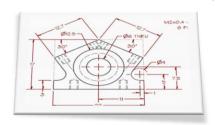
From the Trenches with Autodesk Inventor

Typs, tricks & solutions from Jaily life with Inventor

http://inventortrenches.blogspot.com/



This PDF contains 24 detailed drawings of miscellaneous parts, to be used for practice with Autodesk Inventor (or any 3D CAD package for that matter). Some of the parts are a bit more challenging than others, but none of them are meant to be difficult. However, some are intended for specific modeling tools, and hints have been provided in those cases.

In the event that you find a missing dimension or two, please accept my apologies in advance, but don't let it stop you from modeling the part. Instead, you can consider this an opportunity to exercise "designer's choice" and provide a dimension according to your liking, as there are no right or wrong answers for these practice files.

As you work your way through these, keep in mind the best practice of creating simple sketches, to build well constructed features, which add up to a more complex part. You can reference the <u>Inventor 101: Simple Fully Constrained Sketches</u> blog article for more on the concept of building complex parts from simple sketches.

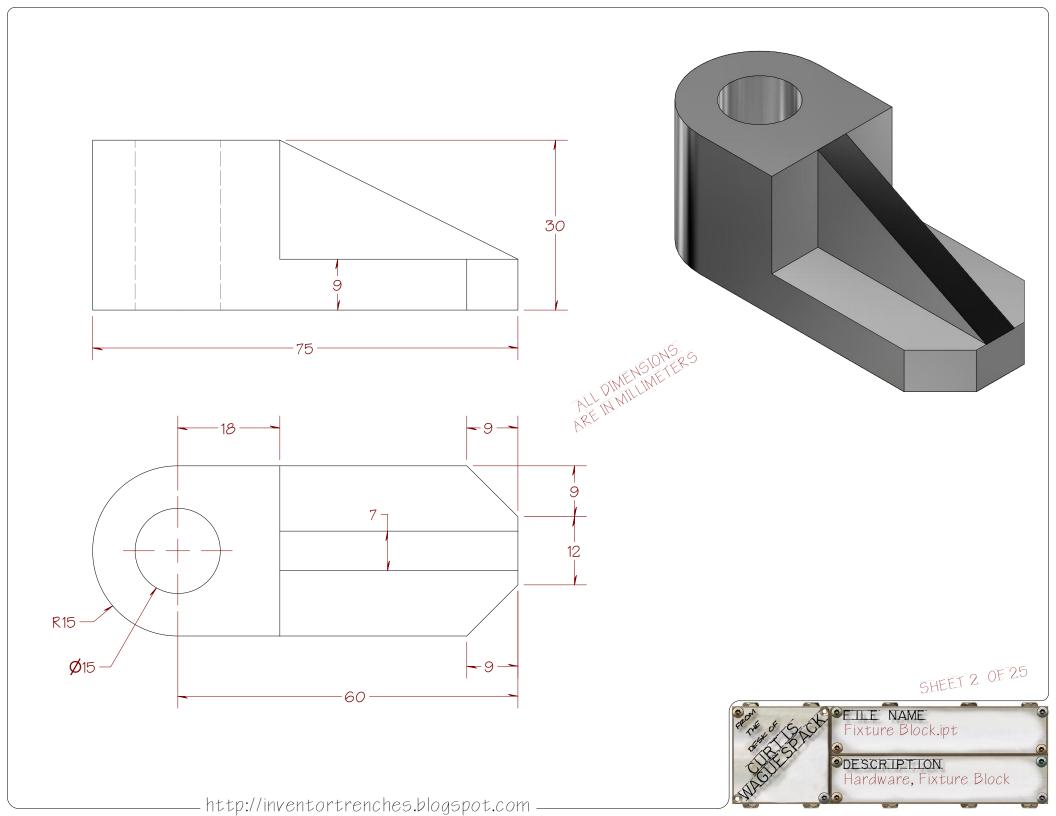
These files are released "as is" and no official support is offered for them, but if you get stuck you can probably find someone to offer a helping hand online at the <u>Autodesk Inventor forum</u>, provided you post a good description of your issue and attach the part file you are struggling with.

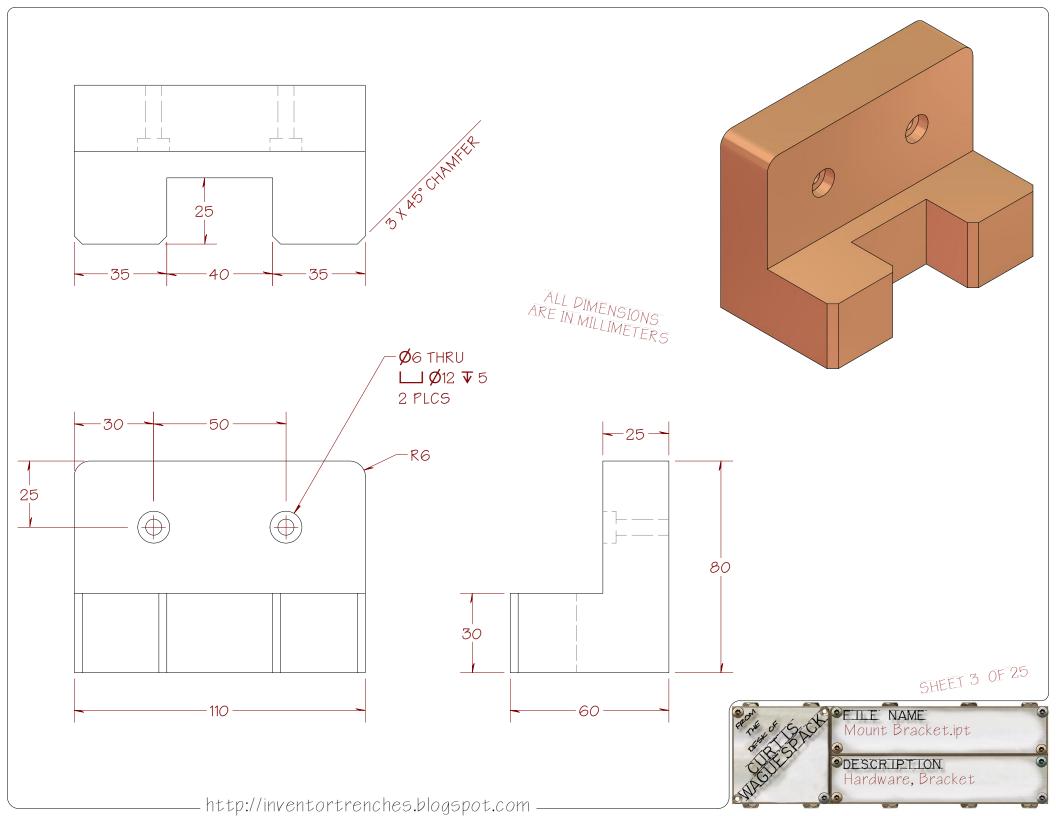
Best of luck to you in all of your Inventor and design pursuits,

