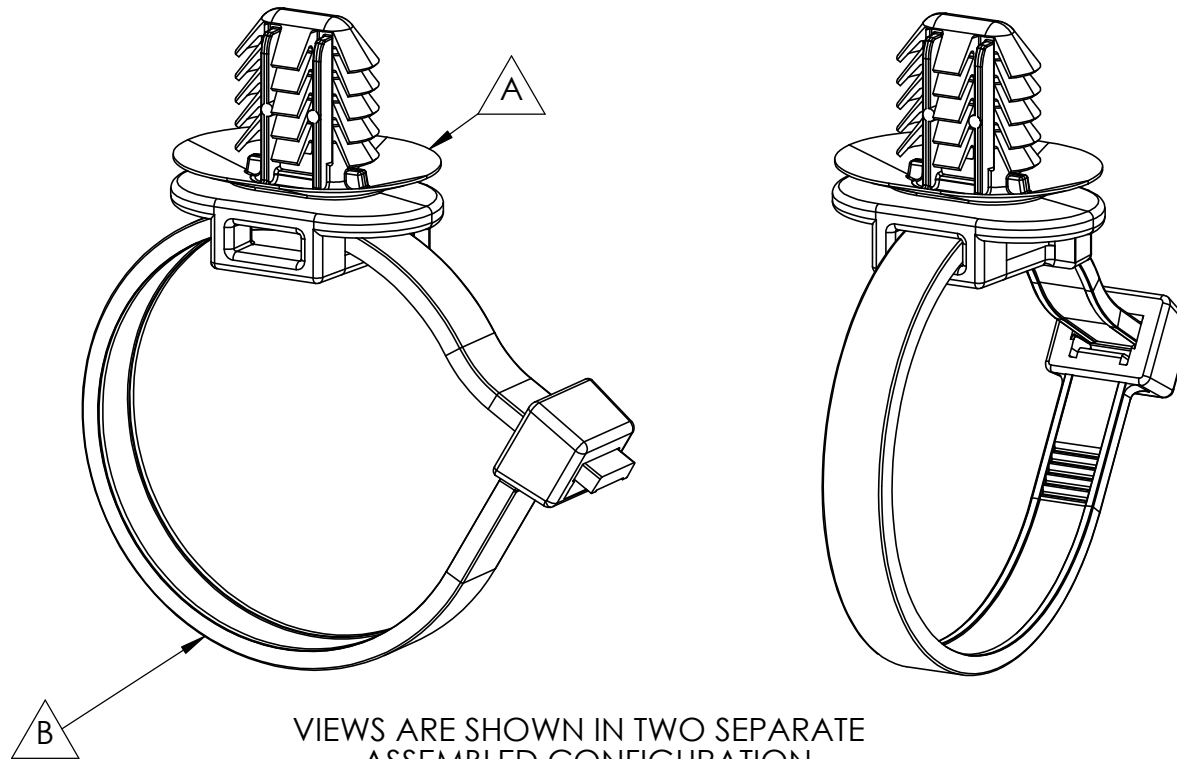


AVERY DENNISON MARKETING SPECIFICATION

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HISTORY

REV.	DATE	DESCRIPTION
A	06.09.22	RELEASED



VIEWS ARE SHOWN IN TWO SEPARATE
ASSEMBLED CONFIGURATION

NOTES:

1. SEE SPECIFIC OVAL FIR TREE CLIP AND CABLE TIE MARKETING SPECS FOR ADDITIONAL PART PERFORMANCE SPECIFICATIONS
2. OVAL FIR TREE CLIP MEETS ALL USCAR-44 SPECIFICATIONS
3. PARTS ARE NOT SOLD SEPARATELY AND ARE BOXED AS A KIT.
4. PARTS BOXED UNASSEMBLED.

