



ITEM #	Part Number	DESCRIPTION	QTY.
1	AS02152	Rotor Assembly	1
2	91290A154	M4-.7 x 16mm Blk Ox Alloy	6
3	91290A432	M8-1.25 x 25mm Blk Ox Alloy	12
4	91290A536	M8-1.25 x 60mm Blk Ox Alloy	6
5	91585A799	8x24mm Dowel Pin 18-8	1
6	MH02150	Motor Housing Lower	1
7	MH02151	Motor Housing Upper	1
8	VN02149	QTR160-34-N Stator W Halls	1
9	VN02150	175MM Encoder Stator	1
10	VN02154	0.25x0.25x4.5 C Bearing	1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM
NO DECIMAL: ± .5
ONE PLACE DECIMAL: ± .2
TWO PLACE DECIMAL: ± .1
ANGULAR: MACH ±0.3° BEND ±1°
BREAK SHARP EDGES 0.2-0.5

PROPRIETARY AND CONFIDENTIAL:
THE DATA HEREIN INCLUDE CARNEGIE MELLON UNIVERSITY PROPRIETARY DATA. REPRODUCTION AND DISTRIBUTION ARE RESTRICTED.

ADHERE PART TO CAD GEOMETRY TO WITHIN:

0.3

A

B

C

NEXT ASSY

PROJECTION
THIRD ANGLE

GEOMETRIC TOLERANCING
PER: ASME Y14.5-2018

INITIALS

DATE

MATERIAL:

CHECKED BY

DO NOT SCALE DRAWING

APPROVED BY

Carnegie Mellon University

The Robotics Institute

TITLE:
Motor Housing

SIZE

DWG. NO.

REV

B

AS02150

PR3

SCALE: 1:3

WEIGHT:

SHEET 1 OF 1