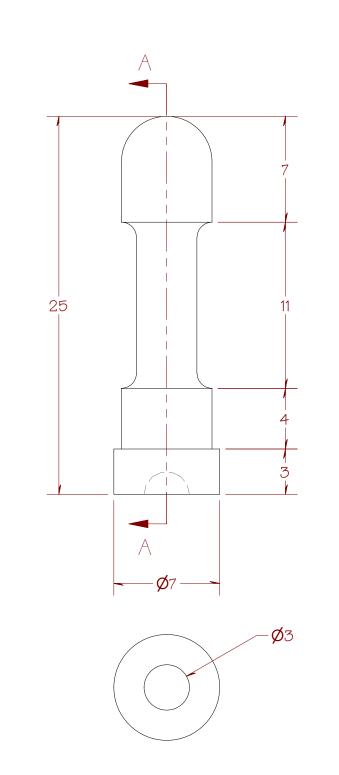
Curtis Waguespack

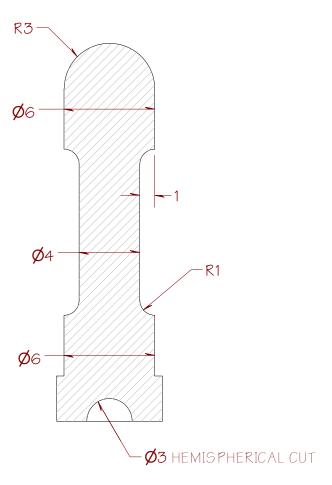
Author: Mastering Autodesk Inventor











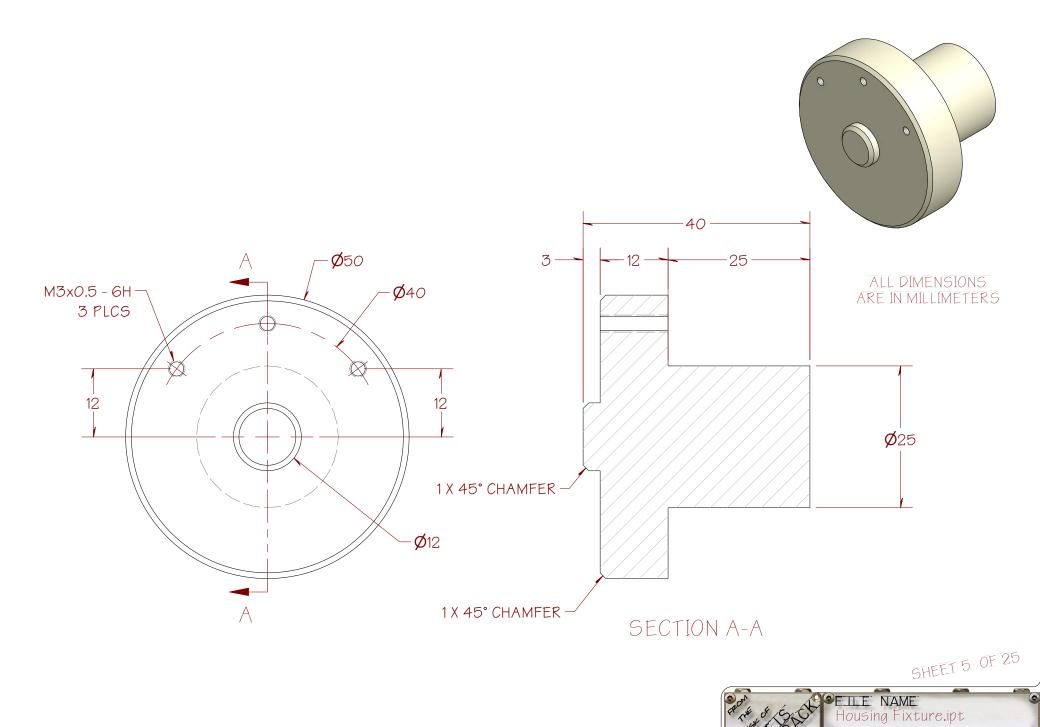


SECTION A-A

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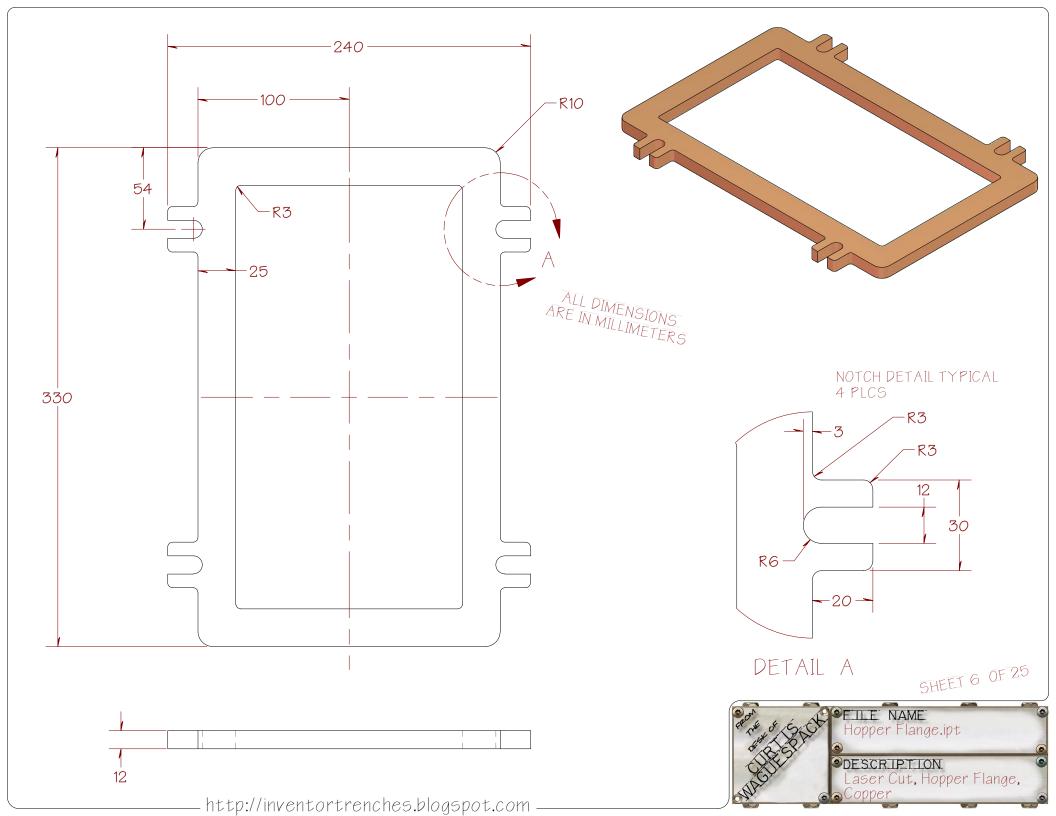
