

Д	APPLICATOR DATA	Д
CRIMP	SIZE	TYP[
WIRE	5.08 mm [.200]	F
INSUL	6.35 mm [.250]	F
APPl	INSTRUCTIONS 408-10390	

	TERMINAL DATA:	HS TERMINAL	TE CRIMA	P SPECIFICATION
	TERMINAL NAME:	RING CABLE L	UG TERMINAL	
	WIRE STRIP LE	ENGTH	INSULATION D	IAMETER RANGE
	5.87-6.63 mm [.231261 IN]	\emptyset 3.56-4.75 mm	[.140187 [N]
	TERMINAL	NONE	-	-
С	APPLICATION SPECIFICATION	-	-	-
	TERMINALS AF	PLIED 1		
	TE TERMINAL	HS TERMINAL .	TE TERMINAL	HS TERMINAL
	3311170-1	24.361.120	3311170-3	24.361.310
	3311170-2	24.361.110	3311170-4	24.361.320

WIRE SIZE 🚳 🖟	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT 9 REFERENCE SETTING
6.00mm2	3.21+/-0.05 [.126+/002]	3.2
5.00mm2	3.05+/-0.05 [.120+/002]	5.2
4.00mm2	2.88+/-0.05 [.113+/002]	6.4
3.00mm2	2.72+/-0.05 [.107+/002]	8.9
2.50mm2	2.64+/-0.05 [.104+/002]	9.7

1 RECOMMENDED SPARE PARTS

2 GREASE BEARING SURFACES LIGHTLY

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

APPLICATOR SPECIFIC DATA TO BE ENTERED INTO BLANK MEMORY CHIP AT ASSEMBLY. SEE BELOW FOR PART NUMBER:
PNEUMATIC FEED WITH "SMART APPLICATOR" CONVERSION: 8-2150904-4
SERVO FEED WITH "FINE CRIMP HEIGHT ADJUST": 8-2150904-5
SERVO FEED WITH "NON-CRIMP HEIGHT ADJUST": 8-2150904-6

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

APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 62 & 180.
APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.
FOR -6 ONLY APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 37 & 180.

The dream of threads, groove and o-ring on items 35 & 252.

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

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 TERMINAL PITCH NOT COMPATIBLE WITH MECHANICAL FEED.

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

12. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT 101-35000.

*	\mathbb{W}	A	R	\mathbb{N}	I	NG	
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ON INSTALLATION, SET WIRE DISC, ITEM 40 TO LARGEST WIRE SIZE SETTING. USE OF SETTINGS BELOW MINIMUM REQUIRED CRIMP HEIGHT SETTING WILL CAUSE DAMAGE TO CRIMP TOOLING.

_	_	1	-	_	2119957-2	APPLICATOR SHIM PACK	260
-	1	_	1	1	8 - 21084 - 0	O-RING, .676 ID, .070 DIA. MAT.	252
- 7 7	7 - 7	- 6	- 5	- 2	PART NO	DESCRIPTION	I T E M N O

