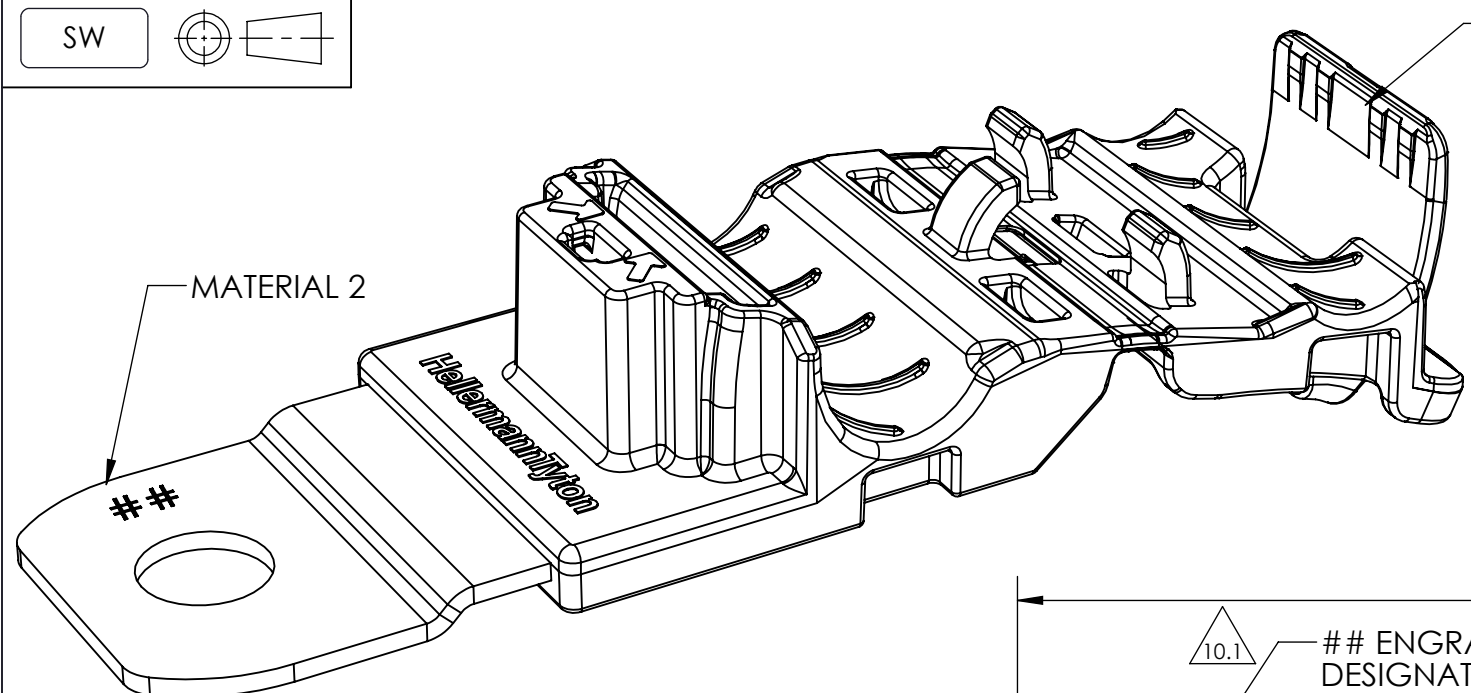
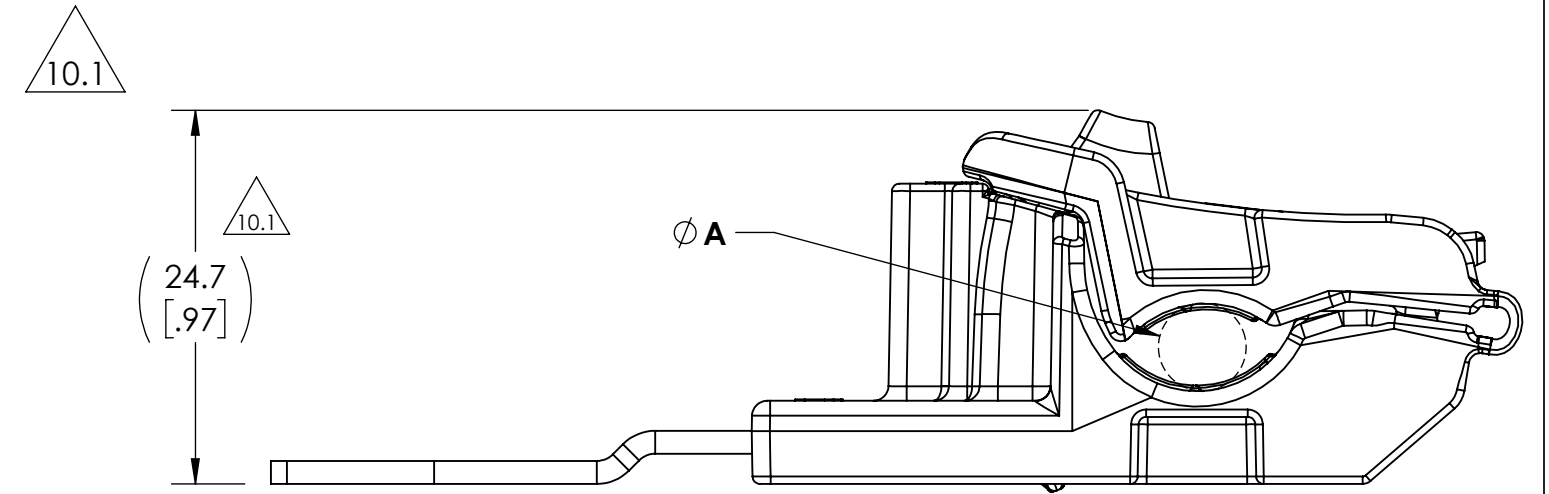
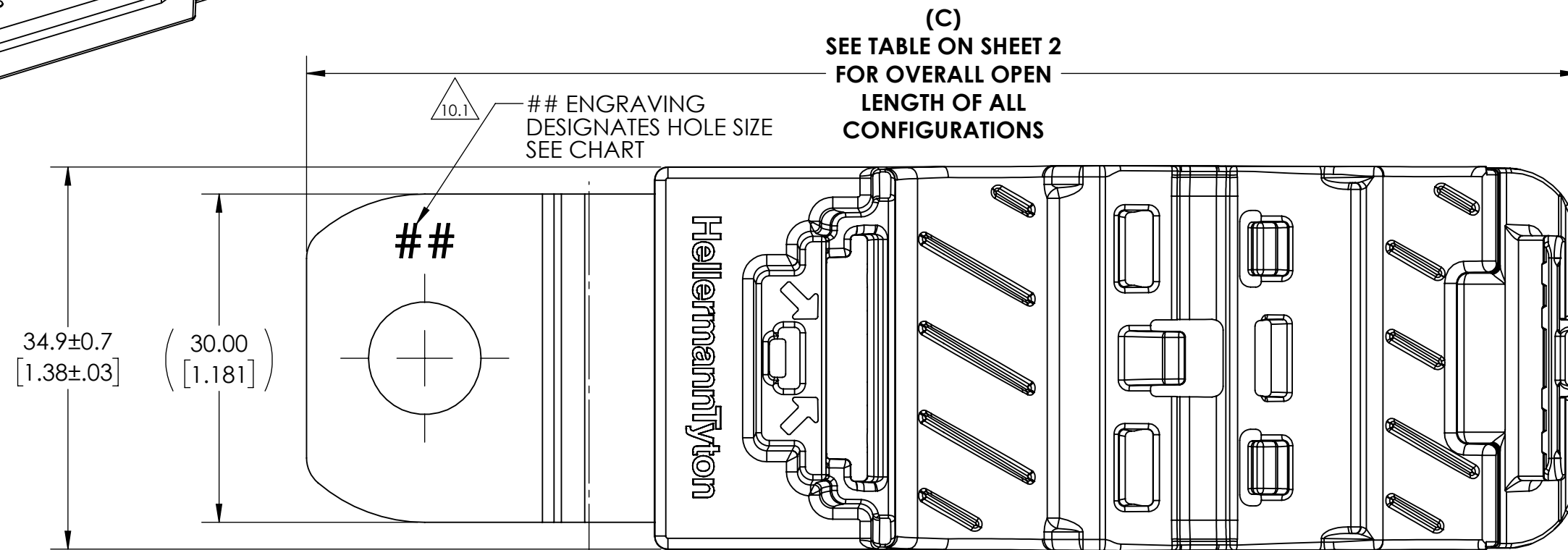


