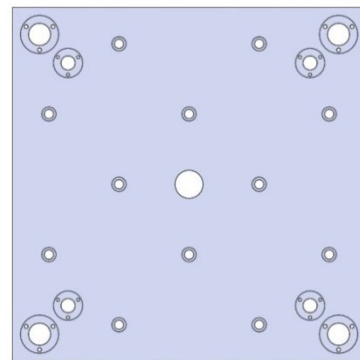
28843 Steel

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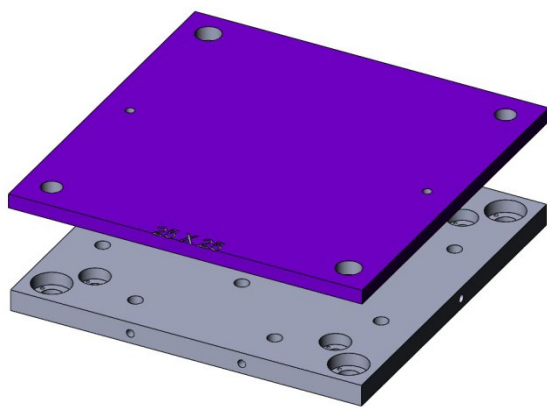
HP6300-002



24.803 X 24.803 X 1.50

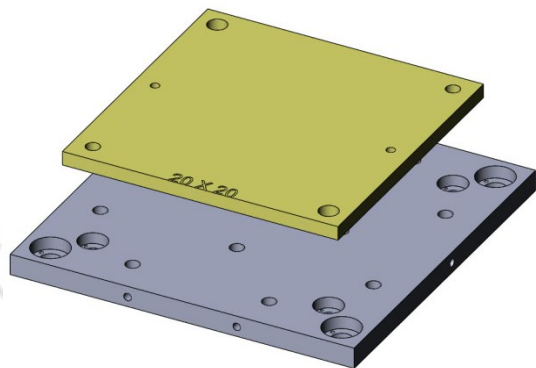


HP6300-002



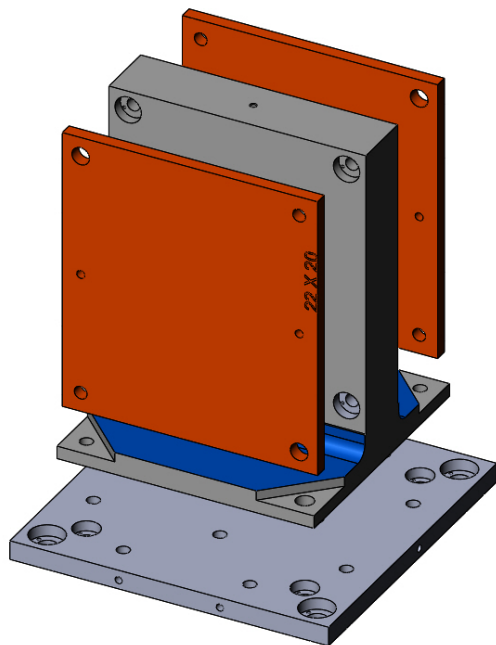
28732 Aluminum

28832 Steel



28727 Aluminum

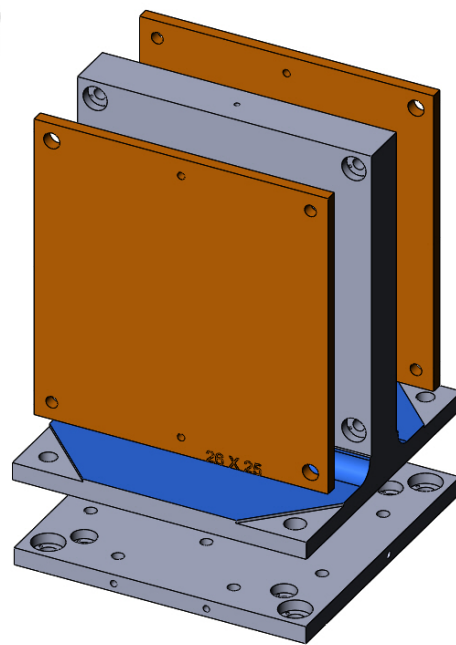
28827 Steel



69111 2-Sided Cast-Iron

28745 Aluminum

28845 Steel

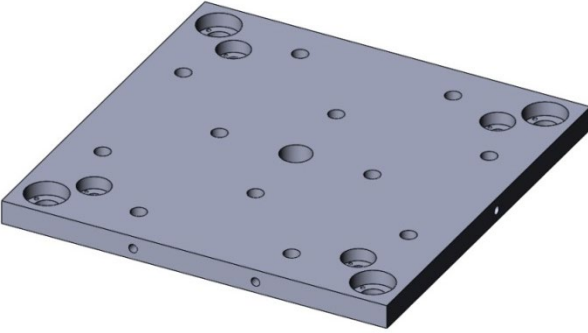


69121 2-Sided Cast-Iron

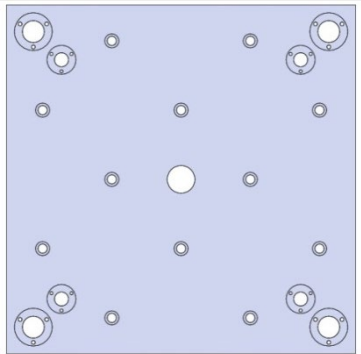
28746 Aluminum

28846 Steel

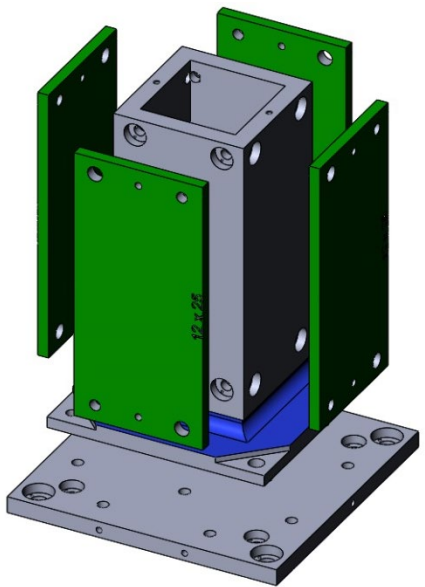
HP6300-002 (CONTINUED)



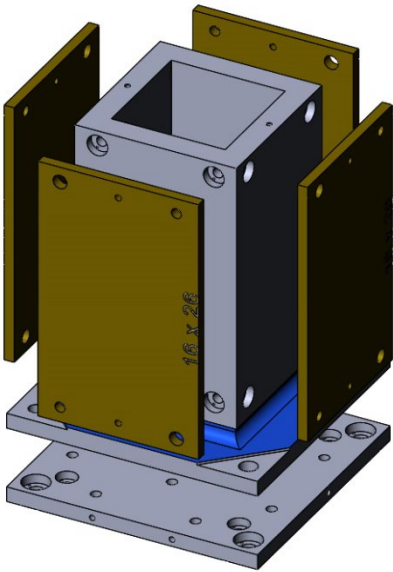
24.803 X 24.803 X 1.50



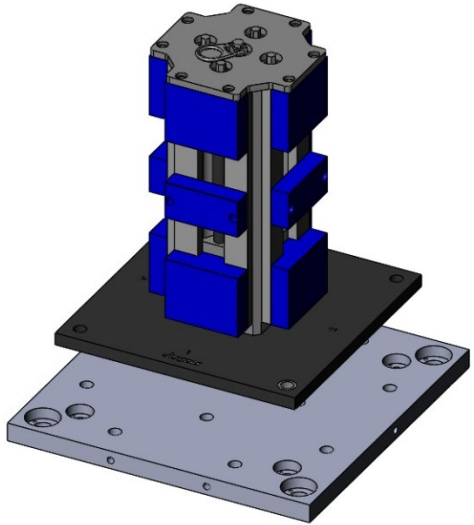
HP6300-002



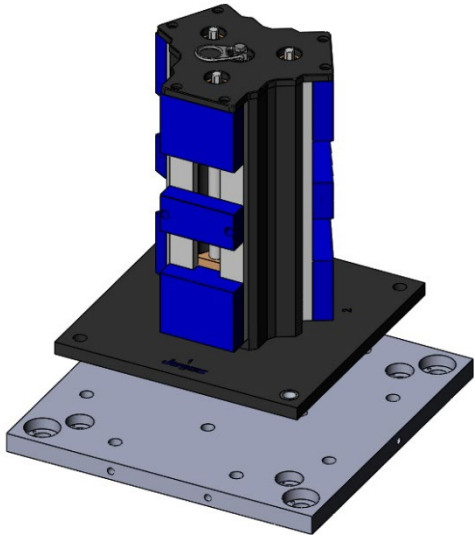
69111 2-Sided Cast-Iron
28742 Aluminum 28842 Steel



69021 4-Sided Cast-Iron
28743 Aluminum 28843 Steel

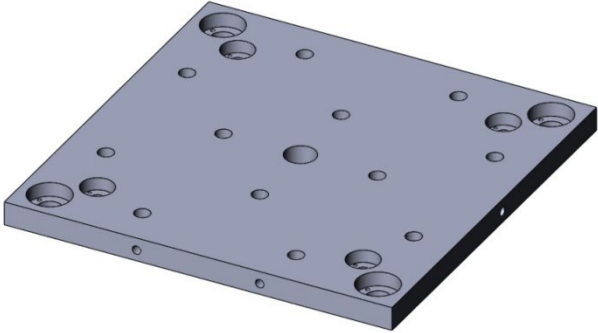


49404 6" 4-Sided Vise

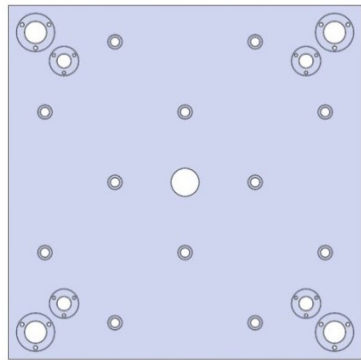


49410 6" 3-Sided Vise

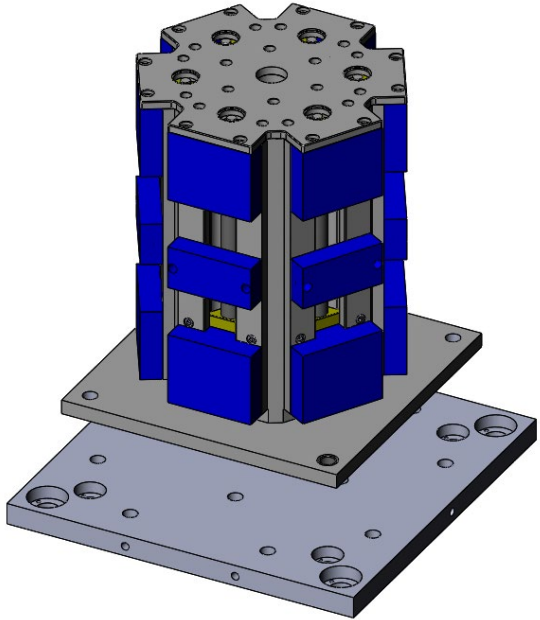
HP6300-002 (CONTINUED)



