
From: Eric Sugalski <eric@bostondevice.com>
Sent: Wednesday, May 18, 2011 1:24 PM CDT
To: Nathan Moskowitz <nmosk@hotmail.com>; Andy Moskowitz <andymoskow@gmail.com>
CC: David Schoon <dschoon@bostondevice.com>
Subject: Fusion Device - Prototype Design & Fabrication
Attachments: 110518_Concept2_Assembly.EASM, 110518_Lumbar_Fusion_Slide2_X1.PDF, 110518_Lumbar_Fusion_Flange_Cap_X1.PDF, 110518_Lumbar_Fusion_Slide1_X1.PDF

Hi Nathan & Andy -

Attached is an e-drawing of the Fusion Device and drawings for the custom machined parts. We are getting a number of quotations on these parts, and we hope to have these back within a day or two. Due to the undercuts on the parts and the contour milling that will be required, we are anticipating that the machining costs may be on the high side. For evaluation purposes, do you think it would make sense to rapid prototype the parts through SLS rather than machining?

There are a few grades of SLS that are very rigid (using glass / aluminum fill). Of course, the textures and appearance would be very different than you would have with a metal, but it may be sufficient for evaluation at a much lower cost than the machining. Please let me know your thoughts on the design and the fabrication when you have a moment.

Thanks,

Eric

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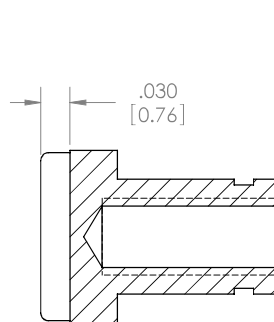
Eric Sugalski
Boston Device Development, Inc
office - (617) 279-0057 x703
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NOTES:

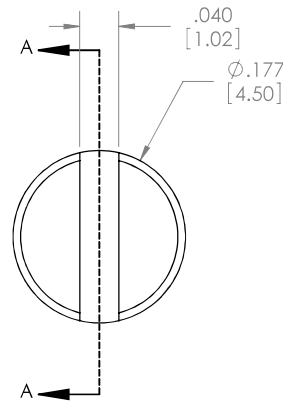
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	X1	FILE FOR QUOTE	5/17/2011	DJS



SECTION A-A
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[3.05±0.05]

.020±.002
[0.50±0.05]

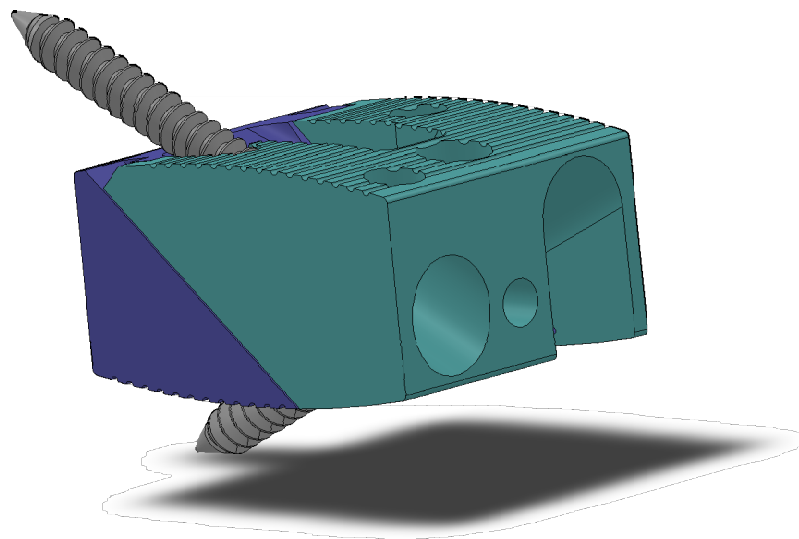
Ø.106^{+.000}_{-.001}
2.70 0
[2.70 -0.03]

Ø .063[1.60] ∇ .177[4.50]
M2X0.4 ∇ .177[4.50]

Ø.118±.002
[3±0.05]

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DRAWING IS THE SOLE PROPERTY OF
"INSERT COMPANY NAME HERE". ANY
REPRODUCTION IN PART OR AS A WHOLE
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"INSERT COMPANY NAME HERE" IS
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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	119 BRAINTREE STE 512 BOSTON, MA 02134 (617)279-0057
		DIMENSIONS ARE IN INCHES	DJS	05/18/11	
		TOLERANCES:			
		FRACTIONAL ±	CHECKED		
		ANGULAR: MACH ± BEND ± 2	ENG APPR.		
		TWO PLACE DECIMAL ± .010	MFG APPR.		TITLE: LUMBAR FUSION FLANGE CAP
		THREE PLACE DECIMAL ± .003	Q.A.		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:		
		MATERIAL			SIZE DWG. NO. REV B Concept2_LeadScrew X1
		FINISH			
NEXT ASSY	USED ON	DO NOT SCALE DRAWING			SCALE: 8:1 WEIGHT: SHEET 1 OF 1



