

PART NUMBER	REVISION	DESCRIPTION	FEED TYPE
2151087-1	K	FINE CRIMP HEIGHT ADJUST	MECHANICAL
2151087-2	K	FINE CRIMP HEIGHT ADJUST	PNEUMATIC
5-2151087-1	K	SEAL STRIPPER CRIMPER TERMINATING UNIT	MECHANICAL
5-2151087-2	K	SEAL STRIPPER CRIMPER TERMINATING UNIT	PNEUMATIC
7-2151087-1	K	MECHANICAL AND CRIMP TOOLING KIT	MECHANICAL
7-2151087-2	K	PNEUMATIC AND CRIMP TOOLING KIT	PNEUMATIC
7-2151087-7	E	CRIMP TOOLING KIT	-

ATLANTIC VERSION TERMINATOR INTERFACE ADAPTER



APPLICATOR DATA		
CRIMP	SIZE	TYPE
WIRE	1.78 mm [.070]	F
INSUL	3.30 mm [.130]	F

APPLICATOR INSTRUCTIONS 408-35042

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: AMP UNIVERSAL POWER CONNECTOR TAB CONTACT			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
2.70-3.70 mm [.106-.146 IN]		Ø1.70-3.30 mm [.067-.130 IN]	
TERMINAL APPLICATION SPECIFICATION	(A)114-5142		
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
(A)175150-1	(A)175150-2	(A)175152-1	(A)175152-2
(A)175152-4			

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: AMP UNIVERSAL POWER CONNECTOR TAB CONTACT			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
2.70-3.70 mm [.106-.146 IN]		Ø2.00-3.30 mm [.079-.130 IN]	
TERMINAL APPLICATION SPECIFICATION	(A)114-5142		
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
(B) 176758-1			

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
16 AWG OR 1.27mm2	1.25+/-0.05 [.049+/- .002]	4.4
0.50mm2+0.75mm2	1.25+/-0.05 [.049+/- .002]	4.4
18 AWG OR 0.89mm2	1.25+/-0.05 [.049+/- .002]	4.4
20 AWG OR 0.50mm2	1.06+/-0.05 [.042+/- .002]	6.2

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
16 AWG OR 1.27mm2	1.25+/-0.05 [.049+/- .002]	4.4
18 AWG OR 0.89mm2	1.25+/-0.05 [.049+/- .002]	4.4
20 AWG OR 0.50mm2	1.06+/-0.05 [.042+/- .002]	6.2

- RECOMMENDED SPARE PARTS
- REFER TO SUPPLIED INSTRUCTION SHEET FOR CLEANING, LUBRICATION AND STORAGE OF APPLICATOR.
- APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 180. APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.
- CRIMP HEIGHT REFERENCE SETTING WAS THE SETTING USED WHEN THE APPLICATOR WAS QUALIFIED AT THE FACTORY. ADJUSTMENT MAY BE NECESSARY WHEN RUNNING APPLICATOR IN THE FIELD.
- COMBINED INSULATION DIAMETER 3.30mm MAX.
- TERMINAL LUBRICANT IS RECOMMENDED.
- 7. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT, 101-35000.

**\*WARNING**  
 ON INSTALLATION, SET WIRE DISC TO CRIMP HEIGHT REFERENCE SETTING FOR LARGEST WIRE SIZE. CRIMP HEIGHT REFERENCE SETTINGS GREATER THAN THE VALUE SHOWN MAY CAUSE DAMAGE TO THE CRIMP TOOLING, REFER TO THE INSTRUCTION SHEET FOR PROPER SETUP AND ADJUSTMENTS.

LOC	DIST	REVISIONS					
A	66	P	LTN	DESCRIPTION	DATE	OWN	APVD
		H		ECR-18-008649	07JUN2018	JAH	TE
		H1		ECR-19-005384	03APR2019	MZ	YY
		J		ECR-21-111114	23AUG2021	JAH	RK
		K		ECR-21-124454	16DEC2021	JWC	TE