ITEM#	SKU #	DESCRIPTION	MATERIAL	COLOR
A	20310-0	OVAL FIR TREE CLIP, HD CT, HS	PA66 HS	BLACK
B	08403-0	14.5" CABLE TIE, HD	PA66 HS	BLACK

APPROVALS:

ENG. APPR.	<i>D. Gilbertson</i>	06.09.22
Q.A. APPR.	<i>R. Estano</i>	06.09.22

SPECIFIED TOLERANCES ARE:

.XX ± .03 INCHES .X ± .7 mm
.XXX ± .010 INCHES .XX ± .25 mm
ANGULAR: ± 2°

MATERIAL

SEE TABLE

COLOR

SEE TABLE



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

DESCRIPTION OVAL FIR TREE CLIP,
2 PIECE, HEAVY DUTY CT, HS

STOCK NO.

20298-0

REV.

A

CLIP & CT ASSY WEIGHT:

6.5g

PACKAGING: PACKED SEPARATELY IN ONE BOX

1000 CLIPS/BAG, 1/BOX

100 CT/BAG, 10/BOX

5

4

3

2

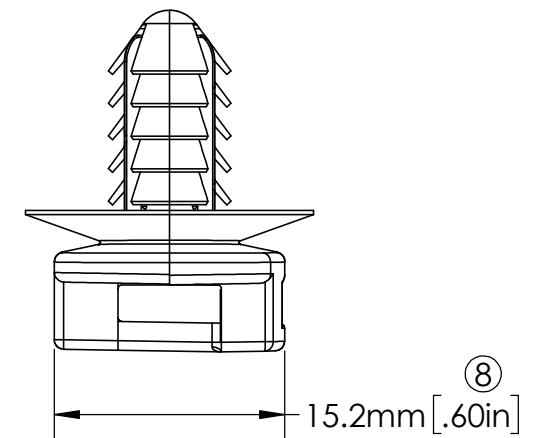
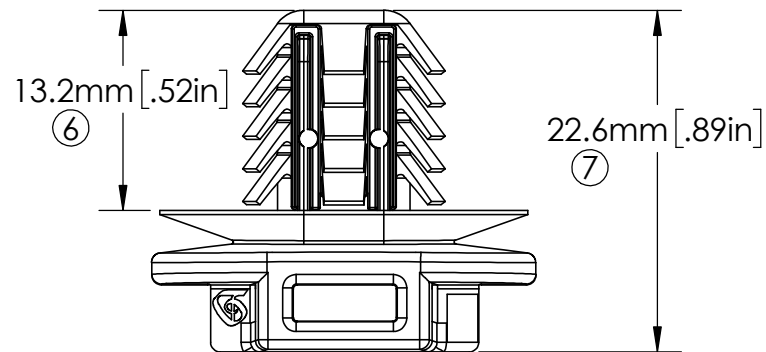
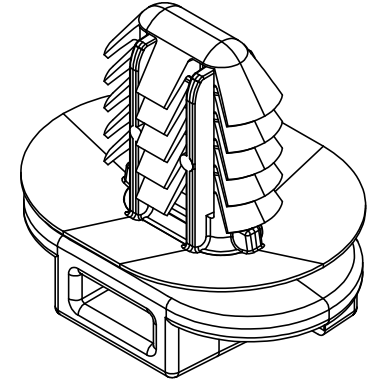
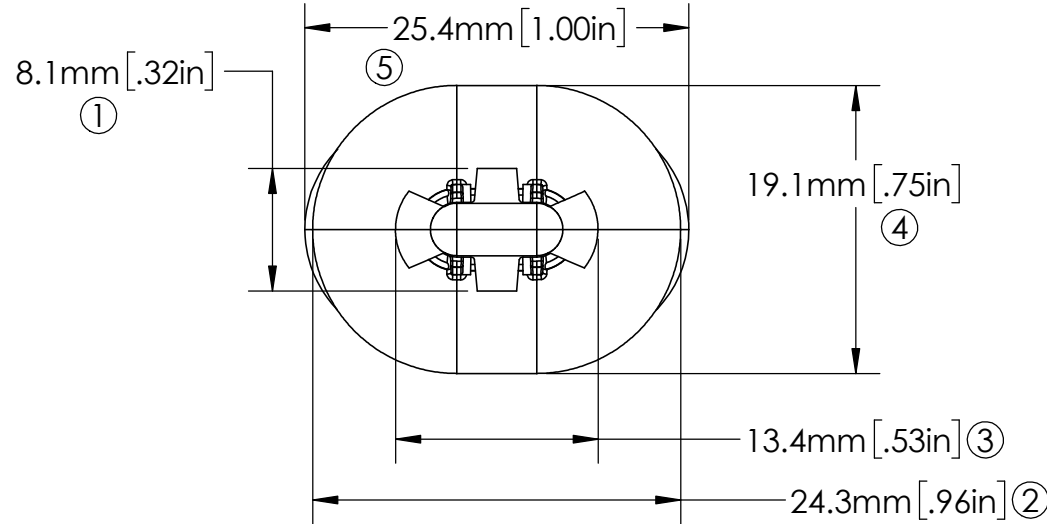
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AVERY DENNISON MARKETING SPECIFICATION

