

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR: 0.1mm
ANGULAR: 0.5 degrees

FINISH:
Ra 3.2

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

NAME	SIGNATURE	DATE		
DRAWN Tina Eslami	ID: 10366592			
CHK'D				
APPV'D				
MFG				
Q.A				
			MATERIAL:	
			Cast Aluminium Alloy	
			(3000 series)	
			WEIGHT:	

TITLE:

Motor Bracket

DWG NO.

A4

SCALE:1:1

SHEET 1 OF 1

4

3

2

1

F

F

E

E

D

D

C

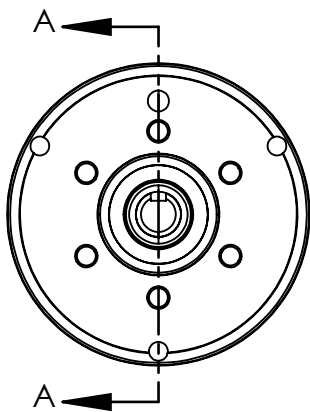
C

B

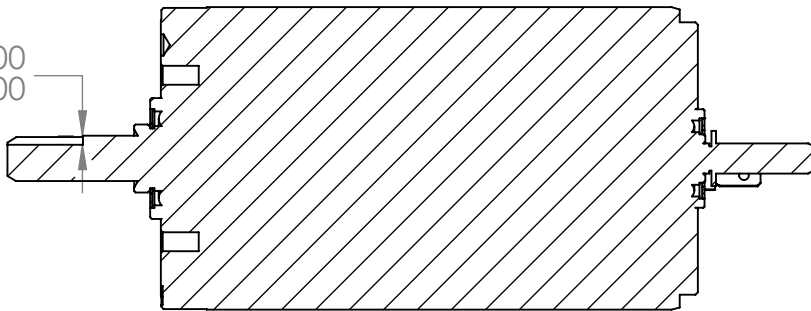
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A

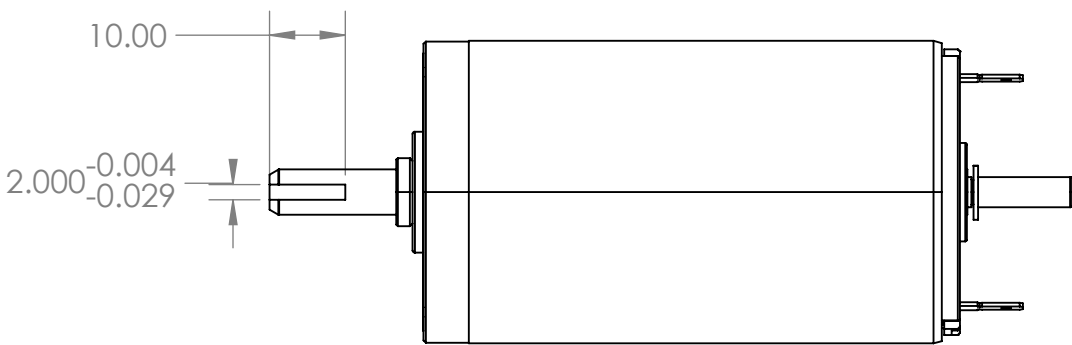
A



1.176^{+0.100}_{0.000}



SECTION A-A
SCALE 1 : 1



UNLESS OTHERWISE SPECIFIED:
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REVISION

