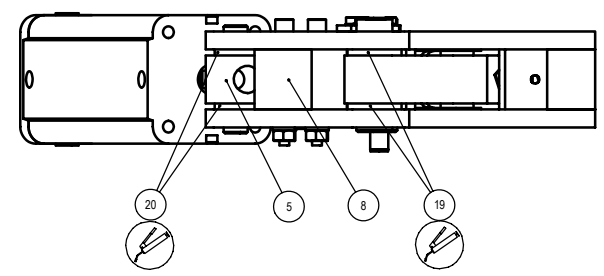
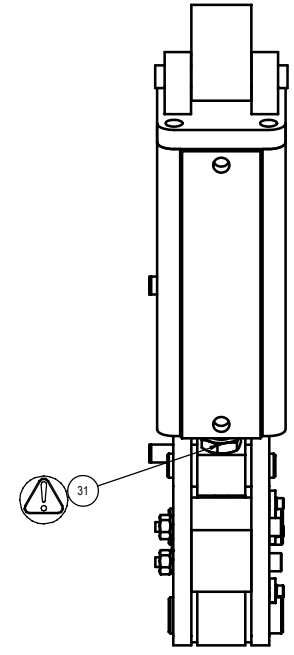
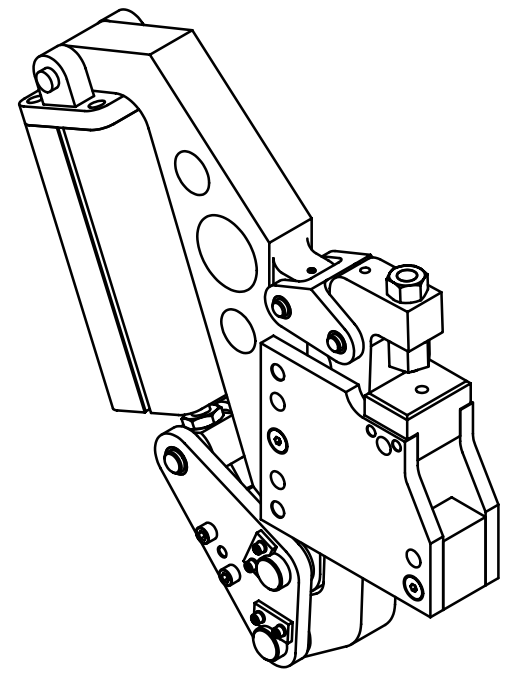