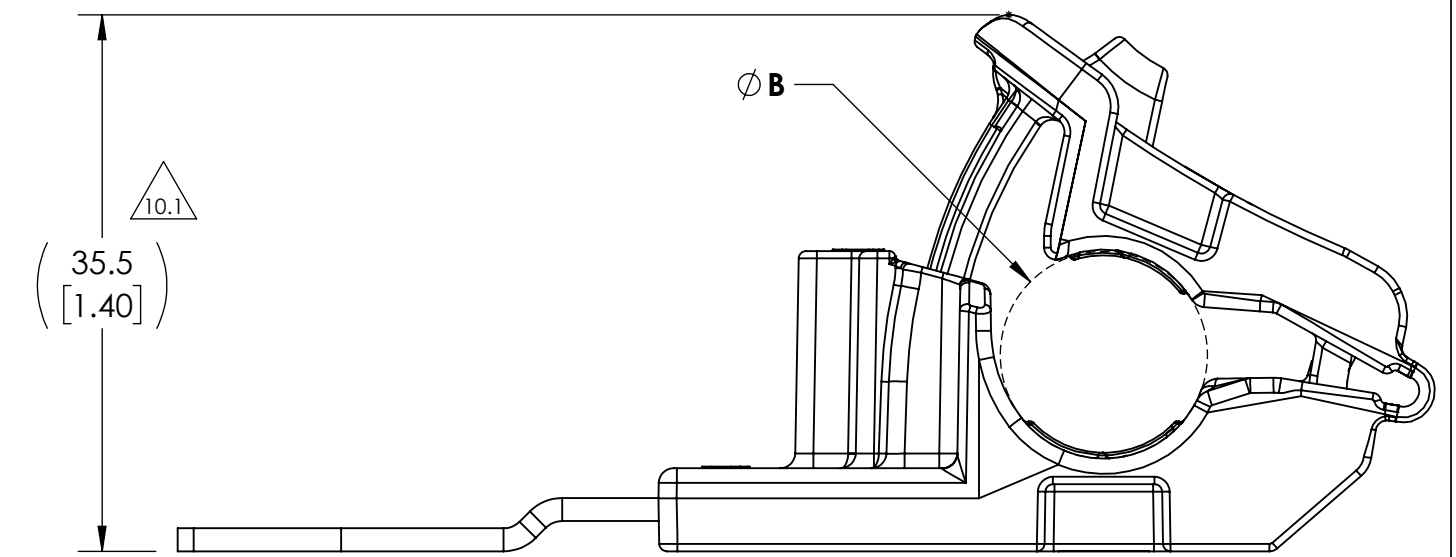
Revision level			Revision Record	Changed	Date	Approved	Date
Drawing	State	Part					
10.1	Design Release	B	SEE ECN# 015124	CTF	05/07/2019	MHT	05/07/2019



