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RELEASED FOR PUBLICATION

20

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ATLANTIC VERSION
TERMINATOR
INTERFACE ADAPTER

PART
NUMBER

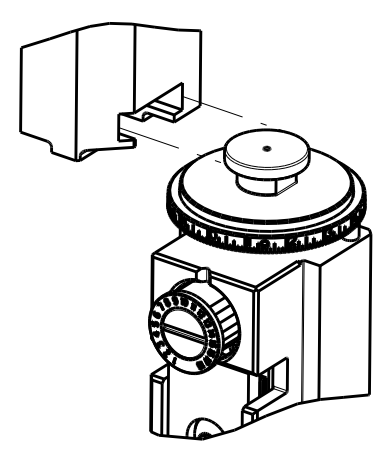
REVISION

DESCRIPTION

FEED TYPE

CONVERT TO

PART NUMBERS REQUIRED



2151345-1

B

FINE CRIMP HEIGHT ADJUST

MECHANICAL

PNEUMATIC FEED

SERVO LATCH PLATE

SMART APPLICATOR

2119950-1

2119951-1

2161326-1

1338685-1

5-18022-5

2119641-1

2119799-1

2063440-1

2151345-2

B

FINE CRIMP HEIGHT ADJUST

PNEUMATIC

MECHANICAL FEED

SERVO LATCH PLATE

SMART APPLICATOR

2119949-1

2119951-1

2161326-1

1338685-1

5-18022-5

2119653-1

-

2168400-6 (QUANTITY 2)

2151345-5

B

FINE CRIMP HEIGHT ADJUST

SERVO
LATCH PLATE⁴

MECHANICAL FEED

PNEUMATIC FEED

2119949-1

2119950-1

1338685-1

5-18022-5

2119653-1

2119641-1

2119799-1

2063440-1

2151345-6

B

NON-CRIMP HEIGHT ADJUST

SERVO
LATCH PLATE⁴¹²

-

-

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-

2151345-7

B

FINE CRIMP HEIGHT ADJUST

NONE

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7-2151345-7

A

CRIMP TOOLING KIT

-

-

-

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-

APPLICATOR DATA

CRIMP

SIZE

TYPE

WIRE

2.54 mm [1.00]

F

INSUL

4.30 mm [1.70]

O

APPLICATOR INSTRUCTIONS

408-10389



TERMINAL DATA: TE TERMINAL

TE CRIMP SPECIFICATION

TERMINAL NAME: 1.50mm CONTACT SOCKET

WIRE STRIP LENGTH

INSULATION DIAMETER RANGE

5.20-5.80 mm [1.205-.228 IN]

Ø2.20-3.00 mm [1.087-.118 IN]

TERMINAL APPLICATION SPECIFICATION

(A)114-18020

-

-

(B)114-18040

-

-

TERMINALS APPLIED

TE TERMINAL

TE TERMINAL

TE SEAL

TE SEAL

(A) 929968-1

(B) 929990-1

(A) 828921-1

(A) 929968-7

(B) 929990-3

(A) 828921-2

(A) 929975-1

(B) 929990-4

(B) 828904-1

(A) 929975-4

(B) 929990-7

(B) 828904-2

(A) 929975-7

(B) 1-929990-0

(B) 828904-3

(A) 929975-8

(B) 1703014-1

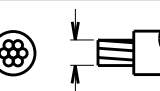
(B) 828905-1

(B) 1703050-1

(B) 1703014-4

(B) 1-1719188-0

WIRE SIZE



CRIMP HEIGHT mm [INCH]



CRIMP HEIGHT REFERENCE SETTING⁹

2.50mm2

1.97+/-0.03 [1.078+/-0.001]

5.1

2.00mm2

1.82+/-0.03 [1.072+/-0.001]

6.8

1.50mm2

1.67+/-0.03 [1.066+/-0.001]

8.5

16 AWG

1.58+/-0.03 [1.062+/-0.001]

9.6



1 RECOMMENDED SPARE PARTS

2 GREASE BEARING SURFACES LIGHTLY

3. LUBRICATE DAILY PER THE APPLICATOR INSTRUCTION SHEET SUPPLIED WITH THE APPLICATOR.

4 APPLICATOR SPECIFIC DATA TO BE ENTERED INTO BLANK MEMORY CHIP AT ASSEMBLY. SEE BELOW FOR PART NUMBER:
MECHANICAL FEED WITH "SMART APPLICATOR" CONVERSION: 8-2151345-4
PNEUMATIC FEED WITH "SMART APPLICATOR" CONVERSION: 8-2151345-4
SERVO FEED WITH "FINE CRIMP HEIGHT ADJUST": 8-2151345-5
SERVO FEED WITH "NON-CRIMP HEIGHT ADJUST": 8-2151345-6

5. ADJUSTMENT OF THE STRIPPER MAY BE REQUIRED WHEN MOVING THE APPLICATOR BETWEEN BENCH AND LEADMAKER APPLICATIONS.

6 APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEM 50.

7 GREASE THREADS, GROOVE AND O-RING ON ITEMS 35 & 252.

8 MAGNET, ITEM 166 MUST BE ORIENTED CORRECTLY IN ORDER TO PROPERLY ACTUATE THE COUNTER.

9 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.

10 SPARE FEED CAM STORAGE LOCATION REFER TO INSTRUCTION SHEET FOR ADDITIONAL INFORMATION.

11 TO CONVERT THE APPLICATOR TO A NON-CARRIER CUTTING STYLE, REMOVE ITEM 13 AND ATTACH TO THE LOCATION ON THE BACK SIDE OF THE HOUSING. REFER TO INSTRUCTION SHEET FOR ADDITIONAL INFORMATION.

12 WHEN ASSEMBLING -6 NON-CRIMP HEIGHT ADJUST APPLICATOR USE SHIM PACK 2119957-2 TO ALIGN APPLICATOR'S MAXIMUM WIRE CRIMP HEIGHT AT NORMAL TERMINATOR SHUT HEIGHT

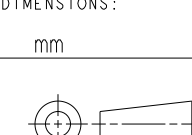
13 INSULATION RANGE QUOTED IS THAT OF THE TERMINAL.
SEAL PN 828905 - INS. DIA RANGE IS Ø2.2-3.0mm
SEAL PN 828904 - INS. DIA RANGE IS Ø1.2-2.1mm
SEAL PN 828921 - INS. DIA RANGE IS Ø2.1-3.0mm

14 APPLY TORQ-SEAL IN ALLEN SOCKET TO FILL HOLE AFTER FLAT HD HAS BEEN ADJUSTED TO CORRECT HEIGHT AT QUALIFICATION.
APPLY #1-23419-5 LOC-TITE TO THREADS.

114 IS SUBJECT TO CHANGE WITHOUT NOTICE. THE FOLLOWING INFORMATION SHOULD BE CONTACTED FOR THE LATEST REVISION.

DIMENSIONS:

mm



0 PLC ±.5

1 PLC ±0.13

2 PLC ±0.13

3 PLC ±0.013

4 PLC ±0.0001

ANGLES ±.5

FINISH

MATERIAL

DWN

Y. YIN

09NOV2011

CHK

G. BAILEY

09NOV2011

APVD

S. XI

09NOV2011

NAME

Ocean Side Feed Applicator

SIZE

CAGE CODE

DRAWING NO

00779

©=2151345

RESTRICTED TO

-

CUSTOMER ACCESSIBLE PRODUCTION DRAWING

SCALE

1:2

SHEET

1

OF

4

REV

B

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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1

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2119957-2

APPLICATOR SHIM PACK

260

-

1

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1

1

1

8-21084-0

O-RING, .676 ID, .070 DIA. MAT.