ATLANTIC VERSION

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

					A	RELEASED 14MAY201	18 MZ CT
_	_	_	_	1	2119640-1	PUSH ROD, AIR FEED	250
_	_	_	_	1	1803259-1	BUSHING, FLANGED	249
_	-	-	-	1	2119641-1	FEED CAM, AIR FEED	248
_	1	-	1	1	2119798-1	DETENT PIN	247
_		1			1-22279-3	SPRING, COMPRESSION	246
_	1	1	1	1	2119759-1 2119082-3	RAM, AMP STYLE, END FEED, NON-ADJUSTMENT	ST 245 244
	1	1	1 1	1	2079764-1	WASHER, WAVE SPRING, CREST-TO-CREST	
	1	1	1	1	2119083-1	RETAINER, INSULATION DIAL	242
_		2	2	_	2168400-7	SHCS, LOW HEAD, ROHS, M5 X 10	240
_	_	_		1	2063440-2	AIR FEED MODULE	238
_	_	1	1	_	2119740-2	TAG, IDENTIFICATION	213
_	_	RFF	REF		1901697-1	FEED FINGER ASSEMBLY, EF	183
_	1	1	1	1	1752354-5	STANDOFF, HOLD-DOWN	180
,	1	1	1 1	1	6-993111-6	PIN, SLOTTED SPRING 3.0 X 14.0	177
	1	1	1	1	8-22280-7	SPRING, COMPRESSION	176
_	1	1	1 1	1	1752353-2	GUIDE PIN, HOLDDOWN	175
_	1	1	1 1	1	1901680-2	GUIDE PIN, HOLDDOWN	174
_		_		2	21045-3	RING, RETAIN, EXTERN, 3/16 CRESCEN	
_	1	1	1	1	994969-1	MAGNET, RARE EARTH HIGH ENERGY	166
				REF		COUNTER, MAGNETIC	164
				1		SPRING, FEED FINGER	163
		_		1	240638-1	PIN, RETAIN, GRVD, 3/16 X .854	137
_			REF	· _	SEE NOTE 4	MEMORY CHIP, PROGRAMMED	135
_	_	1	1	_	1633743-1	SERVO FEED LATCH ASM	133
	1 1	1	1	1	455888-4	SPACER, CRIMPER	82
_	1	1	1	1	2119956-2	DOCUMENTATION PACKAGE	71
_	2	2	2	2	2-18032-2	SCR, SET, FLT PNT, M3 X 10.0	70
_	1	_		1	2119740-1	TAG, IDENTIFICATION	67
_	2	2	2	2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .188	66
_	1	1	1 1	1	1901681-1	HOLDDOWN, TERMINAL	65
_	1 1	_	1 1	1	2119793-1	LIMITER, ADJUSTMENT BOLT	63
_	3	_	3	3	992763-5	SCR, SET, SOC, CONE PNT, M3 x 4.0	62
_	1 1	1	1 1	1	2079383-4	SCR, BHSC, RoHS (M4 X 8)	60
_	4	4	4	4	2168400-4	SHCS, LOW HEAD, ROHS, M4 X 8	57
_	2	2	2	2	2168083-8	SCR, SKT HD CAP, RoHS, M4 X 16	56
_	2	2	2	2	5018030-1	NUT, HEX, REG, RoHS, M3	5 4
-	2	2	2	2	986965-8	NUT, LOCK, HEX, TORQUE (M4)	53
_	1	1	1	1	1-5018030-0	NUT, HEX, REG, RoHS, M3.5	52
_	_	-	-	1	2119792-2	PAWL, EF, AIR	5 1
-	-	-	-	1	18023-9	SCR, SKT HD CAP M4 X 6.0	4 9