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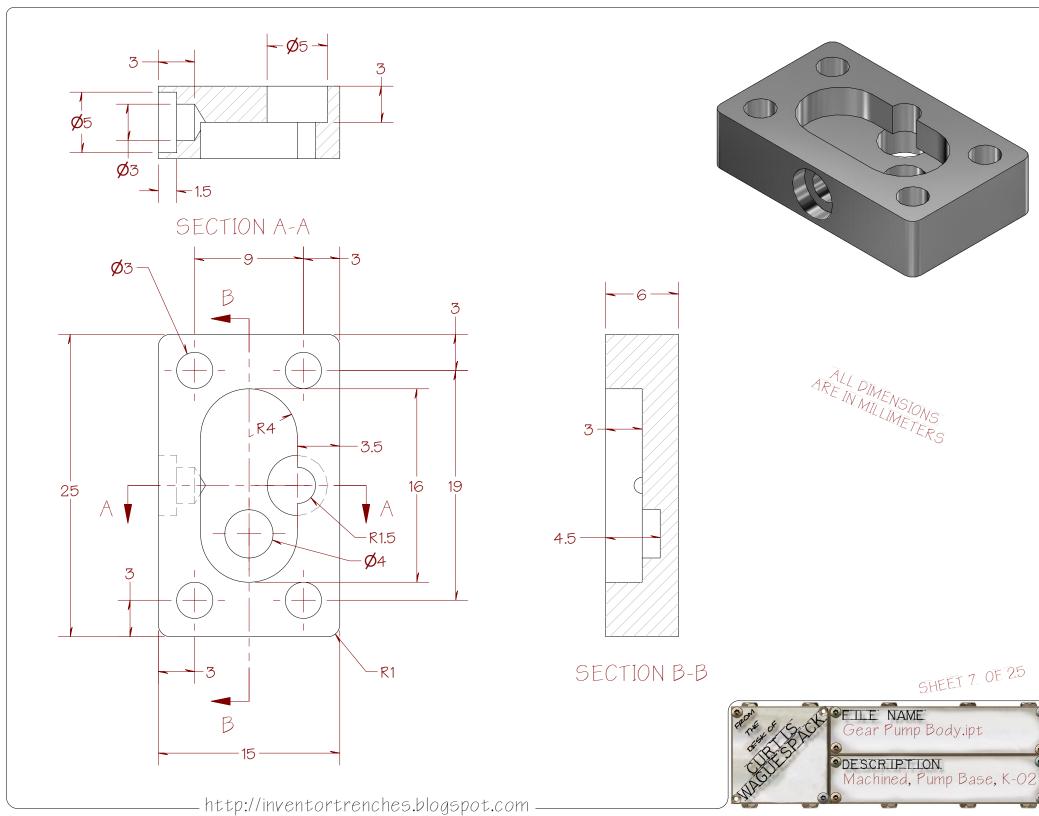
Housing Fixture.ipt

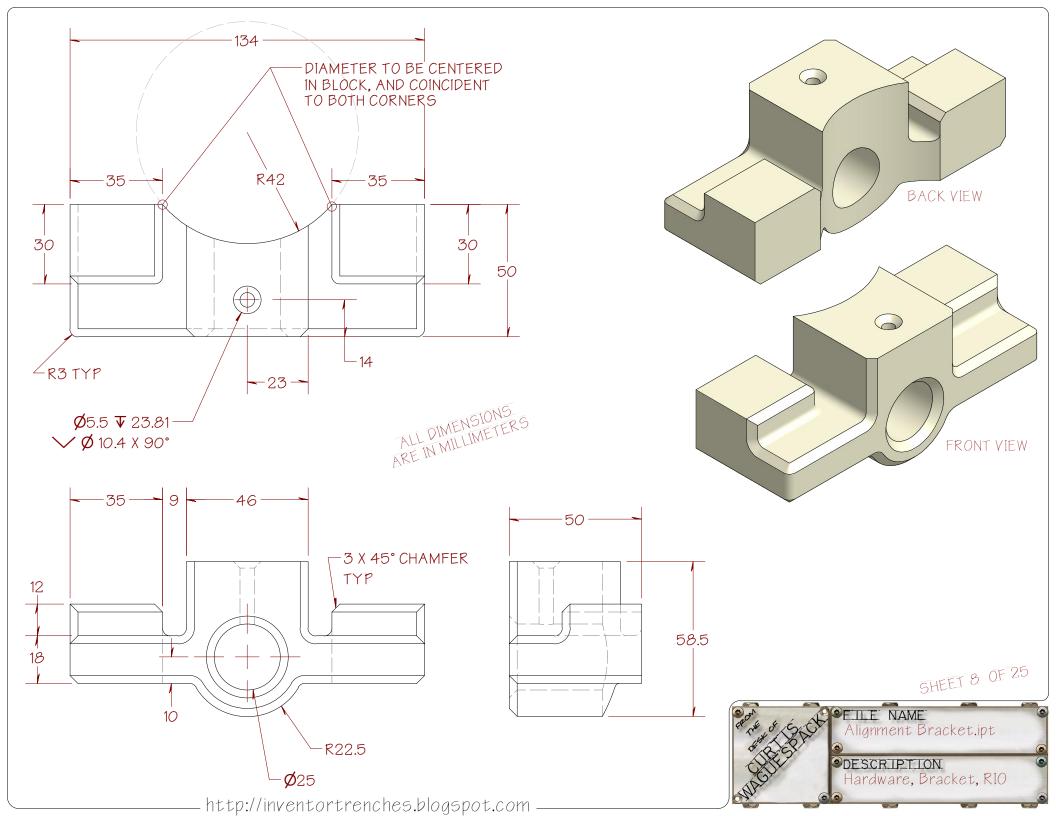
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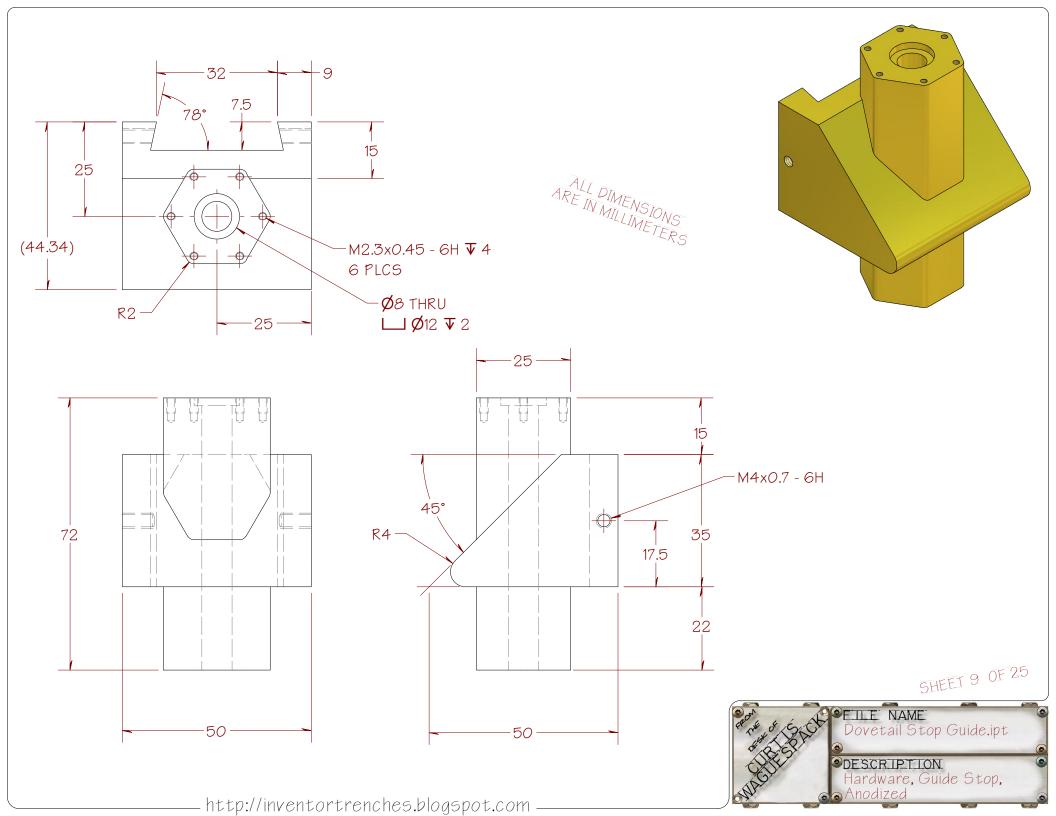
Machined, Housing Fixture

