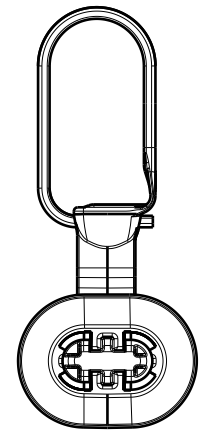
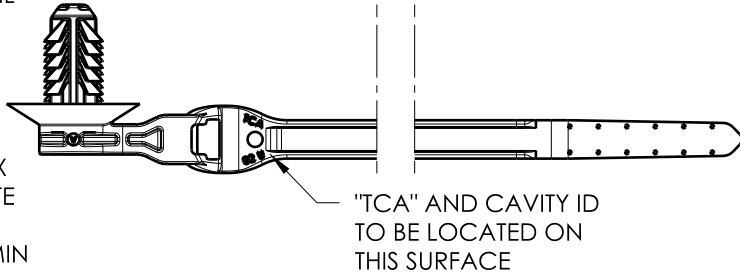
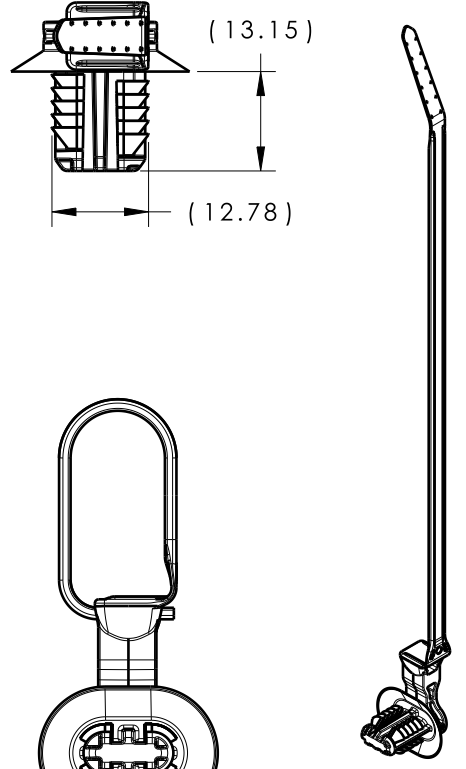
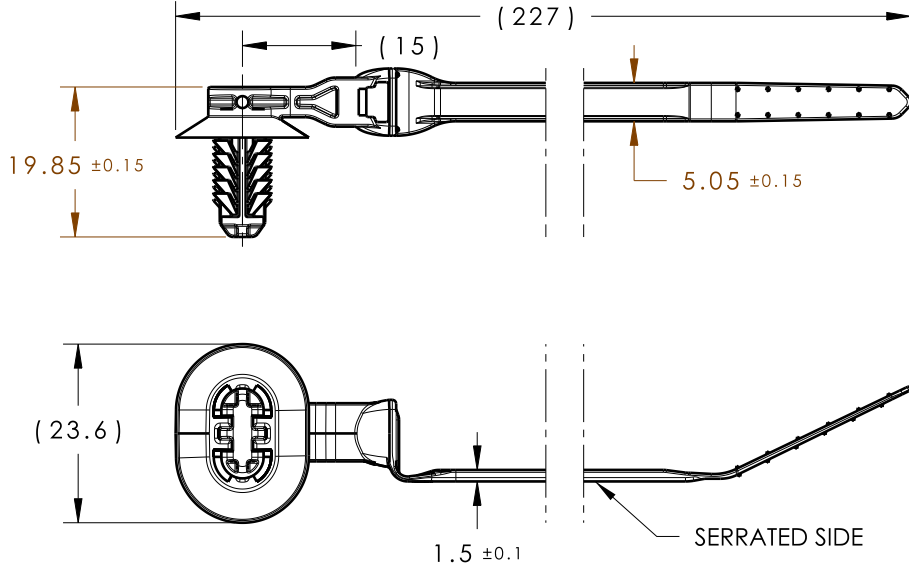


Revision Level			Revision Record	Changed	Date	Approved	Date
Drawing	State	Part					
01.1	Design Release	-	SEE ECN# 015507	EJH	10/28/19	HDC	10/28/19



ISOMETRIC VIEW
SCALE 1:2

PRODUCTION NOTES:

1. MAXIMUM PERCENT REGRIND PERMISSIBLE: 0% UNTIL ADDITION IS VALIDATED
2. MAX ALLOWABLE FLASH TO BE: 0.25mm
3. MAX ALLOWABLE MISMATCH TO BE: 0.10mm

PERFORMANCE REQUIREMENTS:

1. FIR TREE PUSH IN FORCE: 45 NEWTONS (10 LBS) MAX IN EACH APPLICABLE OVAL HOLE SIZE AND A PLATE THICKNESS OF 1.8mm.
2. FIR TREE PULL OUT FORCE: 110 NEWTONS (25 LBS) MIN IN EACH APPLICABLE OVAL HOLE SIZE AND A PLATE THICKNESS OF 1.8mm.
3. SHEET METAL THICKNESS RANGE: 0.60mm - 6.75mm
4. APPLICABLE HOLE SIZE:
 - A. 6.2 X 12.2mm +/-0.2
 - B. 6.5 X 12.5mm +0.2/-0.4
 - C. 6.5 X 13.0mm +/-0.2
 - D. 7.0 X 12.0mm +/-0.2
5. CABLE TIE MIN LOOP TENSILE STRENGTH: 225 NEWTONS (50 LBS)
6. BUNDLE RANGE: 1.8mm TO 50mm

GLOBAL PART DESCRIPTION	MATERIAL	COLOR
T50ROSFTOVAL15R-PA66HIRHSUV-BK	PA66HIRHSUV	BLACK

Material SEE CHART COLOR: SEE CHART	Units	millimeters	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.	Drawn	HDC	01/30/19	Article/Type-No	T50ROSFTOVAL15R	Scale	1:1	
	Tolerance defined on each dimension	Approved		TAT	01/31/19	Title	50LB LOW PROFILE TIE WITH 15MM OFFSET AND OVAL FIR TREE (ROTATED SERIES)		Project Number	18-2357	
		HellermannTyton			Drawing-No	PRODUCTION : Phase		Format	AH		
					North America Email: corp@htamericas.com Web: www.hellermann.tyton.com			18-2357-001-CSU		Sheet	1/1