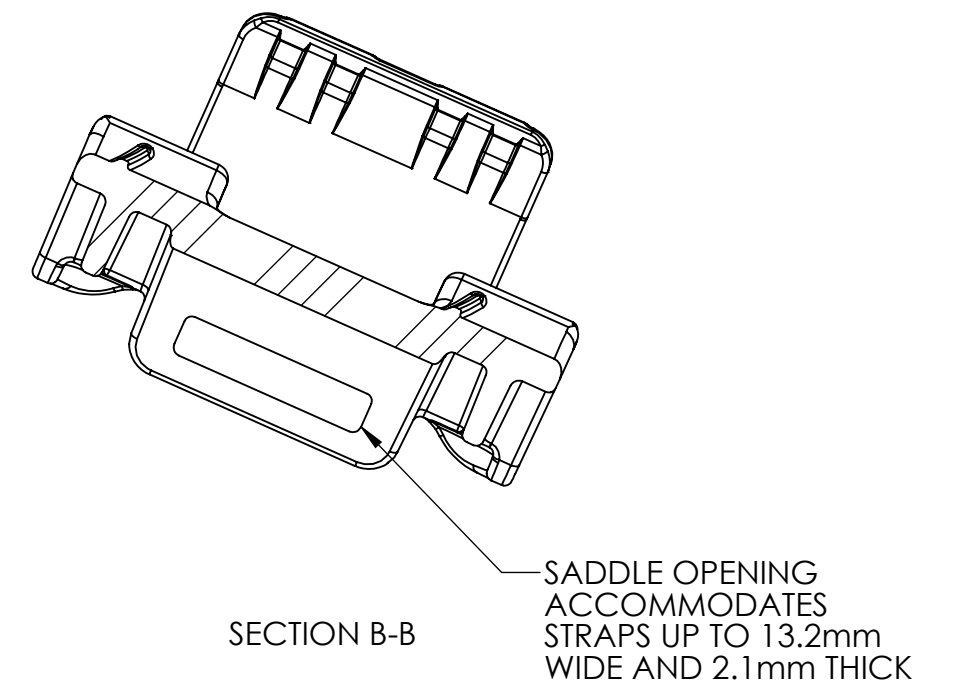
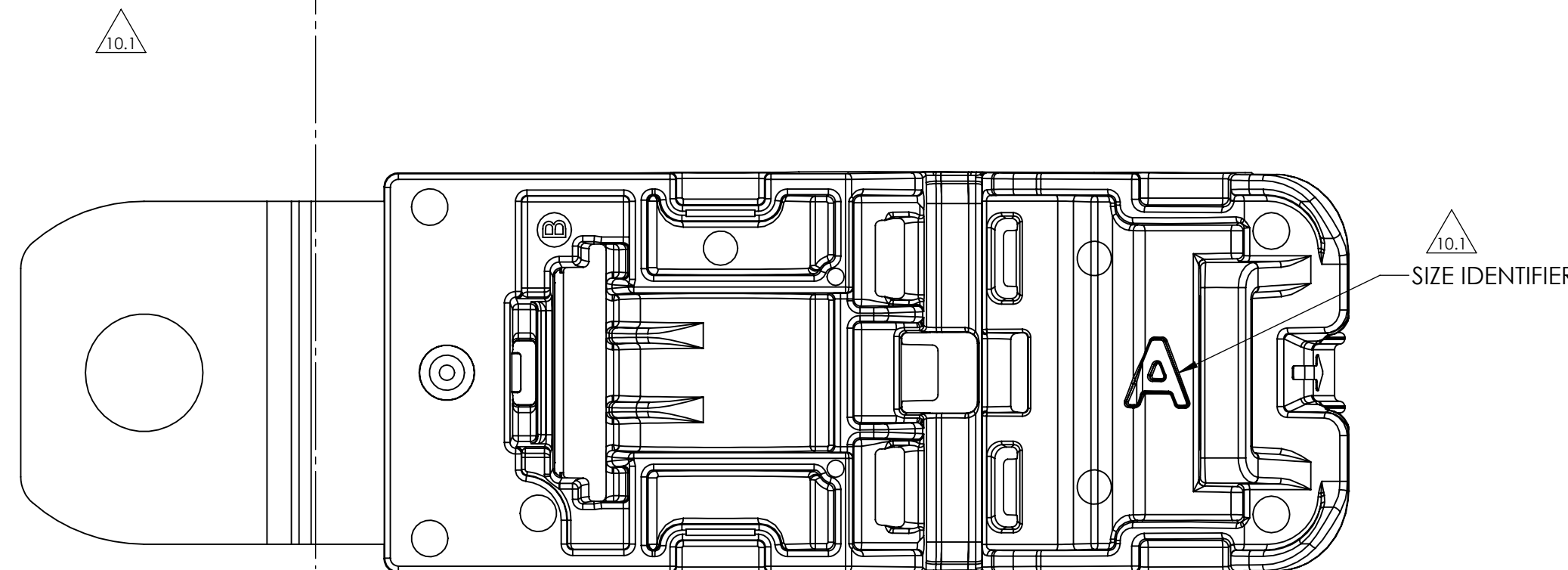
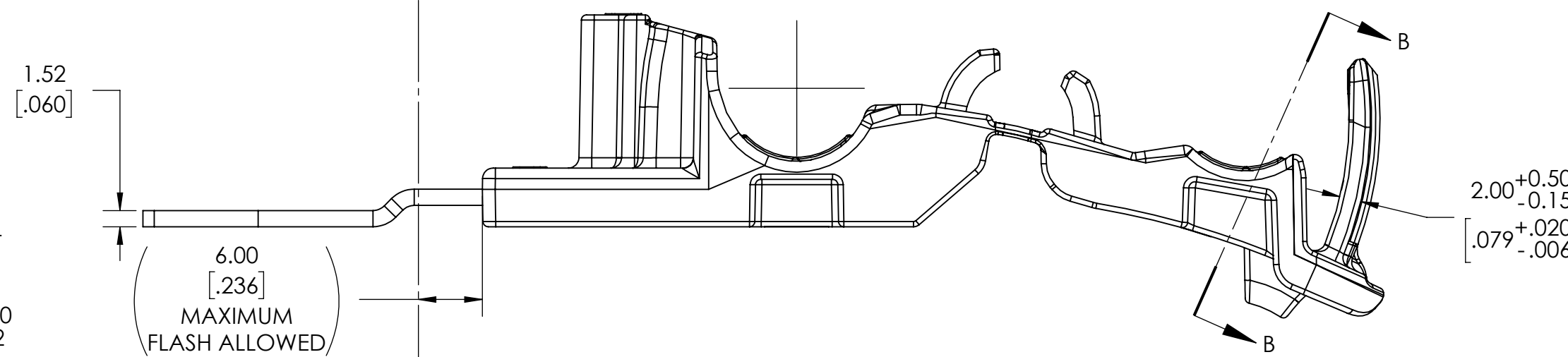
**CONFIGURATION 1 SHOWN  
PRODUCT SHIPPED IN CLAMP OPEN POSITION**