24.803 X 24.803 X 1.50



HP6300-002



49414 6" 6-Sided Hex Vise

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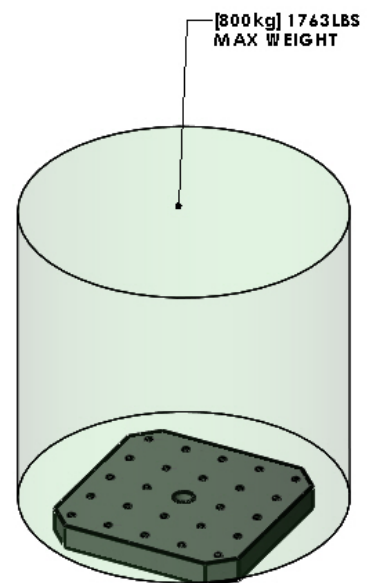
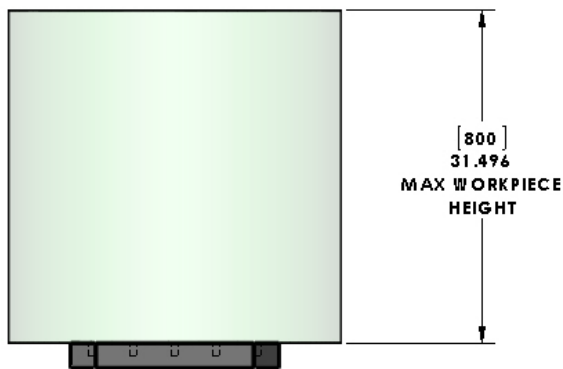
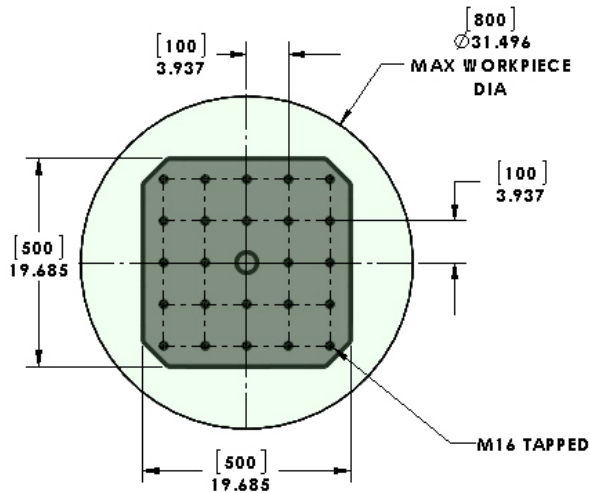
HM5000



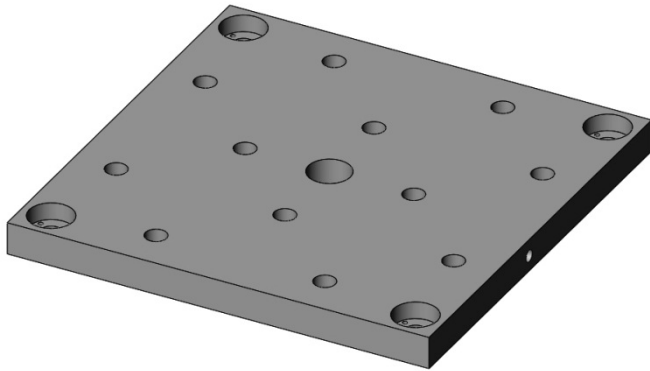
Table Specifications

Table Travel (X,Y,Z): 31.49" x 25.59" x 25.59"
 Table Dimensions (L x W): 19.685" x 19.685"
 Maximum Weight on Table: 1763 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 3.937" (100mm)
 Max Workpiece Height: 31.496" (800mm)
 Max Workpiece Dia: 31.496" (800mm)

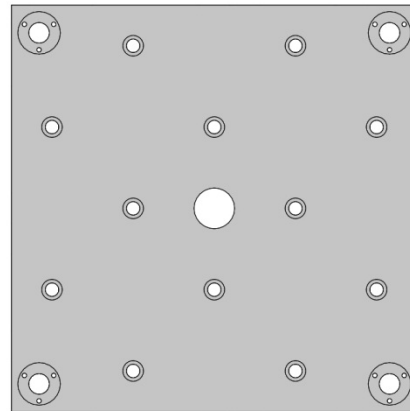
[METRIC DIMENSIONS]



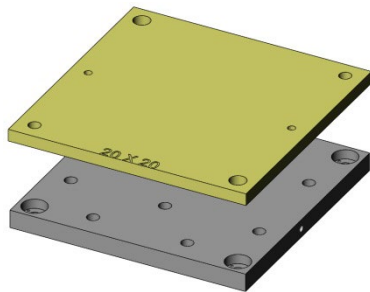
HM5000-001



19.685 X 19.685 X 1.50

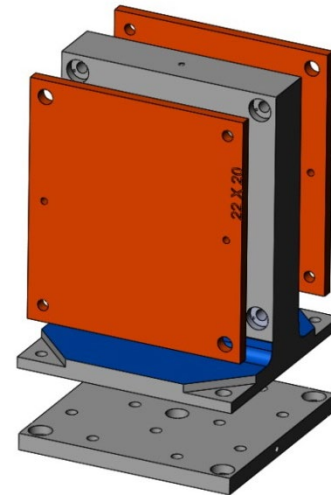


HM5000-001



28727 Aluminum

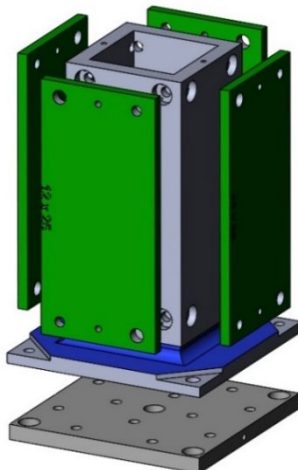
28827 Steel



69111 2-Sided Cast-Iron

28745 Aluminum

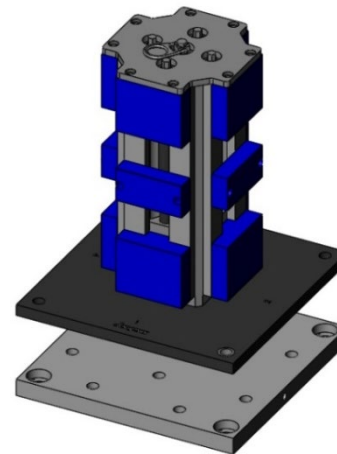
28845 Steel



69111 2-Sided Cast-Iron

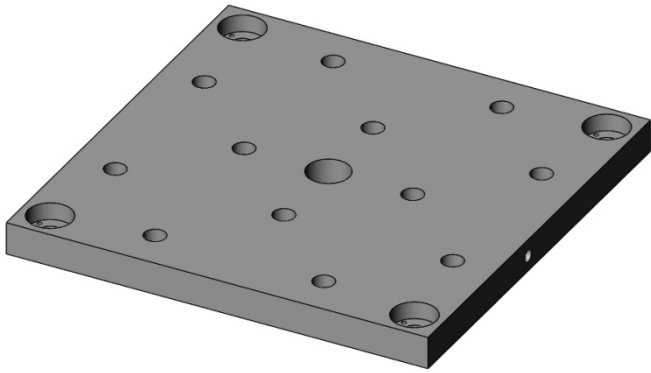
28742 Aluminum

28842 Steel

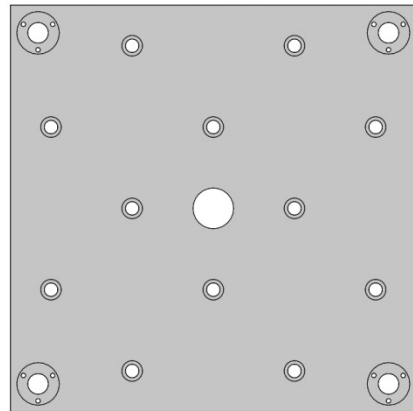


49404 6" 4-Sided Vise

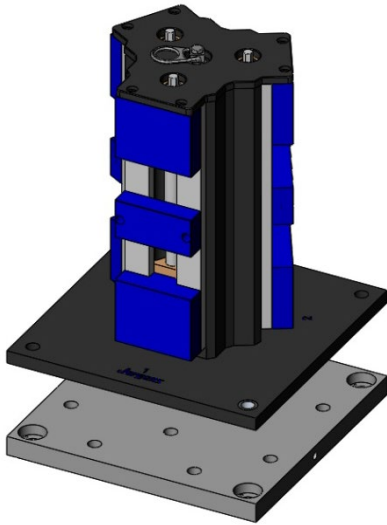
HM5000-001 (CONTINUED)



