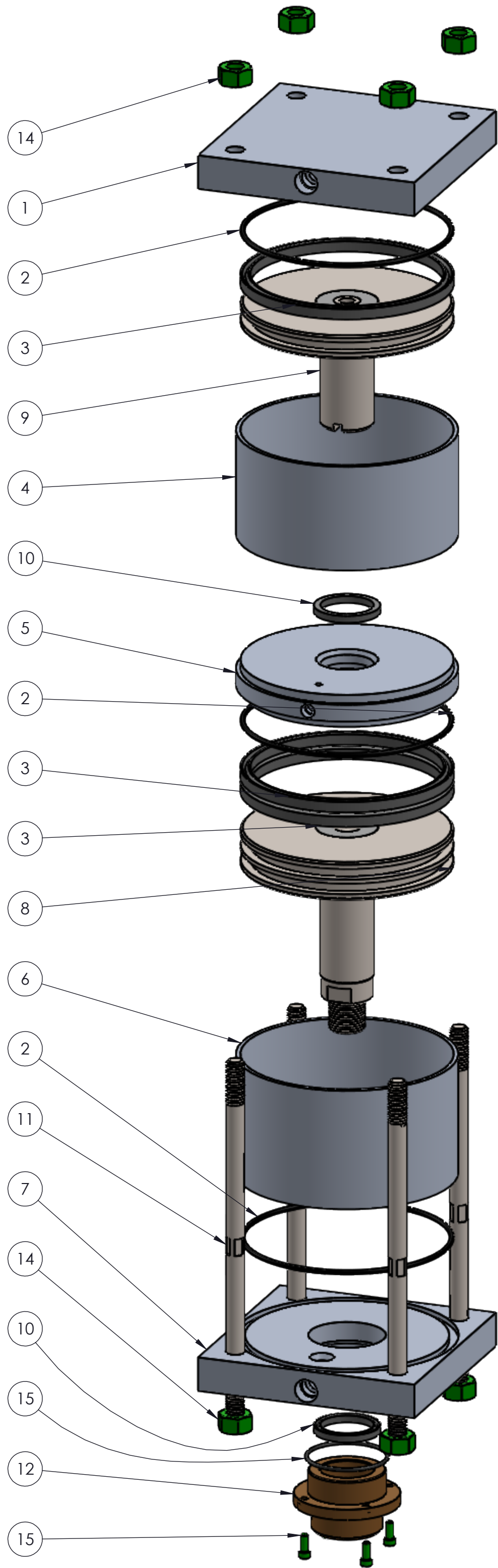
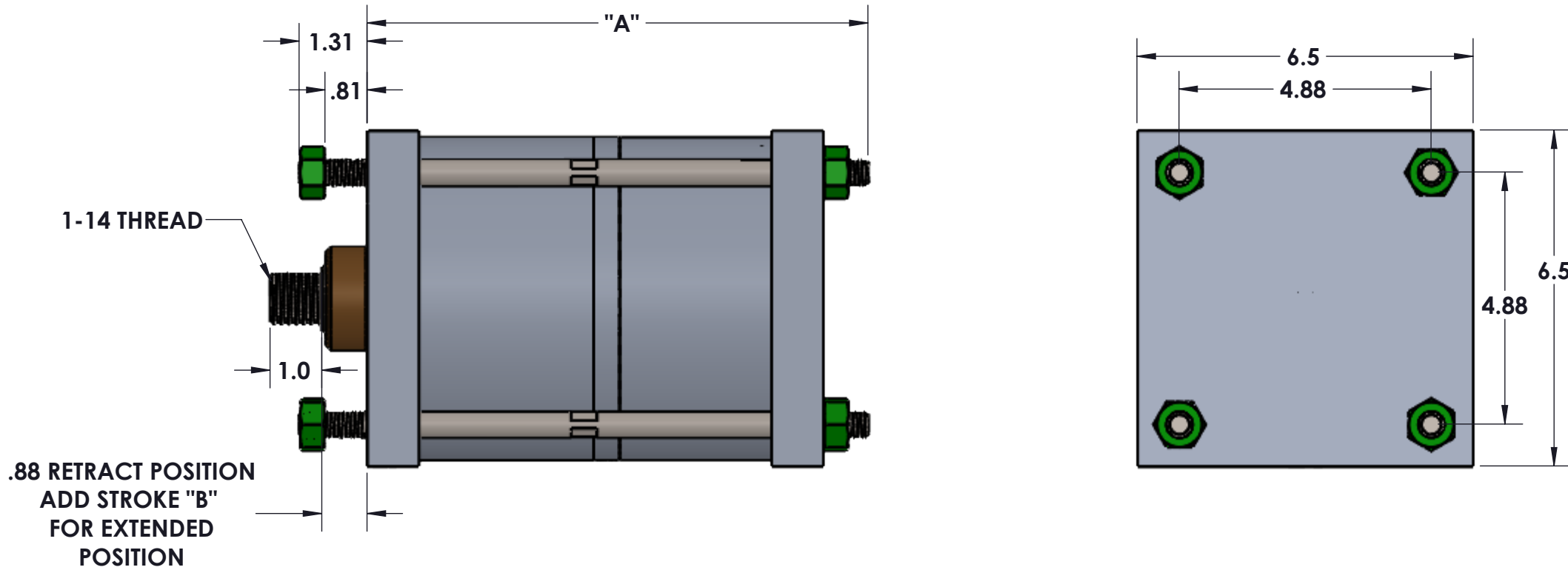