252

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1

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2119640-1

PUSH ROD, AIR FEED

250

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1

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2079988-1

BUSHING, LCH5-12, MISUMI

249

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1

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2119641-1

FEED CAM, AIR FEED

248

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1

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1

1

1

2119798-1

DETENT PIN

247

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1

1-22279-3

SPRING, COMPRESSION

246

-

-

1

-

-

-

2119758-1

RAM, AMP STYLE, SIDE FEED, NON-ADJ.

245

-77

-7

-6

-5

-2

-1

PART NO

DESCRIPTION

ITEM NO

1

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1-1333206-6

ANVIL, COMBINATION .100

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2119781-5

DEPRESSOR, SHEAR

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2-238011-1

BLOCK, CRIMPER SPACER

4

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1633996-8

CRIMPER, INSULATION SPECIAL

3

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1-455888-1

SPACER, CRIMPER

2

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456407-6

CRIMPER, WIRE PREMIUM

1

-77

-7

-6

-5

-2

-1

PART NO

DESCRIPTION

ITEM NO

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

A

RELEASED

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SX

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ECR-13-018490

18NOV2013

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2119082-9

CAM, SNAIL, INSULATION ADJUSTMENT

244

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2079764-1

WASHER, WAVE SPRING, CREST-TO-CREST

243

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2119083-1

RETAINER, INSULATION DIAL

242

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7-18023-7

SCR, SKT HD CAP M3 X 4.0

241

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2

2

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2168400-6

SHCS, LOW HEAD, RoHS, M5 X 16

240

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2119580-1

MECHANICAL FEED ASSEMBLY

239

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2063440-1

AIR FEED MODULE

238

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1

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2119740-2

TAG, IDENTIFICATION

213

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1901094-3

SPACER, FEEDER

198

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1976053-2

LOCATER BLOCK, TERMINAL

179

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993111-1

PIN, SLOTTED SPRING 3.0 X 20.0

177

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8-22280-7

SPRING, COMPRESSION

176

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1752353-2

GUIDE PIN, HOLDDOWN

175

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1901680-2

GUIDE PIN, HOLDDOWN

174

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-

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2

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21045-3

RING, RETAIN, EXTERN, 3/16 CRESCENT

172

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1

994969-1

MAGNET, RARE EARTH HIGH ENERGY

166

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REF

REF

REF

REF

REF

994970-2

COUNTER, MAGNETIC

164

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240638-1

SPRING, FEED FINGER

163

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3-23627-7

PIN, RETAIN, GRVD, 3/16 X .854

137

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2119799-1

HOLDER, FEED FINGER, AF

136

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REF

REF

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SEE NOTE 4

MEMORY CHIP, PROGRAMMED

135

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1633743-1

SERVO FEED LATCH ASM

133

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1-18028-2

WASHER, FLAT, REG M4

119

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REF

REF

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2119944-1

FEED FINGER ASSEMBLY, SF

117

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455888-5

SPACER, CRIMPER

82

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2119956-1

DOCUMENTATION PACKAGE

71

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1

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2119740-1

TAG, IDENTIFICATION

67

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2

2

2

2

2

2168078-1

SCREW, DRIVE, RH, RoHS, 2 x .188

66

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2

2

2

2

2

1-2079383-0

SCR, BHSC, RoHS (M3 X 6)

64

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2119793-1

LIMITER, ADJUSTMENT BOLT

63

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3

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3

3

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992763-5

SCR, SET, SOC, CONE POINT, M3 X 4.0

62

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2079383-4

SCR, BHSC, RoHS (M4 X 8)

60

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5-18022-5

SCR, HEX HD CAP, M4 X 6.0

59

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985575-3

SCR, FLT SKT HD CAP M3 X 10.0

57

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1338685-1

PAWL, FEED

56

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4

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2168400-1

SHCS, LOW HEAD, RoHS, M4 X 12

54

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1-5018030-0

NUT, HEX, REG, RoHS, M3.5

52

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1901681-8

HOLDDOWN, TERMINAL

51

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2-1752354-2

STANDOFF, HOLD-DOWN

50

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18023-9

SCR, SKT HD CAP M4 X 6.0

49

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2119652-1

FEED CAM, PRE FEED

48

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2119653-1

FEED CAM, POST FEED

47

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2119656-9

APPLICATOR BASIC ASSEMBLY, SF

46

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2119370-1

RAM, AMP STYLE, SIDE FEED

44

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2079383-7

SCR, BHSC, RoHS (M8 X 25)

41

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2119645-1

DISC, NUMBERED FA WIRE ADJUSTMENT

40

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2119957-1

APPLICATOR SHIM PACK

39

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2119644-2

RAM WASHER, PRECISION

38

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2119085-1

FA HEAD, ATLANTIC STYLE

37

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2119092-1

BOLT, ADJUSTMENT

35

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1-1752356-7

SUPPORT, TERMINAL

34

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2079383-5

SCR, BHSC, RoHS (M4 X 20)

33

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2161328-1

HEX HEAD, FLANGED, M5 X 8mm LONG

32

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1320908-6

SPACER, STRIP GUIDE

30

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2119959-1

ASSEMBLY, STRIP GUIDE

29

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455888-3

SPACER, CRIMPER

28

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1320928-3

STRIP GUIDE

24

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2168083-2

SCR, SKT HD CAP, RoHS, M4 X 8.0

21

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1-18028-2

WASHER, FLAT, REG M4

20

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2119533-1

STRIPPER, SIDE FEED

19

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2119806-1

INSERT, SHEAR

13

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3-22280-3

SPRING, COMPRESSION

12

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1-356885-4

STOP, SHEAR

11

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2119805-1

SHEAR HOLDER, FRONT

10

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318707-1

FLOATING SHEAR, FRONT

9

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1-1333206-6

ANVIL, COMBINATION .100

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2119781-5

DEPRESSOR, SHEAR

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2-238011-1

BLOCK, CRIMPER SPACER

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1633996-8

CRIMPER, INSULATION SPECIAL

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1-455888-1

SPACER, CRIMPER

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456407-6

CRIMPER, WIRE PREMIUM

1

-77

-7

-6

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-1

PART NO

DESCRIPTION

ITEM NO

TE Connectivity

Harrisburg, PA 17105-3608

Ocean Side Feed Applicator

00779

©=2151345

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OF

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REV

B

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ATLANTIC VERSION
TERMINATOR
INTERFACE ADAPTER

PART
NUMBER

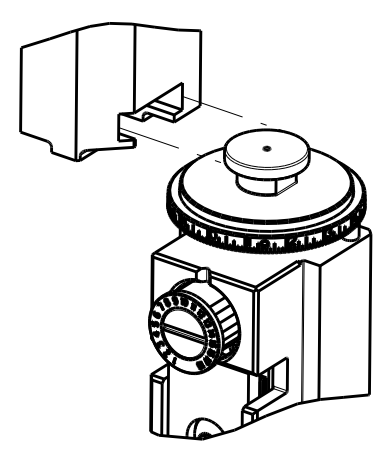
REVISION

DESCRIPTION

FEED TYPE

CONVERT TO

PART NUMBERS REQUIRED



2151345-1

B

FINE CRIMP HEIGHT ADJUST

MECHANICAL

PNEUMATIC FEED

SERVO LATCH PLATE

SMART APPLICATOR

2119950-1

2119951-1

2161326-1

1338685-1

5-18022-5

2119641-1

2119799-1

2063440-1

2151345-2

B

FINE CRIMP HEIGHT ADJUST

PNEUMATIC

MECHANICAL FEED

SERVO LATCH PLATE

SMART APPLICATOR

2119949-1

2119951-1

2161326-1

1338685-1

5-18022-5

2119653-1

-

2168400-6 (QUANTITY 2)