19.685 X 19.685 X 1.50

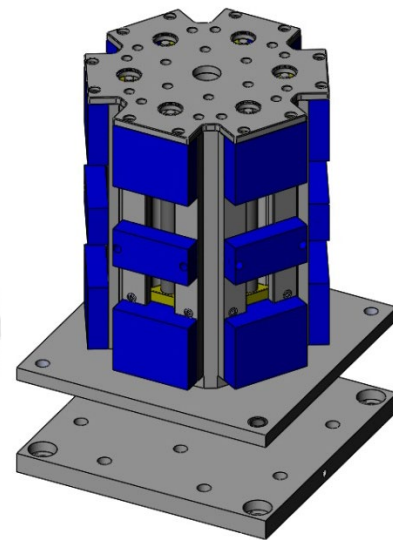


HM5000-001



49410 6" 3-Sided Vise

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49414 6" 6-Sided Hex Vise

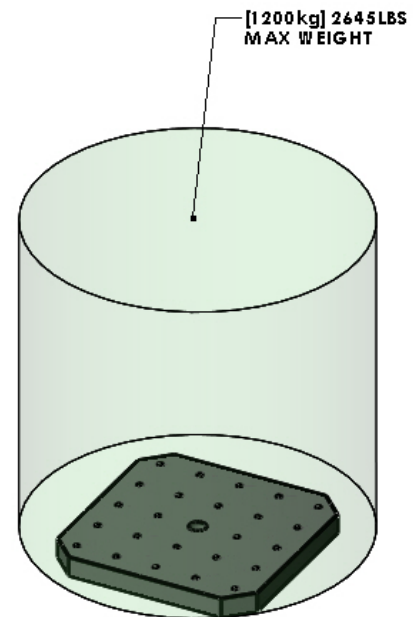
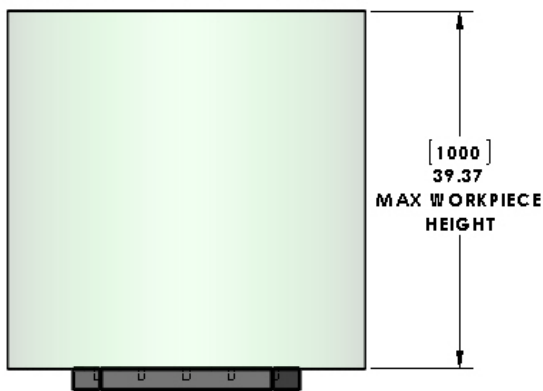
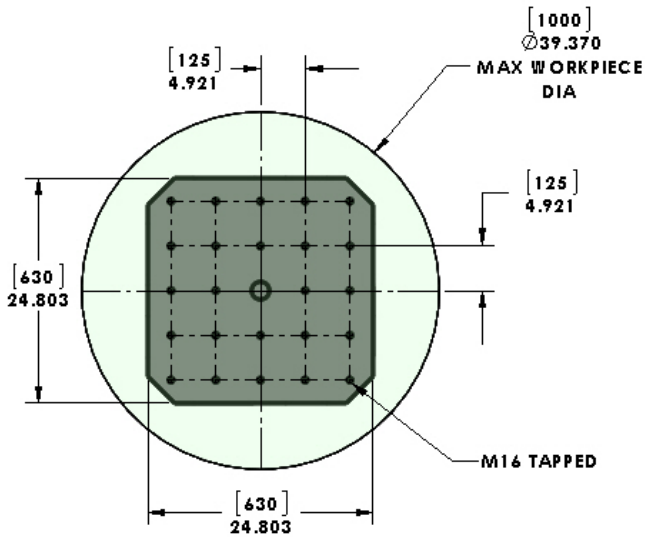
HM6300



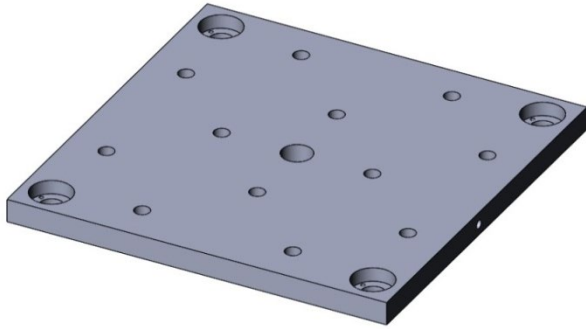
Table Specifications

Table Travel (X,Y,Z): 39.37" x 31.49" x 33.46"
 Table Dimensions (L x W): 24.803" x 24.803"
 Maximum Weight on Table: 2645 lbs
 Tapped Hole Size: M16
 Tapped Hole Spacing 4.921" (125mm)
 Max Workpiece Height: 39.37" (1000mm)
 Max Workpiece Dia: 39.37" (1000mm)

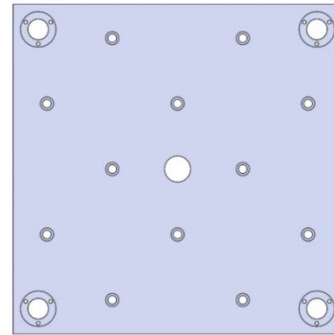
[METRIC DIMENSIONS]



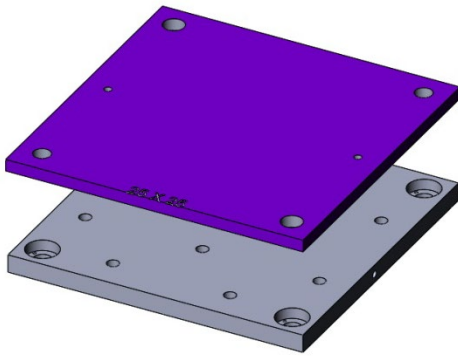
HM6300-001



24.803 X 24.803 X 1.50

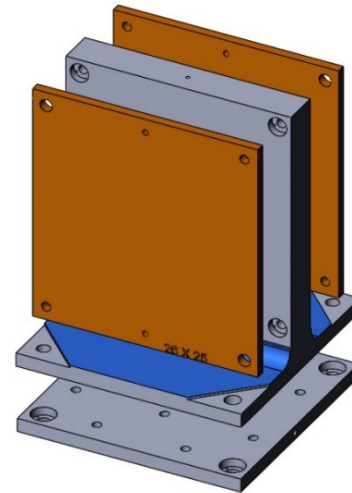


HM6300-001



28732 Aluminum

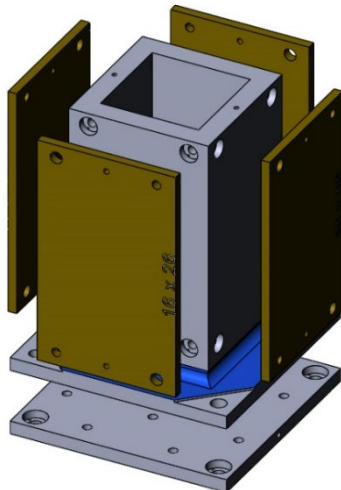
28832 Steel



69121 2-Sided Cast-Iron

28746 Aluminum

28846 Steel



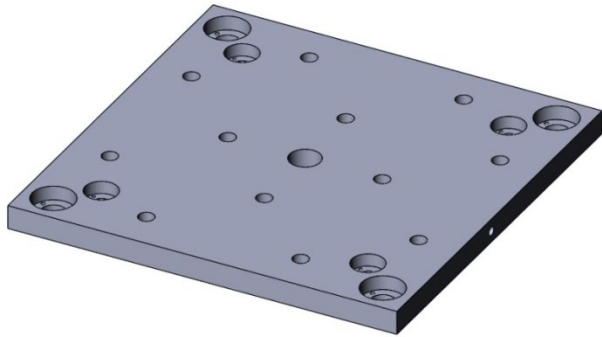
69021 4-Sided Cast-Iron

28743 Aluminum

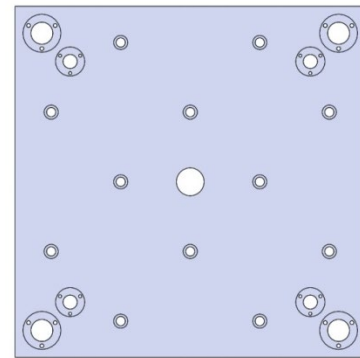
28843 Steel

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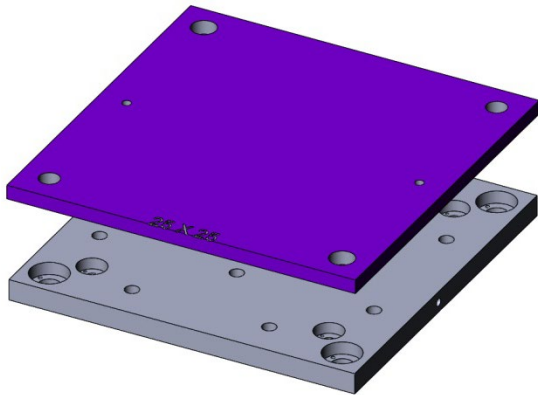
HM6300-002