**MINIMUM BUNDLE DIAMETER**



**MAXIMUM BUNDLE DIAMETER**



**INITIAL MOLD VALIDATION:**

DRY AS MOLDED WITH ≤ 0.5% MOISTURE CONTENT:

1. ITS-0003 RATCHET CLAMP SOLID MANDREL TEST:  
EXCEEDED 445 NEWTONS (100 LBS) MIN AT A  
NOMINAL BUNDLE DIAMETER OF 9.53 [0.375]  
TESTING ONLY REQUIRED OF CONFIGURATION  
\*RCA180SM10, \*RCA180LM10, AND \*RCA90LM10  
\*TESTING CAN BE SUBSTITUTED WITH M6, M8, M12  
VERSION MOUNTING HOLES
2. ITS-0008 RATCHET CLAMP CLOSE AND RELEASE TEST:  
EXCEEDED 445 NEWTONS (100 LBS) MIN AT A  
NOMINAL BUNDLE DIAMETER OF 9.53 [0.375] AFTER  
CLOSING AND RELEASING 40 TIMES
3. ITS-0014 RATCHET CLAMP LOW TEMPERATURE HINGE  
TEST:  
NO DAMAGE OCCURED AFTER BENDING LIVING  
HINGE 40 TIMES AT -40°C

**PERFORMANCE REQUIREMENTS:**

DRY AS MOLDED WITH ≤ 0.5% MOISTURE CONTENT:

4. ITS-0001 RATCHET CLAMP SPLIT MANDREL TEST:  
445 NEWTONS (100 LBS) MIN AT A NOMINAL BUNDLE  
DIAMETER OF 9.53 [0.375]
5. MAXIMUM PERCENT REGRIND PERMISSABLE: 25%
6. MAXIMUM ALLOWABLE FLASH OR MISMATCH TO BE:  
0.25mm

NOTE: TESTING #2, #3 AND #4 CAN BE DONE ON ANY TYPE  
NUMBER AND WILL APPLY TO ALL OTHER TYPE NUMBERS IN  
THE TABLE ON SHEET 2

BUNDLE TYPES	A	B	Article/Type-No	Scale
	MINIMUM DIAMETER	MAXIMUM DIAMETER		
SOFT	6.2 [.24]	13.7 [.54]	SEE CHART SHEET 2	2:1
HARD	5.4 [.21]	12.9 [.51]	RCA RATCHET P CLAMP, SIZE A, CLAMP RANGE 6.0 TO 13.7	Project Number PRP15-0341
			Production : Phase	Format C
			<b>15-0341-102-CSU</b>	Sheet 1/2

Notes

Material  
1. PA66HIRHSUV  
2. ZINC PLATED STEEL

Units: millimeters  
Dimension without  
tolerances details to:  
.xxx = ±.013  
.xx = ±.13  
.x = ±.3  
None = ±.8  
< = ±0.5\*