2151345-5

B

FINE CRIMP HEIGHT ADJUST

SERVO
LATCH PLATE⁴

MECHANICAL FEED

PNEUMATIC FEED

2119949-1

2119950-1

1338685-1

5-18022-5

2119653-1

2119641-1

2119799-1

2063440-1

2151345-6

B

NON-CRIMP HEIGHT ADJUST

SERVO
LATCH PLATE⁴¹²

-

-

-

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-

2151345-7

B

FINE CRIMP HEIGHT ADJUST

NONE

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-

-

-

7-2151345-7

A

CRIMP TOOLING KIT

-

-

-

-

-

-

-

APPLICATOR DATA

CRIMP

SIZE

TYPE

WIRE

2.54 mm [1.00]

F

INSUL

4.30 mm [1.70]

O

APPLICATOR INSTRUCTIONS

408-10389



TERMINAL DATA: TE TERMINAL

TE CRIMP SPECIFICATION

TERMINAL NAME: 1.50mm CONTACT SOCKET

WIRE STRIP LENGTH

INSULATION DIAMETER RANGE

5.20-5.80 mm [1.205-.228 IN]

Ø2.20-3.00 mm [1.087-.118 IN]

TERMINAL APPLICATION SPECIFICATION

(A)114-18020

-

-

(B)114-18040

-

-

TERMINALS APPLIED

TE TERMINAL

TE TERMINAL

TE SEAL

TE SEAL

(A) 929968-1

(B) 929990-1

(A) 828921-1

(A) 929968-7

(B) 929990-3

(A) 828921-2

(A) 929975-1

(B) 929990-4

(B) 828904-1

(A) 929975-4

(B) 929990-7

(B) 828904-2

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(B) 828904-3

(A) 929975-8

(B) 1703014-1

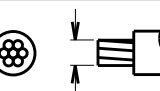
(B) 828905-1

(B) 1703050-1

(B) 1703014-4

(B) 1-1719188-0

WIRE SIZE



CRIMP HEIGHT mm [INCH]



CRIMP HEIGHT REFERENCE SETTING⁹

2.50mm2

1.97+/-0.03 [1.078+/-0.001]

5.1

2.00mm2

1.82+/-0.03 [1.072+/-0.001]

6.8

1.50mm2

1.67+/-0.03 [1.066+/-0.001]