24.803 X 24.803 X 1.50

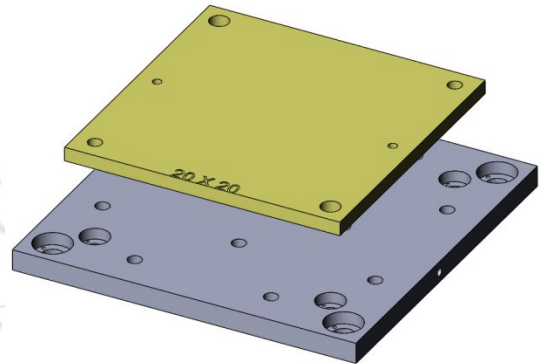


HM6300-002



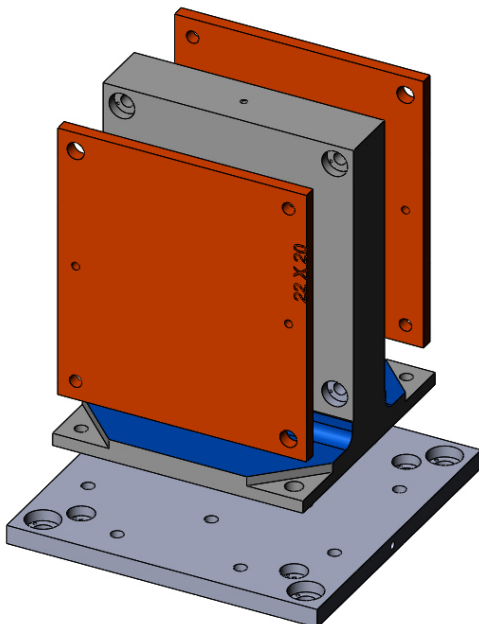
28732 Aluminum

28832 Steel



28727 Aluminum

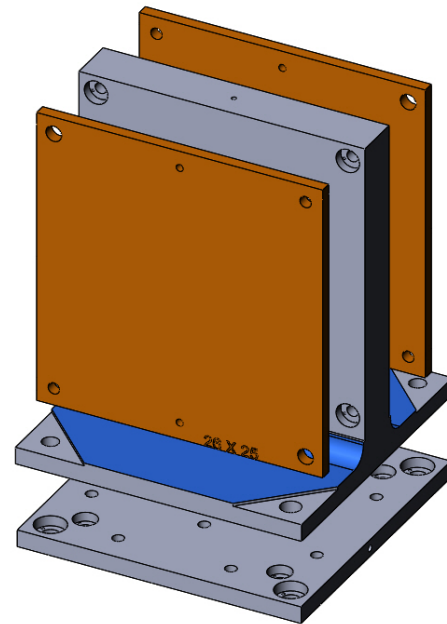
28827 Steel



69111 2-Sided Cast-Iron

28745 Aluminum

28845 Steel



69121 2-Sided Cast-Iron

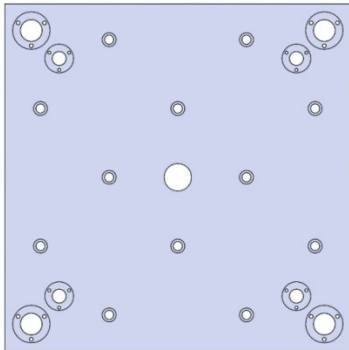
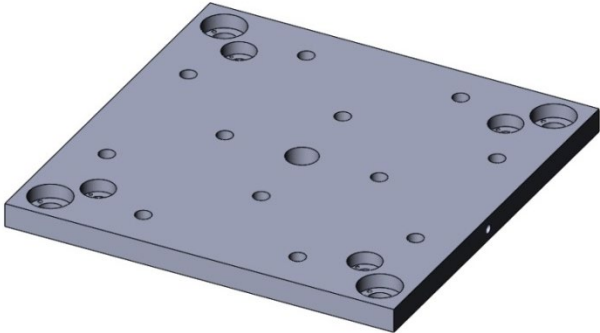
28746 Aluminum

28846 Steel

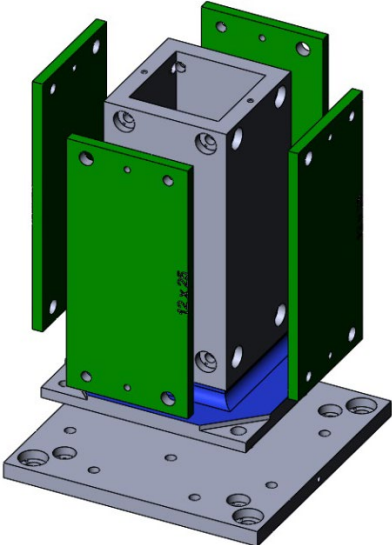
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Jergens

HM6300-002 (CONTINUED)

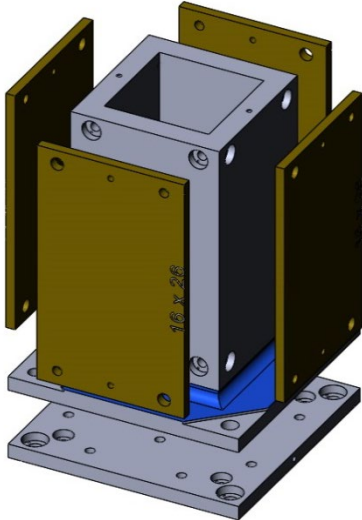
24.803 X 24.803 X 1.50



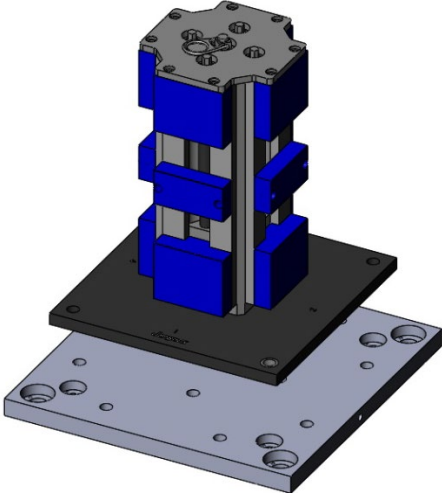
HM6300-002



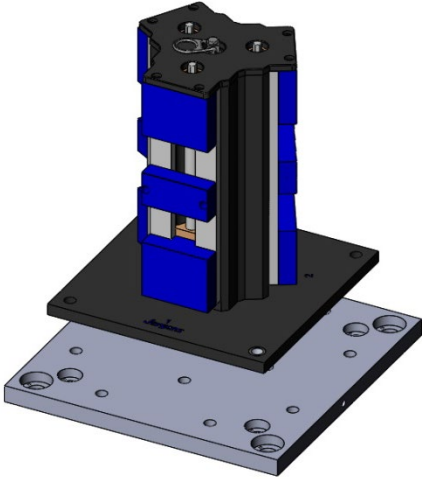
69111 2-Sided Cast-Iron
28742 Aluminum 28842 Steel



69021 4-Sided Cast-Iron
28743 Aluminum 28843 Steel

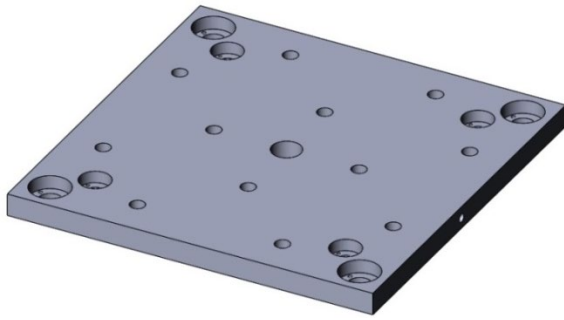


49404 6" 4-Sided Vise

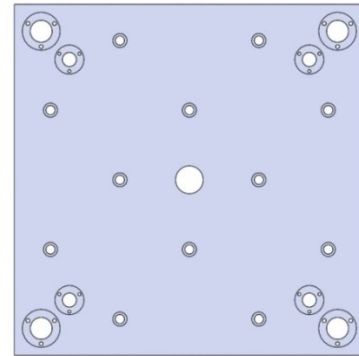


49410 6" 3-Sided Vise

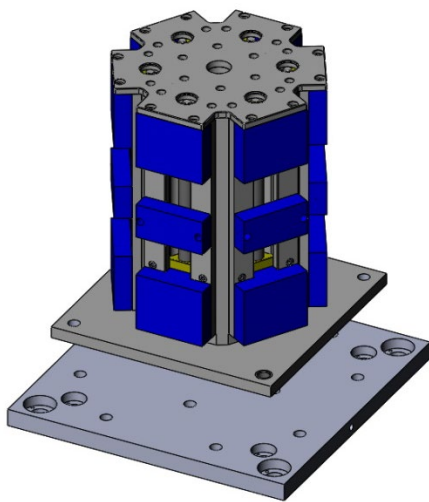
HM6300-002 (CONTINUED)



24.803 X 24.803 X 1.50



HM6300-002



49414 6" 6-Sided Hex Vise

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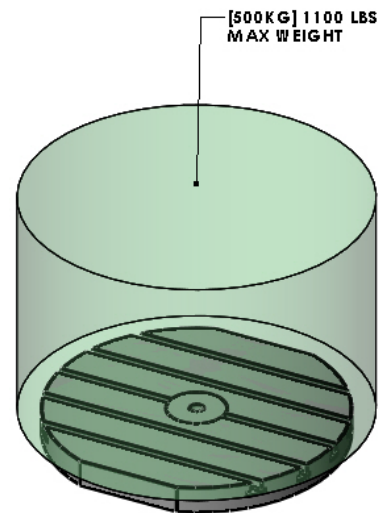
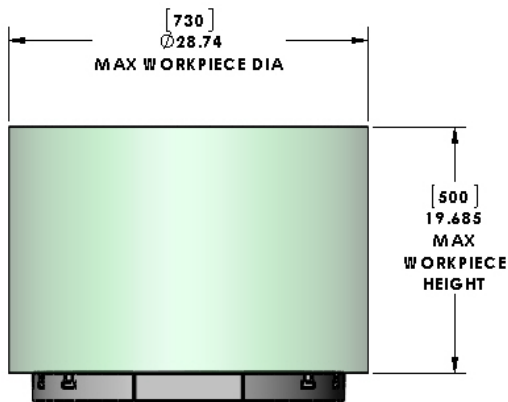
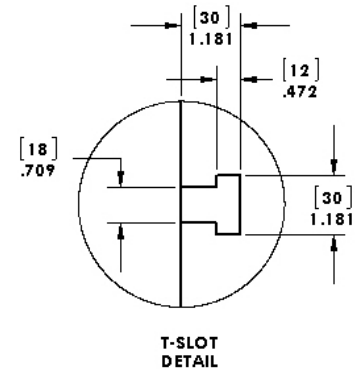
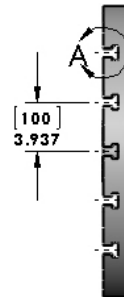
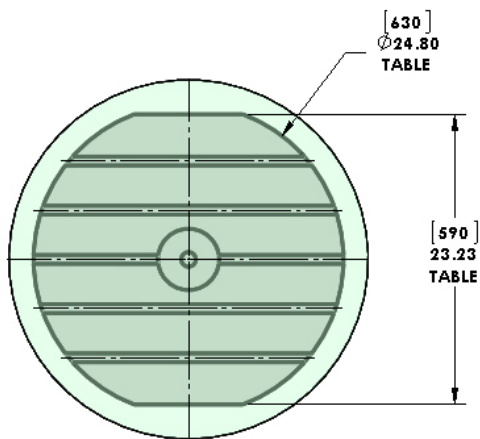
VC630/5AX