_	1	1	1	1	2119655-5	APPLICATOR BASIC ASSEMBLY, EF	4 6
-	1	-	1	1	2119369-1	RAM, AMP STYLE, END FEED	4 4
_	1	1	1	1	2079383-7	SCR, BHSC, RoHS (M8 X 25)	4 1
_	1	-	1	1	2119645-1	DISC, NUMBERED FA WIRE ADJUSTMENT	40
_	1	-	1	1	2119957-1	APPLICATOR SHIM PACK	3 9
-	1	1	1	1	2119644-6	RAM WASHER, PRECISION	38
_	1	1	1	1	2119085-1	FA HEAD, ATLANTIC STYLE	3 7
_	1	-	1	1	2119092-1	BOLT, ADJUSTMENT	35
_	8	8	8	8	1 - 18028 - 2	WASHER, FLAT, REG M4	3 3
_	2	2	2	2	2168083-9	SCR, SKT HD CAP, RoHS, M4 X 20	3 1
_	2	2	2	2	1-2168083-0	SCR, SKT HD CAP, RoHS, M4 X 10	29
_	1 1	1	1 1	1	240639-1	STRIPPER (MACHINING)	27
_	2	2	2	2	1-2168083-5	SCR, SKT HD CAP, RoHS, M4 X 30	25
_	1 1	1 1	1 1	1	1-1752371-2	PLATE, STRIP GUIDE	24
_	2	2	2	2	2-22281-3	SPRING, COMPRESSION	22
_	1 1	1	1 1	1	1803292-4	DRAG	20
_	1	1	1	1	1901696-6	STRIP GUIDE, REAR	1 9
_	1	1	1 1	1	1901695-6	STRIP GUIDE, FRONT	18
_	4	4	4	4	1-2079383-1	SCR, BHSC, RoHS (M6 X 12)	17
_	1	1	1	1	240641-1	SPACER	16
_	1	1	1 1	1	1752360-1	SPACER, HOLD-DOWN	1 3
_	1	1	1	1	240644-1	PLATE, REAR SHEAR	
_	-	-		-	-	DIATE EDONT OUT AD	10
1	1	1	1	1	690482-3	PLATE, FRONT SHEAR	9
	1	1	1	1	7-1803074-3	ANVIL, COMBINATION, END FEED	8
_					1-2217206-5	BLADE, SLUG	
_	1	1	1	1	- 21001		6 5
_	1	1	1	1	240641-5	SPACER CDIMPER SPACER	5
1	1	1 1	1	1	238009-2	BLOCK, FL CRIMPER SPACER	4
	1	1	1	1		CRIMPER, INSULATION F	3
1	1	1	1	1	1 - 455888 - 4	SPACER, CRIMPER	1
					7-1803470-4	CRIMPER, WIRE F	1 7 7 7 1
- 77	7 - 7	- 6	- 5	- 2	PART NO	DESCRIPTION	I T E M NO
AWING IS A SUBJECT TO SHOUL	CONTROLLED CHANGE AND LD BE CONTA	DOCUMENT THE CONTR CTED FOR T	FOR TYCO EL OLLING ENGI HE LATEST R	ECTRONICS CONEERING ORGA	DRPORATION DWN 02APF	R2018 TE Connectivity	
					CHK 02APF	R2018 Harrisburg, PA 17105-3	608
) IMENSIC mm	ONS:		I OLERA OTHERWI	NCES UNL SE SPECI	FIED: APVD 02APF K.ZHANG	R2018 NAME Ocean End Feed	
10111			PLC PLC	±- ±-	PRODUCT SPEC	Applicator	
		2 F 3 F	PLC PLC	±- ±-	- APPLICATION SPEC		
		ANG	PLC GLES	±- 	±	SIZE CAGE CODE DRAWING NO	RESTRICTED TO
-			NISH	-	WEIGHT _	A 00779 C-2150904	-
-					Customer Accessi	ble Production Drawing SCALE 1.1 SHEET 1	OF REV A