8.5

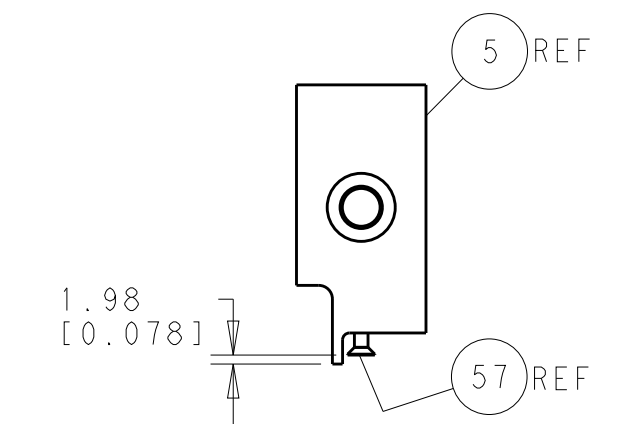
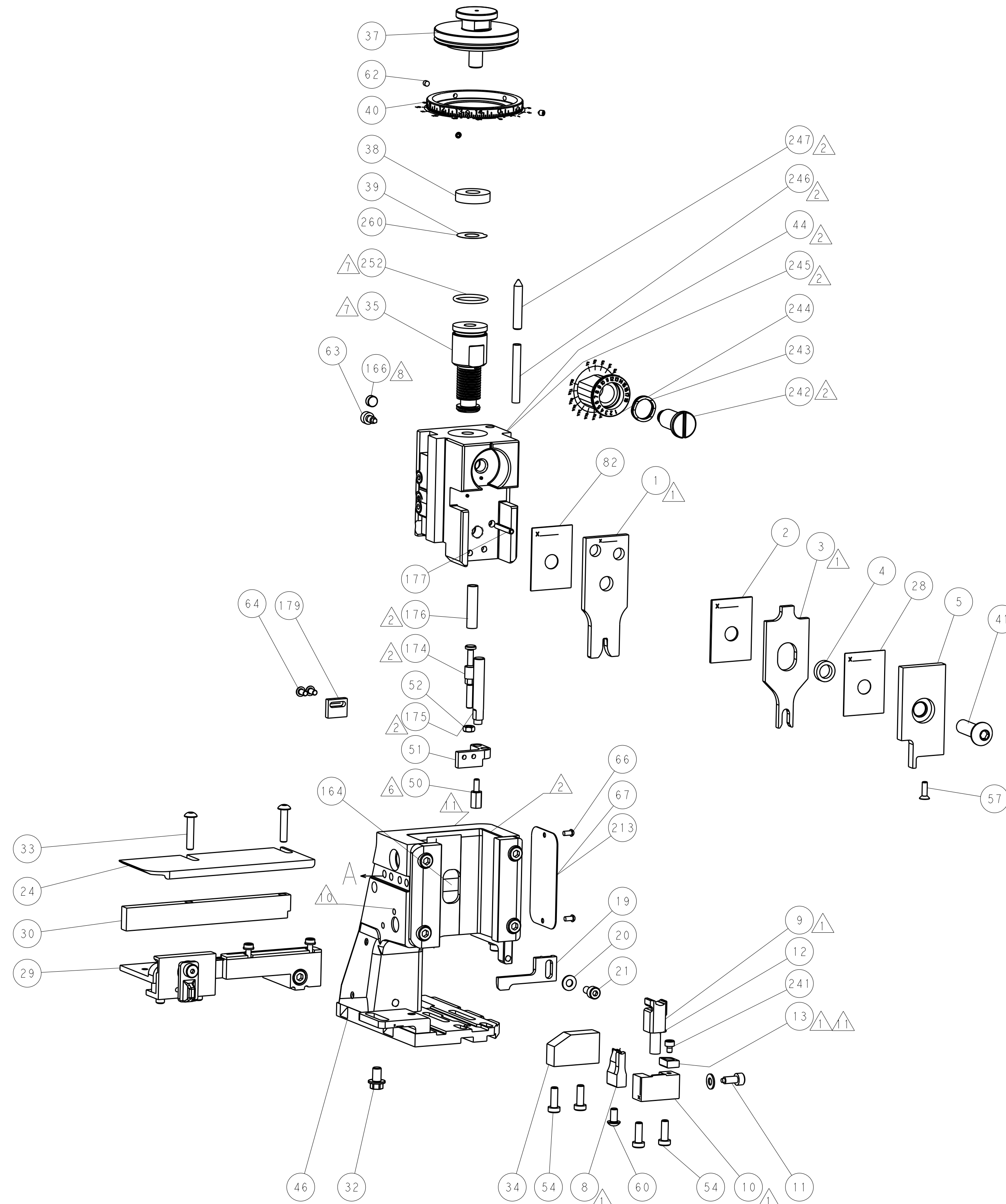
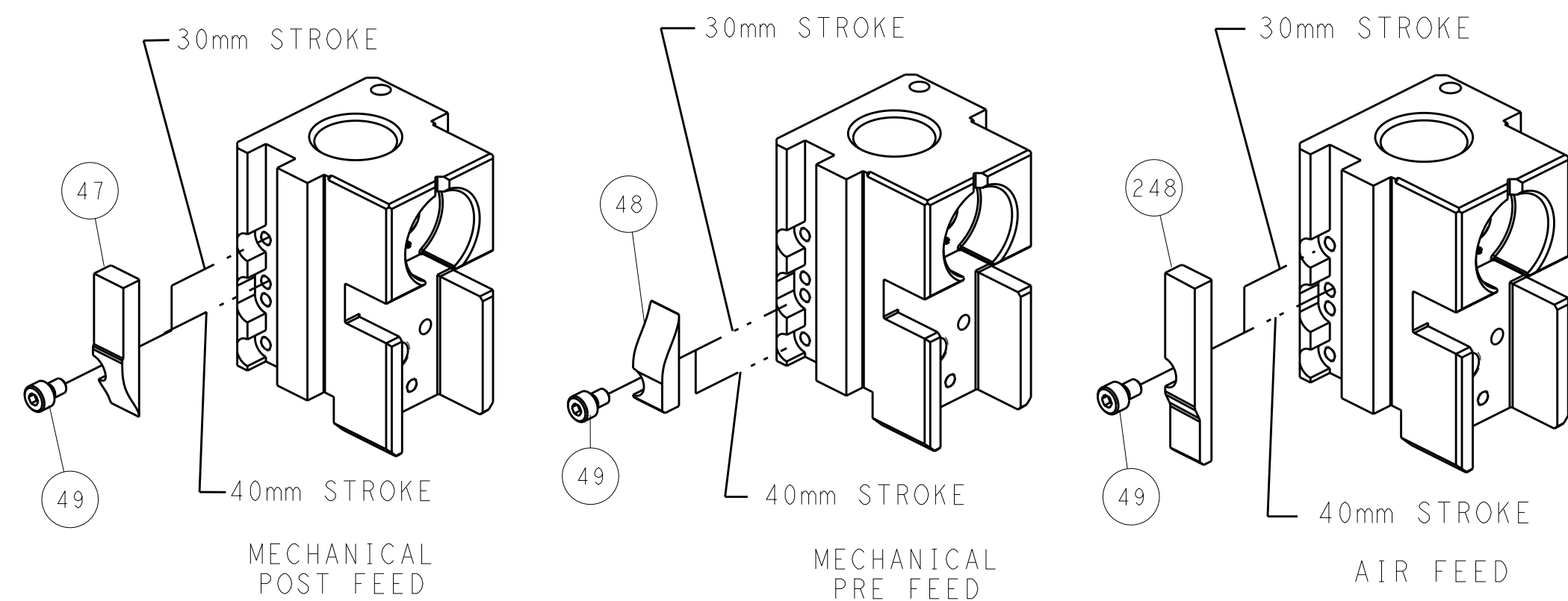
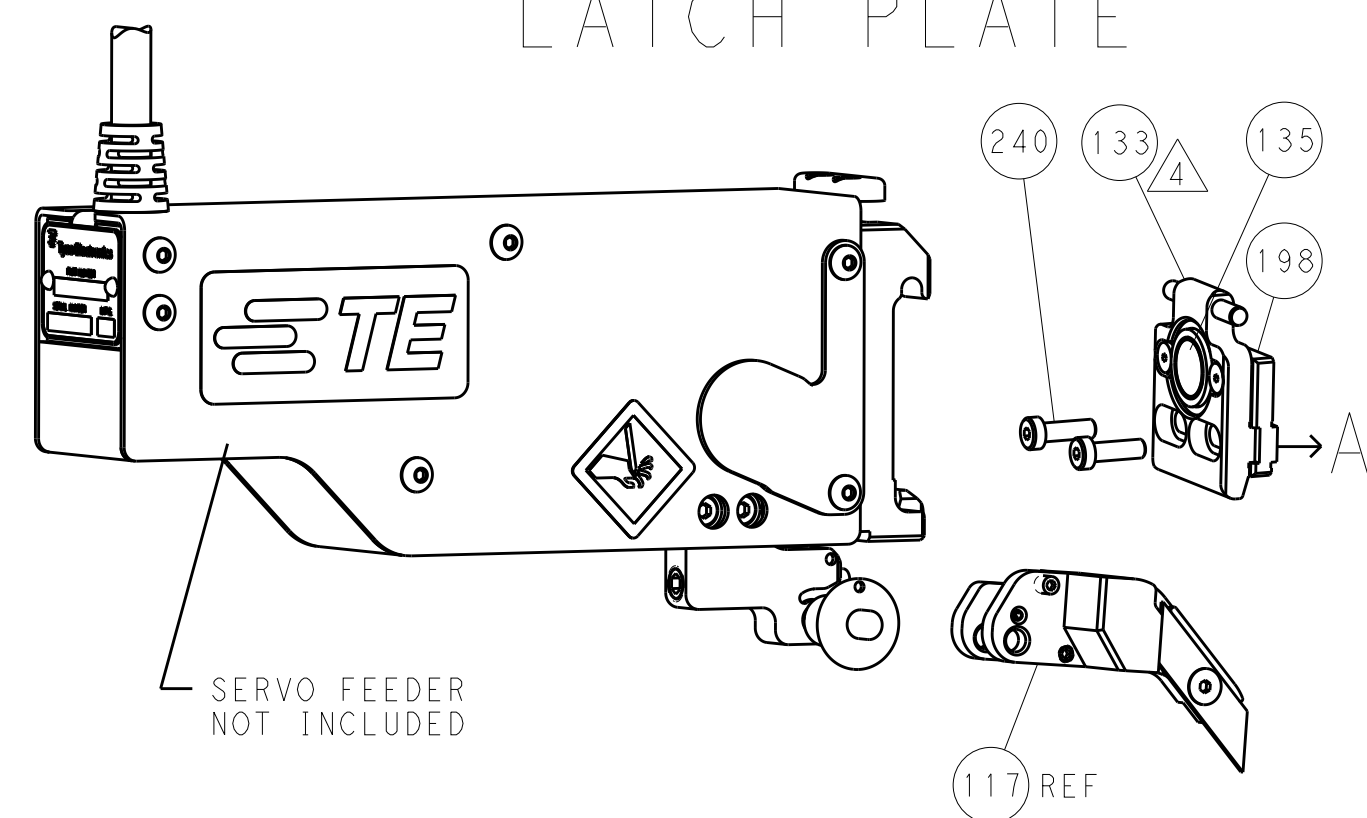
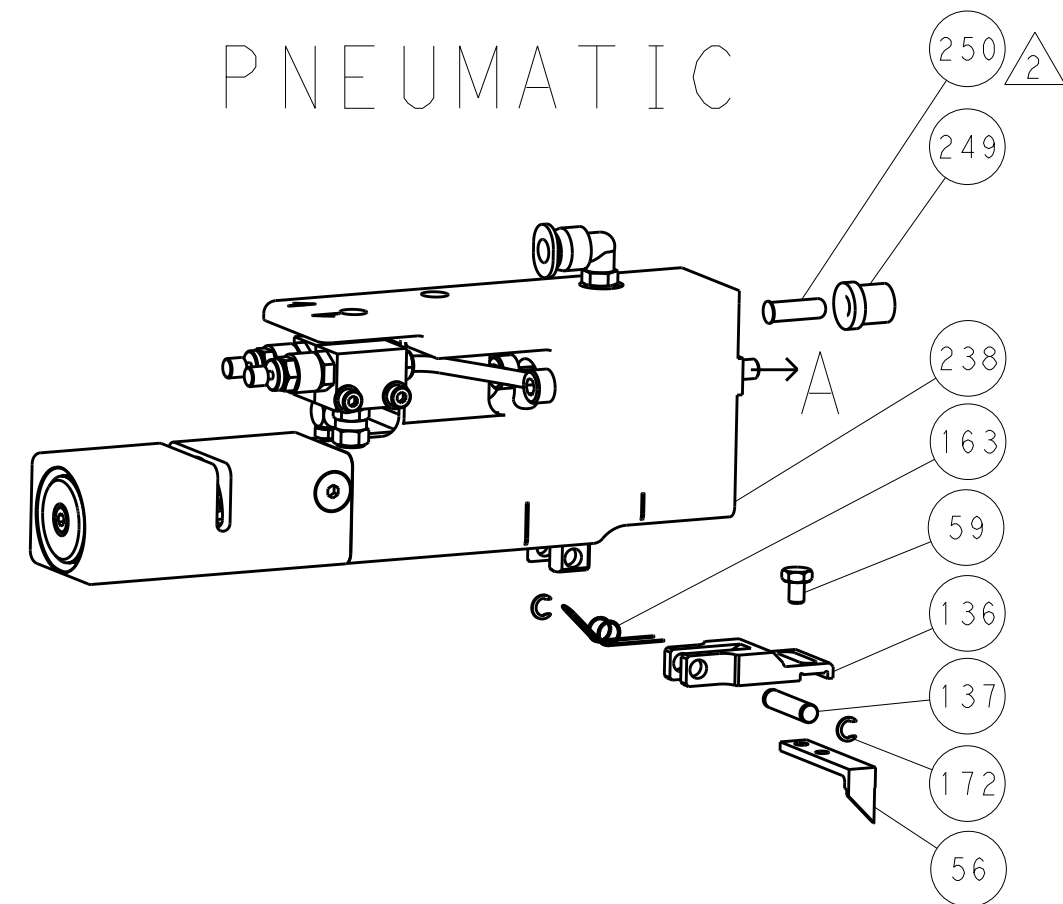
16 AWG

