Subject: Want to pay for a modeler to help us make parts for dental equipment
Posted by atlasresell on Fri, 15 Mar 2013 18:14:35 GMT
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This is a specialty plastic fitting that we would like to make. I realize that we could machine this part, but I want to run a couple of trials in 3D printing for my business to see if this is cost effective in the long run. My first step is to get a model made.

Is any experienced 3D modeler interested in making this format that Shapeways can print out for me?

Please see the attached PDF for the concept. I can ship the part to you once we reach an agreement.

Thanks much!

Mason Fuller, CEO
Atlas Resell Management

Thread spacing from trough to trough:2mm
Threads are tapered to a triangular point

Cylinder Height: 53mm
Base Width: 47mm
Top Width: 42mm
Inside diameter: 39mm
Base Diameter: 48mm
Min Cylinder Wall Thickness: 2mm
Max Cylinder Wall Thickness: 5mm

## File Attachments

1) VacuumFilterFitting.pdf, downloaded 91 times

Subject: Re: Want to pay for a modeler to help us make parts for dental equipment
Posted by stonysmith on Fri, 15 Mar 2013 19:55:21 GMT
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What dimensions are you looking for. I know you included a coin in the picture, but accurate dimensions (particularly on the threads) would be critical for making this.

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Subject: Re: Want to pay for a modeler to help us make parts for dental equipment
Posted by atlasresell on Fri, 15 Mar 2013 20:28:09 GMT
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Hi, Yes that is a good point. Here are some pertinent dimensions:

Thread spacing from trough to trough:2mm
Threads are tapered to a triangular point

Cylinder Height: 53mm
Base Width: 47mm
Top Width: 42mm
Inside diameter: 39mm
Base Diameter: 48mm
Min Cylinder Wall Thickness: 2mm
Max Cylinder Wall Thickness: 5mm

Does this help?

Thanks,

Mason

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Subject: Re: Want to pay for a modeler to help us make parts for dental equipment
Posted by JACANT on Fri, 15 Mar 2013 22:25:14 GMT
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The question about 'screw threads' has been asked before. It is not feasible below M6 according to @wiwa
Take a look at this thread
http://www.shapeways.com/forum/index.php?t=msg&goto=6264 2&&srch=jacant#msg_62642

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Subject: Re: Want to pay for a modeler to help us make parts for dental equipment
Posted by denali3ddesign on Sat, 16 Mar 2013 14:11:44 GMT

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Hi Mason,

I can help you with this.  I have successfully printed 1/4" threads from Shapeways (thread spacing 1.27mm trough to trough).

If you PM or email me (marcus @ denali3ddesign .com), I'll be happy to show example photos and discuss further.

-Marcus