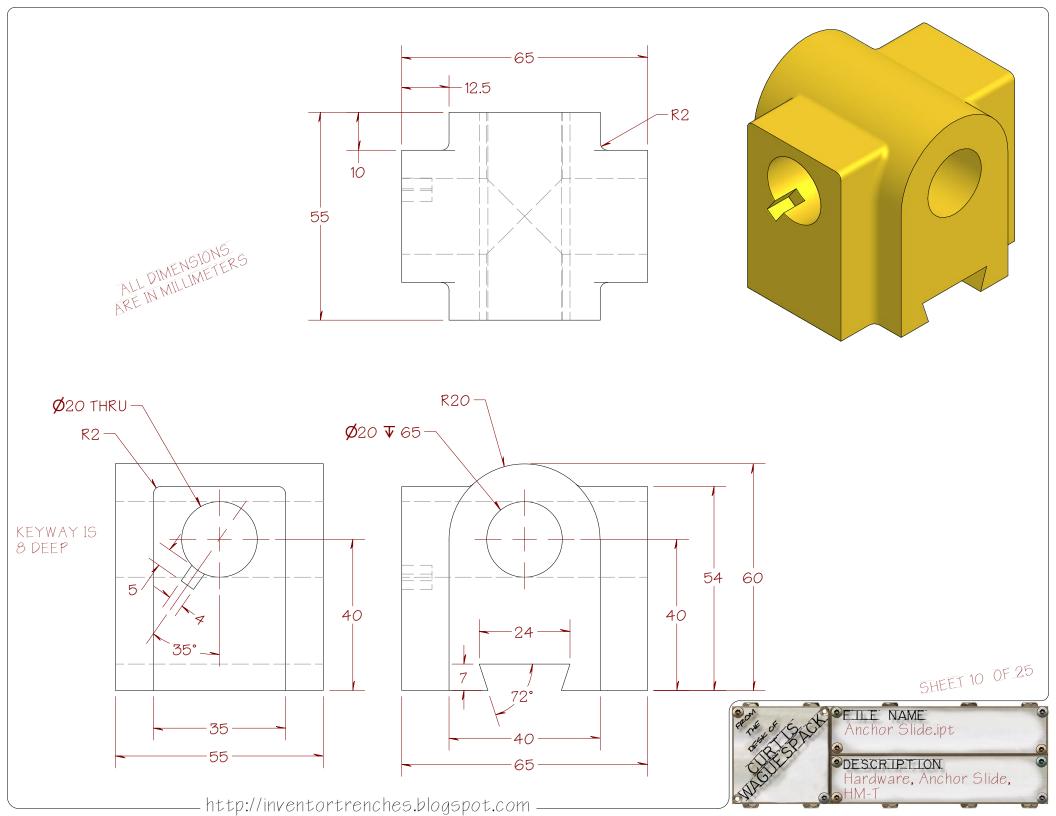
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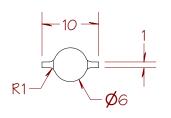


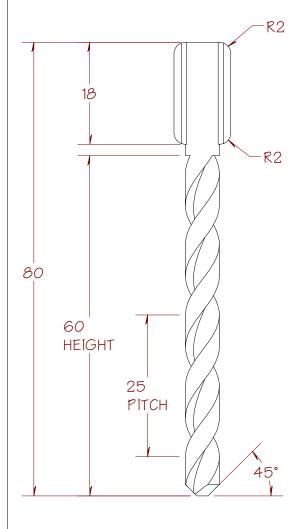


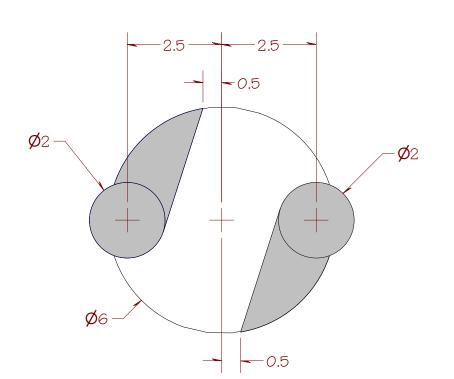












END VIEW WITH

CUT PROFILES (SHOWN SHADED)

