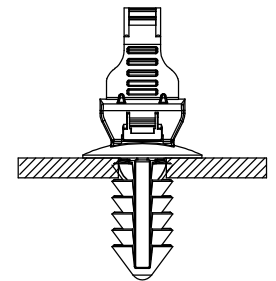
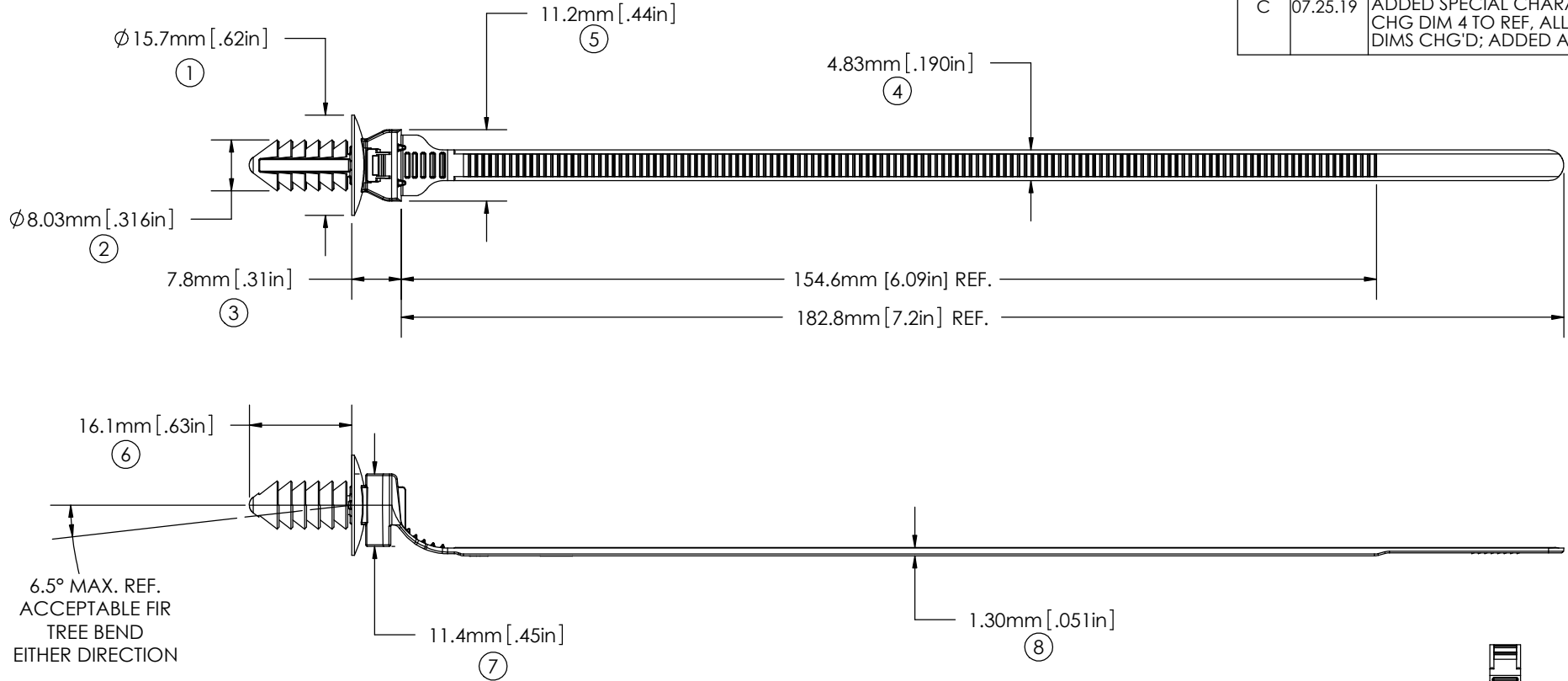


# AVERY DENNISON MARKETING SPECIFICATION

## HISTORY

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REV.	DATE	DESCRIPTION
A	05.01.14	RELEASED
B	09.06.14	CHANGED COLOR FROM NATURAL TO BLACK; NO PPAP WERE ISSUED IN NATURAL
C	07.25.19	ADDED SPECIAL CHARACT.; CHG DIM 4 TO REF, ALL OTHER DIMS CHG'D; ADDED ASSY VIEW



**ASSEMBLED VIEW**

9	△ FLAMMABILITY RATING:	HB RATED PER FMVSS302
10	△ TENSILE STRENGTH:	50 LBF / 22.7 KGF MIN.
	MOUNTING:	HOLE: Ø 6.60mm ± 0.25mm; HEX: 6.35mm PANEL THK: 0.7mm TO 7.0mm.
	OPERATING TEMP RANGE:	-40°F (-40°C) TO 239°F (115°C) CONTINUOUS
	WEIGHT:	1.9g
	BUNDLE DIAMETER:	Ø 1.6mm TO Ø 44.5mm
	INSTALLATION TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
	TOOL TENSION SETTING:	6 - 8
	PACKAGING:	1000/BAG, 5 BAGS/MASTER

NOTES:  
1. △ = INDICATES SPECIAL CHARACTERISTIC

APPROVALS:	ENG. APPR.	DATE
	<i>Daniel Gilbertson</i>	07.25.19
	<i>Caitlin Vaillancourt</i>	07.25.19

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

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



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

DESCRIPTION	<b>LOW INSERTION FIR TREE, 7.5" TIE, HEAT STABILIZED</b>	
STOCK NO.	<b>20169-0</b>	REV.
		<b>C</b>