REVISIONS

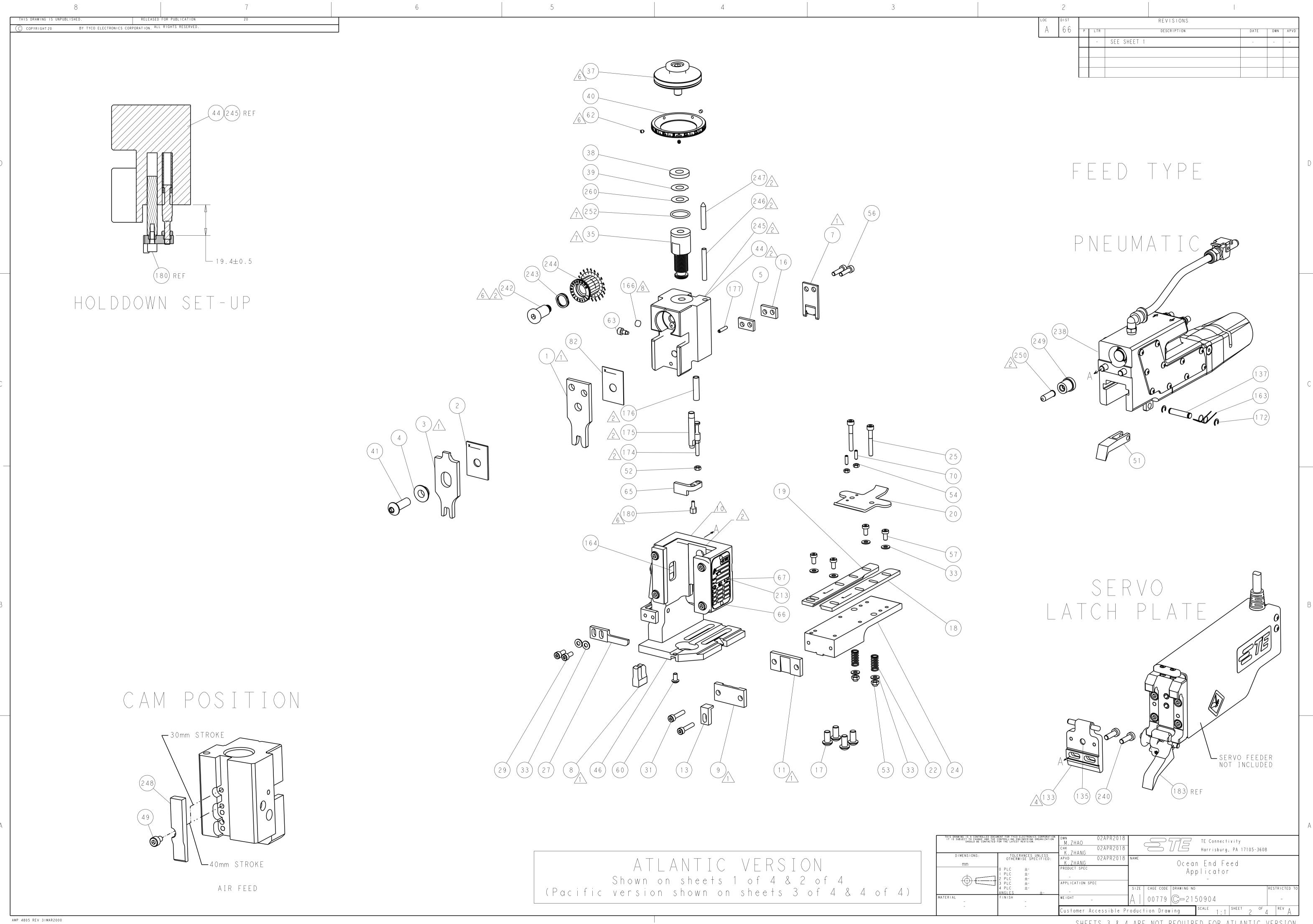
DESCRIPTION

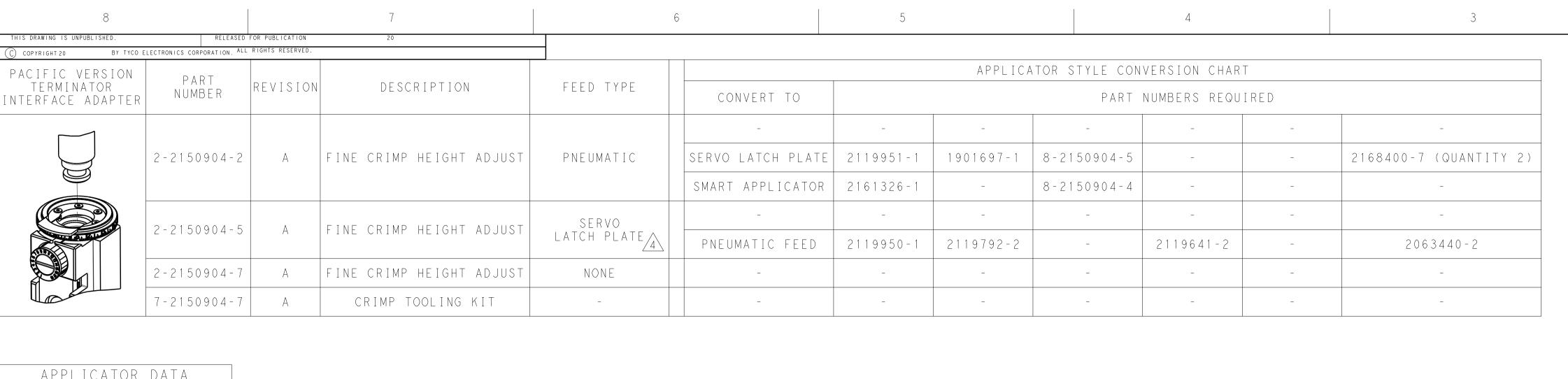
A RELEASED

DATE DWN APVD

14MAY2018 MZ CT

SET UP GAUGE 2119599-2





	А	PPLICATOR DAT	A
CRIM	1P	SIZE	TYPE
WIRE	E	5.08 mm [.200]	F
INSU	JL	6.35 mm [.250]	F
AP	PL	INSTRUCTIONS 408-10390	

TERMINAL DATA: HS TERMINAL	TE CRIMP SPECIFICATION
TERMINAL NAME: RING CABLE L	LUG TERMINAL
WIRE STRIP LENGTH	INSULATION DIAMETER RANGE
5.87-6.63 mm [.231261 IN]	\emptyset 3.56-4.75 mm [.140187 IN]
TERMINAL NONE APPLICATION	-
SPECIFICATION -	
TERMINALS APPLIED	

