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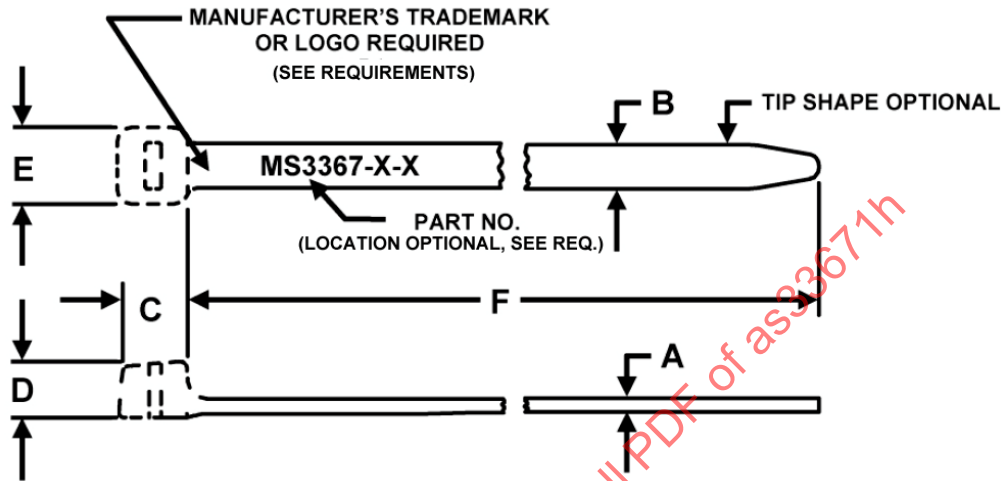
AS33671™

RATIONALE

ADDED -17 MATERIAL CLASSIFICATION AND CLARIFIED -0 MATERIAL CLASSIFICATION.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS23190.



ALTERNATE HEAD DESIGN 1

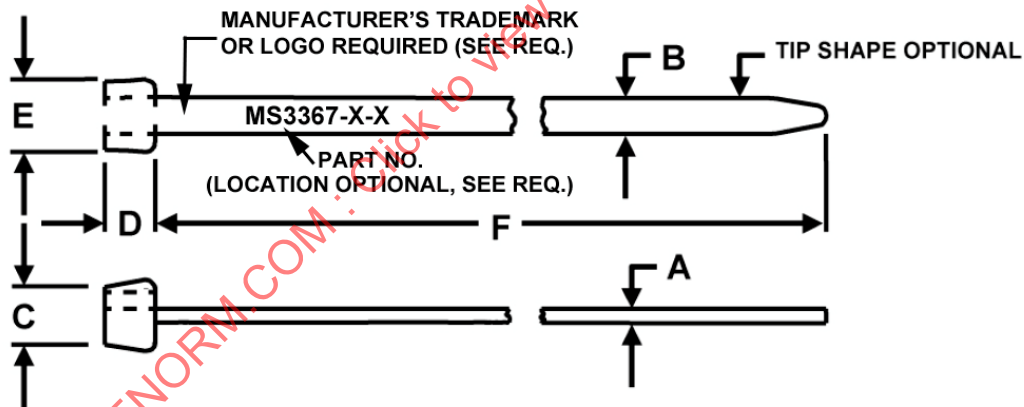
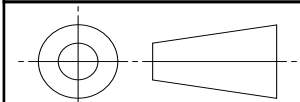


FIGURE 1 - STRAP CONFIGURATIONS/DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS33671H/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS23190



AEROSPACE STANDARD

STRAP, TIEDOWN, ELECTRICAL COMPONENTS,
 ADJUSTABLE, SELF-CLINCHING,
 PLASTIC, TYPE I, CLASS 1

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ALTERNATE HEAD DESIGN 2 (In Line Low Profile Parallel Entry)

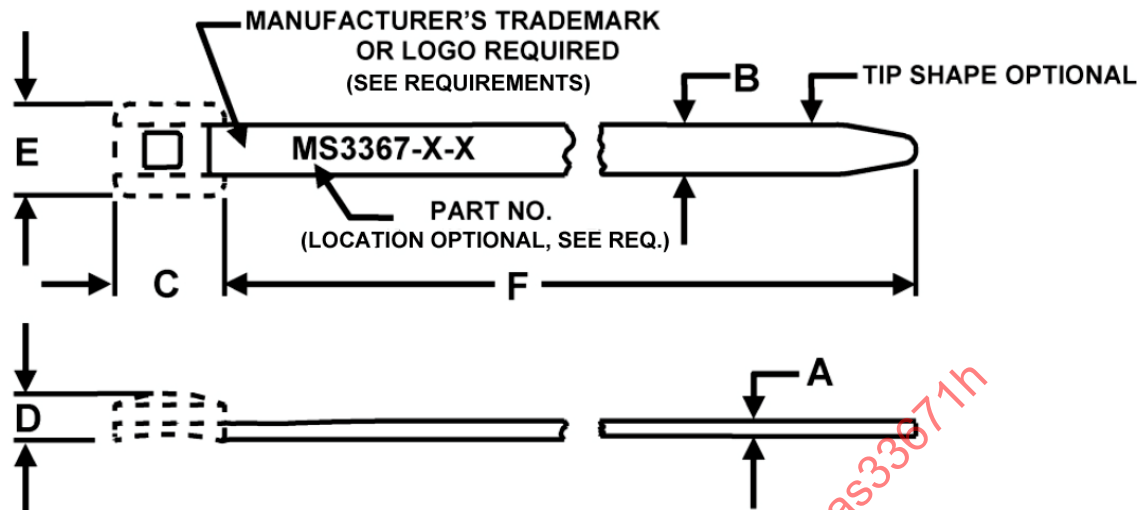


FIGURE 2 - STRAP CONFIGURATIONS/DIMENSIONS

ALTERNATE HEAD DESIGN 3 (In Line Strap)