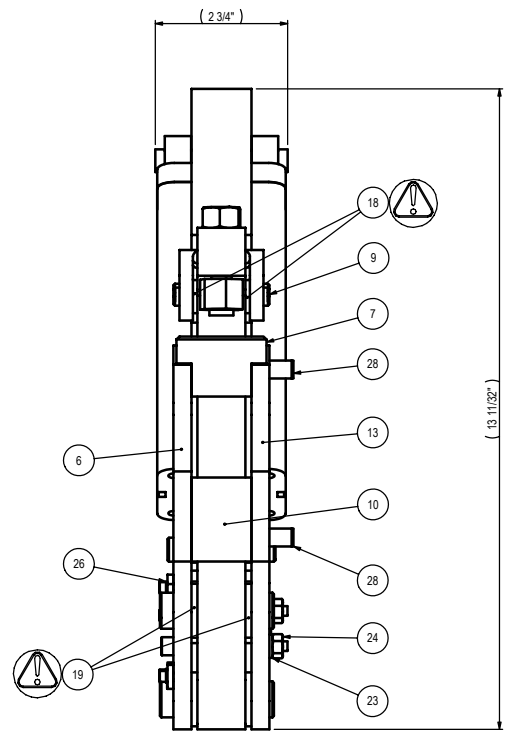
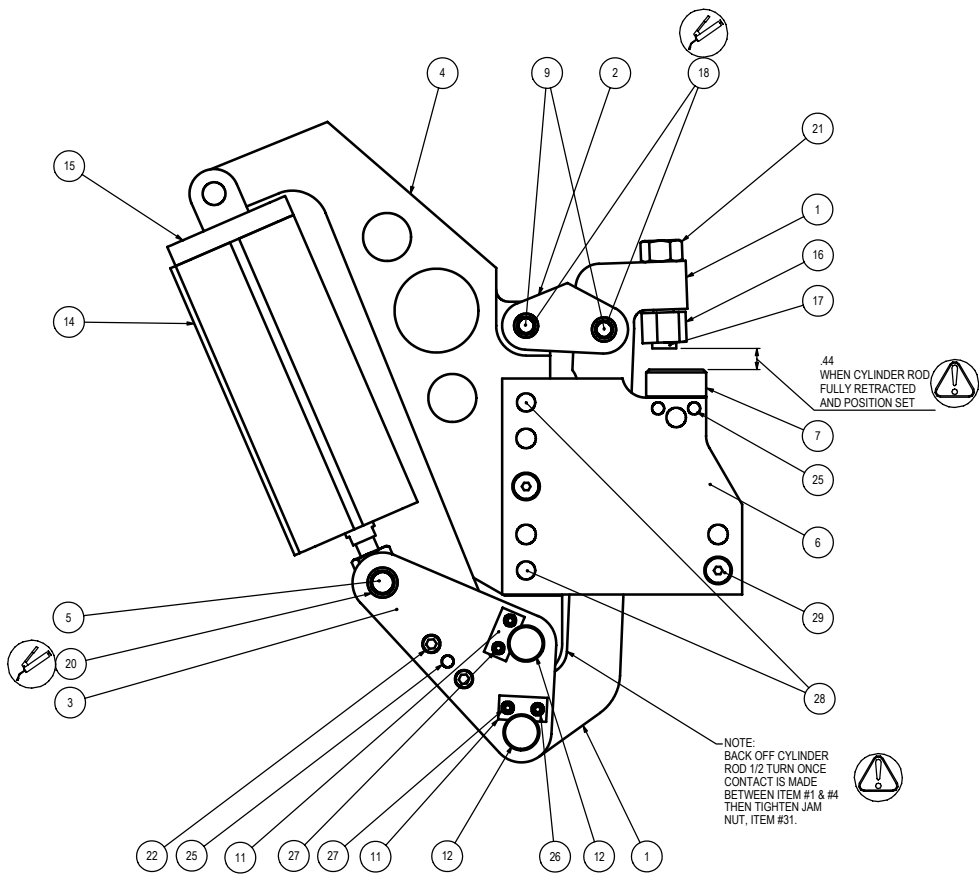
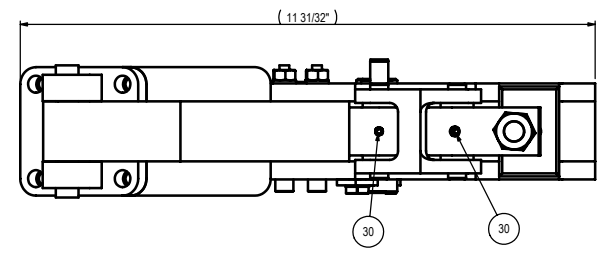