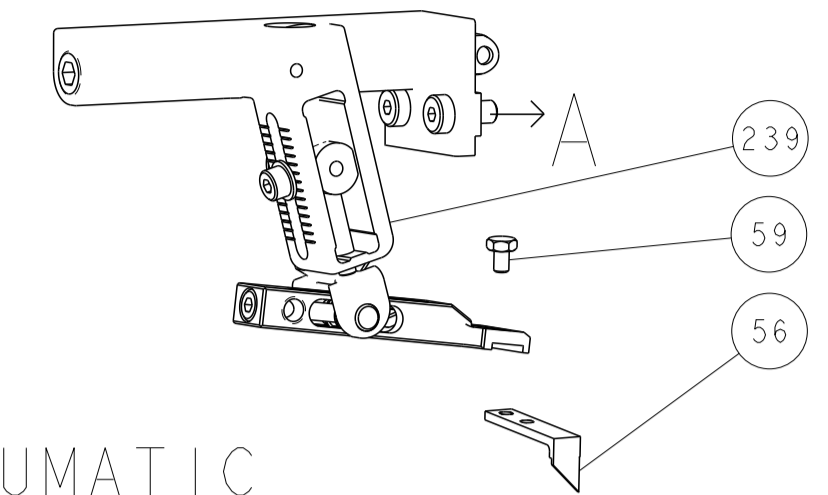
-	-	-	1	1	-	-	1803515-3	RAM ASSEMBLY, SF ATLANTIC	293
-	-	-	1	1	-	-	2-1803583-1	APPLICATOR BASIC ASSEMBLY, SF	292
-	1	-	1	-	1	-	2119641-1	FEED CAM, AIR FEED	248
-	1	1	1	1	1	1	2119082-9	CAM, SNAIL, INSULATION ADJUSTMENT	244
-	1	1	1	1	1	1	2079764-1	WASHER, WAVE SPRING, CREST-TO-CREST	243
-	1	1	1	1	1	1	2119083-1	RETAINER, INSULATION DIAL	242
-	1	1	1	1	1	1	7-18023-7	SCR, SKT HD CAP M3 X 4.0	241
-	-	1	-	1	-	1	2119580-1	MECHANICAL FEED ASSEMBLY	239
-	1	-	1	-	1	-	2844940-1	AIR FEED MODULE	238
-	-	-	1	1	-	-	4-1722335-3	STRIPPER, SIDE FEED	182
-	-	-	1	1	-	-	1-5018030-0	NUT, HEX, REG, RoHS, M3.5	181
-	-	-	1	1	-	-	1-1752354-7	STANDOFF, HOLD-DOWN	180
-	-	-	1	1	-	-	993111-1	PIN, SLOTTED SPRING 3.0 X 20.0	177
-	-	-	1	1	-	-	5-22280-0	SPRING, COMPRESSION	176
-	-	-	1	1	-	-	1752353-3	GUIDE PIN, HOLDDOWN	175
-	-	-	1	1	-	-	1901680-2	GUIDE PIN, HOLDDOWN	174
-	REF	REF	REF	REF	REF	REF	994970-2	COUNTER, MAGNETIC	164
-	1	1	1	1	1	1	2119955-1	ASSY, LUBRICATOR, SIDE FEED	113
-	1	1	1	1	1	1	2844908-1	SCREW, LOCKING	99
-	1	1	1	1	1	1	2844907-1	POST, LOCKING	98
-	1	1	1	1	1	1	455888-5	SPACER, CRIMPER	82
-	1	1	1	1	1	1	1803607-3	DOCUMENTATION PACKAGE	71
-	1	1	1	1	1	1	2119791-6	DEPRESSOR, WIRE	70
-	1	1	1	1	1	1	2119740-1	TAG IDENTIFICATION	67
-	2	2	2	2	2	2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .188	66
-	1	1	1	1	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	60
-	1	1	1	1	1	1	5-18022-5	SCR, HEX HD CAP, M4 X 6.0	59
-	1	1	1	1	1	1	1338685-1	PAWL, FEED	56
-	4	4	4	4	4	4	2168083-3	SCR, SKT HD CAP, RoHS, M4 X 12.0	54
-	2	2	2	2	2	2	1-2168083-0	SCR, SKT HD CAP, RoHS, M4 X 10	53
-	1	1	1	1	1	1	1803382-6	HOLD DOWN, SPRING LOADED	50
-	1	2	1	2	1	2	18023-9	SCR, SKT HD CAP M4 X 6.0	49
-	-	1	-	1	-	1	2119652-1	FEED CAM, PRE FEED	48
-	-	1	-	1	-	1	2119653-1	FEED CAM, POST FEED	47
-	1	1	-	-	1	1	1803583-9	APPLICATOR BASIC ASSEMBLY, SF	46
-	1	1	-	-	1	1	1803515-1	RAM ASSEMBLY, SF ATLANTIC	44
-	1	1	1	1	1	1	1803602-1	SCR, BHSC, RoHS (M8 X 25)	41
-	1	1	1	1	1	1	1752356-6	SUPPORT, TERMINAL	34
-	2	2	2	2	2	2	2079383-5	SCR, BHSC, RoHS (M4 X 20)	33
-	2	2	2	2	2	2	3-2844962-0	SPACER, CYLINDRICAL, STRIP GUIDE	30
-	1	1	1	1	1	1	2844992-1	ASSEMBLY, STRIP GUIDE	29
-	1	1	1	1	1	1	1320928-2	STRIP GUIDE	24
-	1	1	-	-	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	21
-	2	2	1	1	2	2	1-18028-2	WASHER, FLAT, REG M4	20
-	1	1	-	-	1	1	2119533-1	STRIPPER, SIDE FEED	19
-	1	1	1	1	1	1	2119806-1	INSERT, SHEAR	13
-	1	1	1	1	1	1	3-22280-3	SPRING, COMPRESSION	12
-	1	1	1	1	1	1	1-356885-4	STOP, SHEAR	11
-	1	1	1	1	1	1	2119805-1	SHEAR HOLDER, FRONT	10
-	1	1	1	1	1	1	1803095-3	FLOATING SHEAR, FRONT	9
1	2	2	1	1	1	1	4-1333203-7	ANVIL, COMBINATION	8
-	1	1	1	1	1	1	6-240641-4	SPACER	7
-	1	1	1	1	1	1	1-2119757-2	DEPRESSOR, SHEAR	5
-	1	1	1	1	1	1	238011-7	BLOCK, CRIMPER SPACER	4
1	2	2	1	1	1	1	1803260-1	CRIMPER, INSULATION F PREMIUM	3
-	1	1	1	1	1	1	455888-8	SPACER, CRIMPER	2
1	2	2	1	1	1	1	3-456404-6	CRIMPER, WIRE PREMIUM	1

ATLANTIC VERSION  
 Shown on sheets 1 of 4 & 2 of 4  
 (Pacific version shown on sheets 3 of 4 & 4 of 4)

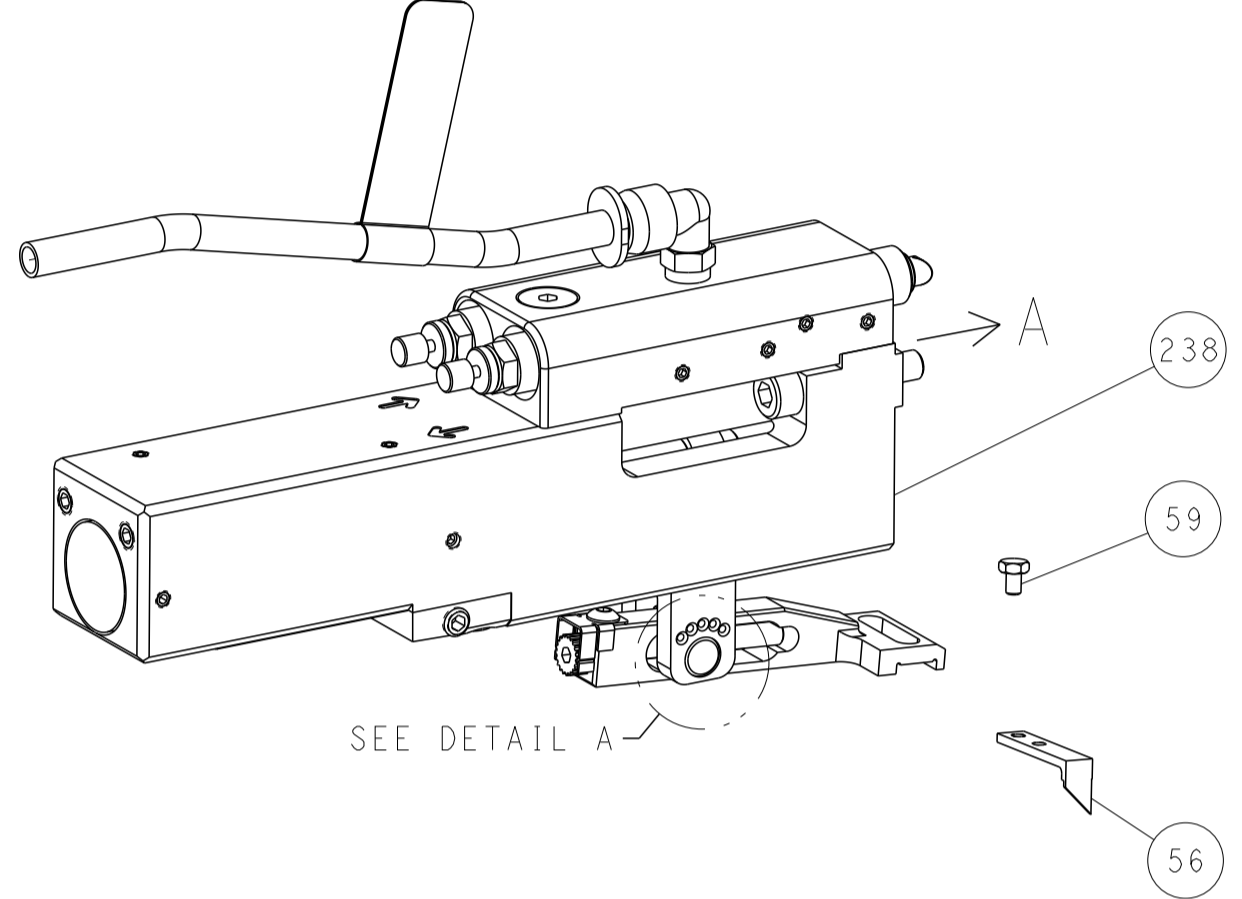
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mm	0 PLC ±	1 PLC ±	2 PLC ±
	3 PLC ±	4 PLC ±	ANGLES ±
MATERIAL:	FINISH:	WEIGHT:	SCALE:
			1:2
PART NO		DESCRIPTION	
-77 -72 -71 -52 -51 -2 -1		PART NO	
OWN: H. HUANG		DATE: 01SEP2011	
APVD: S. XI		DATE: 01SEP2011	
NAME: Ocean Side Feed Applicator		RESTRICTED TO:	
SIZE: A1		CAGE CODE: 00779	
DRAWING NO: 2151087		SHEET 1 OF 4	
Customer Accessible Production Drawing		REV: K	