TIERMINALS AF	LLIED VO		
TE TERMINAL	HS TERMINAL	TE TERMINAL	HS TERMINA
3311170-1	24.361.120	3311170-3	24.361.310

24.361.110

WIRE SIZE 🚳 T	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT 9 REFERENCE SETTING
6.00mm2	3.21+/-0.05 [.126+/002]	3.2
5.00mm2	3.05+/-0.05 [.120+/002]	5.2
4.00mm2	2.88+/-0.05 [.113+/002]	6 . 4
3.00mm2	2.72+/-0.05 [.107+/002]	8.9
2.50mm2	2.64+/-0.05 [.104+/002]	9.7

3311170-4

24.361.320

3311170-2

1 RECOMMENDED SPARE PARTS

2 GREASE BEARING SURFACES LIGHTLY

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

APPLICATOR SPECIFIC DATA TO BE ENTERED INTO BLANK MEMORY CHIP AT ASSEMBLY. SEE BELOW FOR PART NUMBER:

PNEUMATIC FEED WITH "SMART APPLICATOR" CONVERSION: 8-2150904-4
SERVO FEED WITH "FINE CRIMP HEIGHT ADJUST": 8-2150904-5

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

APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 62 & 180. APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.

GREASE THREADS, GROOVE AND O-RING ON ITEMS 139 & 153.

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

ORIMP 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 TERMINAL PITCH NOT COMPATIBLE WITH MECHANICAL FEED.

THE RECOMMENDED SET-UP FOR END FEED APPLICATORS IS POST-FEED WITH ITEM 2119653-1. THE APPLICATOR CAN BE CONFIGURED FOR PRE-FEED WITH ITEM 2119652-1 BUT MAY ENCOUNTER PROBLEMS WITH SOME APPLICATIONS. FEED ISSUES OR TERMINAL JAMMING MAY OCCUR IN THE PRE-FEED CONFIGURATION.

12. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT 101-35000.

*WARNING
ON INSTALLATION, SET WIRE DISC, ITEM 40 TO
LARGEST WIRE SIZE SETTING. USE OF SETTINGS
BELOW MINIMUM REQUIRED CRIMP HEIGHT SETTING
WILL CAUSE DAMAGE TO CRIMP TOOLING.