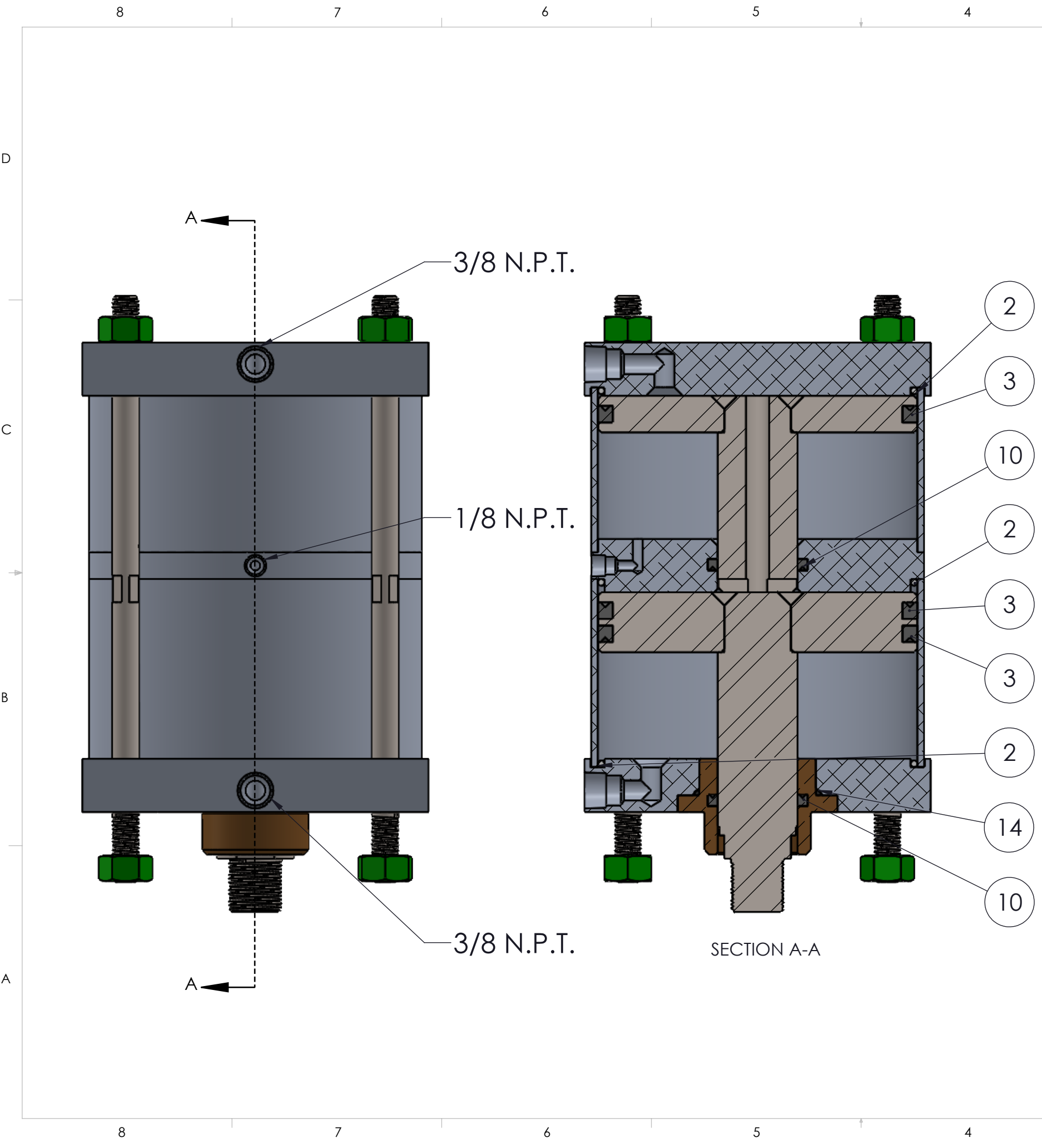


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	Vendor
1	A43-A001-001	END CAP	1	CMT
2	A43-A001-002	O-RING #2-256 N674-70	3	ZATKOFF
3	A43-A001-003	PISTON SEAL #840905437 N4180A80	3	ZATKOFF
4	A43-A001-004	UPPER SLEEVE	1	CMT
5	A43-A001-005	MIDDLE PLATE	1	CMT
6	A43-A001-006	LOWER SLEEVE	1	CMT
7	A43-A001-007	FRONT CAP WITH BUSHING	1	CMT
8	A43-A001-008	PISTON	1	CMT
9	A43-A001-009	PISTON UPPER	1	CMT
10	A43-A001-010	ROD SEAL #840601500 N4180A80	2	ZATKOFF
11	A43-A001-011	TIE ROD	4	CMT
12	A43-A001-012	GUIDE BUSHING	1	CMT
15	A43-A001-013	O-RING #2-136 N674-70	1	ZATKOFF
14	HHN - 0500.13	HEAVY HEX NUT	8	STD
15	SHCS - #10.32	SOCKET HEAD CAP SCREW	4	STD



A43-A001-000 STROKE OPTIONS		
RAM CYLINDER	"A"	"B" STROKE [INCH]
A43-100-000	7.68"	1.00"
A43-200-000	9.68"	2.00"
A43-300-000	11.68"	3.00"
A43-350-000	12.68"	3.50"
A43-400-000	13.68"	4.00"

B	UPDATED BOM PART# DESCRIPTIONS	4/29/2024	NV
A	ADDED ROD GUIDE BUSHING	11/2020	JJS
REV.	DESCRIPTION	DATE	APPROVED
UNLESS OTHERWISE SPECIFIED:	NAME	DATE	
DIMENSIONS ARE IN INCHES	DRAWN	JJS	4/20/16
TOLERANCES:	CHECKED		
FRACTIONAL: ±	ENG APPR.		