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HISTORY

REV	DATE	DESCRIPTION
A	06.09.22	RELEASED



NOTES:

- SPECIAL CHARACTERISTICS ARE DENOTED BY A Δ
- OVAL FIR TREE CLIP MEETS ALL USCAR-44 SPECIFICATIONS

9 Δ	FLAMMABILITY:	HB RATING PER FMVSS302
	MOUNTING:	6.2mm X 12.2mm ; 6.5mm X 12.5mm ; 6.5mm X 13.0mm ; 7.0mm X 12.0mm THICKNESS OF 0.6mm TO 7.0mm
	INSERTION:	10lbf / 44.5N MAX
	EXTRACTION:	NOM. FORCES: >40lbf / 178N MIN
	OPERATING TEMP RANGE:	-40°F (-40°C) TO 257°F (125°C) CONTINUOUS AND 257°F (135°C) AT MAXIMUM EXPOSURE
	OVAL FIR TREE CLIP WGT:	2.1g
	PACKAGING:	1000 CLIPS/BAG, 1/BOX

APPROVALS:

ENG. APPR.	<i>D. Gilbertson</i>	06.09.22
Q.A. APPR.	<i>R. Estano</i>	06.09.22

SPECIFIED TOLERANCES ARE:

.XX ± .03 INCHES	.X ± .7 mm
.XXX ± .010 INCHES	.XX ± .25 mm
ANGULAR: ± 2°	

MATERIAL

PA66, HS

COLOR

BLACK



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

DESCRIPTION

OVAL FIR TREE CLIP, HD, HS

STOCK NO.

20310-0

REV.