APPLIED KINETICS STANDARD IS TO INCLUDE FASTENERS WITH BALLOONS. CUSTOMER OPTION TO OMIT FASTENER BALLOONS OR FASTENERS AND FASTENER BALLOONS TO SAVE ON PROJECT HOURS

ITEM	QTY.	PART NO. / CAT NO.	DESCRIPTION	MATERIAL / MANUFACTURER
1	1	AK0002M0020	CLAMP ARM	AISI C1018 CRS FB
2	1	AK0002M0021	CLAMP ARM LINK	6061-T6 AL FB
3	2	AK0002M0022	CYLINDER LINK ARM	AISI C1018 CRS FB
4	1	AK0002M0023	SPINE	6016-T6 AL FB
5	1	AK0002M0024	CYLINDER TRUNION	AISI C1018 CRS RND
6	1	AK0002M0025	MOUNTING PLATE TYPE 1	6016-T6 AL FB
7	1	AK0002M0026	JAW	AISI A2 TOOL STEEL
8	1	AK0002M0027	CYLINDER LINK SPACER	6061-T6 AL FB
9	2	AK0002M0028	PIVOT PIN	STD DOWEL PIN
10	1	AK0002M0029	MOUNTING PLATE SPACER	6016-T6 AL FB
11	2	AK0002M0030	KEY	AISI C1018 CRS FB
12	2	AK0002M0031	PIVOT PIN	AISI A2 TS DRILL ROD
13	1	AK0002M0032	MOUNTING PLATE TYPE 2	6016-T6 AL FB
14	1	157 206 ADVU-50-120-A-P-A	SHORT-STROKE CYLINDER	FESTO
15	1	SUA-50	CLEVIS MOUNT	FESTO
16	1	CL-815-GSB	GRIPPER SWIVEL BODY	CARR-LANE
17	1	CL-8-RGF	SWIVEL CONTACT GRIPPER	CARR-LANE
18	4	3/8x12x3/8	FLANGED BRONZE BUSHING	ANY
19	4	3/4x7/8x12	FLANGED BRONZE BUSHING	ANY
20	2	1/2x5/8x12	FLANGED BRONZE BUSHING	ANY
21	1	1/2-13 UNC	ALLOY STL NUT GR 5	ANY
22	2	1/4-20 UNC x 2 3/8	ALLOY STL SHCS GR5	ANY
23	2	1/4	STL LOCKWASHER	ANY
24	2	1/4-20 UNC	ALLOY STL NUT GR 5	ANY
25	3	1/4 x 2 L	STL DOWEL PIN	ANY
26	4	#6	STL LOCKWASHER	ANY
27	4	#6-32 UNC x 1/2	ALLOY STL SHCS GR5	ANY
28	2	3/8 x 2 1/2 L	STL DOWEL PIN	ANY
29	4	1/4-20 UNC x 3/4	ALLOY STL FHCS GR5	ANY
30	2	#10-32 UNF x 3/8	ALLOY STL SET SCR - CUP PT	ANY
31	1	M12x1.75	MET ALLOY STL HEX JAM NUT CL8.8	SUPPLIED WITH FESTO CYL.



MAINTENANCE / REBUILDING LEGEND

- FOLLOW SPECIFIC ASSEMBLY PROCEDURE
- LUBRICATION POINT, GREASE REQUIRED
- LUBRICATION POINT, OIL REQUIRED
- SPECIAL ADHESIVES OR SEALANTS SHOULD BE USED
- FASTENER(S) REQUIRING SPECIAL ATTENTION TO APPLIED TORQUE
- PART WHICH REQUIRES PERIODIC REPLACEMENT
- PERIODIC TENSIONING REQUIRED
- OIL LEVEL RECOMMENDED OIL LEVEL

NOTE: QTY. 2 AS SHOWN
QTY. 2 MIRROR IMAGE TO SHOWN

ZONE	REV.	DESCRIPTION	DATE	BY
NOTES				
THIRD ANGLE PROJECTION		SolidWorks ISO METRIC DRAWING NO MANUAL CHANGES	METRIC REFERENCE DIMENSIONS ARE INDICATED IN SQUARE PARENTHESES (METRIC)	DIMENSIONS SHOWN IN ROUND PARENTHESES ARE FOR REFERENCE ONLY (REF.)
ENGINEER	AKNC	Applied Kinetics Professional Engineering and Design Services		
DRAWN	AKNC	CLIENT: AAA AUTOMATION SERVICES CUSTOMER: A1 CASTING COMPANY		
DATE	2000.08.11	CLIENT PROJ. NUM.: 1234 PROJECT: BELL HOUSING DEGATE		
DWG. SCALE	1:2	GRIPPER CLAMP SUB-ASSEMBLY HOUSING GRIPPER		
TOTAL QTY.	4	SIZE	D	SHEET OF 1
APPLIED KINETICS PROJECT CODE	AK0002	DRAWING NUMBER	A0002	REV. A0