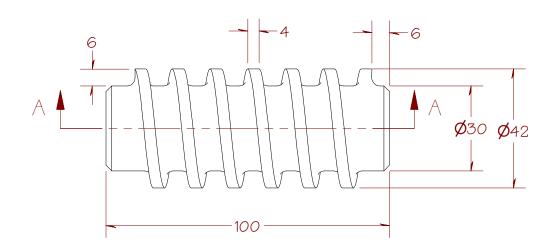


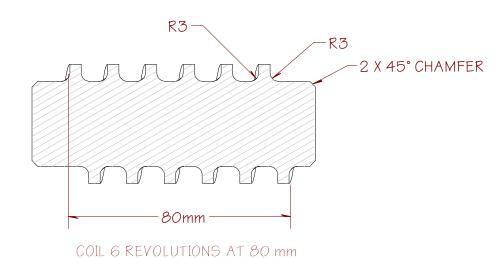
HINT: CREATE A COIL CUT AND THEN PATTERN THE CUT AROUND THE AXIS

SHEET 11 OF 25

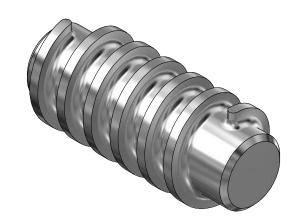


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SECTION A-A