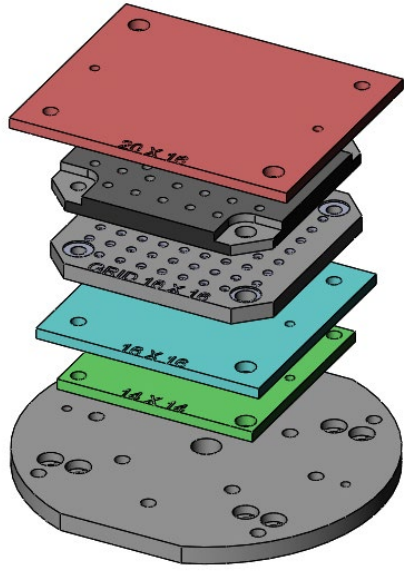
Table Specifications

Table Travel (X,Y,Z): 25.6" x 30.1" x 20.5"
 Table Dimensions: 24.8 Dia" x 23.23"
 Maximum Weight on Table: 1102 lbs
 T-Slot Size: 18mm
 T-Slot Spacing: 3.937" (100mm)
 Max Workpiece Height: 19.685" (500mm)
 Max Workpiece Dia: 28.74" (730mm)

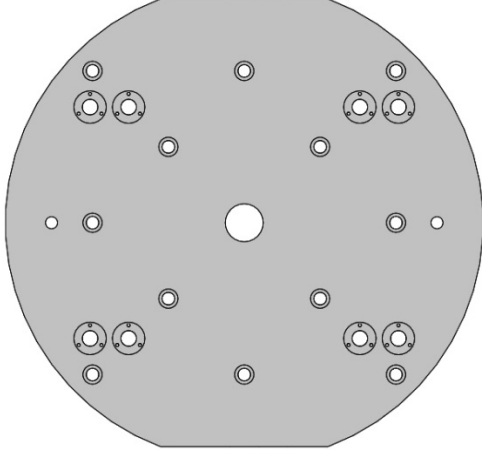
[METRIC DIMENSIONS]



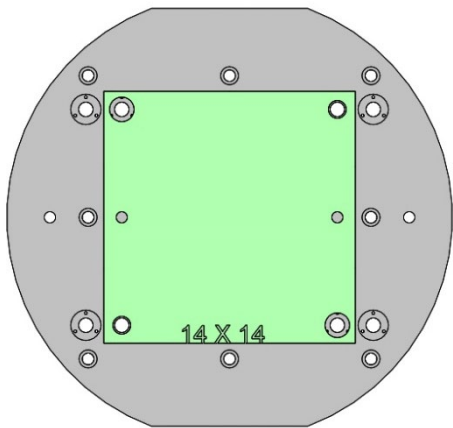
VC630-5AX-001



24.80 DIA X 23.22 X 1.25

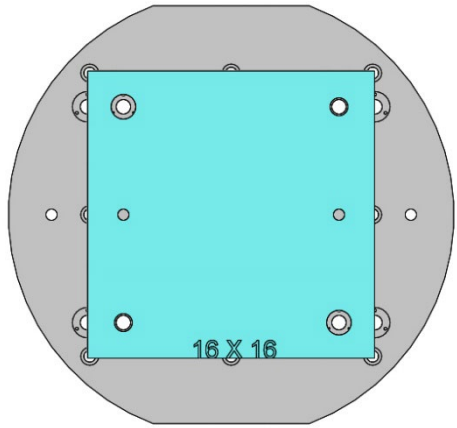


VC630-5AX-001



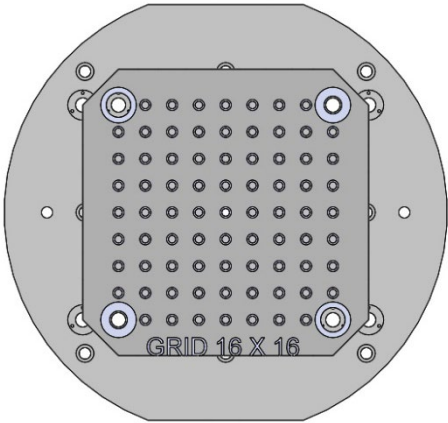
28713 Aluminum

28813 Steel

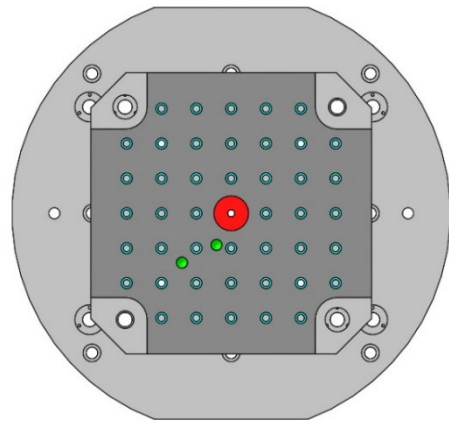


28715 Aluminum

28815 Steel



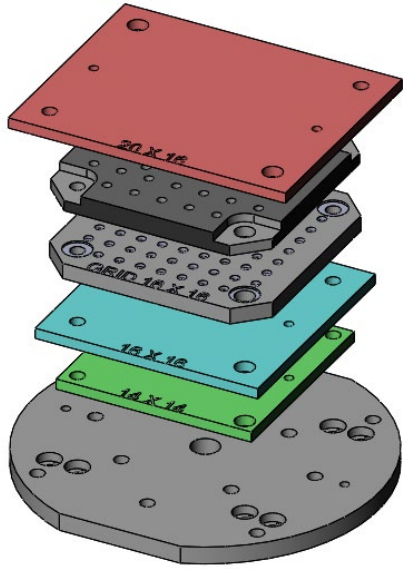
28801 Steel



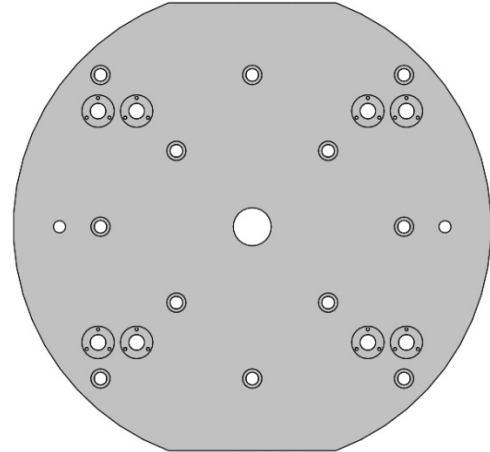
28802 Steel (QLS-see pg 185)

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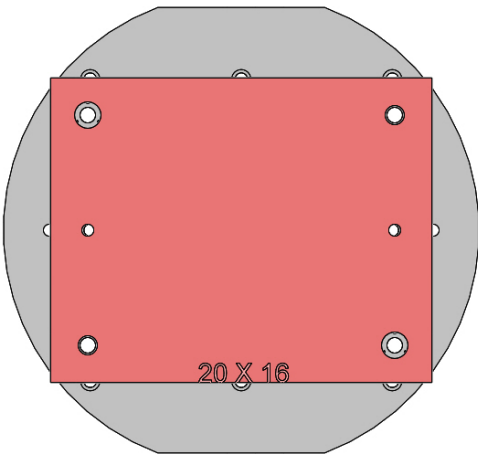
VC630-5AX-001(CONTINUED)