1.58+/-0.03 [1.062+/-0

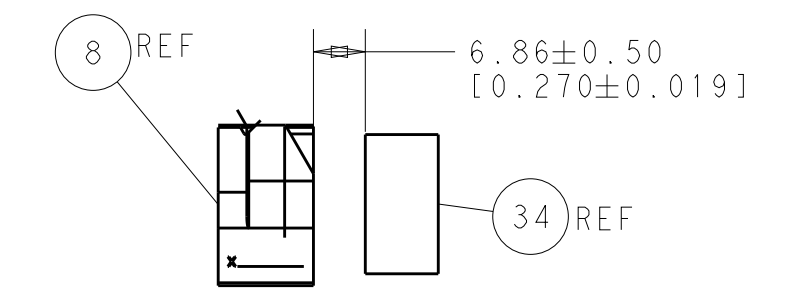
PNEUMATIC

SERVO
LATCH PLATE

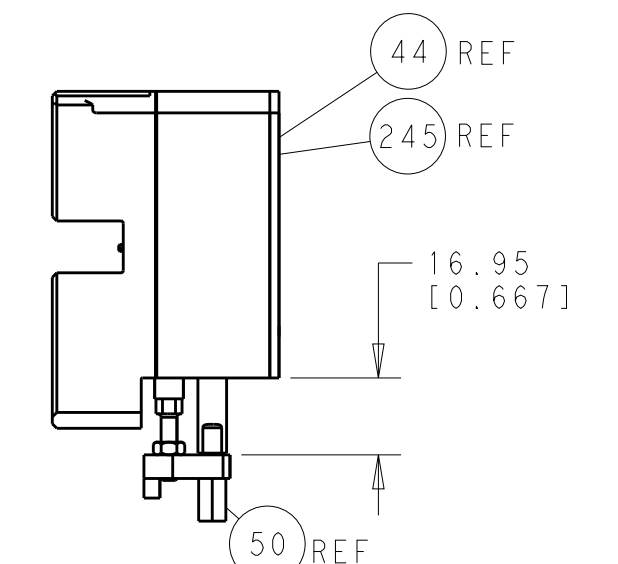
CAM POSITIONS



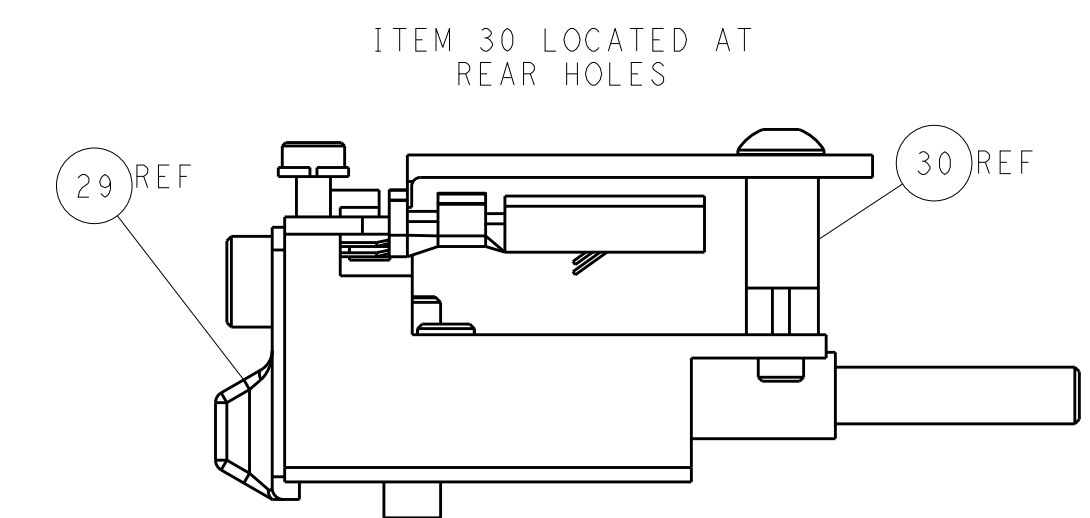
SHEAR DEPRESSOR DETAIL



TERMINAL SUPPORT LOCATION

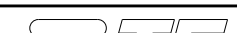


HOLDDOWN SET-UP



FEED TRACK POSITION
GUIDE BY INSULATION BARREL

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

THIS DRAWING IS A CONFIDENTIAL DOCUMENT FOR TETRA SYSTEMS CORPORATION IT IS SUBJECT TO CHANGE AND THE CONTROLLER HAS ENGINEERING AUTHORITY IT SHOULD BE CONTROLLED FOR THE TETRA REVISED		DWN Y YIN 09NOV2011 CHK G BAILEY 09NOV2011 APVD S XI 09NOV2011		 TE Connectivity Harrisburg, PA 17105-3608	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.05 2 PLC ±0.13 4 PLC ±0.013 4 PLC ±0.0001		NAME Ocean Side Feed Applicator	
		PRODUCT SPEC - APPLICATION SPEC -		SIZE A1 CAGE CODE 00779 DRAWING NO C-2151345	
MATERIAL - FINISH -		WEIGHT -		RESTRICTED TO - SCALE 1:2 SHEET 2 of 4 REV B	
CUSTOMER ACCESSIBLE PRODUCTION DRAWING					

