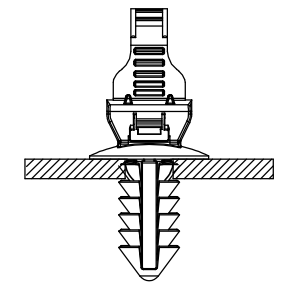
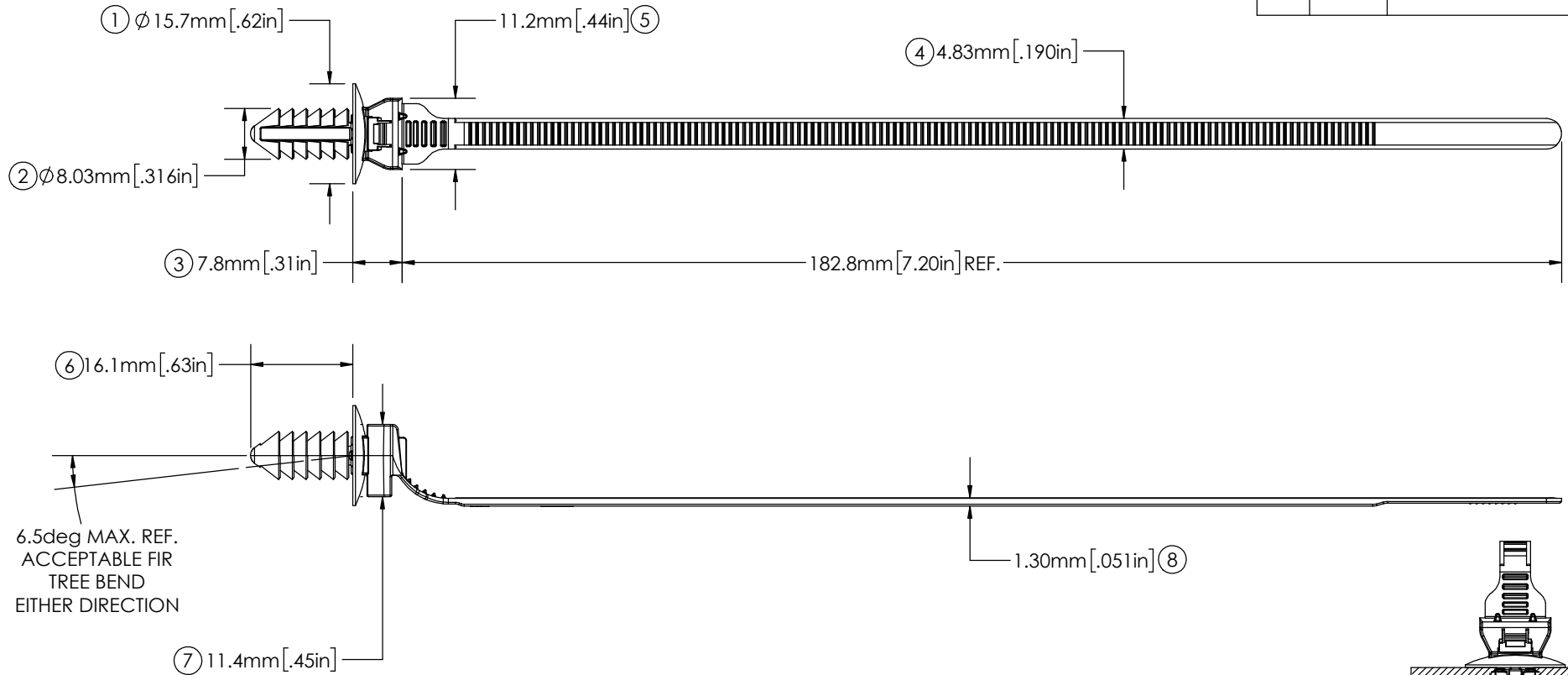


# AVERY DENNISON MARKETING SPECIFICATION

## HISTORY

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REV.	DATE	DESCRIPTION
D	10/16/08	UPDATE OPERATING TEMP.
E	08.03.18	UPDATES TO NEW FORMAT; ADDED -0 TO PART NUMBER; ADDED SPECIAL CHARACTERISTIC NOTE



**ASSEMBLED VIEW**

NOTES:  
1.  $\Delta$  = INDICATES SPECIAL CHARACTERISTIC

APPROVALS:	ENG. APPR. <i>Daniel Gilbertson</i>	08.03.18
	Q.A. APPR. <i>Rick Estano</i>	08.03.18

**AVERY DENNISON**  
FASTENER DIVISION  
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9 $\Delta$ FLAMMABILITY RATING:	HB RATED PER FMVSS302
10 $\Delta$ TENSILE STRENGTH:	222N / 50 LBF MIN.
MOUNTING:	$\phi$ 6.60mm $\pm$ 0.25mm HOLE AND 6.35mm HEX HOLE. PANEL THICKNESS OF 0.7mm TO 7.0mm
OPERATING TEMP RANGE:	-40°F (-40°C) TO 257°F (125°C)
WEIGHT:	1.8g
BUNDLE DIAMETER:	$\phi$ 1.6mm [.06in] TO $\phi$ 4.5mm [1.75in]
INSTALLATION TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
TOOL TENSION SETTING:	6 - 8
PACKAGING:	500/BAG, 10 BAGS/MASTER

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

MATERIAL	<b>NYLON 6/6, IMPACT MODIFIED, HEAT STAB.</b>
COLOR	<b>BLACK</b>

DESCRIPTION	<b>LOW INSERTION FIR TREE TIE</b>	
PART NO.	<b>20098-0</b>	REV. <b>E</b>