LOC	DIST	REVISIONS					
A	66	P	LTN	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1			

# FEED TYPE MECHANICAL



## PNEUMATIC

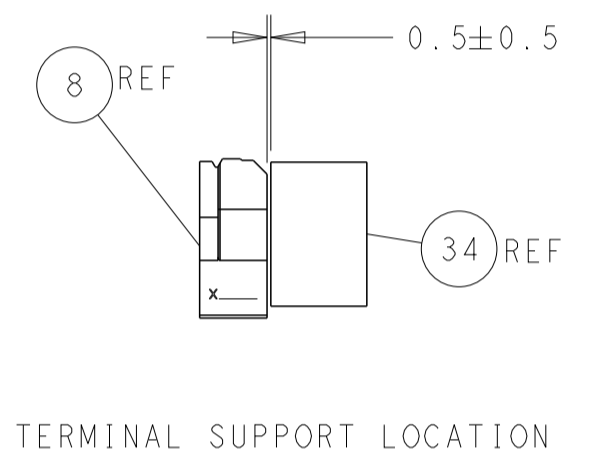
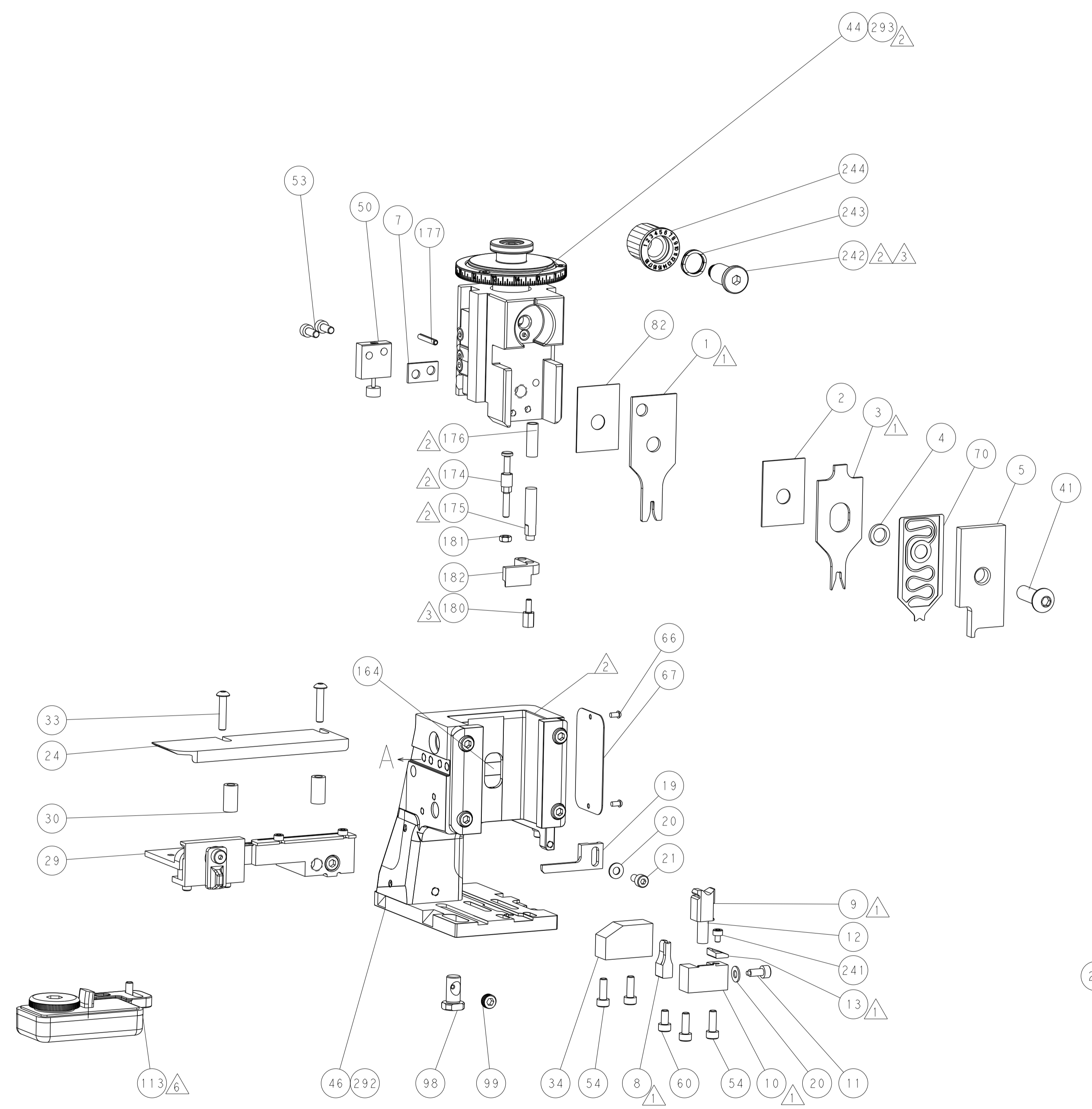
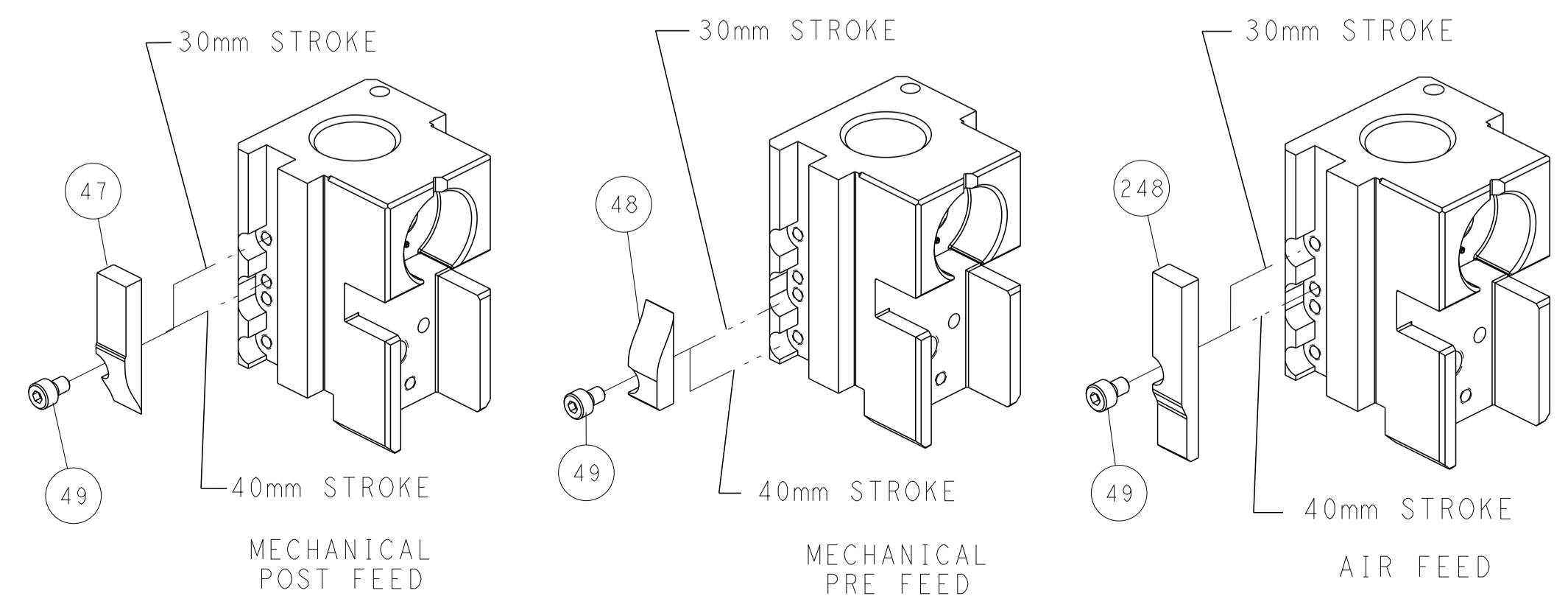