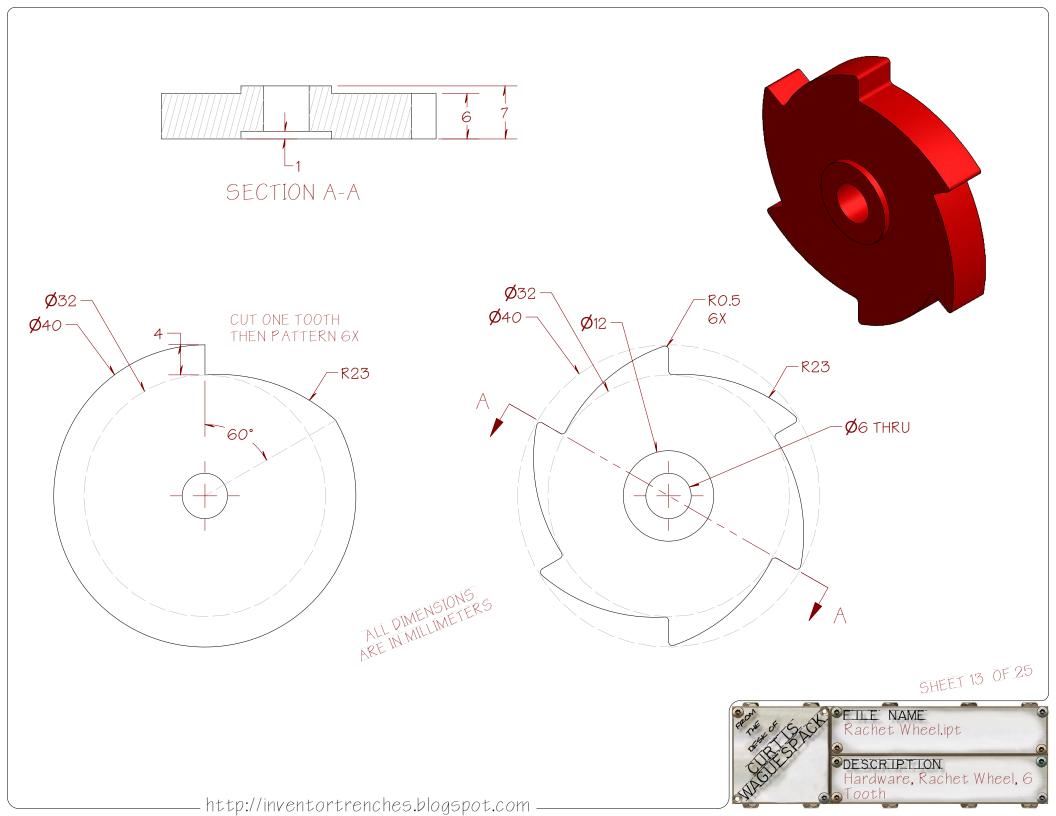


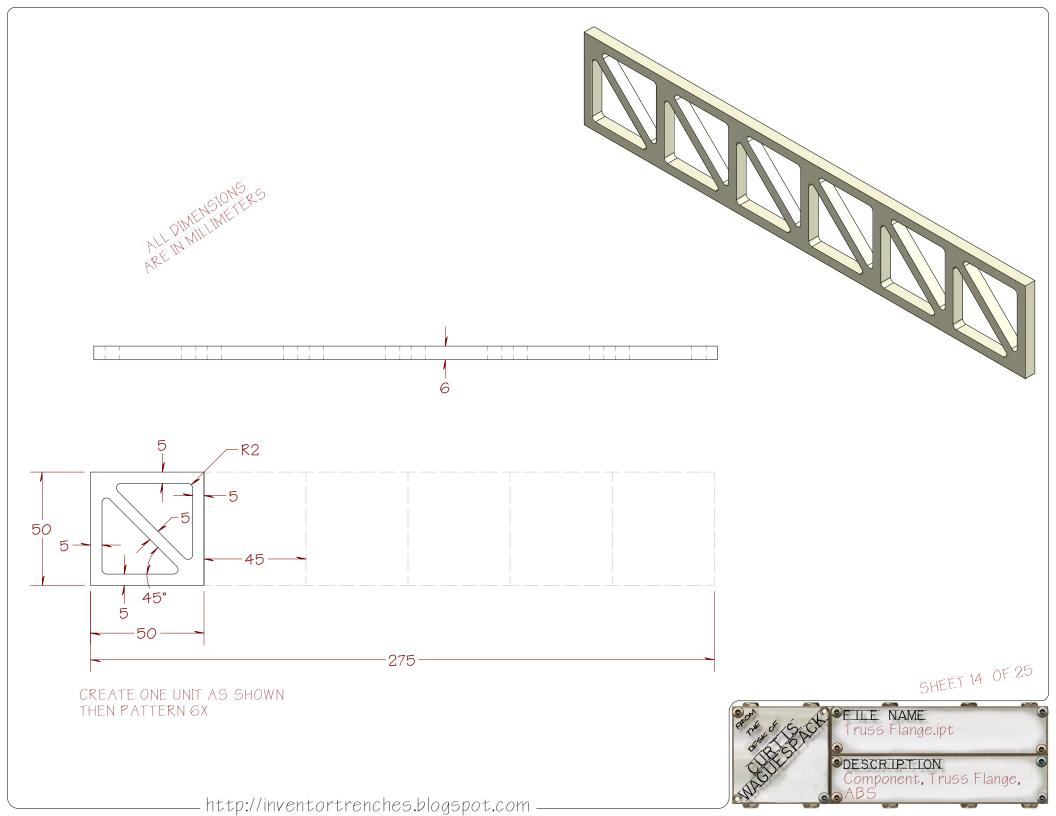
ALL DIMENSIONS ARE IN MILLIMETERS

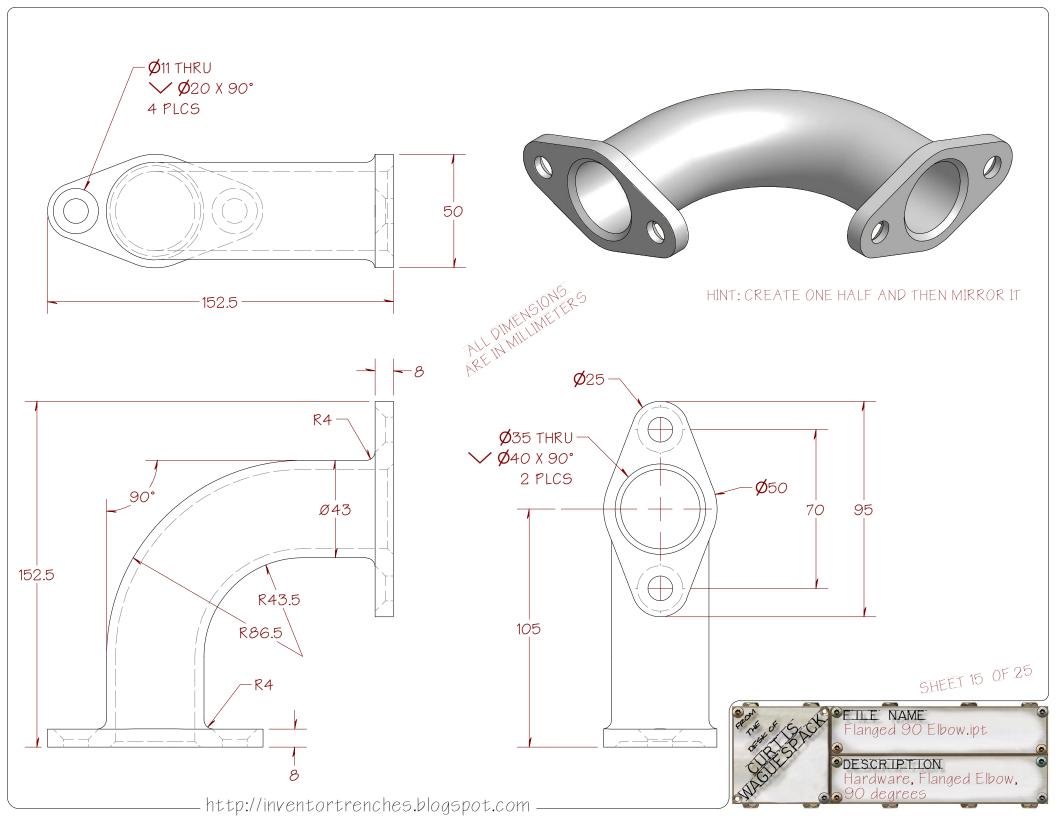
SHEET 12 OF 25

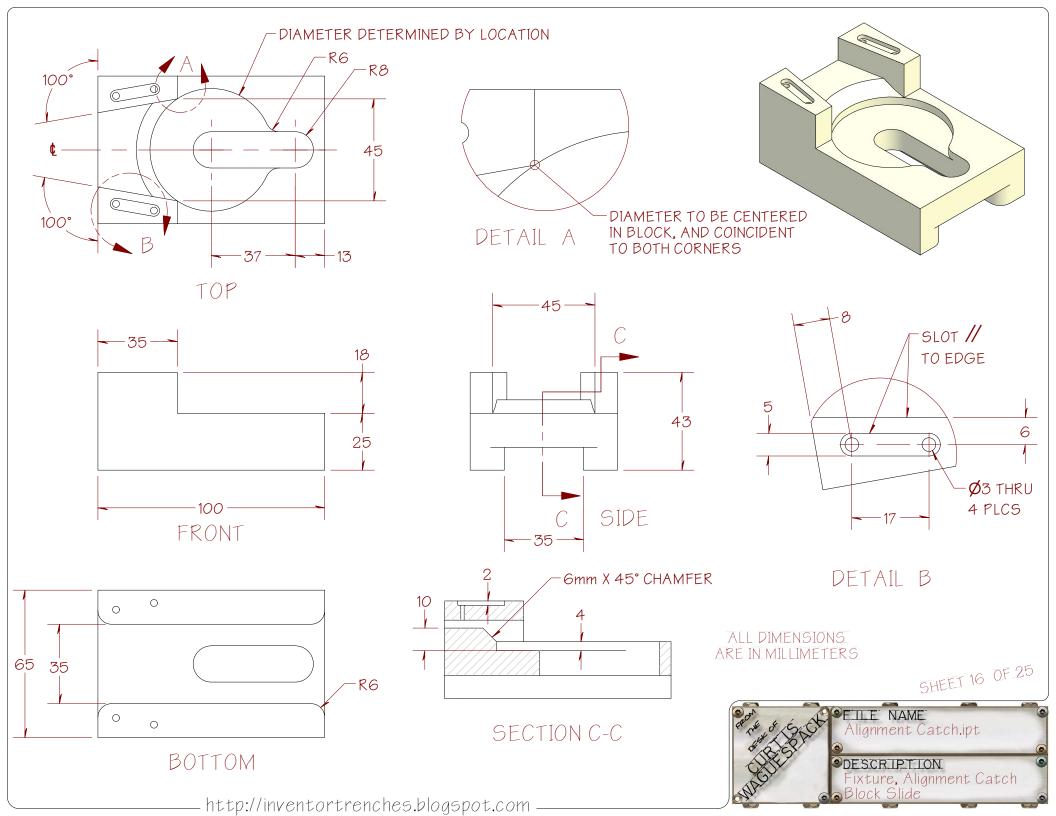


