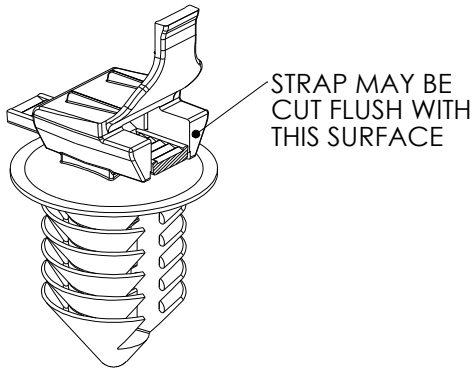
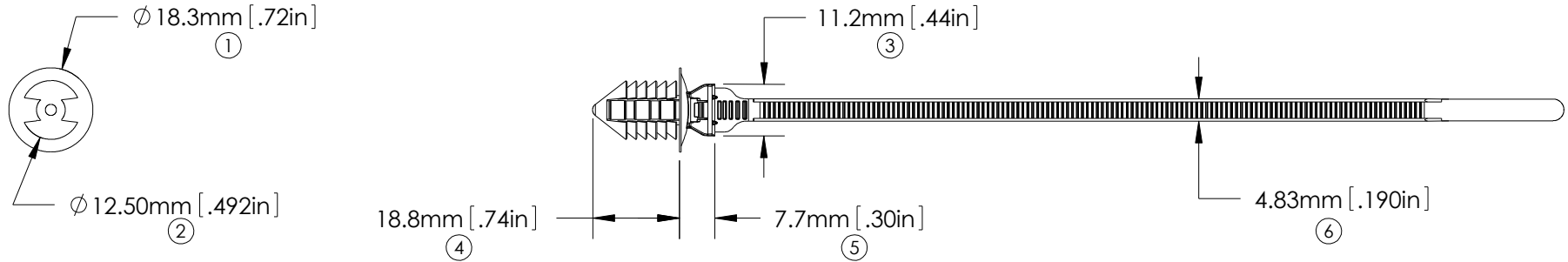


# AVERY DENNISON MARKETING SPECIFICATION

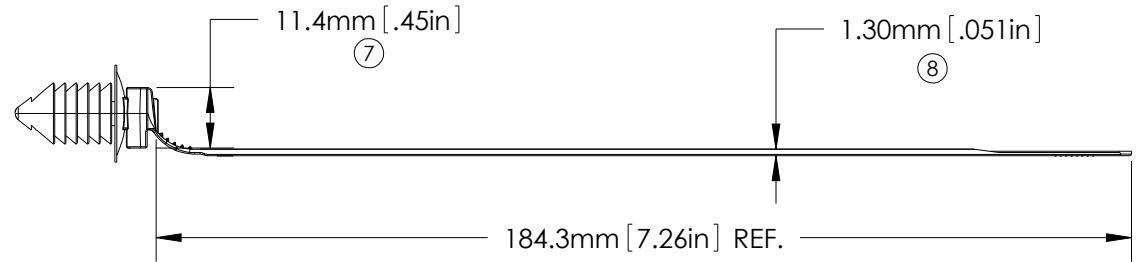
## HISTORY

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REV.	DATE	DESCRIPTION
A	6/01/10	RELEASE TO PRODUCTION
B	08.15.18	UPDATES TO NEW FORMAT; ADDED -0 TO PART NUMBER; ADDED SPECIAL CHARACTERISTIC NOTE; BALLOON 2 CHG TO 12.50



**ASSEMBLED VIEW**



9	△ FLAMMABILITY RATING:	HB RATED PER FMVSS302
10	△ TENSILE STRENGTH:	222N / 50LBF MIN.
	MOUNTING:	Ø 11.50mm ± 0.25mm HOLE IN PANEL THICKNESS OF 0.7mm TO 8.5mm
	TEMPERATURE RANGE:	-40°F (-40°C) TO 229°F (115°C) CONTINUOUS AND 257°F (125°C) AT MAXIMUM EXPOSURE
	WEIGHT:	2.2g
	BUNDLE DIAMETER:	Ø 1.6mm [Ø .06in] TO Ø 44.5mm [Ø 1.75in]
	INSTALLATION TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
	TOOL TENSION SETTING:	6 - 8
	PACKAGING:	500/BAG, 5,000/CASE

NOTES:  
1. △ = INDICATES SPECIAL CHARACTERISTIC

APPROVALS:	ENG. APPR.	<i>Daniel Gilbertson</i>	08.15.18
	Q.A. APPR.	<i>Rick Estano</i>	08.15.18



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

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

DESCRIPTION	<b>11.5mm LOW INSERTION FIR TREE TIE</b>	
PART NO.	<b>20110-0</b>	REV. <b>B</b>