### FEED SPRING SETTING POSITION (SHOWN FROM REAR SIDE)

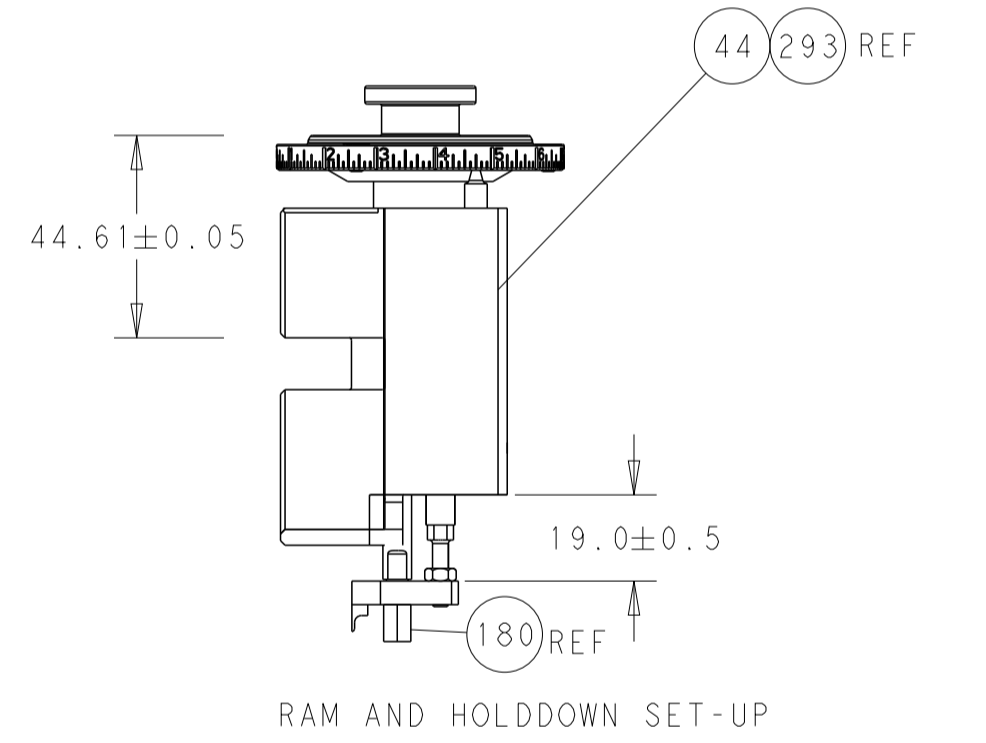


DETAIL A

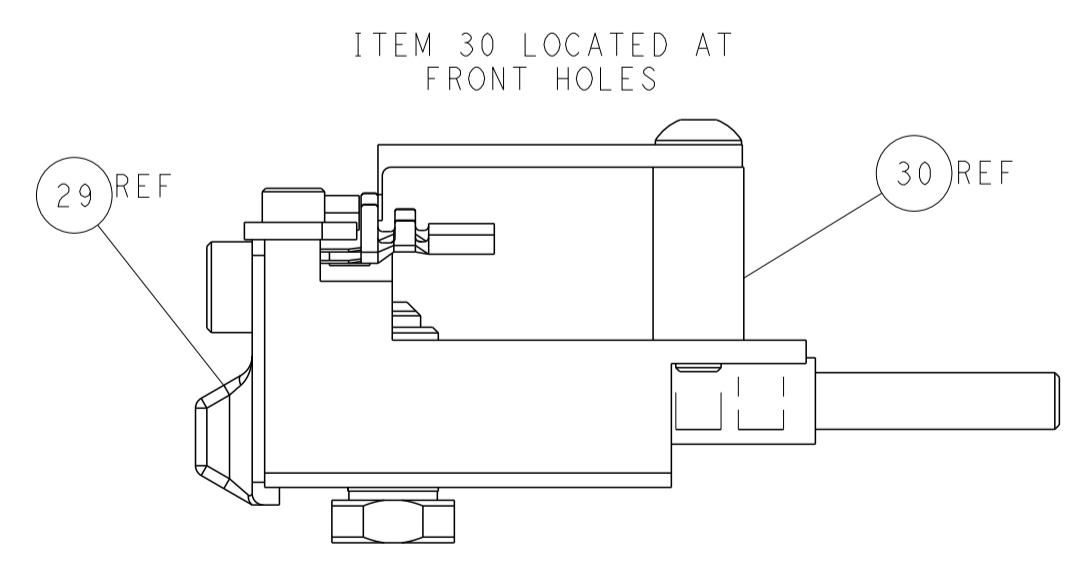
## CAM POSITIONS



TERMINAL SUPPORT LOCATION



RAM AND HOLDDOWN SET-UP



FEED TRACK POSITION GUIDE BY INSULATION BARREL

**ATLANTIC VERSION**  
 Shown on sheets 1 of 4 & 2 of 4  
 (Pacific version shown on sheets 3 of 4 & 4 of 4)

DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH		DWN: R. HUANG 01SEP2011 CHK: S. XI 01SEP2011 APVD: S. XI 01SEP2011 PRODUCT SPEC: - APPLICATION SPEC: - WEIGHT: - MATERIAL: -		NAME: Ocean Side Feed Applicator SIZE: A1 CAGE CODE: 00779 DRAWING NO: C=2151087 SCALE: 1:2 SHEET: 2 of 4 REV: K	
CUSTOMER ACCESSIBLE PRODUCTION DRAWING				RESTRICTED TO: -			

PART NUMBER	REVISION	DESCRIPTION	FEED TYPE
2-2151087-1	K	FINE CRIMP HEIGHT ADJUST	MECHANICAL
2-2151087-2	K	FINE CRIMP HEIGHT ADJUST	PNEUMATIC
7-2151087-7	E	CRIMP TOOLING KIT	-

PACIFIC VERSION TERMINATOR  
INTERFACE ADAPTER



APPLICATOR DATA		
CRIMP	SIZE	TYPE
WIRE	1.78 mm [.070]	F
INSUL	3.30 mm [.130]	F

APPLICATOR INSTRUCTIONS  
408-35042

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: AMP UNIVERSAL POWER CONNECTOR TAB CONTACT			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
2.70-3.70 mm [.106-.146 IN]		Ø1.70-3.30 mm [.067-.130 IN]	
TERMINAL APPLICATION SPECIFICATION	(A)114-5142	-	-
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
(A)175150-1	(A)175150-2	(A)175152-1	(A)175152-2
(A)175152-4			

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: AMP UNIVERSAL POWER CONNECTOR TAB CONTACT			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
2.70-3.70 mm [.106-.146 IN]		Ø2.00-3.30 mm [.079-.130 IN]	
TERMINAL APPLICATION SPECIFICATION	(A)114-5142	-	-
	(B)114-5147	-	-
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
(B) 176758-1			

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
16 AWG OR 1.27mm2	1.25+/-0.05 [.049+/- .002]	4.4
0.50mm2+0.75mm2	1.25+/-0.05 [.049+/- .002]	4.4
18 AWG OR 0.89mm2	1.25+/-0.05 [.049+/- .002]	4.4
20 AWG OR 0.50mm2	1.06+/-0.05 [.042+/- .002]	6.2

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
16 AWG OR 1.27mm2	1.25+/-0.05 [.049+/- .002]	4.4
18 AWG OR 0.89mm2	1.25+/-0.05 [.049+/- .002]	4.4
20 AWG OR 0.50mm2	1.06+/-0.05 [.042+/- .002]	6.2



- RECOMMENDED SPARE PARTS
  - REFER TO SUPPLIED INSTRUCTION SHEET FOR CLEANING, LUBRICATION AND STORAGE OF APPLICATOR.
  - APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.
  - CRIMP HEIGHT REFERENCE SETTING WAS THE SETTING USED WHEN THE APPLICATOR WAS QUALIFIED AT THE FACTORY. ADJUSTMENT MAY BE NECESSARY WHEN RUNNING APPLICATOR IN THE FIELD.