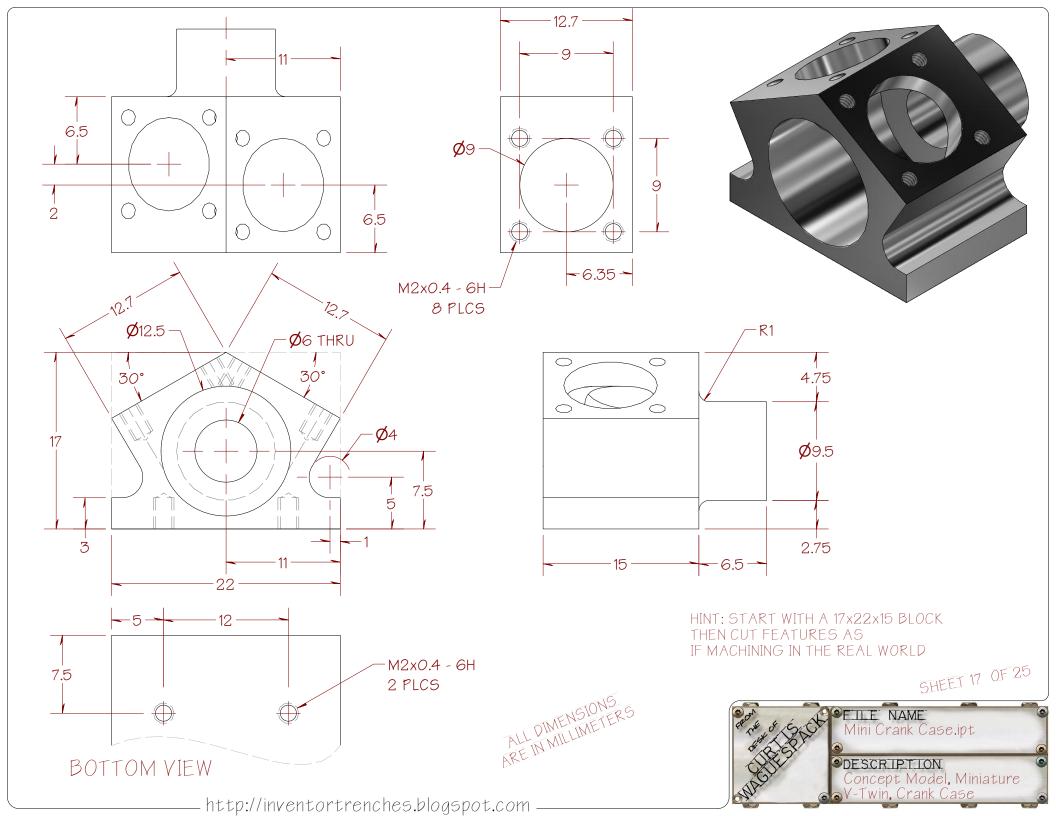
http://inventortrenches.blogspot.com

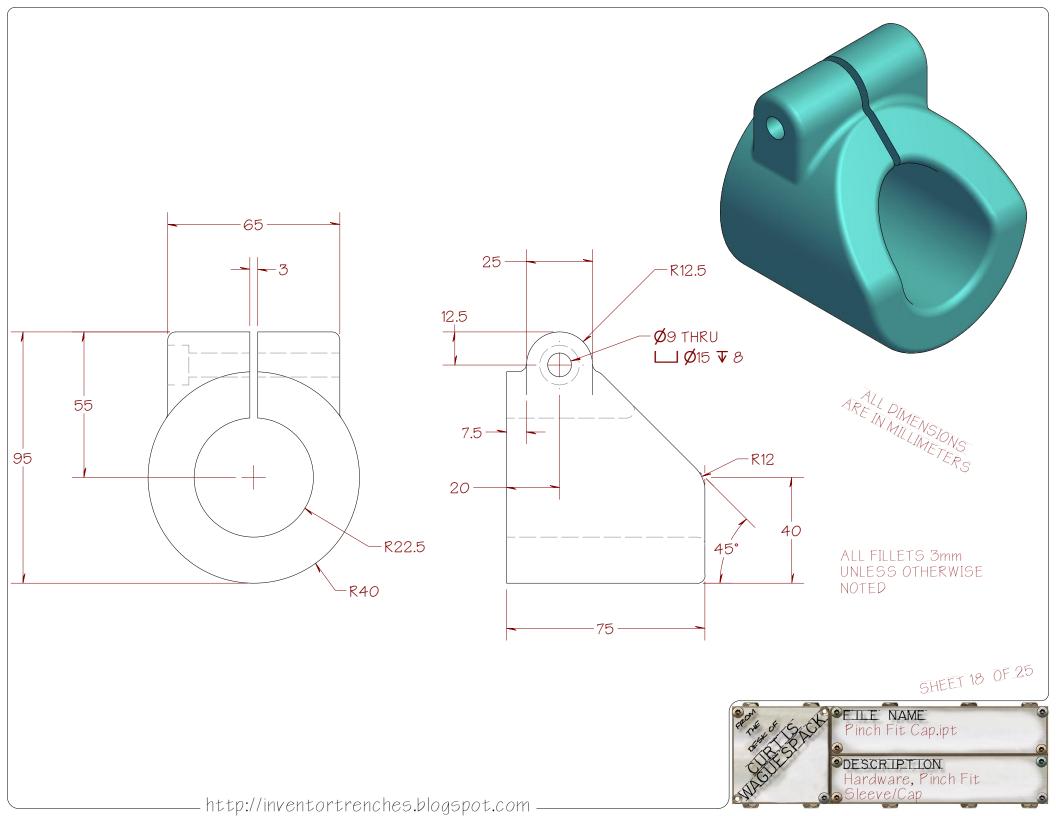


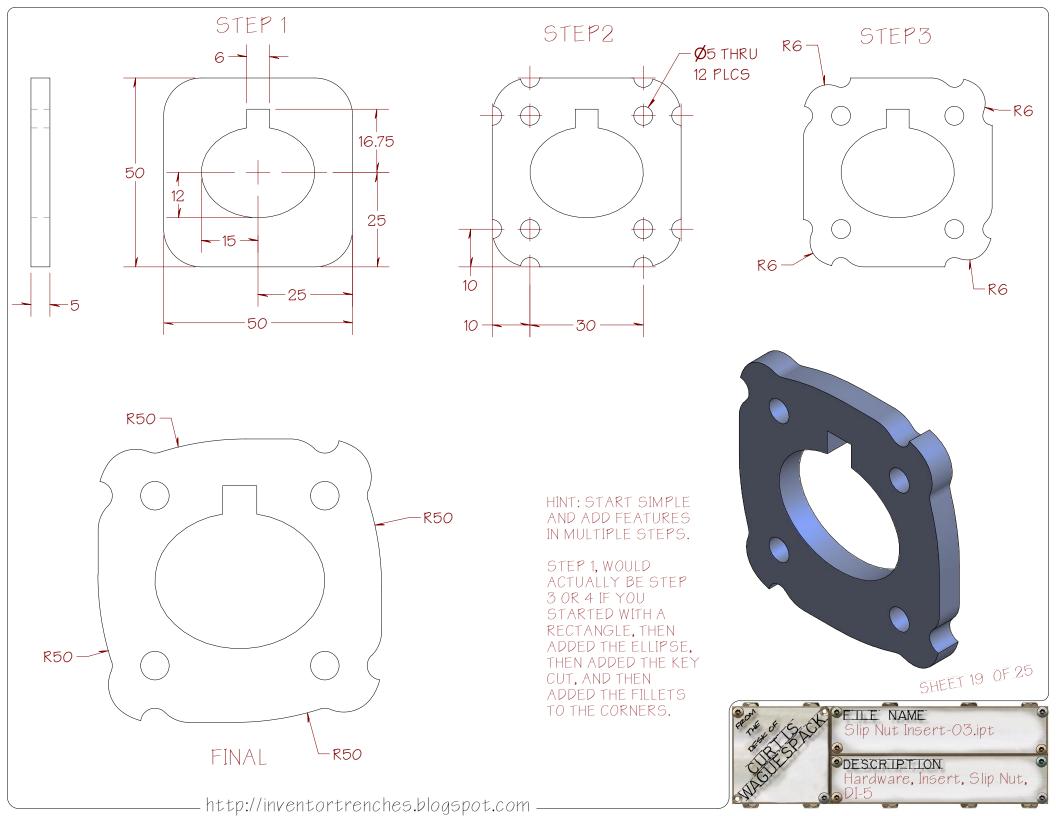


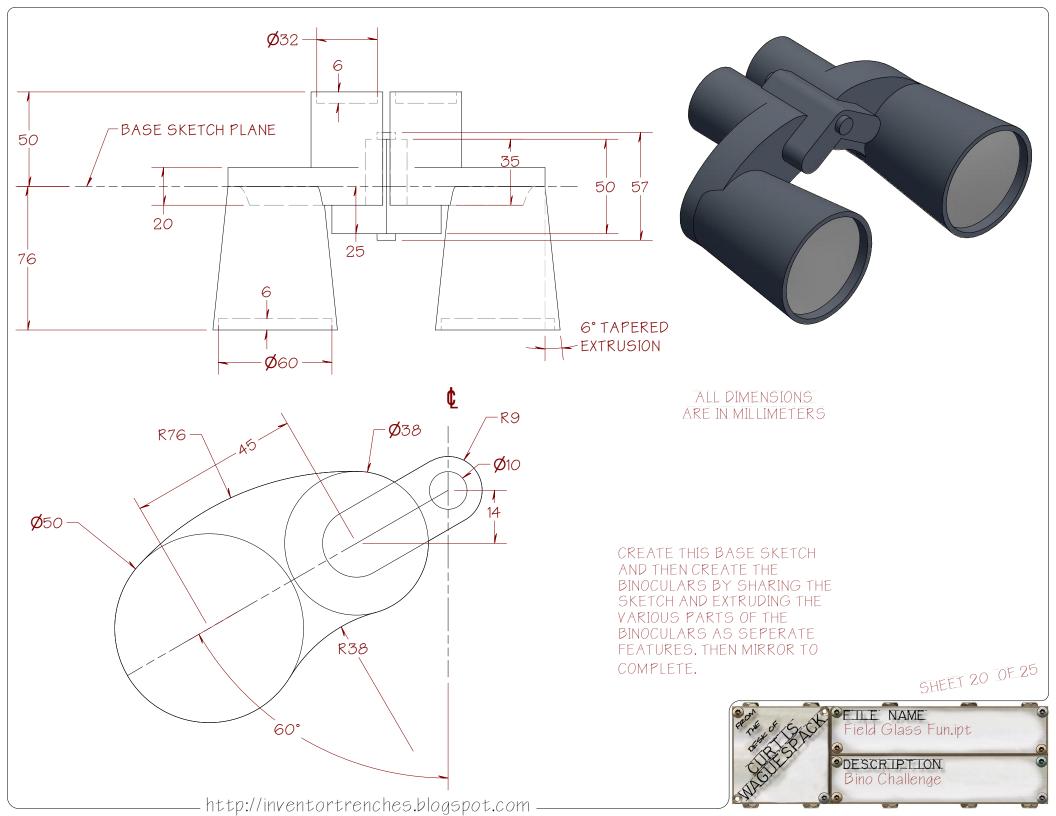


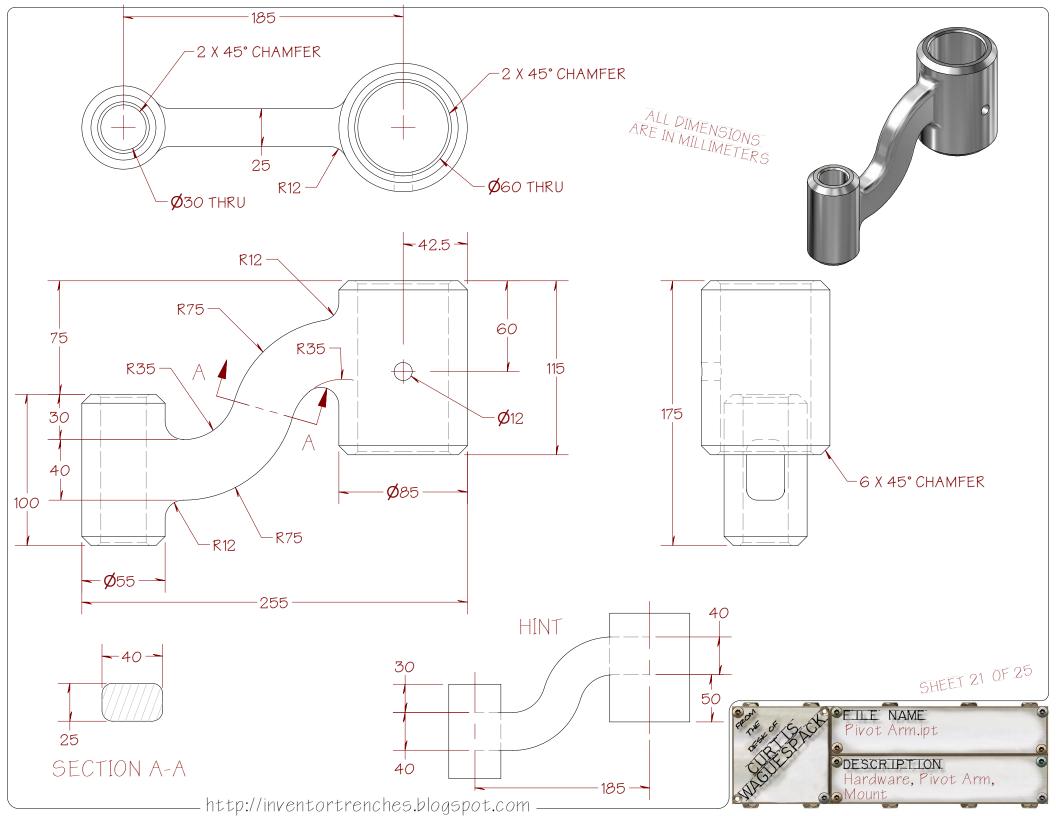


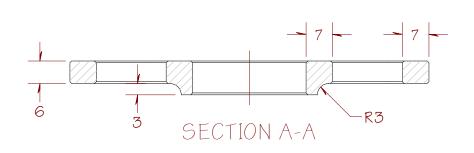


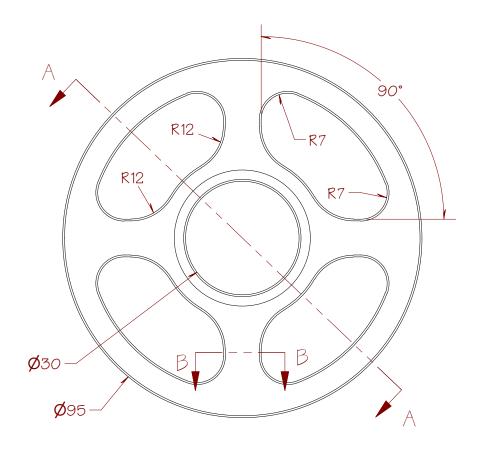












ALL DIMENSIONS ARE IN MILLIMETERS



10 -

ALL CHAMFERS = 0.5 X 45°

SECTION B-B

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