PACIFIC VERSION

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

	SET UP GAUGE	OC DIST A 66 PLTR	REVISIONS DESCRIPTION	DATE	DWN APVD
		-	SEE SHEET 1	-	
_	1 1 1	2119782-1	FINE ADJUST HEAD ASM, PACIFIC	STYLE	251
_	1	2119640-1 1803259-1	PUSH ROD, AIR FEED BUSHING, FLANGED		250 249
_	1 1 1	1-22279-3	SPRING, COMPRESSION	A C NI T	246
_	1 1 1	2119082-3	CAM, SNAIL, INSULATION ADJUSTI WASHER, WAVE SPRING, CREST-TO		244
_	1 1 1	2119083-1	RETAINER, INSULATION DIAL		242
_	- 2 -	2168400-7 2063440-2	SHCS, LOW HEAD, ROHS, M5 X 10 AIR FEED MODULE		240
_	- 1 - 4 4 4	2119740-2	TAG, IDENTIFICATION		213
	4 4 4 4 REF	2079383-9	SCR, BHSC, RoHS (M6 X 20) FEED FINGER ASSEMBLY, EF		186
-	1 1 1	1752354-5 6-993111-6	STANDOFF, HOLD-DOWN PIN, SLOTTED SPRING 3.0 X 14.	^	180
_	1 1 1	8-22280-7	SPRING, COMPRESSION	J	176
_	1 1 1	1752353-2 1901680-2	GUIDE PIN, HOLDDOWN GUIDE PIN, HOLDDOWN		175
_	2	21045-3	RING, RETAIN, EXTERN, 3/16 CR	ESCENT	172
-	1 1 1 REFREFREF	994969-1		Y	166
_	1	994970-2 240638-1	COUNTER, MAGNETIC SPRING, FEED FINGER		164
-		8 - 21084 - 1 2119641 - 2		Γ.	153 152
_	1 1 1	2119641-2	DETENT PIN		145
-	1 1 1	2079383-8 2119655-6	SCR, BHSC, RoHS (M4 X 16) APPLICATOR BASIC ASSEMBLY, EF		1 4 4
_		2119651-1	RAM, ASIAN STYLE, END FEED		1 4 0
_		2119092-2		И	139
_	- REF -	SEE NOTE 4	MEMORY CHIP, PROGRAMMED	Т	135
_	1 1 1	1633743-1 455888-4	SERVO FEED LATCH ASM SPACER, CRIMPER		133
_		2119956-2	DOCUMENTATION PACKAGE		7 1
_		2-18032-2	SCR, SET, FLT PNT, M3 X 10.0 TAG, IDENTIFICATION		70
_	2 2 2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .	188	66
-		1901681-1	HOLDDOWN, TERMINAL LIMITER, ADJUSTMENT BOLT		65
<u> </u>	3 3 3	992763-5	SCR, SET, SOC, CONE PNT, M3 x	4.0	62
_	2 2 2	2168400-4	SHCS, LOW HEAD, ROHS, M4 X 8 SCR, SKT HD CAP, ROHS, M4 X 1	ĵ	5 7 5 6
_	2 2 2	5018030-1	NUT, HEX, REG, RoHS, M3		54
_	2 2 2 1 1 1 1	986965-8	NUT, LOCK, HEX, TORQUE (M4) NUT, HEX, REG, RoHS, M3.5		53 52
_	1	2119792-2	, ,		51
_	1 1 1	18023-9	SCR, SKT HD CAP M4 X 6.0 SCR, BHSC, RoHS (M8 X 25)		49
_	1 1 1	2119645-1	DISC, NUMBERED FA WIRE ADJUSTI APPLICATOR SHIM PACK	MENT	40
_	1 1 1	2119937-1	RAM WASHER, PRECISION		38
_	8 8 8	1-18028-2	WASHER, FLAT, REG M4 SCR, SKT HD CAP, RoHS, M4 X 2	<u> </u>	33
_	2 2 2	1-2168083-0			29
_	2 2 2	240639-1		<u> </u>	27
_	1 1 1	1-1752371-2	PLATE, STRIP GUIDE	V	2 4
_	2 2 2	2-22281-3	SPRING, COMPRESSION DRAG		22
_	1 1 1	1901696-6	STRIP GUIDE, REAR		1 9
_	1 1 1 1	1901695-6	STRIP GUIDE, FRONT SPACER		18
_	1 1 1	1752360-1	SPACER, HOLD-DOWN		1 3
	1 1 1	240644-1	PLATE, REAR SHEAR -		1 1
	1 1 1	690482-3	PLATE, FRONT SHEAR		9
-	1 1 1 1	7-1803074-3			8 7
_		-	-		6
_	1 1 1 1	240641-5 238009-2	SPACER BLOCK, FL CRIMPER SPACER		5 4
1	1 1 1	2-1803016-6	CRIMPER, INSULATION F		3
1	1 1 1 1	1 - 455888 - 4 7 - 1803470 - 4	SPACER, CRIMPER CRIMPER, WIRE F		2
- 7	7-27-25-22	PART NO	DESCRIPTION		I T E M N O
	LED DOCUMENT FOR TYCO ELECTRONICS COL AND THE CONTROLLING ENGINEERING ORGAI NTACTED FOR THE LATEST REVISION.	M.ZHAO	PAPR2018 TE Connectivit	•	INO
SIONS:	TOLERANCES UNL OTHERWISE SPECIF	K.ZHANG APVD 02	PAPR 2018 Harrisburg, PA PAPR 2018 NAME Occupantion of the control		
<u> </u>	0 PLC ±- 1 PLC ±-	K.ZHANG PRODUCT SPEC	Ocean End Feed Applicator		
<i>)</i> - =	2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES +-	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO		RESTRICTED TO
	FINISH -	WEIGHT _	A 00779 C=2150904		_