  - COMBINED INSULATION DIAMETER 3.30mm MAX.
  - TERMINAL LUBRICANT IS RECOMMENDED.
7. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT, 101-35000.

**\*WARNING**  
ON INSTALLATION, SET WIRE DISC TO CRIMP HEIGHT REFERENCE SETTING FOR LARGEST WIRE SIZE. CRIMP HEIGHT REFERENCE SETTINGS GREATER THAN THE VALUE SHOWN MAY CAUSE DAMAGE TO THE CRIMP TOOLING. REFER TO THE INSTRUCTION SHEET FOR PROPER SETUP AND ADJUSTMENTS.

LOC	DIST	REVISIONS					
A	66	P	LTN	DESCRIPTION	DATE	OWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-

-	1	1	2119082-9	CAM, SNAIL, INSULATION ADJUSTMENT	244
-	1	1	2079764-1	WASHER, WAVE SPRING, CREST-TO-CREST	243
-	1	1	2119083-1	RETAINER, INSULATION DIAL	242
-	1	1	7-18023-7	SCR, SKT HD CAP M3 X 4.0	241
-	-	1	2119580-1	MECHANICAL FEED ASSEMBLY	239
-	1	-	2844940-1	AIR FEED MODULE	238
-	REF	REF	994970-2	COUNTER, MAGNETIC	164
-	1	-	2119641-2	FEED CAM, AIR FEED	151
-	1	1	2168083-8	SCR, SKT HD CAP, RoHS, M4 X 16	144
-	4	4	2168083-9	SCR, SKT HD CAP, RoHS, M4 X 20	143
-	-	1	2119653-2	FEED CAM, POST FEED	142
-	1	1	1-1803583-0	APPLICATOR BASIC ASSEMBLY, SF	141
-	1	1	1803516-1	RAM ASSEMBLY, SF PACIFIC	140
-	1	1	2119955-1	ASSY, LUBRICATOR, SIDE FEED	113
-	1	1	2844908-1	SCREW, LOCKING	99
-	1	1	2844907-1	POST, LOCKING	98
-	1	1	455888-5	SPACER, CRIMPER	82
-	1	1	1803607-3	DOCUMENTATION PACKAGE	71
-	1	1	2119791-6	DEPRESSOR, WIRE	70
-	1	1	2119740-1	TAG, IDENTIFICATION	67
-	2	2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .188	66
-	1	1	5-18022-5	SCR, HEX HD CAP, M4 X 6.0	59
-	1	1	1338685-1	PAWL, FEED	56
-	2	2	1-2168083-0	SCR, SKT HD CAP, RoHS, M4 X 10	53
-	1	1	1803382-6	HOLD DOWN, SPRING LOADED	50
-	1	2	18023-9	SCR, SKT HD CAP M4 X 6.0	49
-	-	1	2119652-1	FEED CAM, PRE FEED	48
-	1	1	1803602-1	SCR, BHSC, RoHS (M8 X 25)	41
-	1	1	1752356-6	SUPPORT, TERMINAL	34
-	2	2	2079383-5	SCR, BHSC, RoHS (M4 X 20)	33
-	2	2	3-2844962-0	SPACER, CYLINDRICAL, STRIP GUIDE	30
-	1	1	2844992-1	ASSEMBLY, STRIP GUIDE	29
-	1	1	1320928-2	STRIP GUIDE	24
-	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	21
-	2	2	1-18028-2	WASHER, FLAT, REG M4	20
-	1	1	2119533-1	STRIPPER, SIDE FEED	19
-	1	1	2119806-1	INSERT, SHEAR	13
-	1	1	3-22280-3	SPRING, COMPRESSION	12
-	1	1	1-356885-4	STOP, SHEAR	11
-	1	1	2119805-1	SHEAR HOLDER, FRONT	10
-	1	1	1803095-3	FLOATING SHEAR, FRONT	9
-	1	1	4-1333203-7	ANVIL, COMBINATION	8
-	1	1	6-240641-4	SPACER	7
-	1	1	1-2119757-2	DEPRESSOR, SHEAR	5
-	1	1	238011-7	BLOCK, CRIMPER SPACER	4
-	1	1	1803260-1	CRIMPER, INSULATION F PREMIUM	3
-	1	1	455888-8	SPACER, CRIMPER	2
-	1	1	3-456404-6	CRIMPER, WIRE PREMIUM	1

