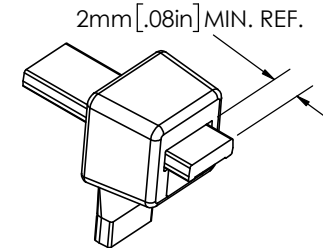
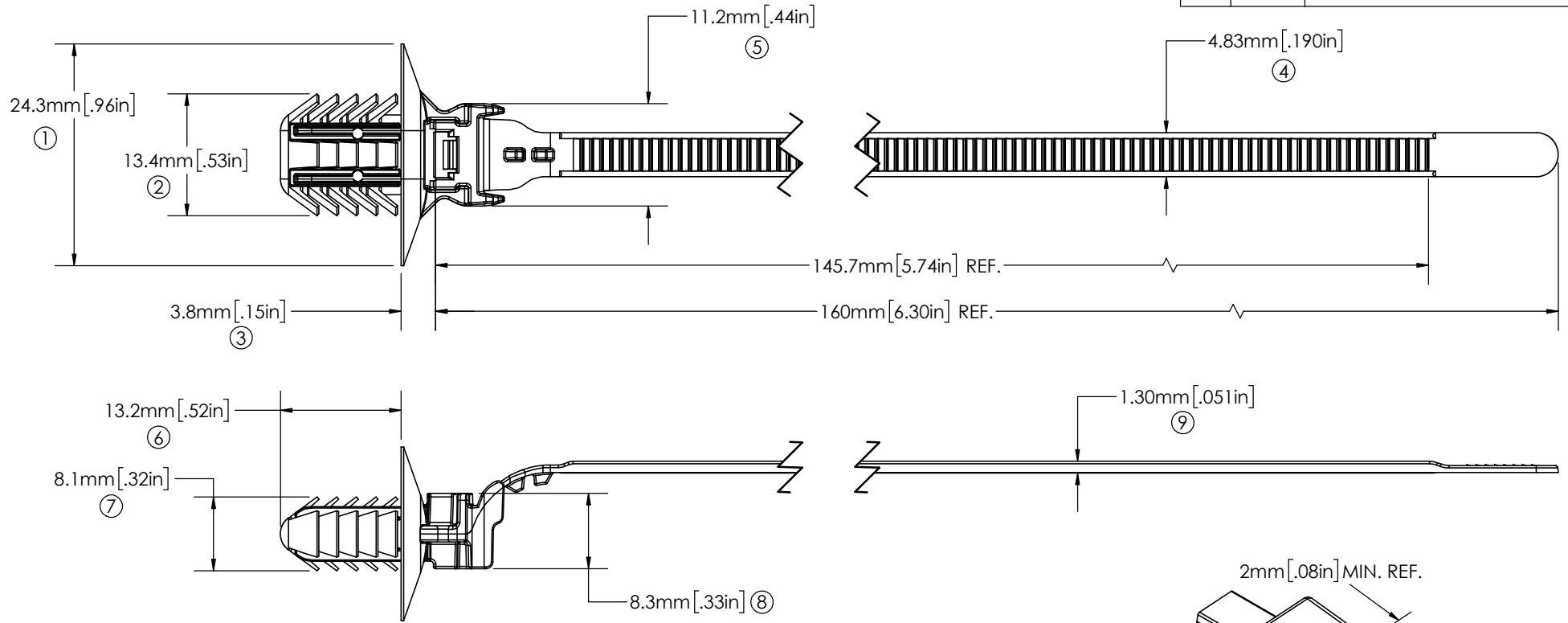


# AVERY DENNISON MARKETING SPECIFICATION

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## HISTORY

REV.	DATE	DESCRIPTION
A	07.31.19	RELEASED
B	09.10.19	CORRECTED MAX BUNDLE TO BE 38.1mm



RECOMMENDED CUT LENGTH

### NOTES:

1.  $\Delta$  = INDICATES SPECIAL CHARACTERISTIC

10	$\Delta$	FLAMMABILITY:	HB RATED PER FMVSS302
11	$\Delta$	TENSILE STRENGTH:	50 lbf / 222N MIN.
		MOUNTING:	OVAL SIZES: 6.2mm X 12.2mm; 6.5mm X 12.5mm 6.5mm X 13.0mm; 7.0mm X 12.0mm THICKNESS: 0.6mm TO 7.0mm
		INSERTION:	10lbf / 44.5N MAX
		EXTRACTION:	25lbf MIN. per USCAR-44 NOM. FORCES: >40lbf / 177.9N
		OPERATING TEMP RANGE:	-40 °F (-40 °C) TO 239 °F (115 °C) CONTINUOUS AND 257 °F (125 °C) AT MAXIMUM EXPOSURE
		WEIGHT:	2.1g
		BUNDLE DIAMETER:	$\phi$ 1.6mm TO $\phi$ 38.1mm
		TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
		TOOL TENSION SETTING:	6 - 8
		PACKAGING:	1000/BAG, 5 BAGS/MASTER

### APPROVALS:

ENG. APPR.	<i>Daniel Gilbertson</i>	09.10.19
Q.A. APPR.	<i>Caitlin Vaillancourt</i>	09.10.19

### SPECIFIED TOLERANCES ARE:

.XX $\pm$ .03 INCHES	.X $\pm$ .7 mm
.XXX $\pm$ .010 INCHES	.XX $\pm$ .25 mm
ANGULAR: $\pm$ 2°	

MATERIAL **NYLON 6/6,**  
**IMPACT MODIFIED, HEAT STAB.**

COLOR  
**BLACK**



FASTENER DIVISION  
FITCHBURG, MA 01420 U.S.A.  
TEL. 1-800-225-5913  
FAX. 978-353-8157

DESCRIPTION  
**OVAL FIR TREE TIE**

STOCK NO.  
**20185-0**

REV.  
**B**