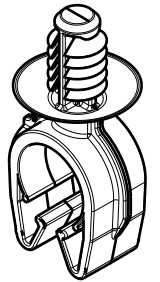
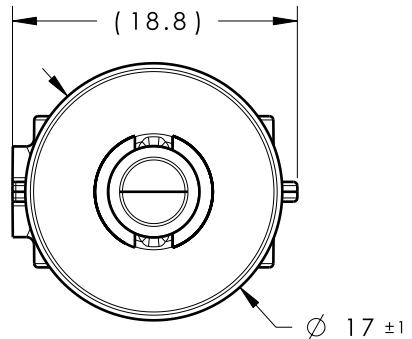


Revision Level			Revision Record	Changed	Date	Approved	Date
Drawing	State	Part					
02.1	Design Release	-	SEE ECN# 014690	TAT	10/10/18	EJH	10/10/18

REFERENCE:

PERFORMANCE REQUIREMENTS AT DRY AS MOLDED:

1. FIR TREE PUSH IN FORCE: 45 NEWTONS (10 LBS) MAX IN THE APPLICABLE NOMINAL HOLE SIZE AND A PLATE THICKNESS OF 1.8mm.
2. FIR TREE PULL OUT FORCE: 110 NEWTONS (25 LBS) MIN IN THE APPLICABLE NOMINAL HOLE SIZE AND A PLATE THICKNESS OF 1.8mm.
3. SHEET METAL THICKNESS RANGE: 0.60mm - 5.5mm
4. APPLICABLE HOLE SIZE:  
A. 6.5mm +0.5/- 0.4
5. FITS USCAR MATING HOLE EWCAP -007 (NOT A TEST SPEC.)



ISOMETRIC VIEW  
SCALE 1:1

NOTES:

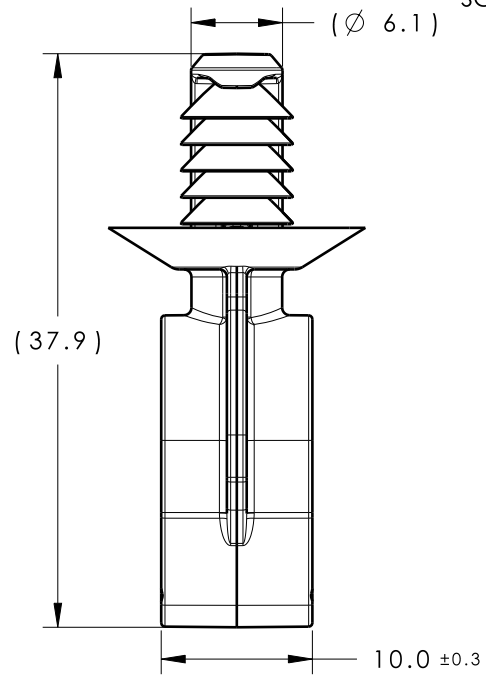
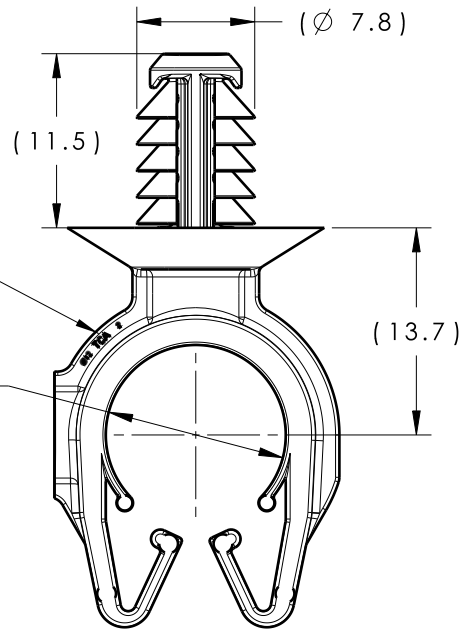
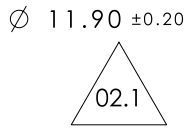
1. MAXIMUM PERCENT REGRIND PERMISSIBLE: 25%
2. MAX ALLOWABLE FLASH TO BE 0.25mm.
3. MAX ALLOWABLE MISMATCH TO BE 0.1mm.



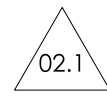
\*PATENT PENDING 29/582,271



CAVITY ID NUMBER, 'TCA' AND PART DIAMETER TO BE LOCATED ON THIS SURFACE



DIAMETER RANGE		
HARNESS	HOSE	HARD PIPE/TUBE
11.5MM-13.0MM	10.5MM-13.0MM	12.0MM-13.8MM



GLOBAL PART DESCRIPTION	MATERIAL	COLOR
MOC12FT6.5-PA66HIRHSUV-BK	PA66HIRHSUV	BLACK

Material SEE CHART COLOR: SEE CHART 	Units    millimeters  Tolerance defined on each dimension	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	CRB	08/03/16	Article/Type-No	MOC12FT6.5	Scale	2:1
			Approved	EJH	09/27/16	Title	12MM (1/2") MOC WITH 6.5MM FIR TREE	Project Number	16-0319
			 North America Email: corp@htamericas.com Web: www.hellermann.tyton.com			Drawing-No	PRODUCTION : Phase	Format	AH
						<b>16-0319-009-CSU</b>		Sheet	1/1