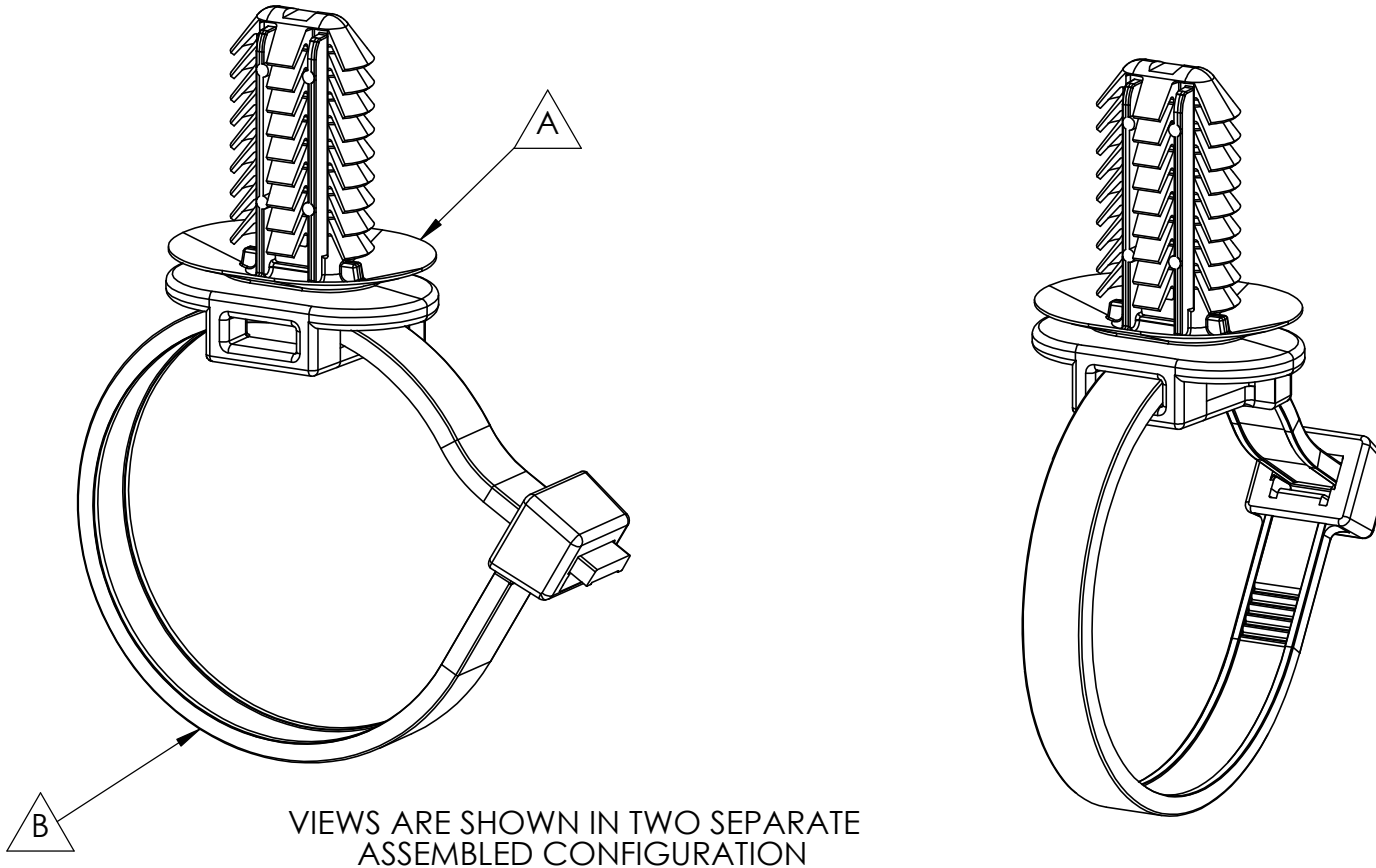


AVERY DENNISON MARKETING SPECIFICATION

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HISTORY

REV.	DATE	DESCRIPTION
A	04.17.22	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	20316-0	OVAL FIR TREE CLIP, 24mm, IMHS	PA66 IMHS	BLACK
B	12100-0	14.5" CABLE TIE, HD	PA66 IMHS	BLACK

APPROVALS:

ENG. APPR.	<i>D. Gilbertson</i>	04.17.22
Q.A. APPR.	<i>R. Estano</i>	04.17.22

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, 24mm, HD, IMHS

STOCK NO.

20317-0

REV.