ANGULAR: MACH ±	MFG APPR.		
TWO PLACE DECIMAL ±			
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
MATERIAL	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF COLUMBIA MARKING TOOLS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF COLUMBIA MARKING TOOLS IS PROHIBITED.		
FINISH			
DO NOT SCALE DRAWING			
TITLE: A43-A001-000 #4390 RAM CYLINDER 1.0", 2.0", 3.0", 3.5", & 4.0" STROKE		CMT STANDARD REV B	
SCALE: 1:2		WEIGHT:	SHEET 1 OF 11



A43-A001-000 RAM-CYLINDER REPLACEMENT SEAL KIT 1.0", 2.0", 3.0", 3.5" & 4.0" STROKES			
ITEM#	PART#	DESCRIPTION	QTY.
2	A43-A001-002	O-RING	3
3	A43-A001-003	PISTON SEAL	3
10	A43-A001-010	ROD SEAL	2
14	A43-A001-013	GLAND SEAL	1

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
COLUMBIA MARKING TOOLS. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
COLUMBIA MARKING TOOLS IS
PROHIBITED.

NAME

DATE

JJS

4/20/16

CMT COLUMBIA MARKING TOOLS
27430 LUCKINO DRIVE CHESTERFIELD, MI 48047

TITLE:
A43-A001-000
#4390_RAM CYLINDER
1.0", 2.0", 3.0", 3.5", & 4.0" STROKE
CMT STANDARD

SIZE
B

DWG. NO.
A43-A001-000

REV
B

SCALE: 1:2

WEIGHT:

SHEET 2 OF 11