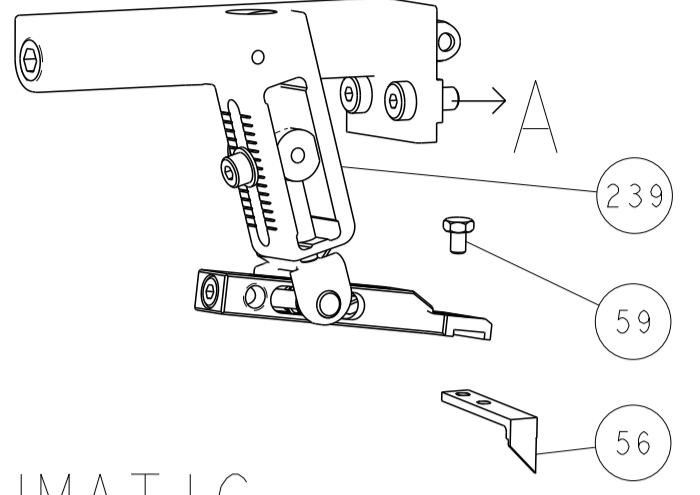
PACIFIC VERSION  
Shown on sheets 3 of 4 & 4 of 4  
(Atlantic version shown on sheets 1 of 4 & 2 of 4)

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MATERIAL:		FINISH:	
mm	0 PLC ±	1 PLC ±	2 PLC ±	3 PLC ±	4 PLC ±	ANGLES ±	FINISH ±

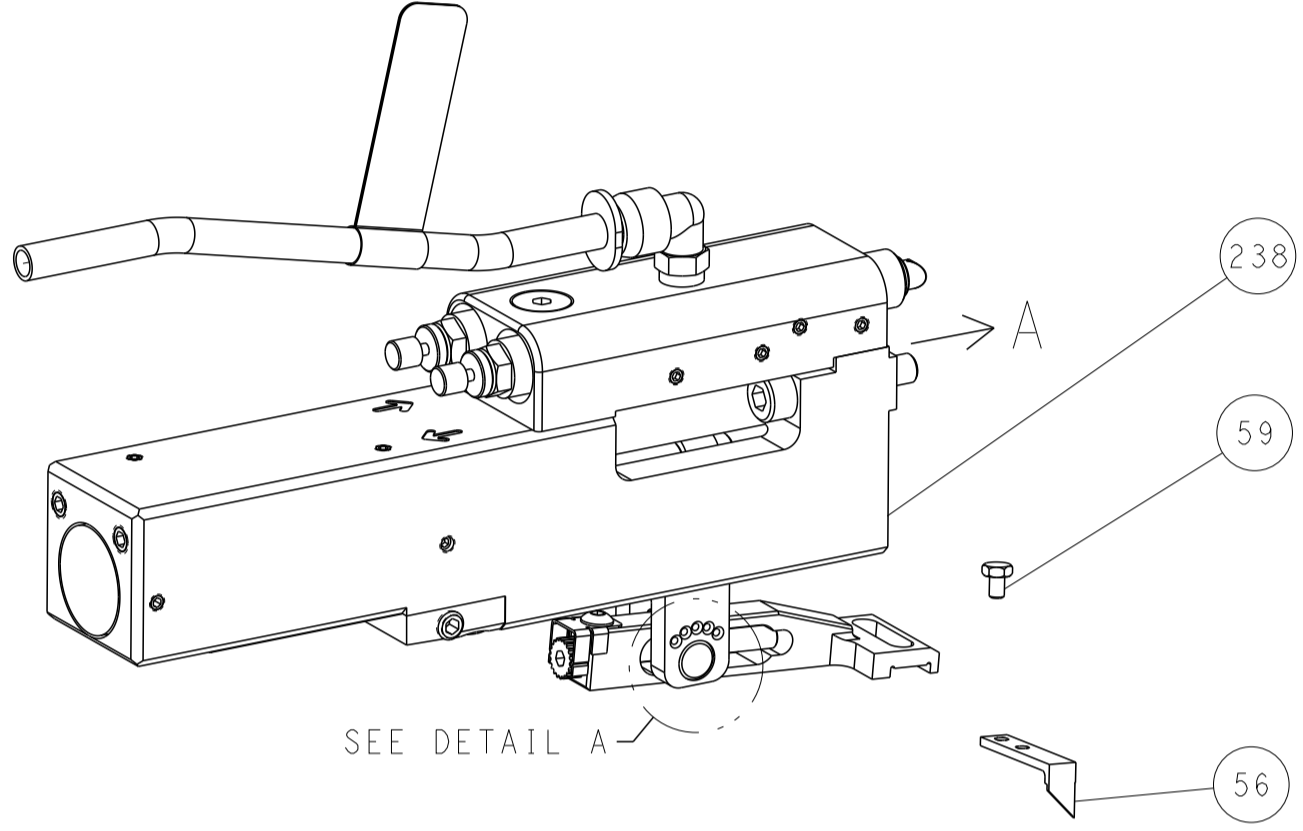
OWN	H. HUANG	01SEP2011	NAME	TE Connectivity
APVD	S. XI	01SEP2011	PRODUCT SPEC	Ocean Side Feed Applicator
APPLICATOR SPEC			SIZE	CAGE CODE
WEIGHT	A1	00779	DRAWING NO	©=2151087
Customer Accessible Production Drawing	SCALE	1:2	SHEET	3 OF 4
			REV	K

LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	OWN	APVD
A	66	-	-	SEE SHEET 1	-	-	-

# FEED TYPE MECHANICAL



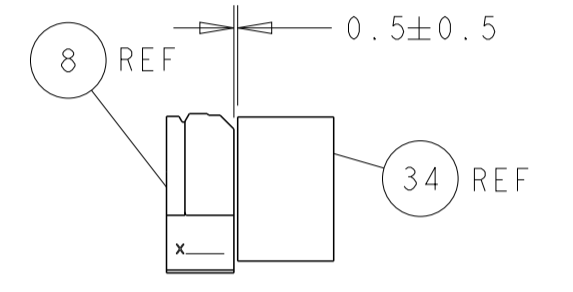
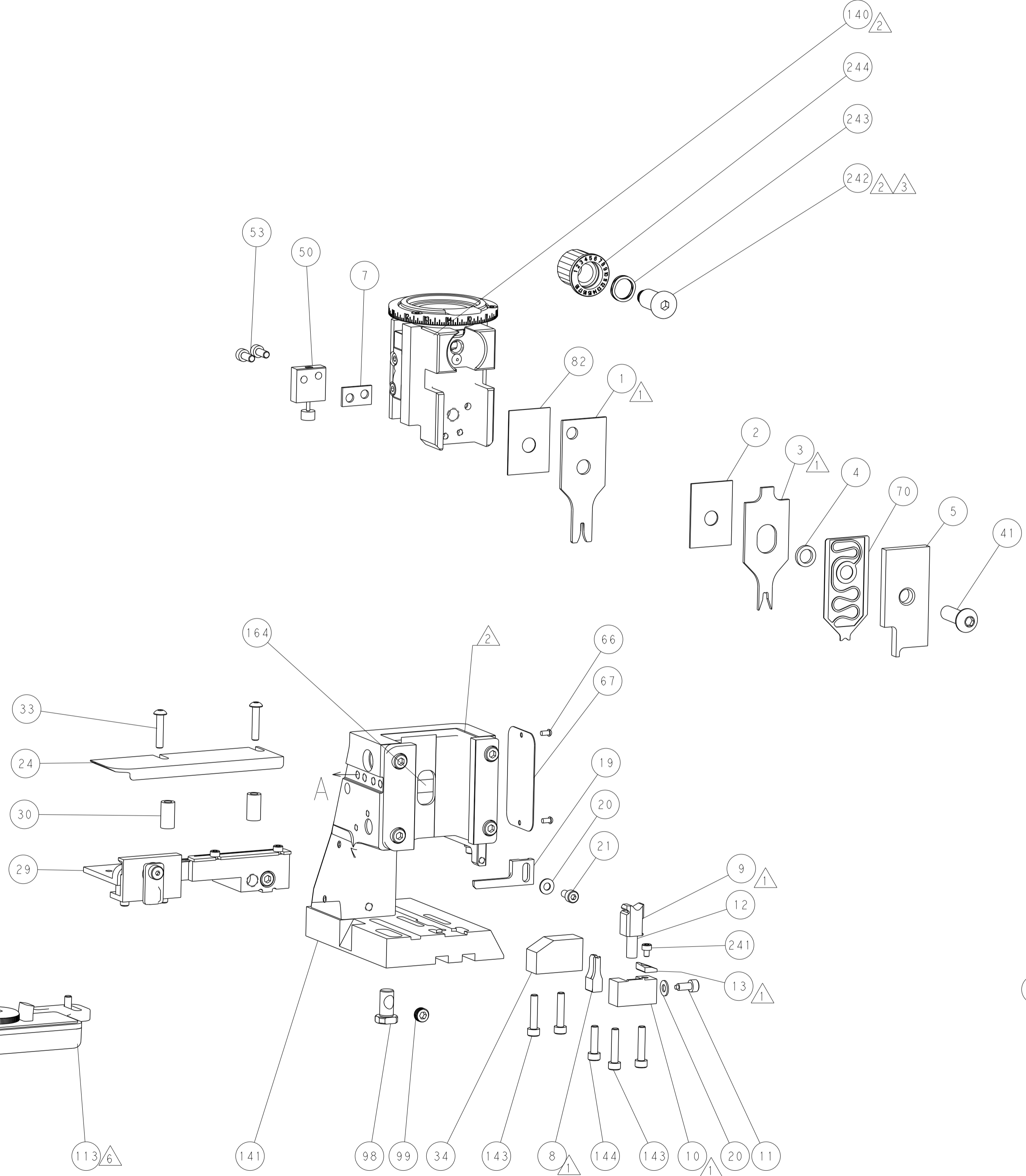
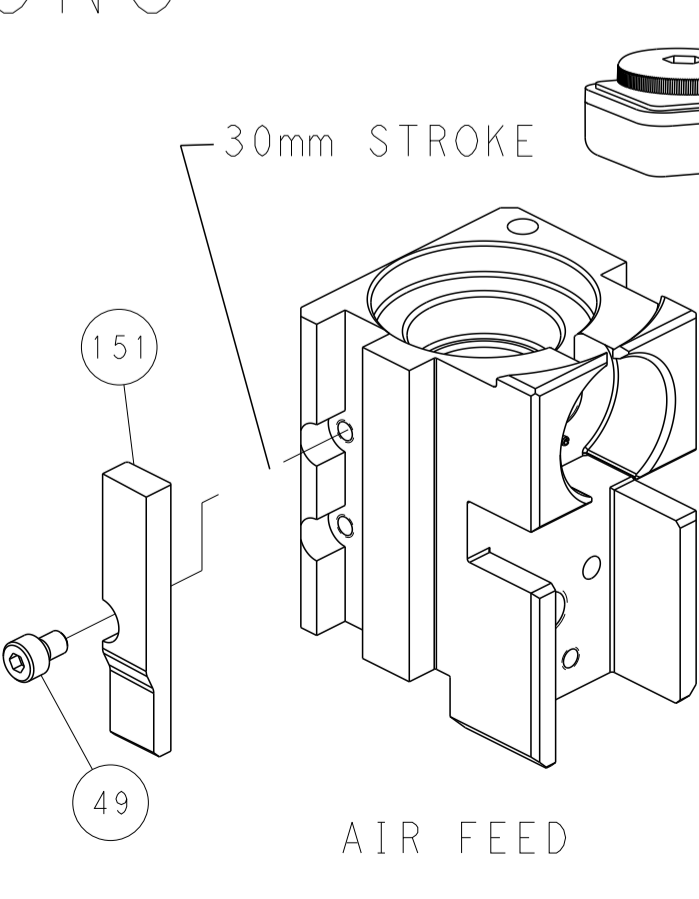
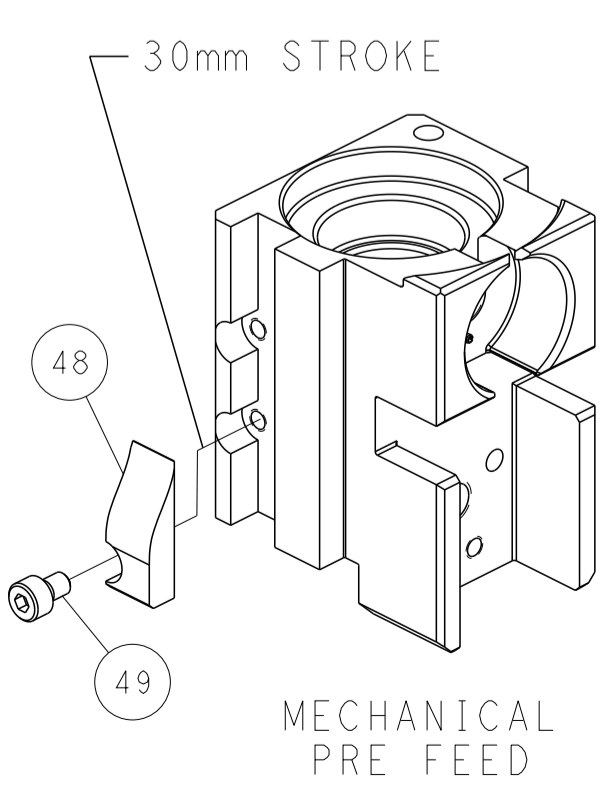
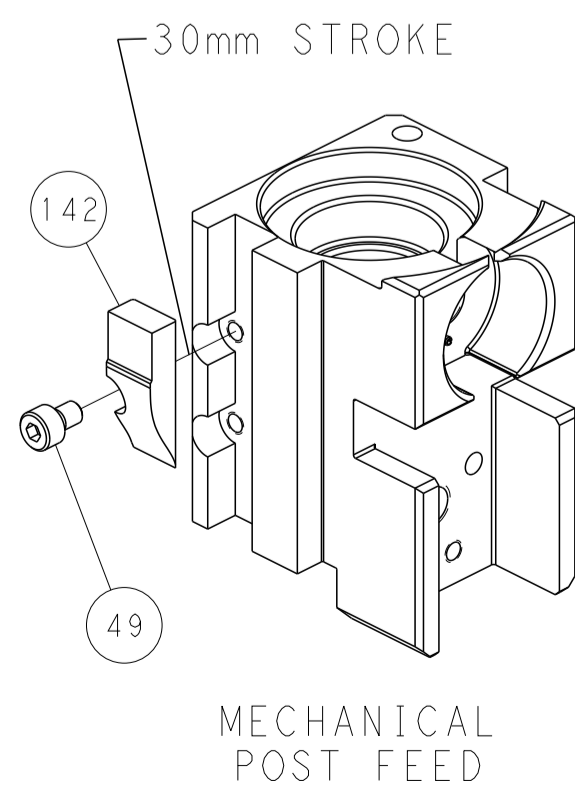
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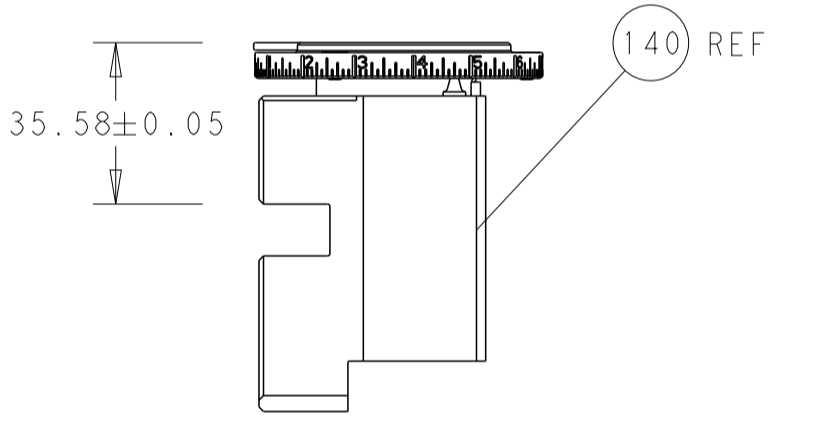
## FEED SPRING SETTING POSITION (SHOWN FROM REAR SIDE)