	NAME	SIGNATURE	DATE		
DRAWN	Tina Eslami	ID 10366592			
CHK'D					
APPV'D					
MFG					
Q.A					

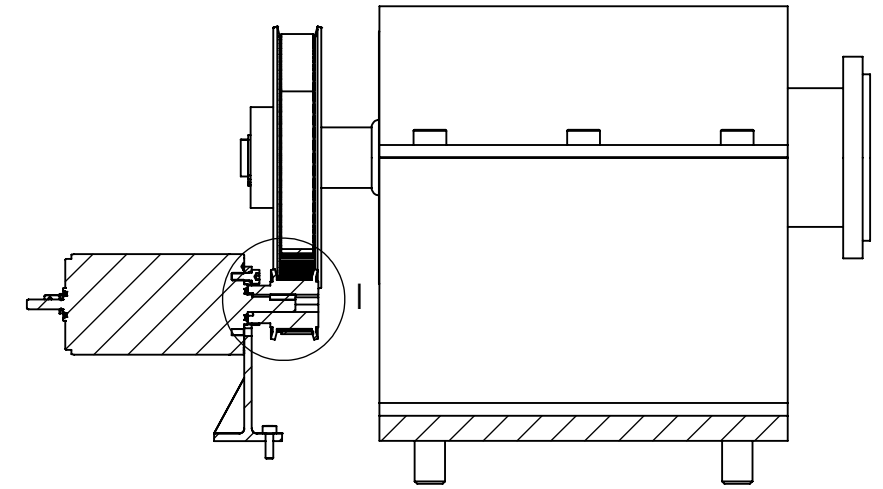
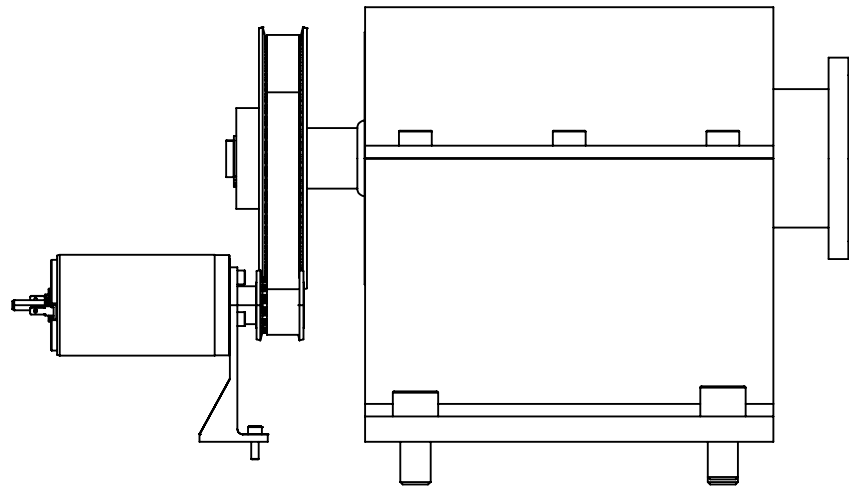
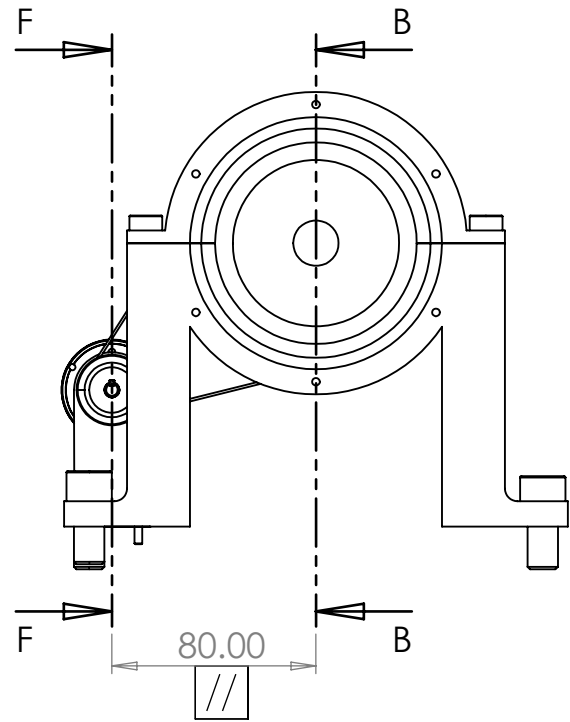
TITLE:		Parallel Keyway	
DWG NO.		A4	
SCALE:1:2		SHEET 1 OF 1	

4

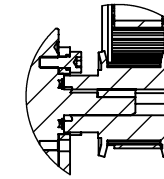
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2