24.80 DIA X 23.22 X 1.25



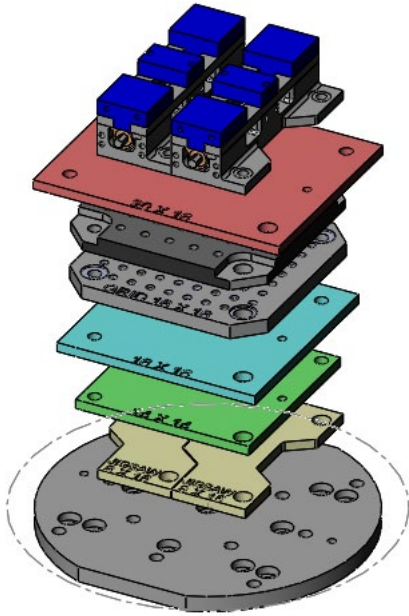
VC630-5AX-001



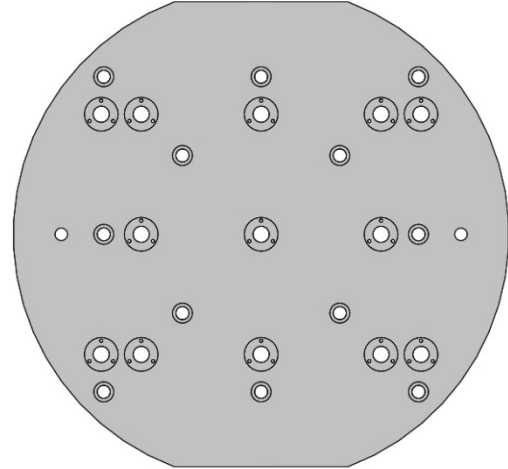
28719 Aluminum

28819 Steel

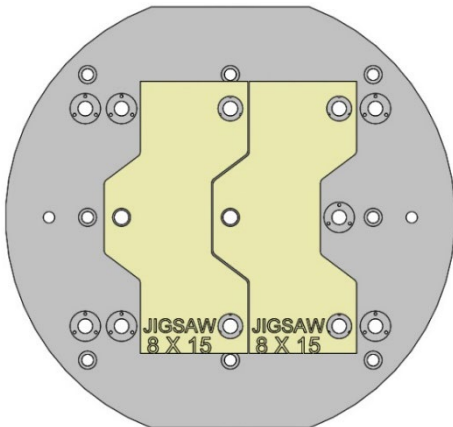
VC630-5AX-002



24.80 DIA X 23.22 X 1.25

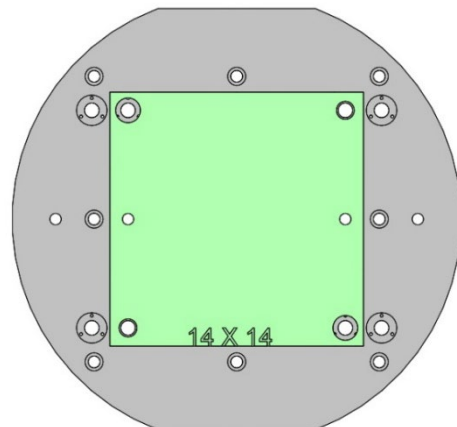


VC630-5AX-002



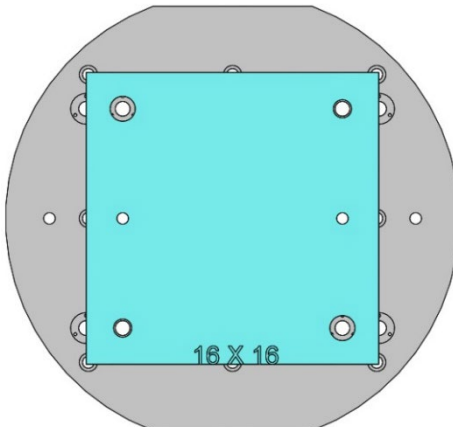
28705 Aluminum

28805 Steel



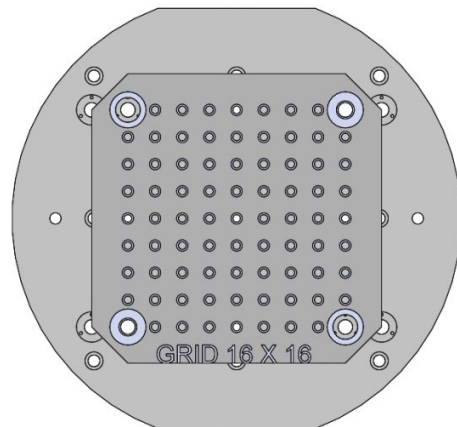
28713 Aluminum

28813 Steel



28715 Aluminum

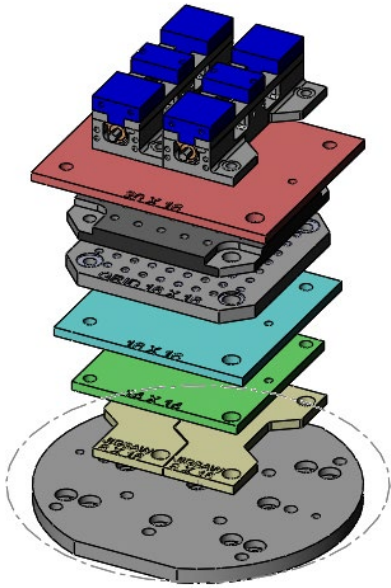
28815 Steel



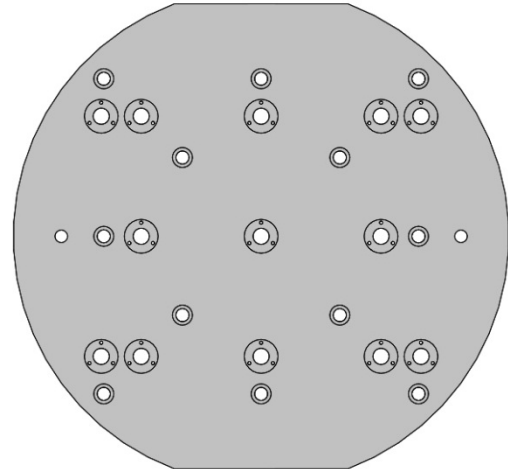
28801 Steel

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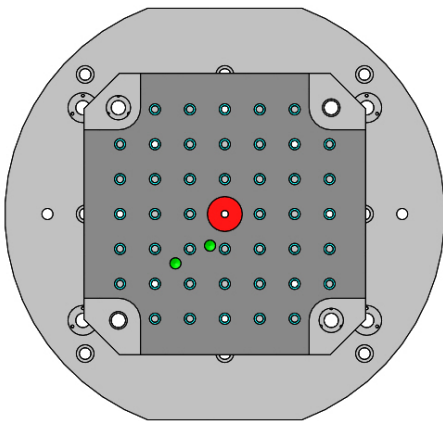
VC630-5AX-002 (CONTINUED)