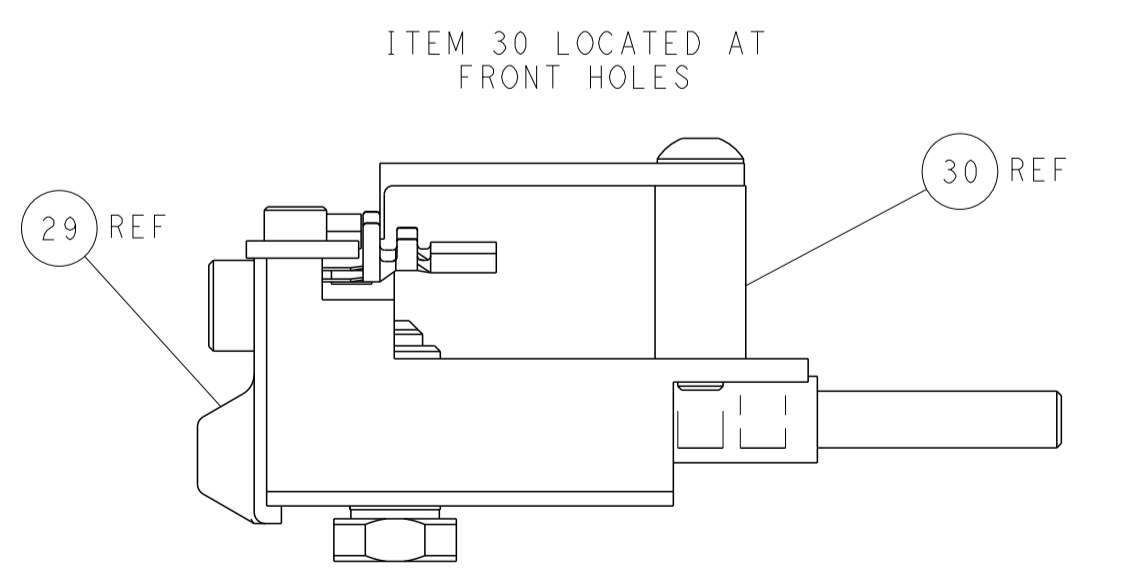
# CAM POSITIONS



TERMINAL SUPPORT LOCATION



RAM SET-UP



FEED TRACK POSITION GUIDE BY INSULATION BARREL

**PACIFIC VERSION**  
 Shown on sheets 3 of 4 & 4 of 4  
 (Atlantic version shown on sheets 1 of 4 & 2 of 4)

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