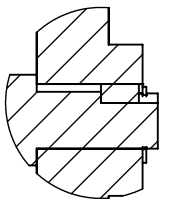
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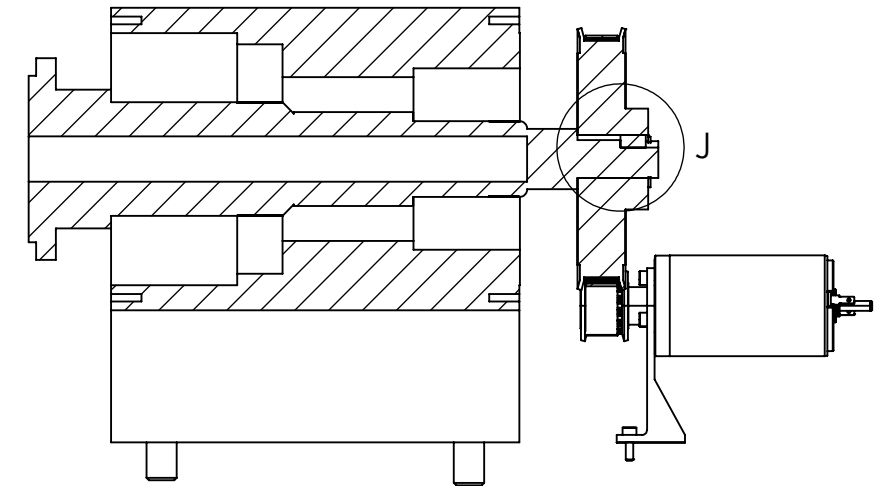
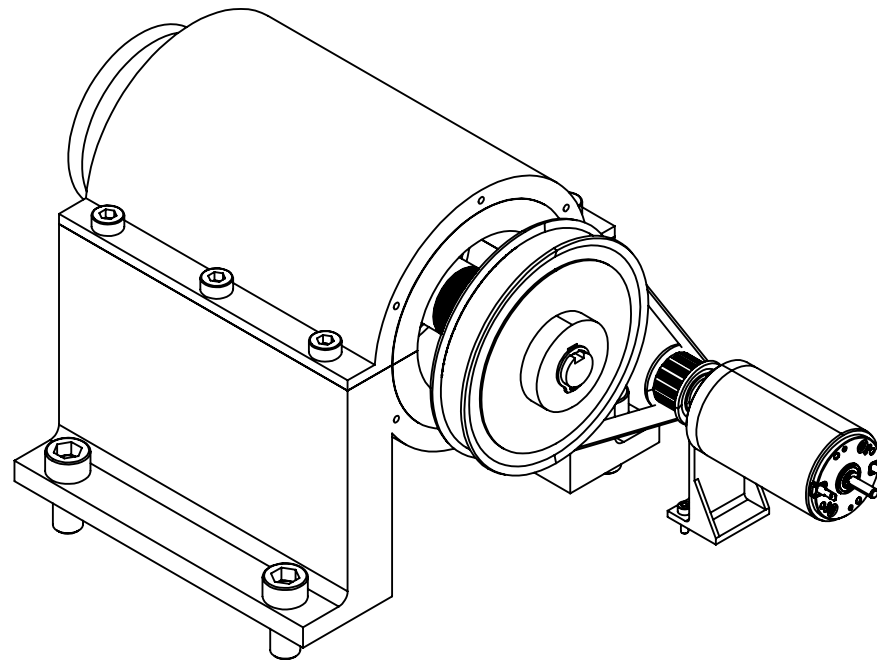
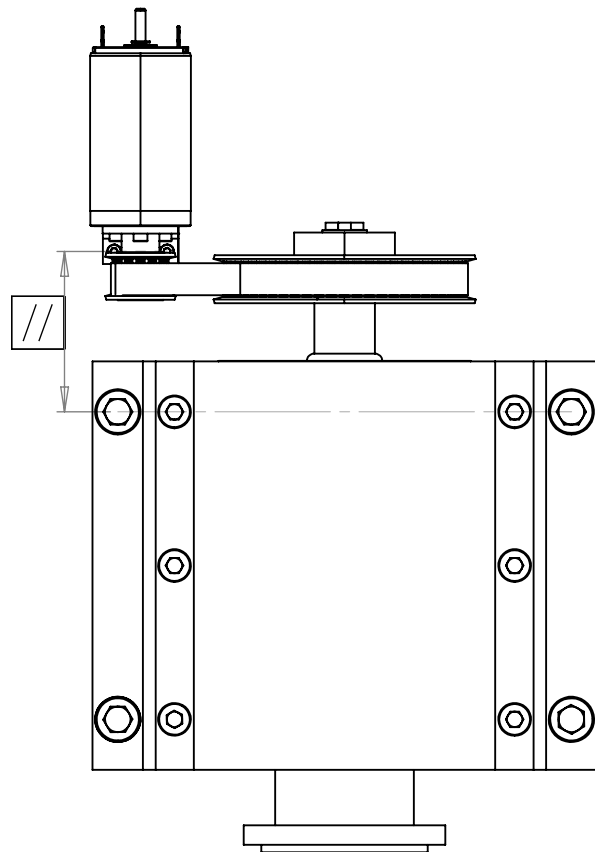
SECTION F-F
SCALE 1 : 3