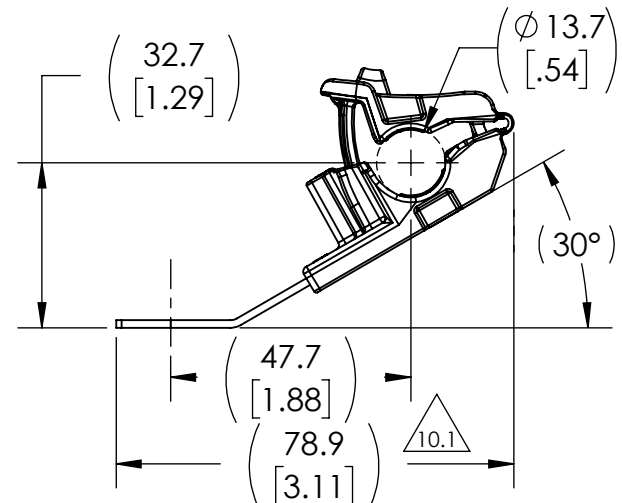
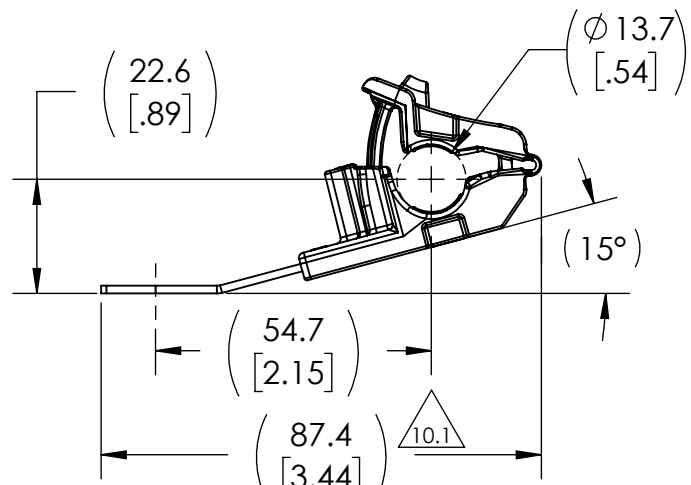
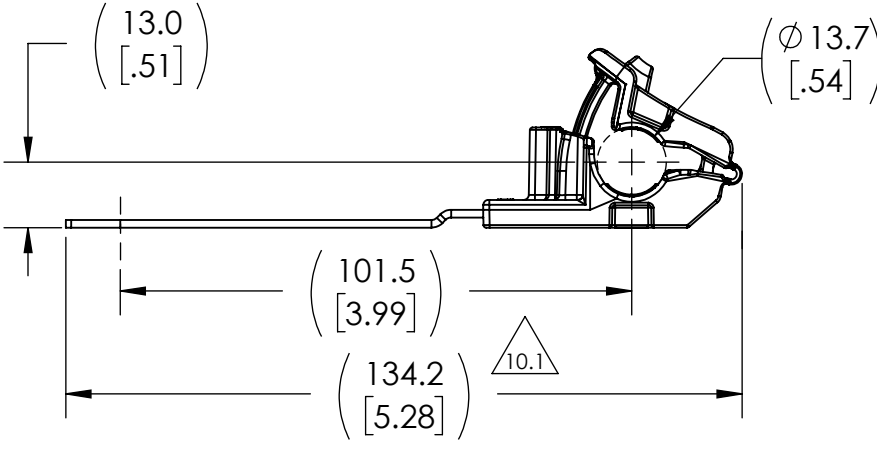
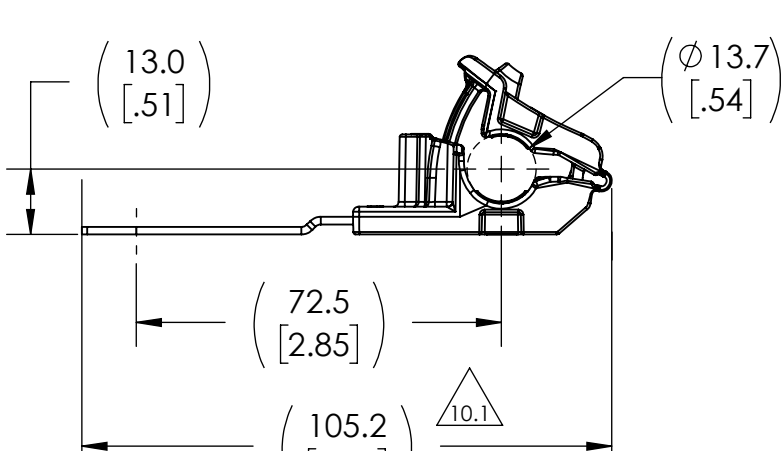
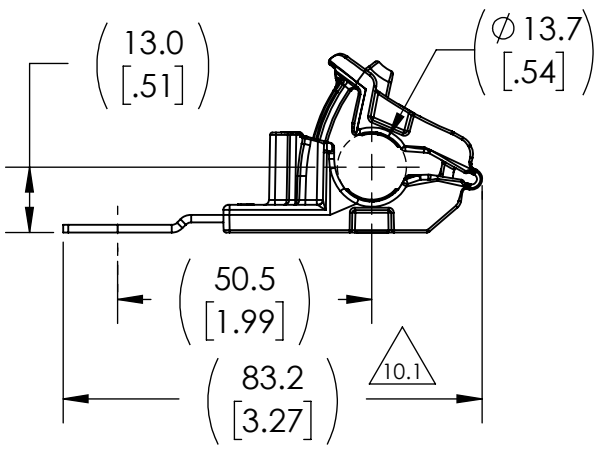
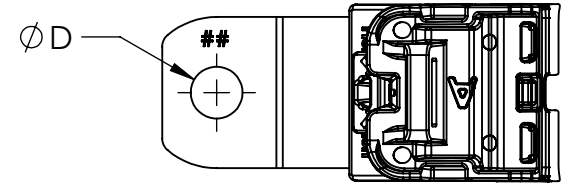
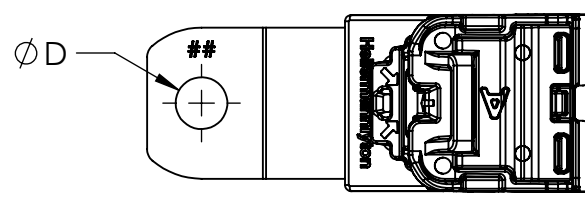
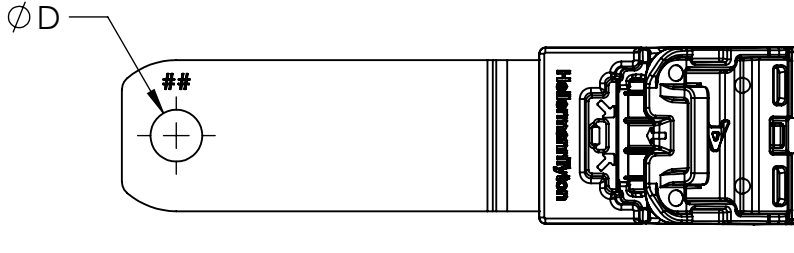
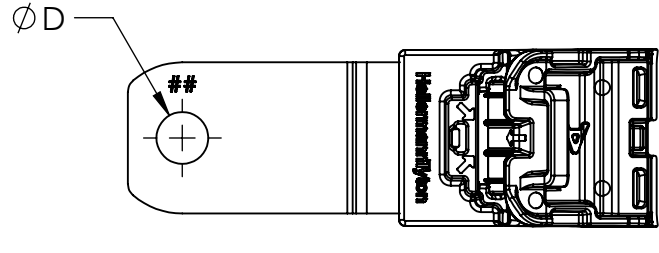
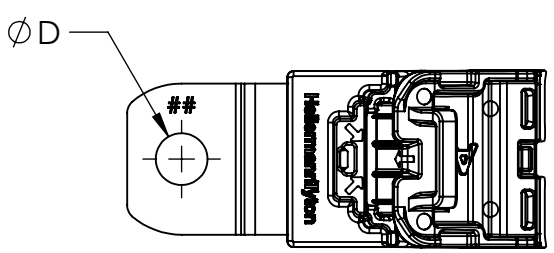
Dimension Formatted mm{in}

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Drawn MHT 05/26/2015  
Approved KAC 05/28/2015

HellermannTyton  
North America  
Email: corp@htamericas.com  
Web: www.hellermann.tyton.com