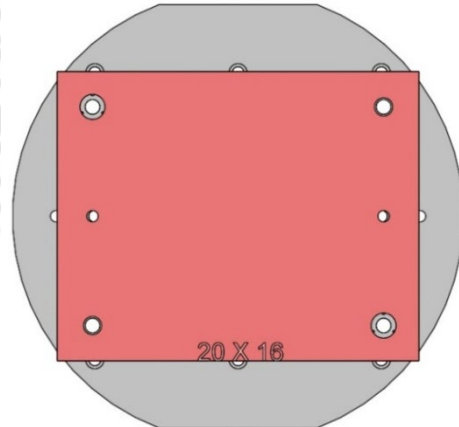
24.80 DIA X 23.22 X 1.25



VC630-5AX-002

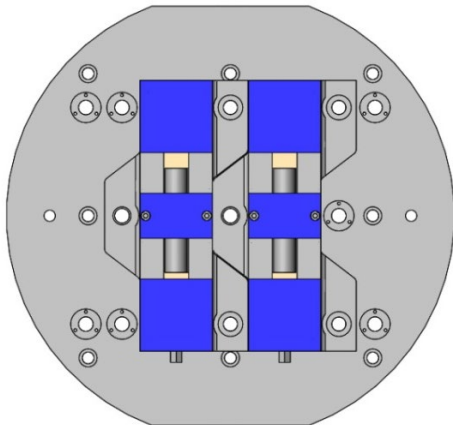


28802 Steel (QLS-see pg 185)



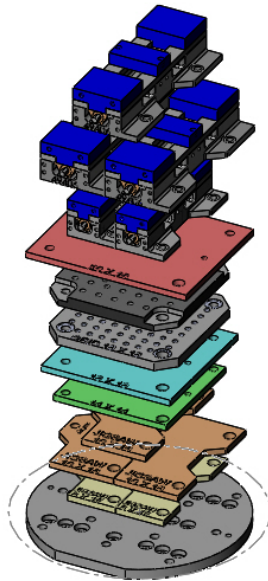
28719 Aluminum

28819 Steel

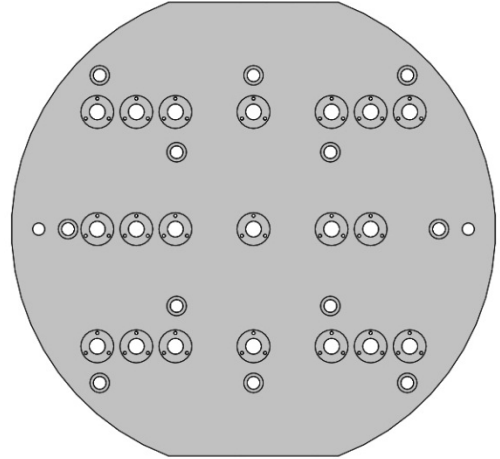


49405 4" Dual Station Production Vise

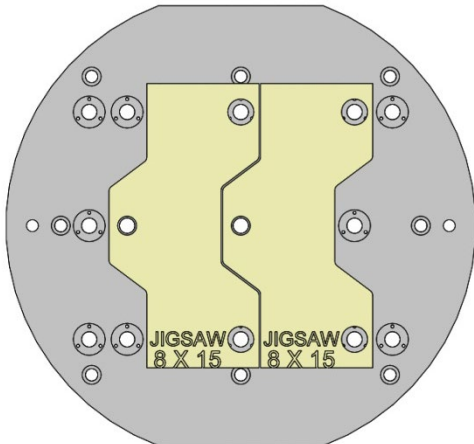
VC630-5AX-003



24.80 DIA X 23.22 X 1.25

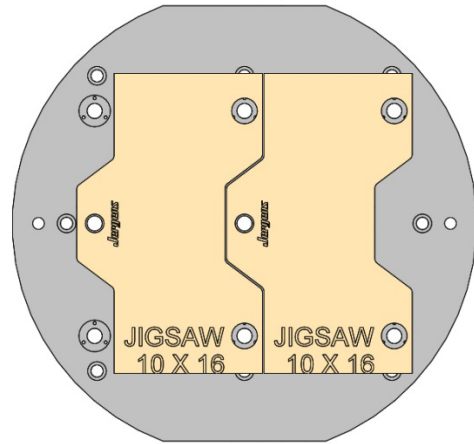


VC630-5AX-003



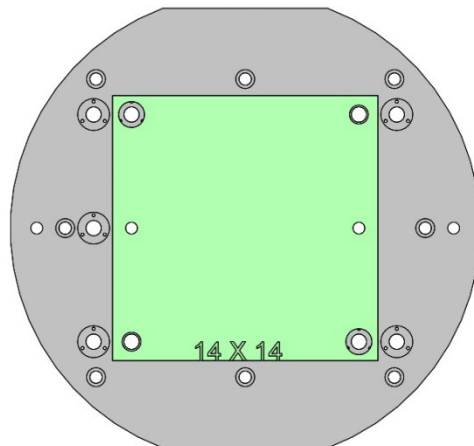
28705 Aluminum

28805 Steel



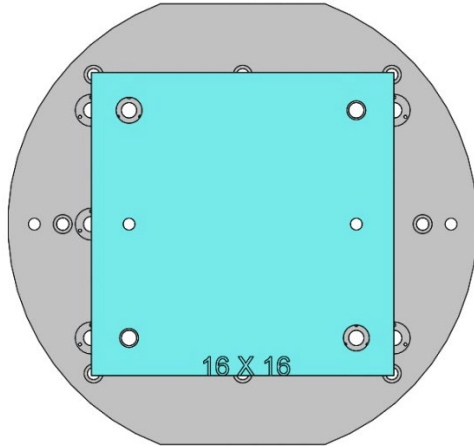
28706 Aluminum

28806 Steel



28713 Aluminum

28813 Steel

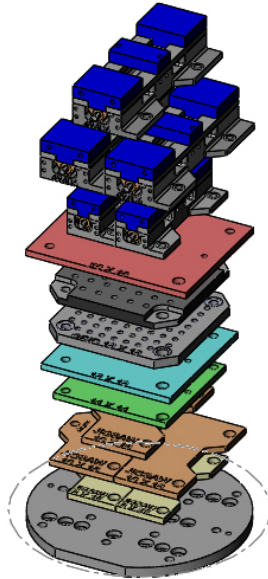


28715 Aluminum

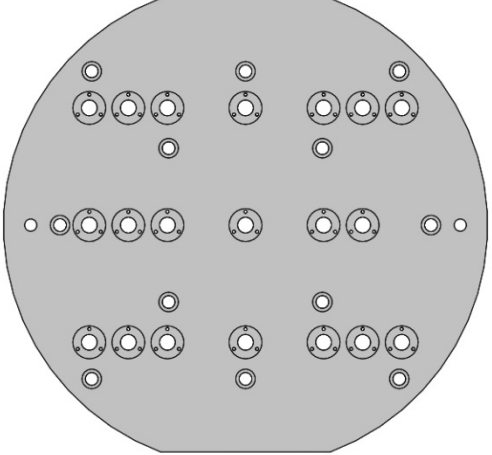
28815 Steel

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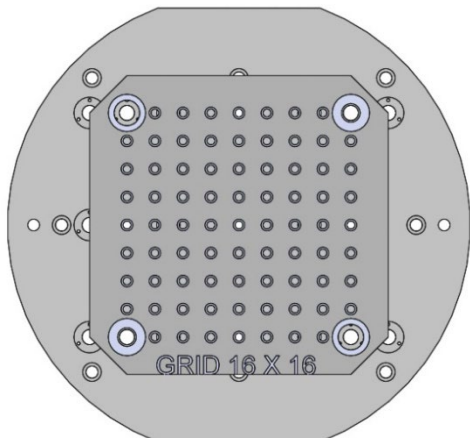
VC630-5AX-003 (CONTINUED)



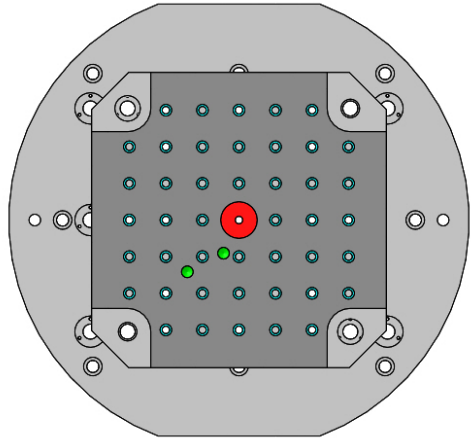
24.80 DIA X 23.22 X 1.25



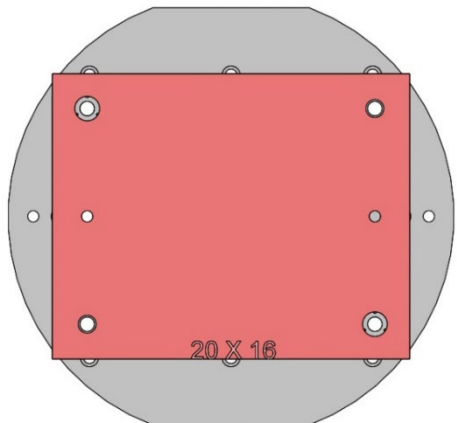
VC630-5AX-003



28801 Steel

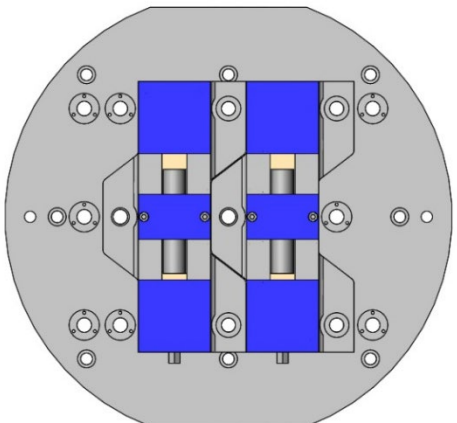


28802 Steel (QLS-see pg 185)



28719 Aluminum

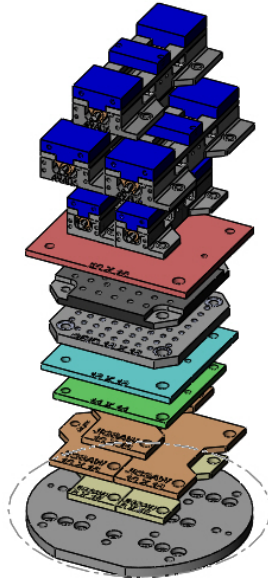
28819 Steel



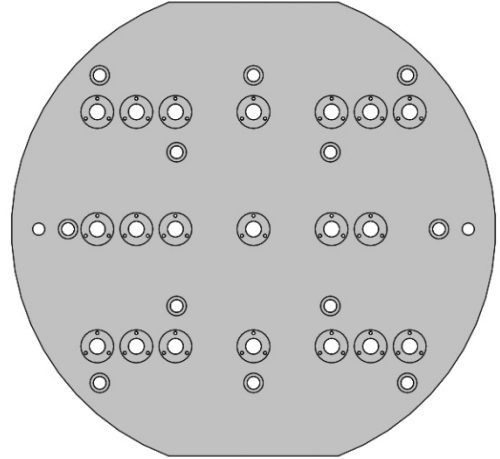
49405 4" Dual Station Production Vise

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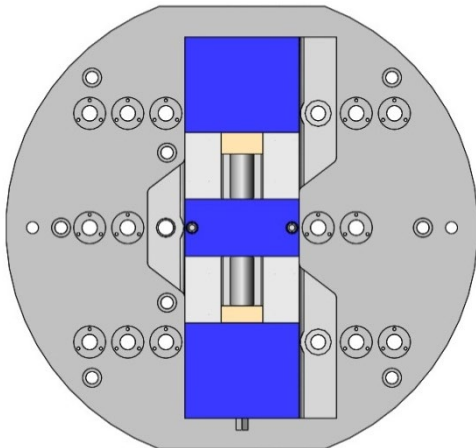
VC630-5AX-003 (CONTINUED)



24.80 DIA X 23.22 X 1.25



VC630-5AX-003

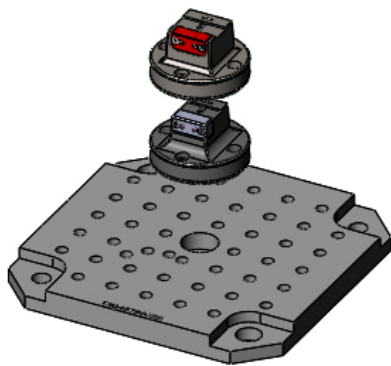


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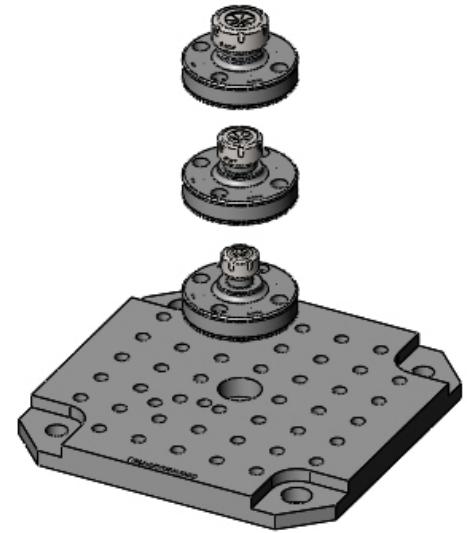
49406 6" Dual Station Production Vise



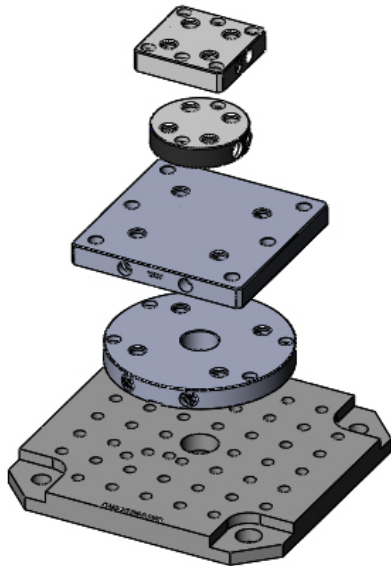
Fixture Pro 5 Axis Quick Change Fixturing