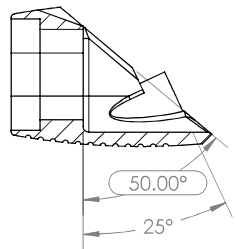
NOTES:

1. BREAK ALL HARD EDGES.
2. REFER TO 3D FILE FOR TRUE DIMENSIONS.

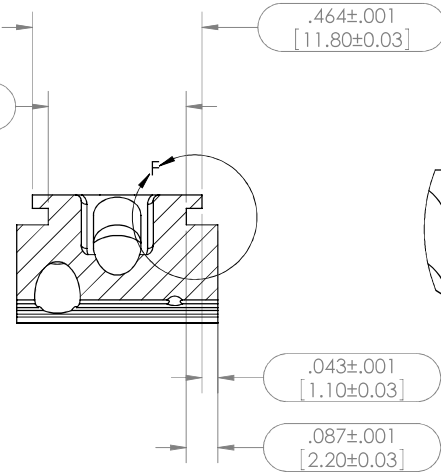


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
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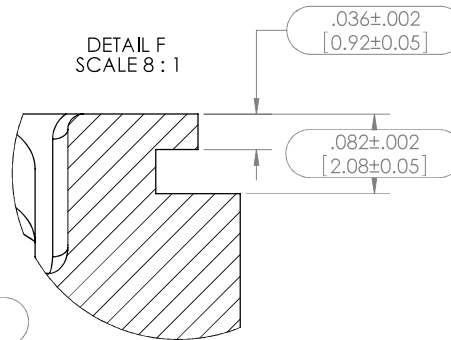
SECTION A-A



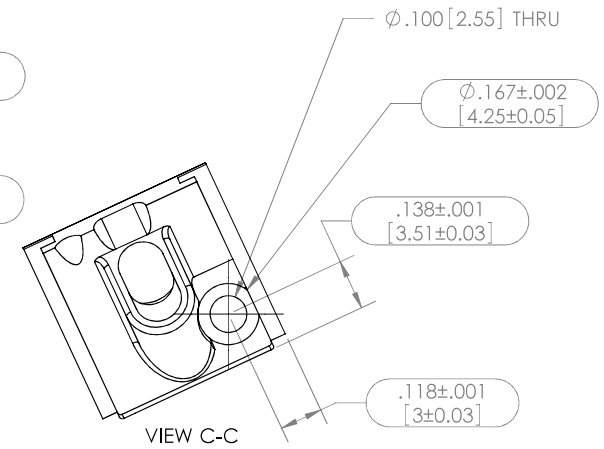
SECTION B-B
SCALE 3 : 1



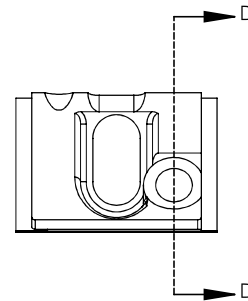
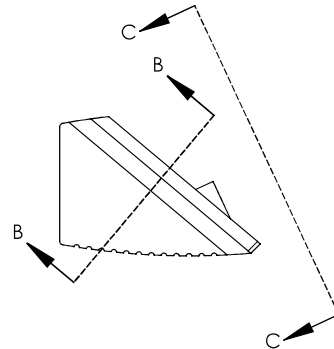
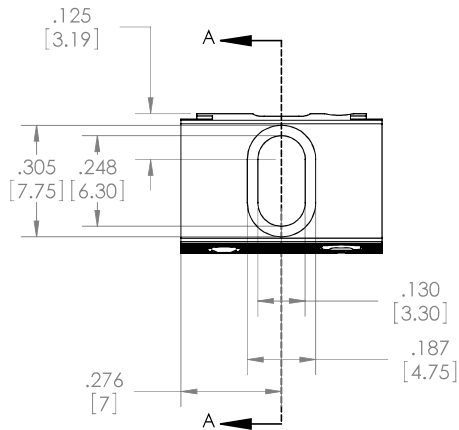
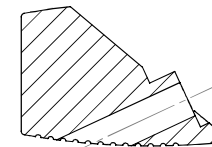
DETAIL F
SCALE 8 : 1