A

CLIP & CT ASSY WEIGHT: 6.9g

PACKAGING: PACKED SEPARATELY IN ONE BOX
1000 CLIPS/BAG, 1/BOX
100 CT/BAG, 10/BOX

5

4

3

2

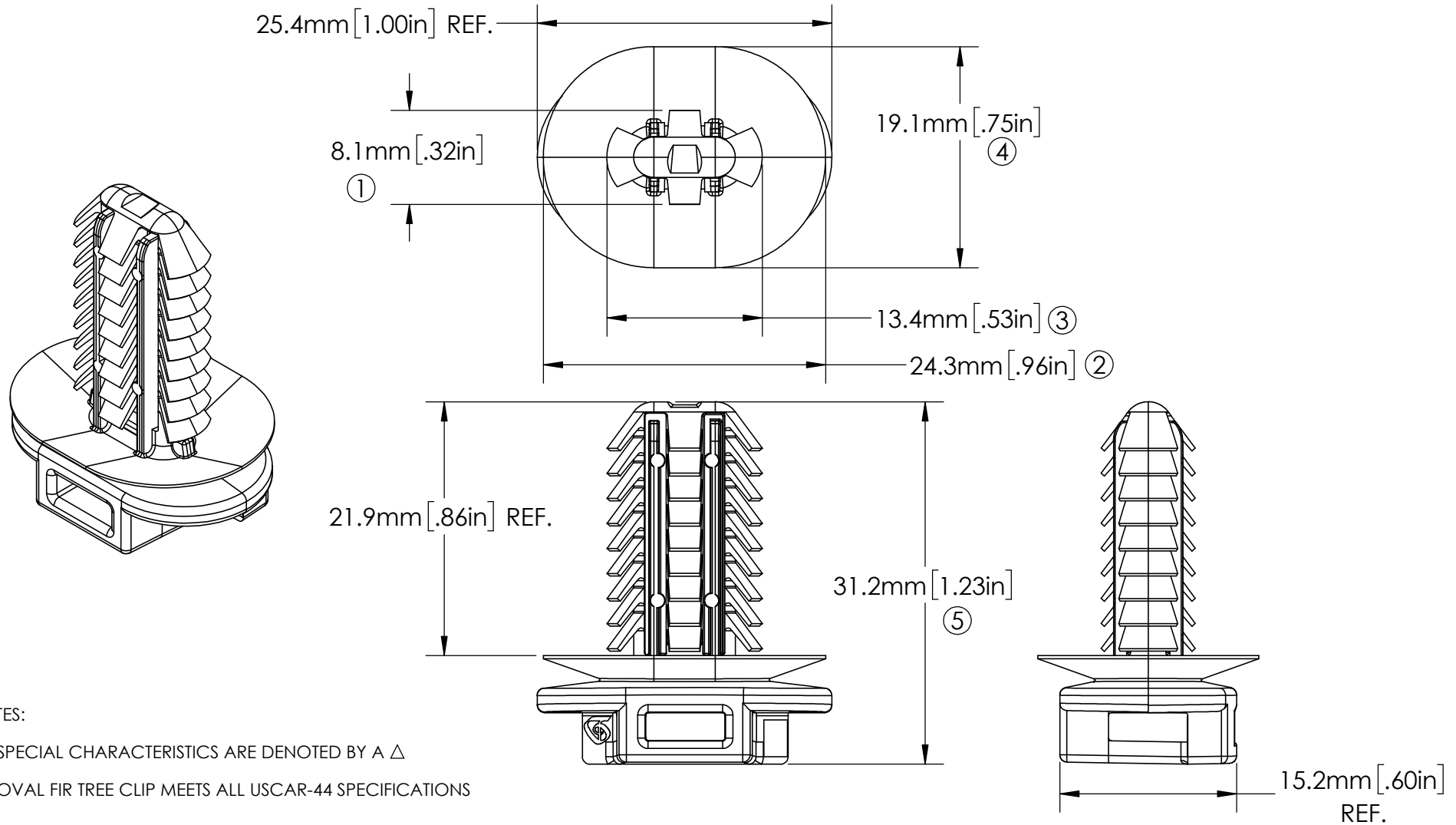
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HISTORY

REV	DATE	DESCRIPTION
A	04.17.22	RELEASED



NOTES:

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

	FLAMMABILITY:	HB RATING PER FMVSS302	<u>APPROVALS:</u>	ENG. APPR.	<i>D. Gilbertson</i>	04.17.22		AVERY DENNISON	FASTENER DIVISION FITCHBURG, MA 01420 U.S.A. TEL. 1-800-225-5913 FAX. 978-353-8157	
	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 16.0mm		Q.A. APPR.	<i>R. Estano</i>	04.17.22				
	INSERTION:	10lbf / 44.5N MAX	<u>SPECIFIED TOLERANCES ARE:</u> .XX ± .03 INCHES .X ± .7 mm .XXX ± .010 INCHES .XX ± .25 mm ANGULAR: ± 2°	MATERIAL		DESCRIPTION				
	EXTRACTION:	NOM. FORCES: >40lbf / 178N MIN		PA66, IMHS		OVAL FIR TREE CLIP, 24mm, IMHS				
	OPERATING TEMP RANGE:	-40°F (-40°C) TO 257°F (125°C) CONTINUOUS AND 257°F (135°C) AT MAXIMUM EXPOSURE		COLOR		STOCK NO.				
	OVAL FIR TREE CLIP WGT:	2.5g		BLACK		20316-0				
	PACKAGING:	1000 CLIPS/BAG, 5/BOX							REV.	A