DETAIL I
SCALE 1 : 2

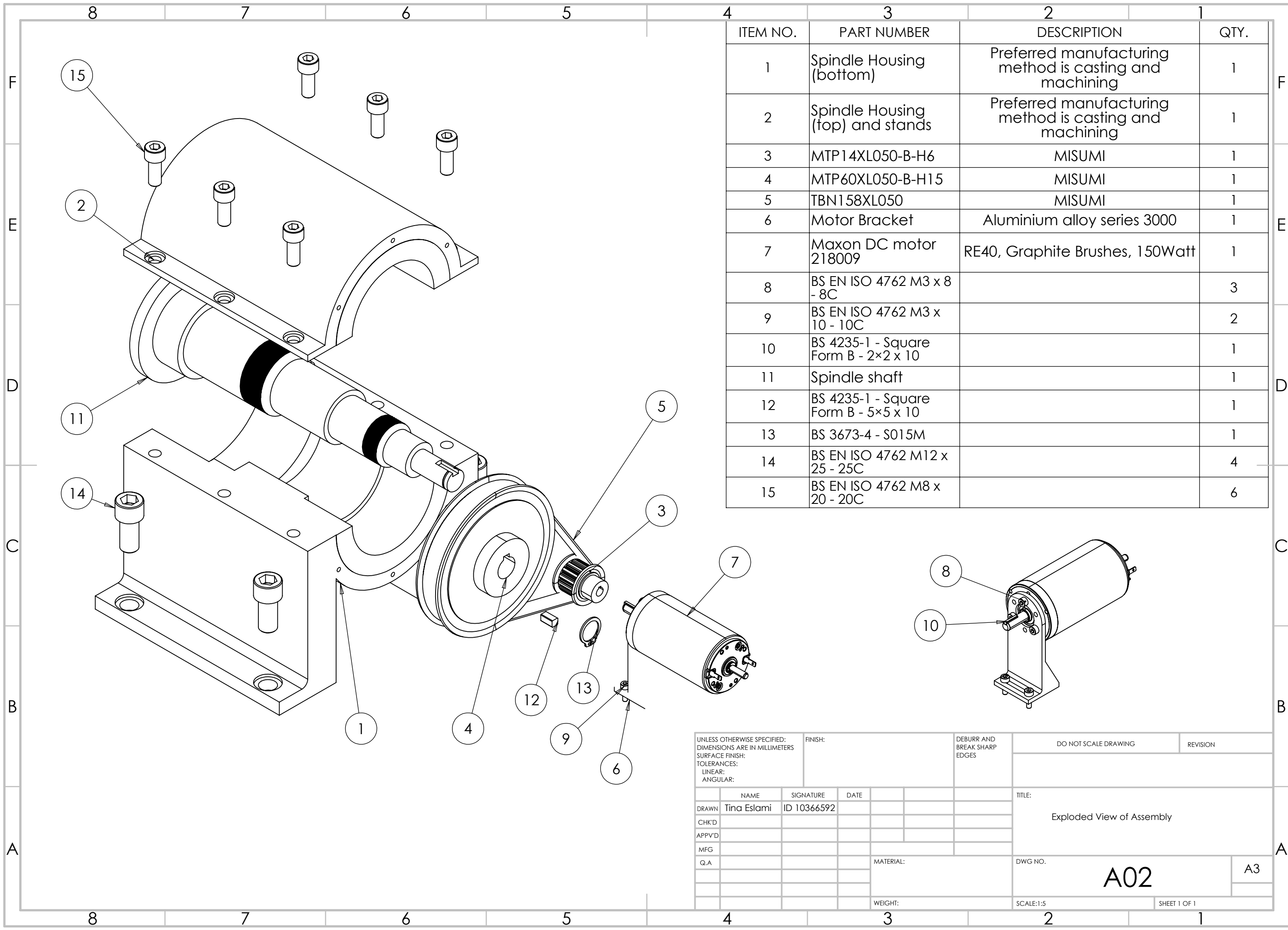


DETAIL J
SCALE 1 : 2



SECTION B-B
SCALE 1 : 3

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: 0.1mm ANGULAR: 0.5 degrees				FINISH: Ra 3.2		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
	NAME		SIGNATURE		DATE				TITLE: Assembly Drawing and cross-section		
DRAWN	Tina Eslami		ID: 10366592								
CHK'D											
APPV'D											
MFG											
Q.A											
					MATERIAL:			DWG NO.		A01	
					WEIGHT:			SCALE:1:3		SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Spindle Housing (bottom)	Preferred manufacturing method is casting and machining	1
2	Spindle Housing (top) and stands	Preferred manufacturing method is casting and machining	1
3	MTP14XL050-B-H6	MISUMI	1
4	MTP60XL050-B-H15	MISUMI	1
5	TBN158XL050	MISUMI	1
6	Motor Bracket	Aluminium alloy series 3000	1
7	Maxon DC motor 218009	RE40, Graphite Brushes, 150Watt	1
8	BS EN ISO 4762 M3 x 8 - 8C		3
9	BS EN ISO 4762 M3 x 10 - 10C		2
10	BS 4235-1 - Square Form B - 2×2 x 10		1
11	Spindle shaft		1
12	BS 4235-1 - Square Form B - 5×5 x 10		1
13	BS 3673-4 - S015M		1
14	BS EN ISO 4762 M12 x 25 - 25C		4
15	BS EN ISO 4762 M8 x 20 - 20C		6

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DRAWN		Tina Eslami		ID 10366592				TITLE: Exploded View of Assembly		DWG NO. A02		A3	
CHK'D													
APPV'D													
MFG													
Q.A													
				MATERIAL:				SCALE:1:5					
				WEIGHT:				SHEET 1 OF 1					