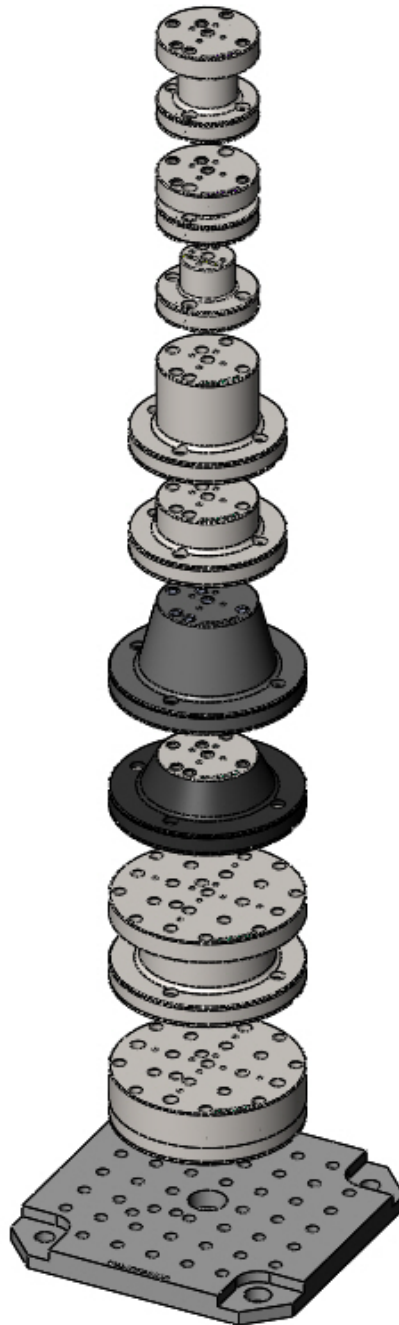
DOVETAIL VISES



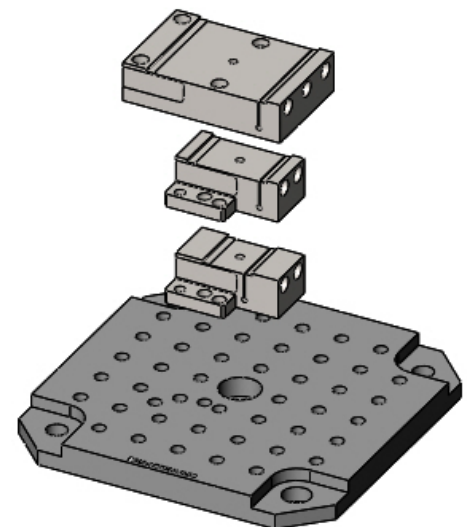
ER COLLET FIXTURES



**DROP & LOCK
PALLET CHANGERS**



RISERS



**BLOCK
DOVETAIL VISES**



MODEL	PART NO	QTY	T-NUT P/N	QTY	SINE-KEY P/N	QTY	SHCS	QTY
DT360D	DT360D-001		43375	8	39532	2	771719	8
DT360D	DT360D-002		43375	8	39532	2	771719	8
DT360D	DT360D-003		43375	8	39532	2	771719	8
DT360D	DT360D-004		43375	8	39532	2	771719	8
DT400	DT400-001		43375	8	39532	2	771719	8
DT400	DT400-002		43375	8	39532	2	771719	8
DT400	DT400-003		43375	8	39532	2	771719	8
DT400	DT400-004		43375	8	39532	2	771719	8
DT400	DT400-005		43375	8	39532	2	771719	8
DT400	DT400-006		43375	8	39532	2	771719	8
VC430	VC430-001		N/A	N/A	N/A	N/A	770182	10
VC430	VC430-002		N/A	N/A	N/A	N/A	770182	10
VC430	VC430-003		N/A	N/A	N/A	N/A	770182	9
VC430	VC430-004		N/A	N/A	N/A	N/A	770182	9
VC430	VC430-005		N/A	N/A	N/A	N/A	770182	10
VC430	VC430-006		N/A	N/A	N/A	N/A	770182	10
VC510	VC510-001		N/A	N/A	N/A	N/A	770182	12
VC510	VC510-002		N/A	N/A	N/A	N/A	770182	12
VC510	VC510-003		N/A	N/A	N/A	N/A	770182	11
VC510	VC510-004		N/A	N/A	N/A	N/A	770182	10
VC510	VC510-005		N/A	N/A	N/A	N/A	770182	12
VC510	VC510-006		N/A	N/A	N/A	N/A	770182	12
VC510	VC510-007		N/A	N/A	N/A	N/A	770182	11
VC510	VC510-008		N/A	N/A	N/A	N/A	770182	10
DNM400	DNM400-001		43378	10	39532	2	770182	10
DNM400	DNM400-002		43378	10	39532	2	770182	10
DNM400	DNM400-003		43378	8	39532	2	770182	8
DNM500	DNM500-001		43378	10	39532	2	770182	10
DNM500	DNM500-002		43378	10	39532	2	770182	10
DNM500	DNM500-003		43378	10	39532	2	770182	10
DNM500	DNM500-004		43378	10	39532	2	770182	10
DNM500	DNM500-005		43378	10	39532	2	770182	10
DNM500	DNM500-006		43378	10	39532	2	770182	10
DNM500	DNM500-007		43378	10	39532	2	770182	10
DNM500	DNM500-008		43378	10	39532	2	770182	10
DNM500	DNM500-009		43378	10	39532	2	770182	10



MODEL	PART NO	QTY	T-NUT P/N	QTY	SINE-KEY P/N	QTY	SHCS	QTY
DNM650	DNM650-001		43378	15	39532	2	770182	15
DNM650	DNM650-002		43378	15	39532	2	770182	15
DNM650	DNM650-003		43378	15	39532	2	770182	15
DNM650	DNM650-004		43378	15	39532	2	770182	15
DNM650	DNM650-005		43378	15	39532	2	770182	15
DNM650	DNM650-006		43378	15	39532	2	770182	15
DNM650	DNM650-007		43378	18	39532	2	770182	18
DNM650	DNM650-008		43378	18	39532	2	770182	18
DNM650	DNM650-009		43378	18	39532	2	770182	18
DNM650	DNM650-010		43378	18	39532	2	770182	18
DNM400a	DNM400a-001		43378	6	39532	2	770182	6
DNM400a	DNM400a-002		43378	8	39532	2	770182	8
DNM400a	DNM400a-003		43378	8	39532	2	770182	8
DNM500a	DNM500a-001		43378	8	39532	2	770182	8
DNM500a	DNM500a-002		43378	8	39532	2	770182	8
DNM500a	DNM500a-003		43378	8	39532	2	770182	8
DNM500a	DNM500a-004		43378	8	39532	2	770182	8
DNM500a	DNM500a-005		43378	8	39532	2	770182	8
DNM500a	DNM500a-006		43378	8	39532	2	770182	8
DNM4500	DNM4500-001		43378	10	39532	2	770182	10
DNM4500	DNM4500-002		43378	8	39532	2	770182	8
DNM4500	DNM4500-003		43378	8	39532	2	770182	8
DNM5700	DNM5700-001		43378	10	39532	2	770182	10
DNM5700	DNM5700-002		43378	10	39532	2	770182	10
DNM5700	DNM5700-003		43378	10	39532	2	770182	10
DNM5700	DNM5700-004		43378	10	39532	2	770182	10
DNM5700	DNM5700-005		43378	10	39532	2	770182	10
DNM5700	DNM5700-006		43378	10	39532	2	770182	10
DNM5700	DNM5700-007		43378	10	39532	2	770182	10
DNM5700	DNM5700-008		43378	10	39532	2	770182	10
DNM5700	DNM5700-009		43378	10	39532	2	770182	10
DNM6700	DNM6700-001		43378	15	39532	2	770182	15
DNM6700	DNM6700-002		43378	15	39532	2	770182	15
DNM6700	DNM6700-003		43378	15	39532	2	770182	15
DNM6700	DNM6700-004		43378	15	39532	2	770182	15
DNM6700	DNM6700-005		43378	15	39532	2	770182	15
DNM6700	DNM6700-006		43378	15	39532	2	770182	15
DNM6700	DNM6700-007		43378	16	39532	2	770182	16
DNM6700	DNM6700-008		43378	16	39532	2	770182	16
DNM6700	DNM6700-009		43378	16	39532	2	770182	16
DNM6700	DNM6700-010		43378	16	39532	2	770182	16
DNM6700	DNM6700-011		43378	16	39532	2	770182	16



MODEL	PART NO	QTY	T-NUT P/N	QTY	SINE-KEY P/N	QTY	SHCS	QTY
HP4000	HP4000-001		N/A	N/A	N/A	N/A	771759	12
HP5100	HP5100-001		N/A	N/A	N/A	N/A	771759	12
HP5500	HP5500-001		N/A	N/A	N/A	N/A	771759	12
HP6300	HP6300-001		N/A	N/A	N/A	N/A	771759	12
HP6300	HP6300-002		N/A	N/A	N/A	N/A	771759	12
HM5000	HM5000-001		N/A	N/A	N/A	N/A	771759	12
HM6300	HM6300-001		N/A	N/A	N/A	N/A	771759	12
HM6300	HM6300-002		N/A	N/A	N/A	N/A	771759	12
VC630/5AX	VC630-5AX-001		43378	12	39532	2	770182	12
VC630/5AX	VC630-5AX-002		43378	12	39532	2	770182	12
VC630/5AX	VC630-5AX-003		43378	12	39532	2	770182	12





FIXTURE PLATE ALUMINUM PART NO	ORDER QTY	FIXTURE PLATE STEEL PART NO	ORDER QTY	BALL-LOCK SHANKS PART NO	QTY OF SHANKS REQUIRED PER FIXTURE PLATE	ORDER QTY
		28801		49602	4	
		28802		49601	4	
28705		28805		49601	3	
28706		28806		49601	3	
28711		28811		49601	4	
28713		28813		49601	4	
28715		28815		49601	4	
28717		28817		49601	4	
28719		28819		49601	4	
28727		28827		49612	4	
28732		28832		49632	4	
28741		28841		49601	4	
28742		28842		49612	4	
28743		28843		49612	4	
28745		28845		49612	4	
28746		28846		49612	4	
28750		28850		49601	4	

BALL-LOCK BASE VISE 4"	ORDER QTY	BALL-LOCK BASE VISE 6"	ORDER QTY	BALL-LOCK SHANKS PART NO	QTY OF SHANKS REQUIRED PER FIXTURE PLATE	ORDER QTY
49405		49406		49601	3	

BASE SIZE	BALL-LOCK BASE VISE COLUMN 4"	ORDER QTY	DESCRIPTION	BALL-LOCK SHANKS PART NO	QTY OF SHANKS REQUIRED PER COLUMN BASE	ORDER QTY
400MM	49403		4-SIDE	49602	4	
400MM	49409		3-SIDE	49602	4	
400MM	49413		6-SIDE HEX	49602	4	

BASE SIZE	BALL-LOCK BASE VISE COLUMN 6"	ORDER QTY	DESCRIPTION	BALL-LOCK SHANKS PART NO	QTY OF SHANKS REQUIRED PER COLUMN BASE	ORDER QTY
400MM	49412		4-SIDE	49602	4	
400MM	49408		3-SIDE	49602	4	
500MM	49404		4-SIDE	49612	4	
500MM	49410		3-SIDE	49612	4	
500MM	49414		6-SIDE HEX	49612	4	



BASE SIZE	CAST-IRON TOOLING COLUMN PART NO	ORDER QTY	DESCRIPTION	BALL-LOCK SHANKS PART NO	QTY OF SHANKS REQUIRED PER COLUMN BASE	ORDER QTY
400MM	69101		2-SIDED	49602	4	
500MM	69111		2-SIDED	49612	4	
630MM	69121		2-SIDED	49633	4	
400MM	69001		4-SIDED	49602	4	
500MM	69011		4-SIDED	49612	4	
630MM	69021		4-SIDED	49633	4	

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