5

4

3

2

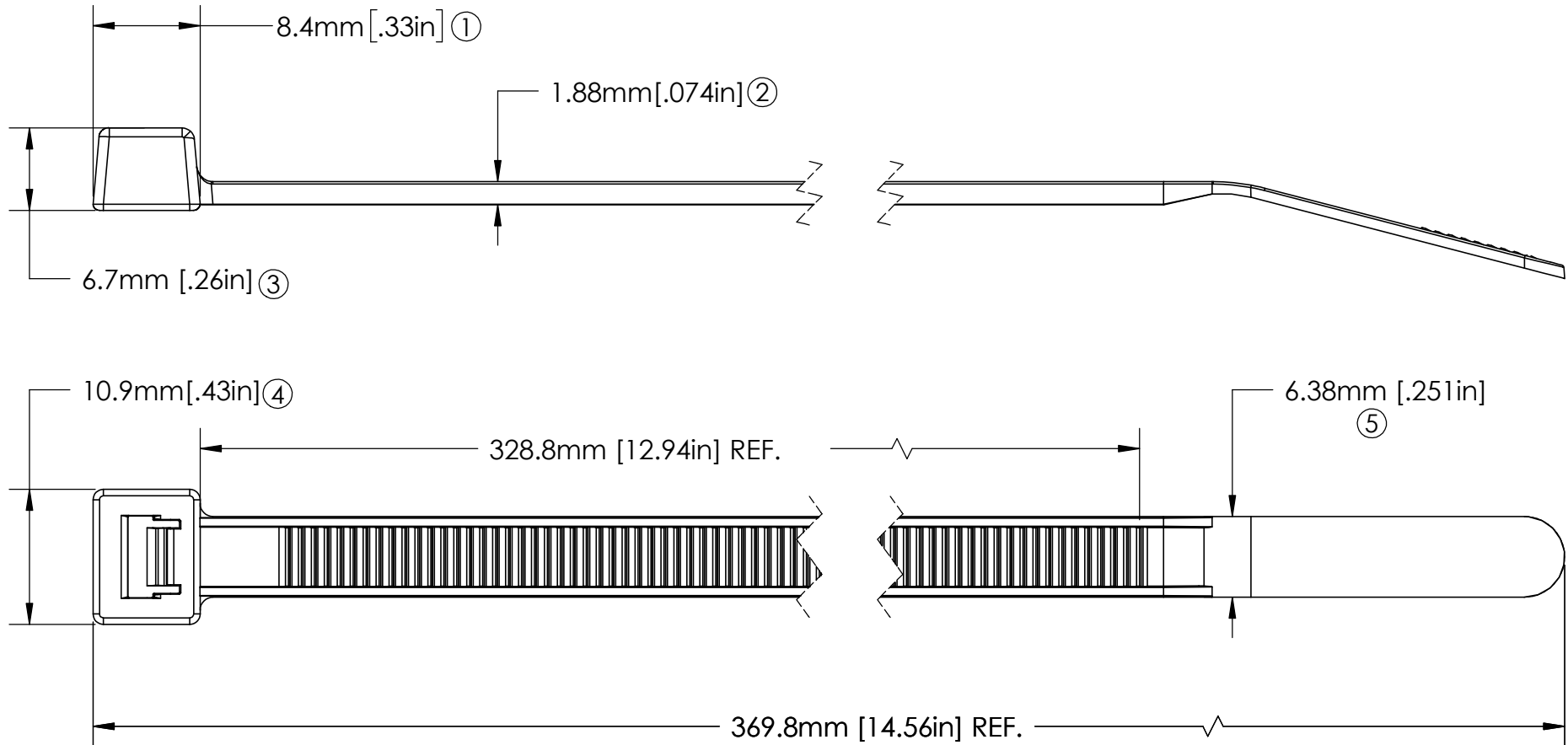
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HISTORY

REV	DATE	DESCRIPTION
A	05.17.21	RELEASED



NOTES:

- SPECIAL CHARACTERISTICS ARE DENOTED BY A Δ

6	Δ	FLAMMABILITY:	HB RATED PER FMVSS302
7	Δ	TENSILE STRENGTH:	445N/ 100lbf MIN.
		OPERATING TEMP RANGE:	-40 °F (-40 °C) TO 257 °F (125 °C) CONTINUOUS AND 275 °F (135 °C) AT MAXIMUM EXPOSURE
		WEIGHT:	4.4g
		BUNDLE DIAMETER:	ϕ 4.7mm TO ϕ 101.6mm
		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>	05.17.21
Q.A. APPR.	<i>R. Estano</i>	05.17.21

SPECIFIED TOLERANCES ARE:

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

MATERIAL

NYLON66, IMHS

COLOR

BLACK



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

DESCRIPTION

14.5" CABLE TIE, HD, IMHS

STOCK NO.

12100-0

REV.

A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Avery Dennison:](#)

[20317-0](#)