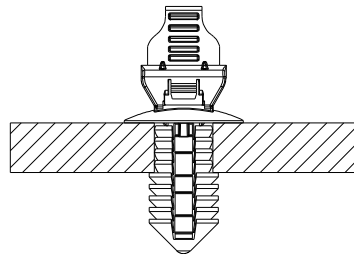
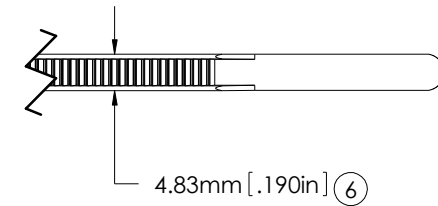
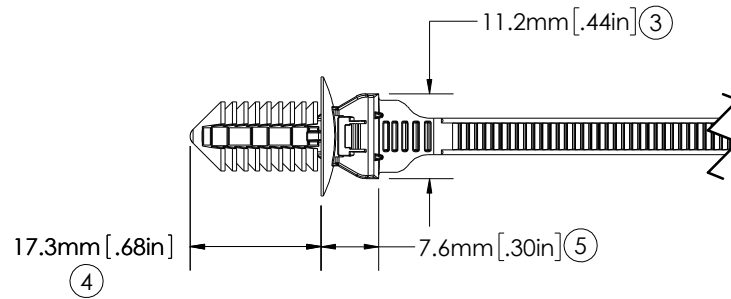
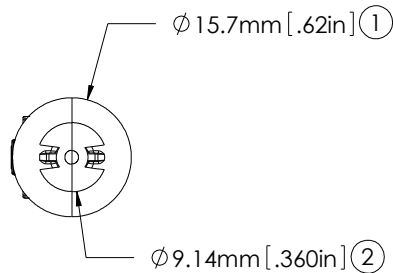


AVERY DENNISON MARKETING SPECIFICATION

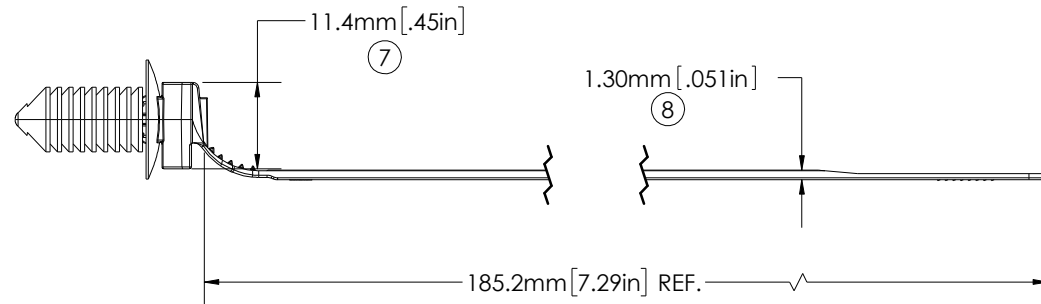
HISTORY

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REV.	DATE	DESCRIPTION
A	6/20/07	RELEASE TO PRODUCTION
B	08.10.18	RELEASE UPDATES TO NEW FORMAT; ADDED -0 TO PART NUMBER; ADDED SPECIAL CHARACTERISTIC NOTE



ASSEMBLED VIEW



NOTES:
1. Δ = INDICATES SPECIAL CHARACTERISTIC

9	Δ	FLAMMABILITY:	HB RATED PER FMVSS302
10	Δ	TENSILE STRENGTH:	222N / 50 LBF MIN.
		MOUNTING:	$\phi 8.00\text{mm} \pm 0.25\text{mm}$ HOLE IN 0.7mm TO 7.0mm THICK PANEL AND M10 THREADED HOLE.
		TEMPERATURE RANGE:	-40°F (-40°C) TO 239°F (115°C) CONTINUOUS AND 257°F (125°C) AT MAXIMUM EXPOSURE
		WEIGHT:	1.9g
		BUNDLE DIAMETER:	$\phi 1.6\text{mm}$ [1/16in] TO $\phi 44.5\text{mm}$ [1-3/4in]
		INSTALLATION TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
		TOOL TENSION SETTING:	6 - 8
		PACKAGING:	500/BAG, 5,000/CASE

APPROVALS:	ENG. APPR. <i>Daniel Gilbertson</i>	08.10.18
	Q.A. APPR. <i>Rick Estano</i>	08.10.18
SPECIFIED TOLERANCES		
	INCHES [mm]	
	.XX \pm .03 .X \pm .7	
	.XXX \pm .010 .XX \pm .25	
	ANGULAR: $\pm 2^\circ$	
MATERIAL	NYLON 6/6 IMPACT MODIFIED, HEAT STABILIZED	
COLOR	BLACK	

 AVERY DENNISON	FASTENER DIVISION FITCHBURG, MA 01420 U.S.A. TEL. 1-800-225-5913 FAX. 978-353-8157	
	DESCRIPTION	
LONG 8mm FIR TREE TIE		
PART NO.	20117-0	REV.
		B