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

SHEETS 1 & 2 ARE NOT REQUIRED FOR PACIFIC VERSION

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

D

C

B

A

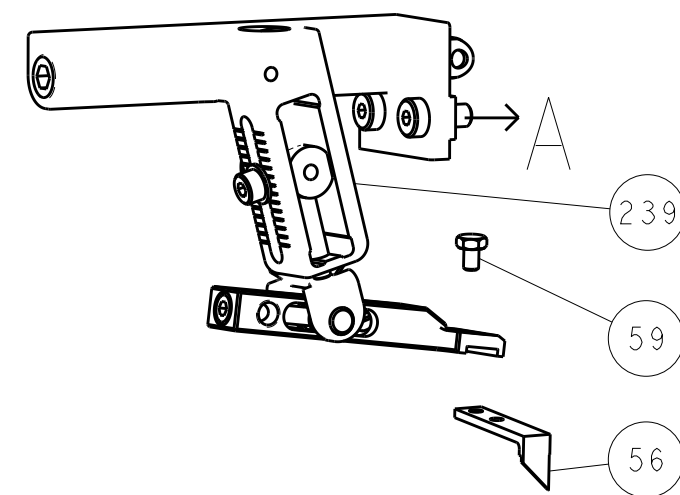
D

C

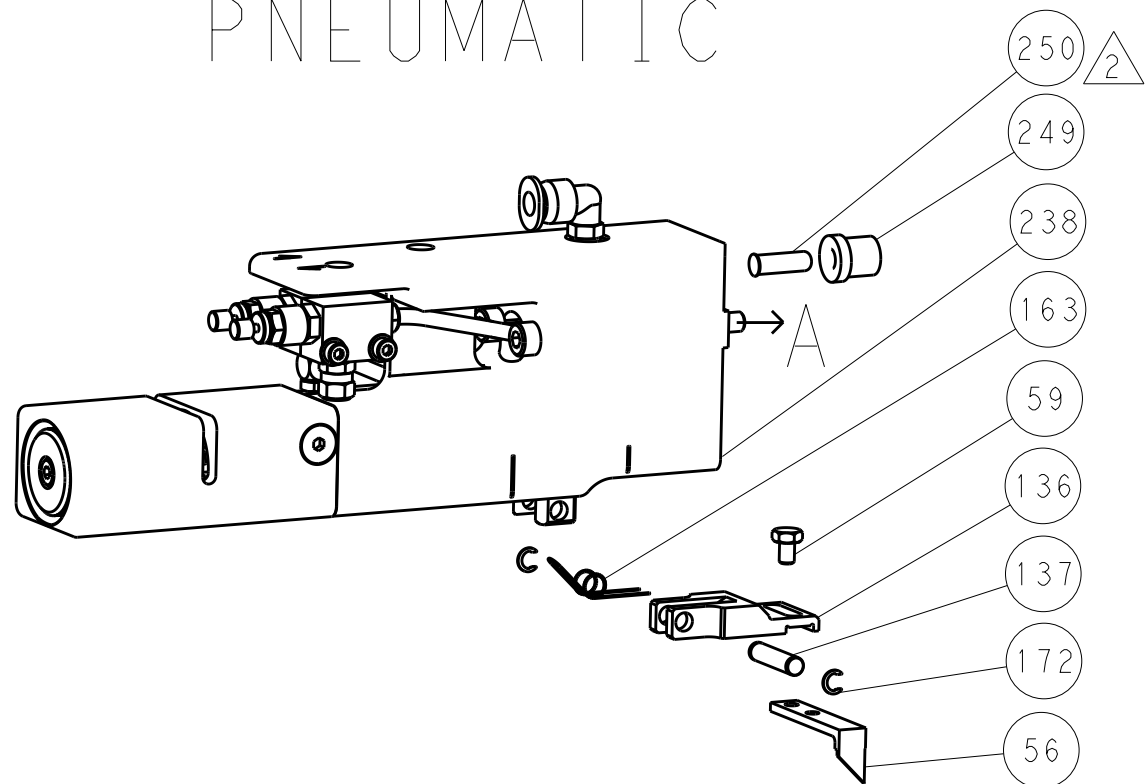
B

A

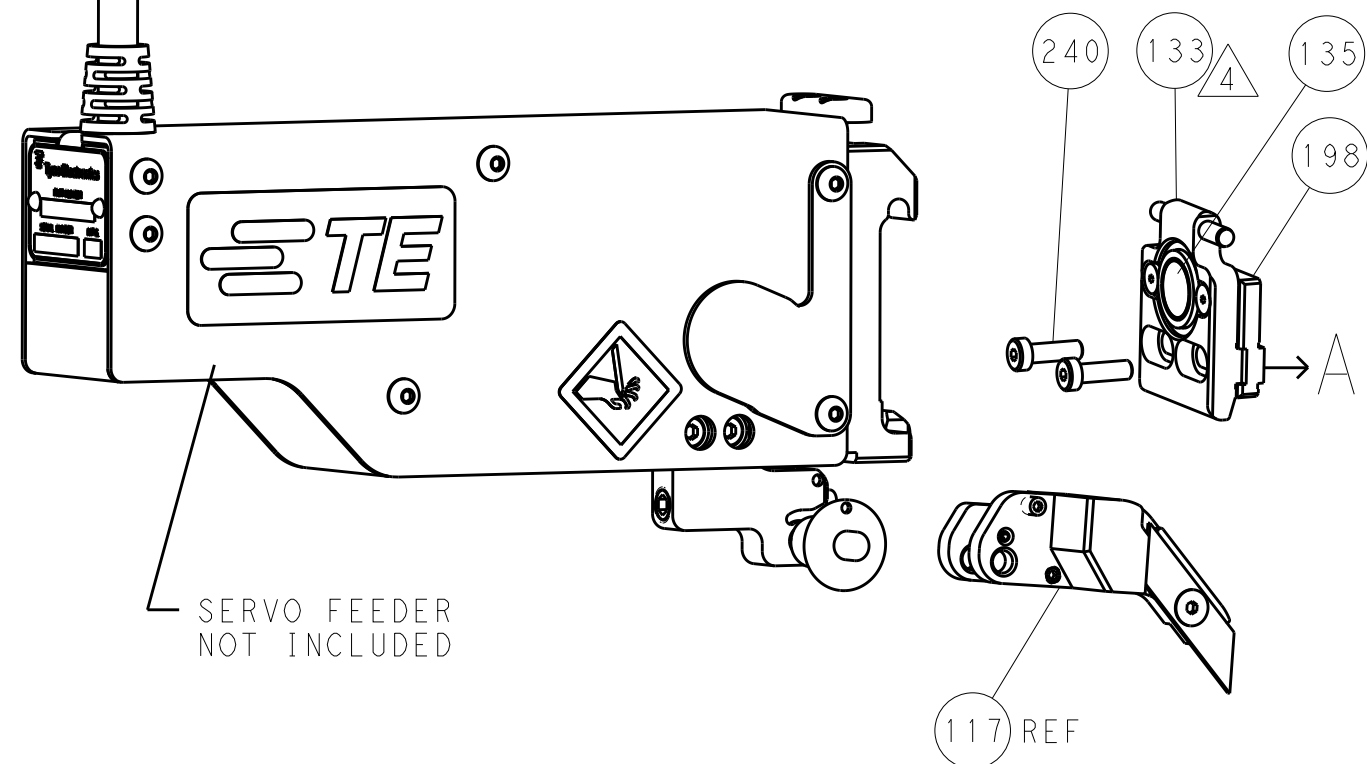
FEED TYPE MECHANICAL



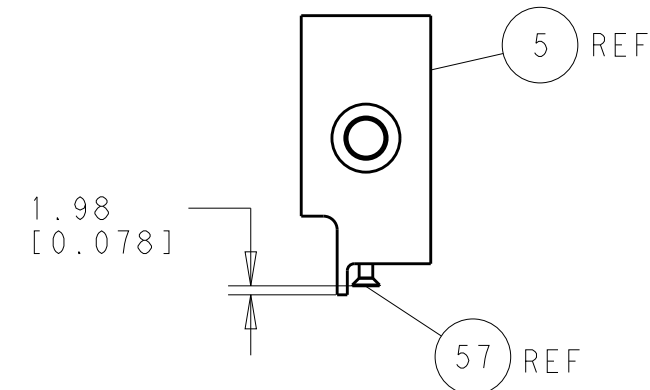
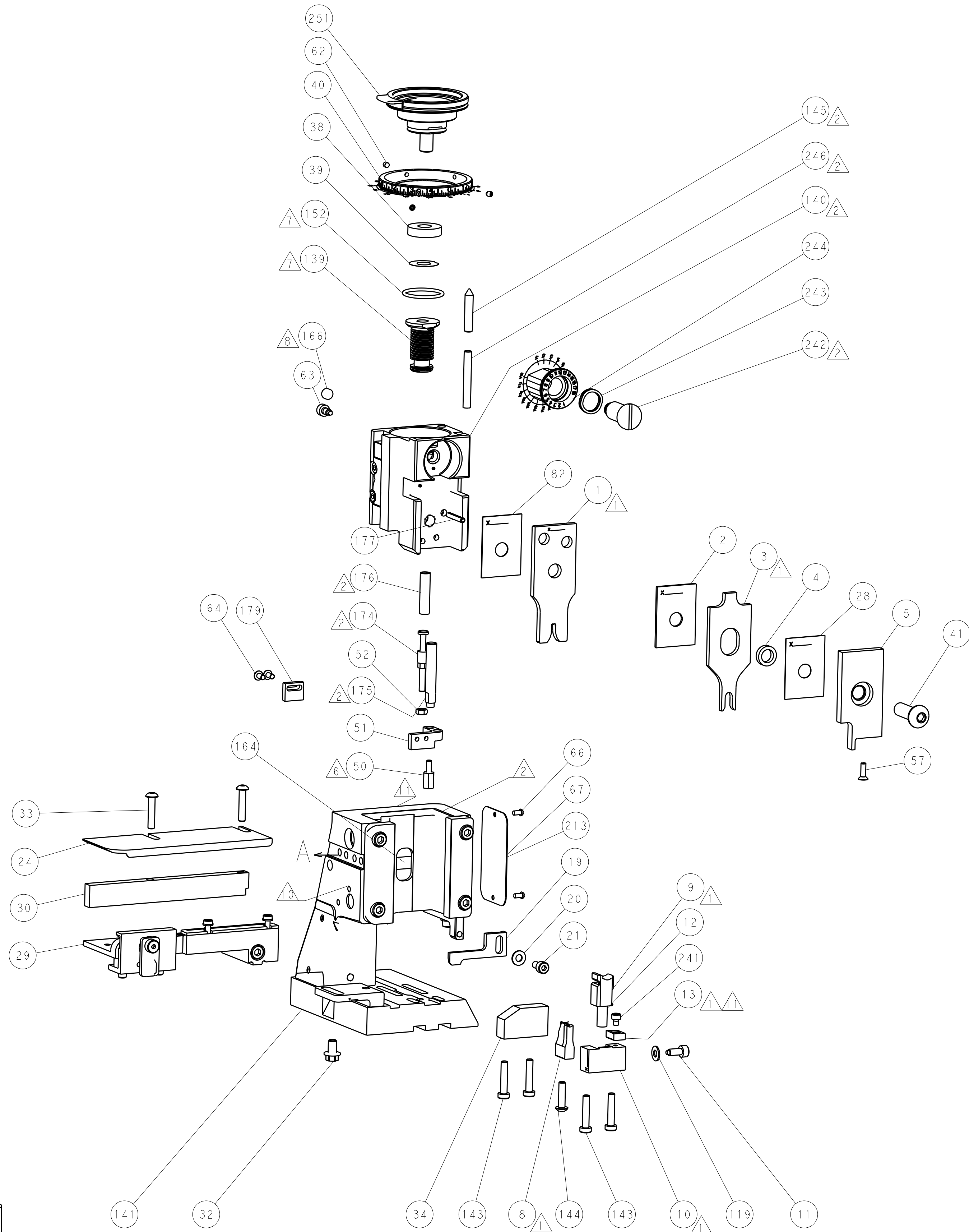
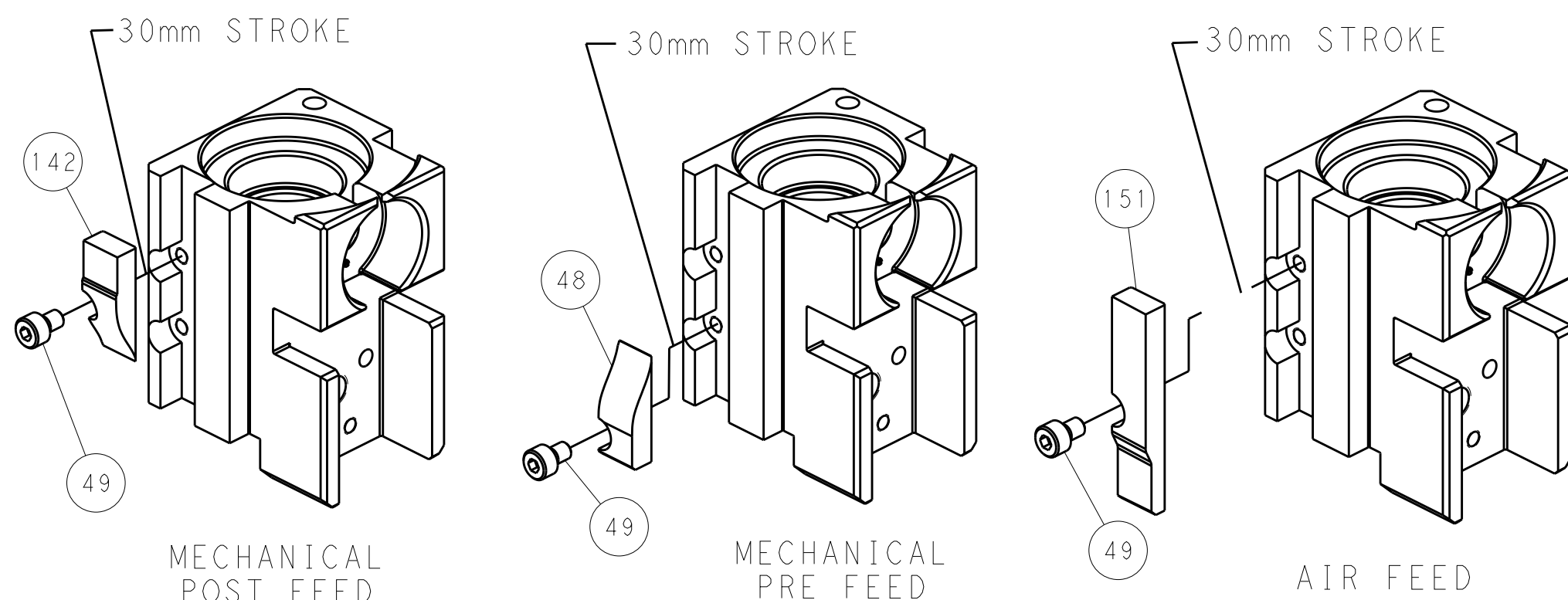
PNEUMATIC