Revision level			Revision Record	Changed	Date	Approved	Date
Drawing	State	Part					
10.1	Design Release	B	SEE ECN# 015124	CTF	05/07/2019	MHT	05/07/2019



**CONFIGURATION: 1**

**CONFIGURATION: 2**

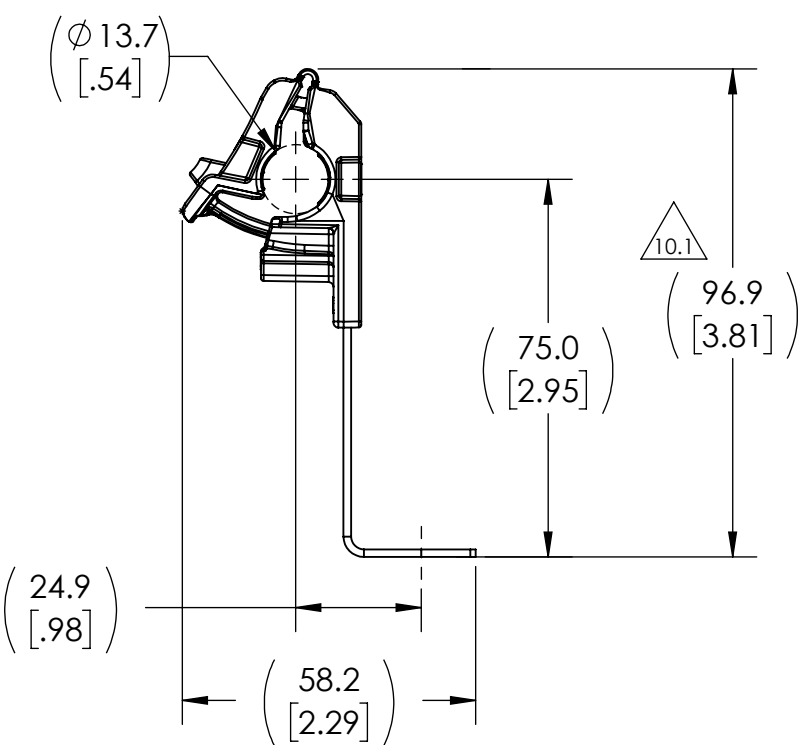
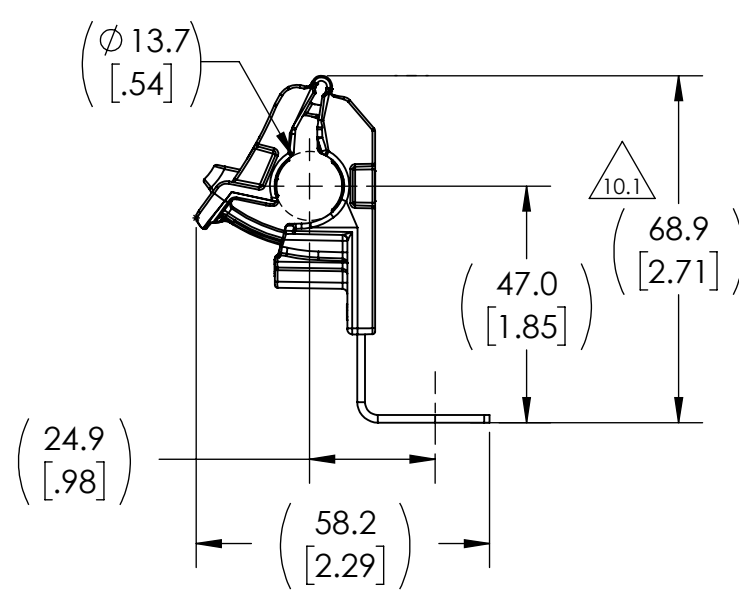
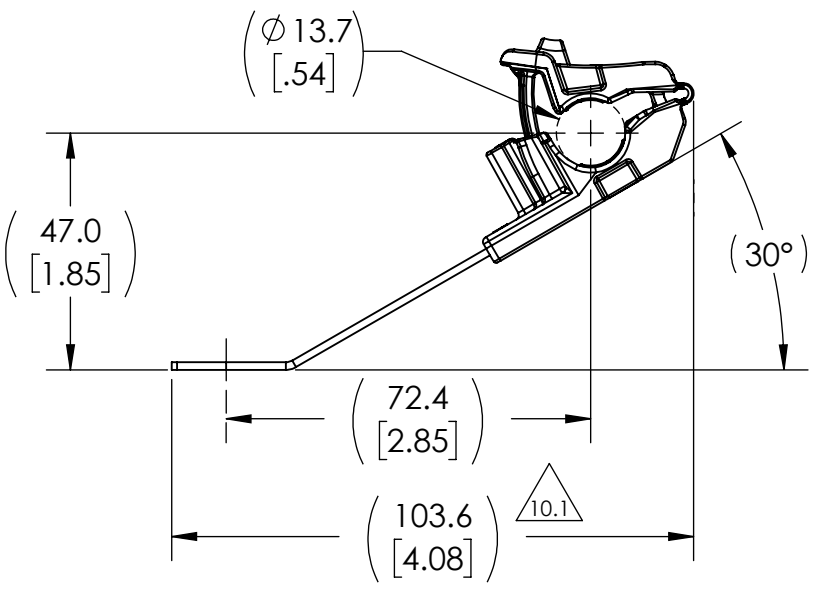
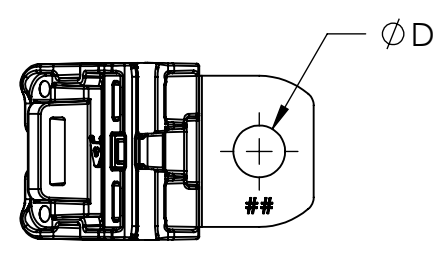
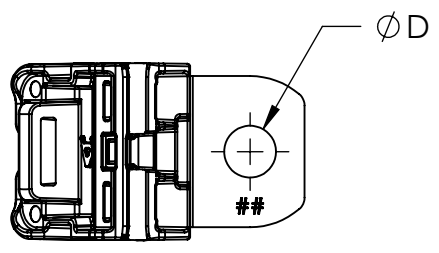
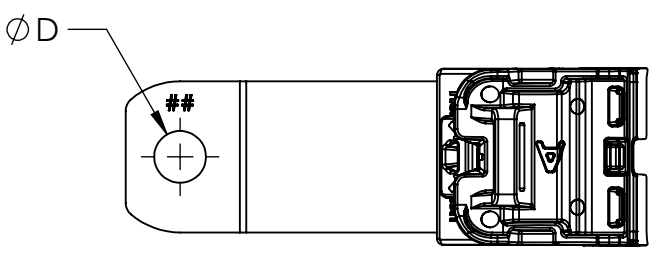
**CONFIGURATION: 3**