VIEW C-C



SECTION D-D
SCALE 3 : 1

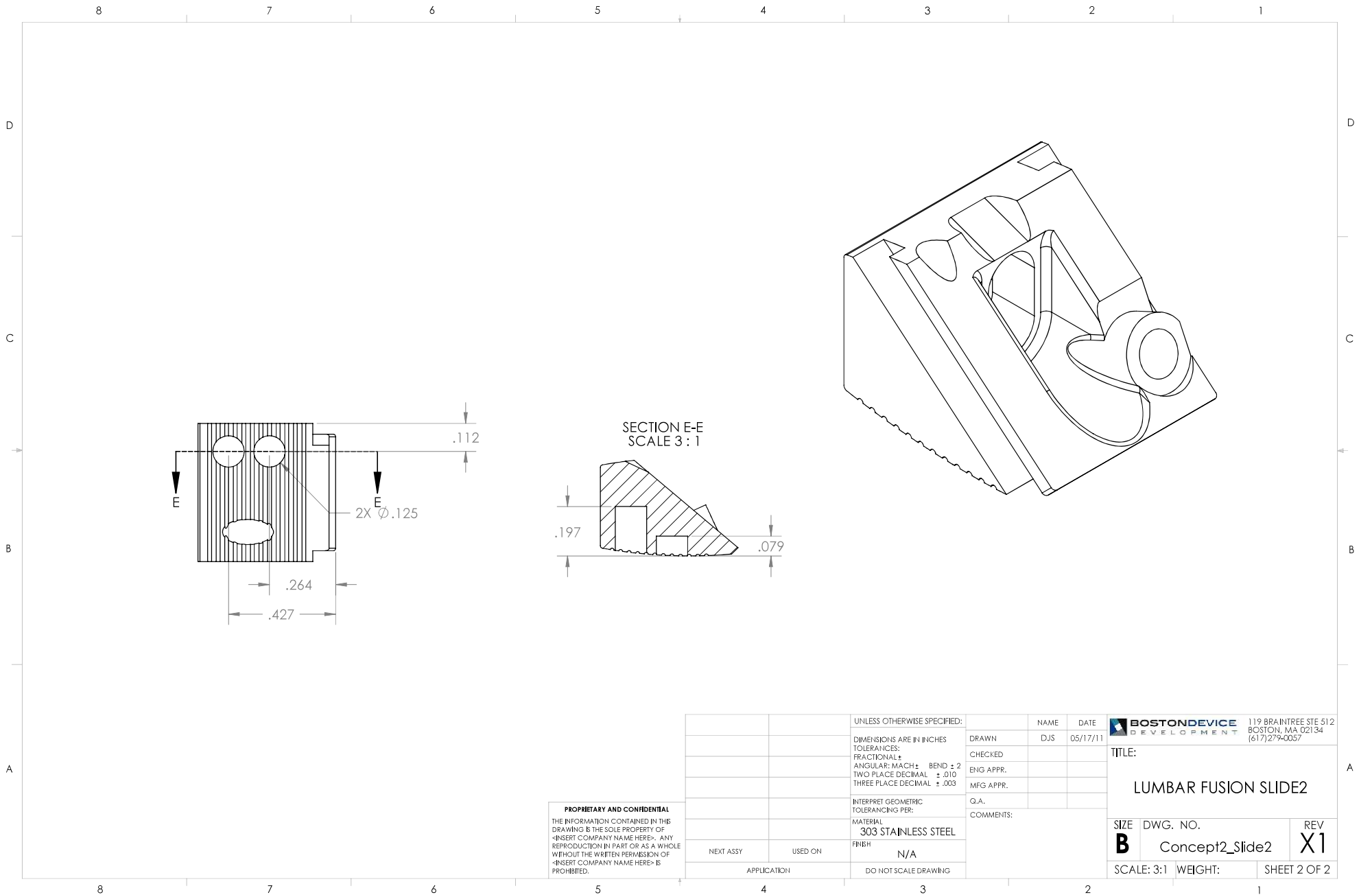


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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	 119 BRAINTREE STE 512 BOSTON, MA 02134 (617)279-0057	
		DIMENSIONS ARE IN INCHES	DRAWN	DJS		TITLE: LUMBAR FUSION SLIDE2
		TOLERANCES:	CHECKED			
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ± 2	MFG APPR.			
		TWO PLACE DECIMAL ± .010				
		THREE PLACE DECIMAL ± .003	Q.A.			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
		MATERIAL	SIZE DWG. NO.			REV
		303 STAINLESS STEEL	B Concept2_Slide2			X1
		FINISH	SCALE: 3:1 WEIGHT:			SHEET 1 OF 2
		N/A				
		DO NOT SCALE DRAWING				
NEXT ASSY	USED ON	APPLICATION				

MOSKOWITZ-00085080
Moskowitz Exhibit 2029,

Medtronic v. Moskowitz IPR2026-00216 p. 4



1. BREAK ALL SHARP EDGES.
2. REFER TO 3D FILE FOR TRUE DIMENSIONS.