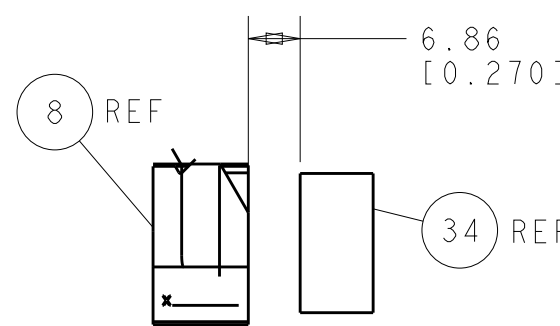
SERVO LATCH PLATE



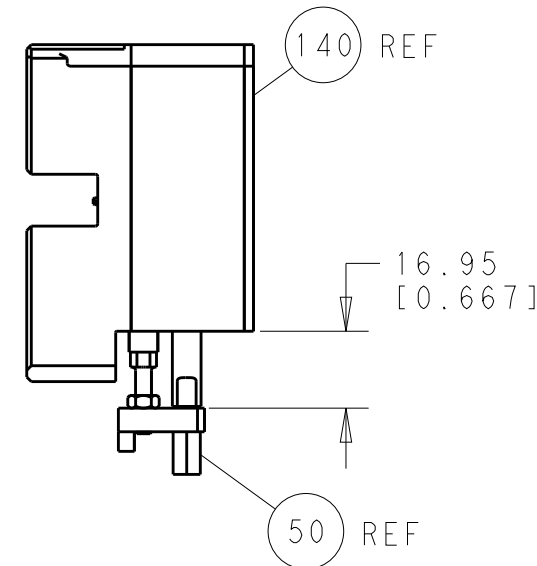
CAM POSITIONS



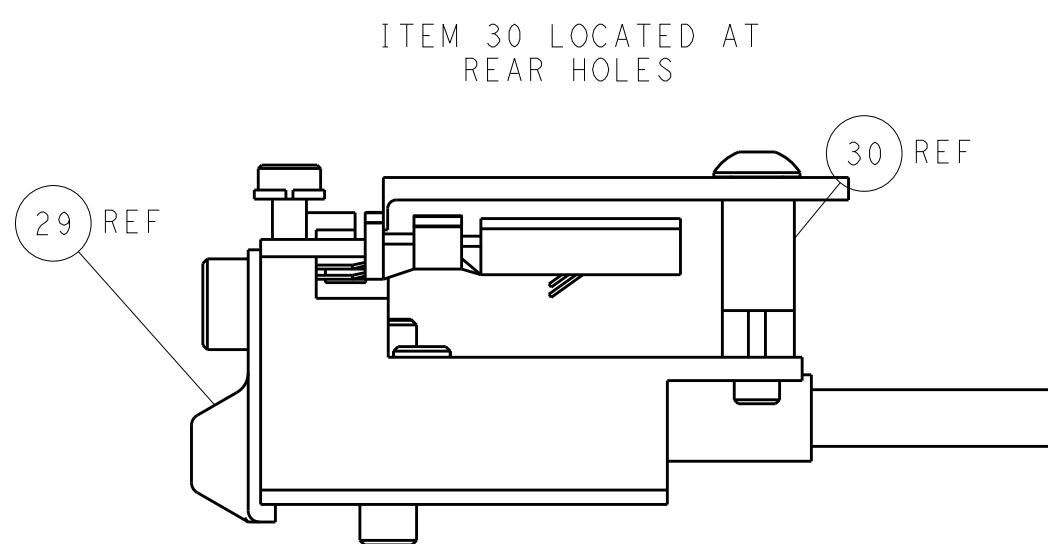
SHEAR DEPRESSOR DETAIL



TERMINAL SUPPORT LOCATION



HOLDDOWN 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)

FIRST PUBLISHED BY: 09NOV2011 THIS DRAWING IS UNPUBLISHED. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. ANY CHANGES TO THIS DRAWING SHOULD BE CONTACTED FOR THE LATEST VERSION.		DWN Y. YIN	09NOV2011	TE Connectivity Harrisburg, PA 17105-3608	
CHK G. BAILEY		09NOV2011	NAME	Ocean Side Feed Applicator	
APVD S. XI		09NOV2011	PRODUCT SPEC	SIZE	
APPLICATION SPEC		WEIGHT	CAGE CODE		DRAWING NO
MATERIAL		FINISH	00779		
CUSTOMER ACCESSIBLE PRODUCTION DRAWING		SCALE	1:2		SHEET
		REV	4		

Данный компонент на территории Российской Федерации

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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