**CONFIGURATION: 4**

**CONFIGURATION: 5**

**ALL VIEWS IN MAXIMUM BUNDLE DIAMETER  
PRODUCT SHIPPED IN CLAMP OPEN POSITION**

CONFIGURATION	DESCRIPTION	D ±0.13	TYPE	## ENGRAVING	C - OVERALL OPEN LENGTH REFERENCE (SEE SHEET 1)
1	180° SHORT	6.50 [.256]	RCA180SM6	6	116.2 [4.58]
		8.31 [.327]	RCA180SM8	8	
		10.29 [.405]	RCA180SM10	10	
		12.95 [.510]	RCA180SM12	12	
2	180° MEDIUM	6.50 [.256]	RCA180MM6	6	138.2 [5.44]
		8.31 [.327]	RCA180MM8	8	
		10.29 [.405]	RCA180MM10	10	
3	180° LONG	6.50 [.256]	RCA180LM6	6	167.2 [6.58]
		8.31 [.327]	RCA180LM8	8	
		10.29 [.405]	RCA180LM10	10	
4	15° SHORT	6.50 [.256]	RCA15SM6	6	124.1 [4.89]
		8.31 [.327]	RCA15SM8	8	
		10.29 [.405]	RCA15SM10	10	
5	30° SHORT	6.50 [.256]	RCA30SM6	6	122.0 [4.80]
		8.31 [.327]	RCA30SM8	8	
		10.29 [.405]	RCA30SM10	10	
6	30° LONG	6.50 [.256]	RCA30LM6	6	150.5 [5.93]
		8.31 [.327]	RCA30LM8	8	
		10.29 [.405]	RCA30LM10	10	
7	90° SHORT	6.50 [.256]	RCA90SM6	6	101.9 [4.01]
		8.31 [.327]	RCA90SM8	8	
		10.29 [.405]	RCA90SM10	10	
8	90° LONG	6.50 [.256]	RCA90LM6	6	129.9 [5.12]
		8.31 [.327]	RCA90LM8	8	
		10.29 [.405]	RCA90LM10	10	
		12.95 [.510]	RCA90LM12	12	



**CONFIGURATION: 6**

**CONFIGURATION: 7**

**CONFIGURATION: 8**

Notes	Material	Units: millimeters	Drawn	MHT	05/26/2015	Article/Type-No	SEE CHART SHEET 2	Scale	2:3
	1. PA66HIRHSUV 2. ZINC PLATED STEEL	Dimension without tolerances details to: .xxx = ±.013 .xx = ±.13 .x = ±.3 None = ±.8 < = ±0.5*	Approved	KAC	05/28/2015	Title	RCA RATCHET P CLAMP, SIZE A, CLAMP RANGE 6.0 TO 13.7	Project Number	PRP15-0341
			The copyright of this drawing is reserved by HellermannTyton. It is issued on condition that it is not reproduced, copied, or disclosed to a third party, either wholly or in part, without the consent of HellermannTyton.		HellermannTyton		Production: Phase	C	
			North America Email: corp@htamericas.com Web: www.hellermann-tyton.com		Drawing-No		15-0341-102-CSU		Sheet

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