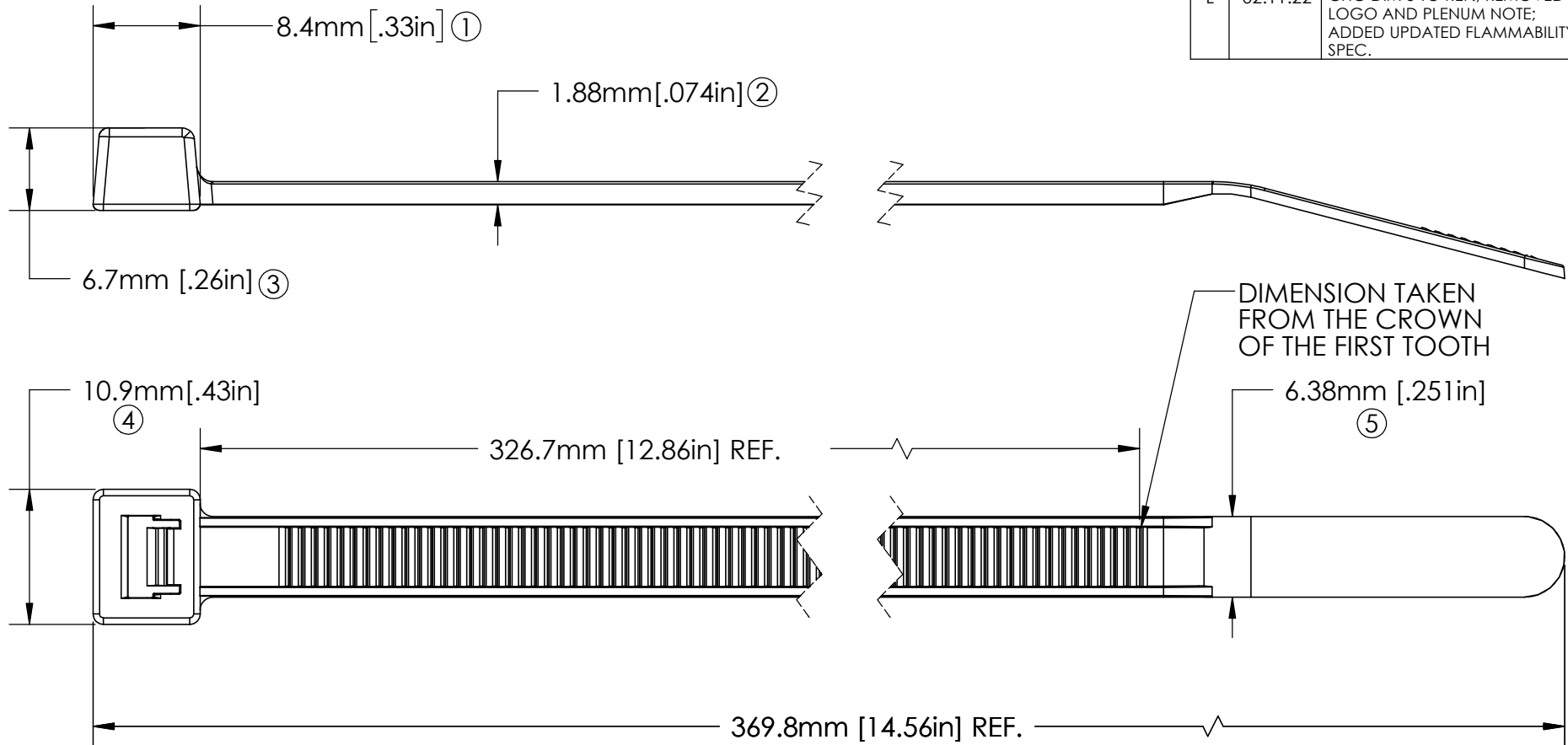
A

AVERY DENNISON MARKETING SPECIFICATION

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HISTORY

REV	DATE	DESCRIPTION
K	12.16.14	CHG DIM 5 AND ADDED NOTE TO DIM 5; ADDED UL LOGO AND FLAME RATING NOTE
L	02.11.22	CHG DIM 5 TO REF.; REMOVED UL LOGO AND PLENUM NOTE; ADDED UPDATED FLAMMABILITY SPEC.



NOTES:

- SPECIAL CHARACTERISTICS ARE DENOTED BY A Δ

6	Δ	FLAMMABILITY:	HB RATED PER FMVSS302
7	Δ	TENSILE STRENGTH:	120lbf/ 534N MIN. PER AS-23190
		OPERATING TEMP RANGE:	-40°F (-40°C) TO 221°F (105°C)
		MIN. INSTALLATION TEMP:	32°F (0°C)
		WEIGHT:	.155 OZ./4.58g
		BUNDLE DIAMETER:	ϕ 4.7mm[.19in] TO ϕ 101.6mm[4.00in]
		TOOL:	12001 - HAND TOOL 12500 - PNEUMATIC TOOL
		TOOL TENSION SETTING:	6 - 8 HEAVY DUTY TOOL
		PACKAGING:	100/BAG, 1000/BOX

APPROVALS:

ENG. APPR.	<i>D. Gilbertson</i>	02.11.22
Q.A. APPR.	<i>R. Estano</i>	02.11.22

SPECIFIED TOLERANCES ARE:

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

MATERIAL

NYLON66, HEAT STABILIZED

COLOR

BLACK



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

DESCRIPTION

14.5" CABLE TIE, HEAVY DUTY

STOCK NO.

08403-0

REV.

L