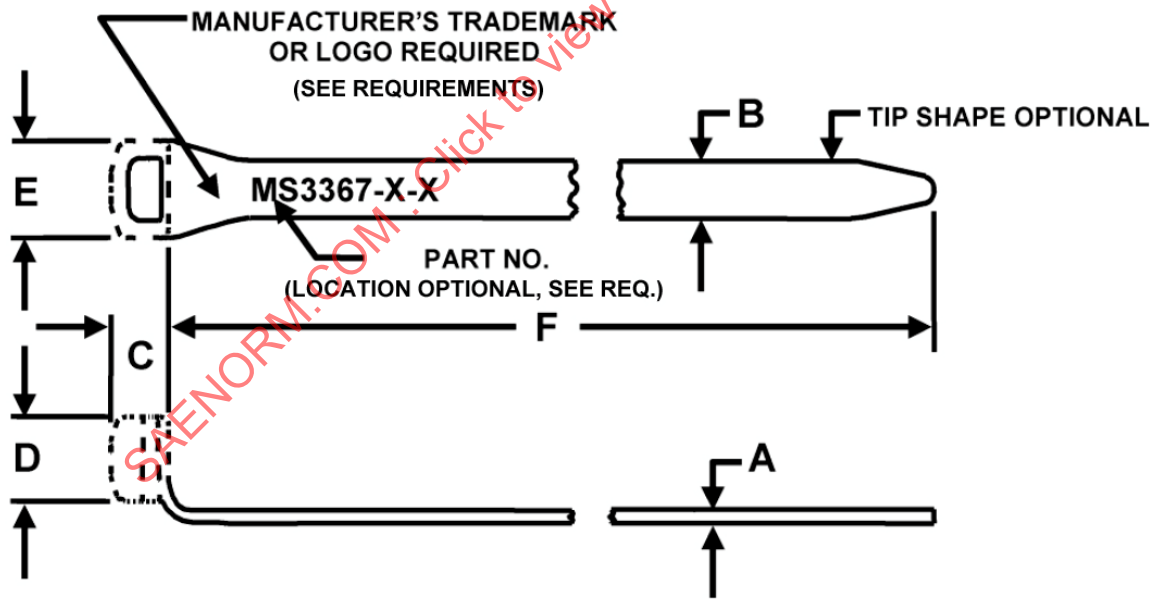


FIGURE 3 - STRAP CONFIGURATIONS/DIMENSIONS

TABLE 1 - FIGURE 1 CONFIGURATION/DIMENSIONS

MS3367 SIZE DASH NUMBER	FIGURE NUMBER	BUNDLE DIAMETER (INCHES)		A MAX	B MAX	C MAX	D MAX	E MAX	F MIN
		MIN	MAX						
1	1	3/16	1-3/4	.055	.200	.350	.270	.350	6.30
2	1	3/16	4	.055	.200	.350	.270	.365	13.35
3	1	1/4	3-1/2	.083	.310	.400	.400	.535	12.00
4	1	3/16	5/8	.050	.110	.200	.200	.195	2.72
5	1	3/16	1-1/4	.055	.146	.240	.200	.260	4.68
6	1	3/16	8	.083	.310	.375	.330	.550	26.25
7	1	3/16	3	.055	.200	.350	.270	.365	10.20
8	1	1-1/2	5	.095	.360	.435	.360	.590	17.00
9	1	1-1/2	6	.095	.360	.435	.360	.590	20.00
10	1	1-1/2	7-3/16	.095	.360	.435	.360	.590	24.00
11	1	4	8	.095	.360	.435	.360	.590	28.00
12	1	4	9-3/4	.095	.360	.435	.360	.590	32.00
13	1	6	11	.095	.360	.435	.360	.590	36.00
14	1	6	12-1/4	.095	.360	.435	.360	.590	39.00
15	1	6	13	.095	.360	.435	.360	.590	44.00
16	1	6	14-1/2	.095	.360	.435	.360	.590	48.00
17	1	6	16-1/4	.095	.360	.435	.360	.590	51.00
18	1	6	18-1/4	.095	.360	.435	.360	.590	57.00
19	1	1-1/2	4	.095	.510	.950	.420	.860	14.00
20	1	1-1/2	5	.095	.510	.950	.420	.860	19.00
21	1	1-1/2	6	.095	.510	.950	.420	.860	21.00
22	1	4	8	.095	.510	.950	.420	.860	27.00
23	2	3/8	1-3/4	.066	.200	.700	.250	.370	6.30
24	2	3/8	4	.055	.200	.700	.250	.370	13.35
25	2	9/16	4	.083	.350	1.380	.330	.600	12.00
26	2	3/16	5/8	.046	.100	.470	.180	.260	2.72
27	2	3/16	1-1/4	.055	.146	.550	.220	.300	4.68
28	2	9/16	8	.083	.350	1.380	.330	.600	26.25
29	2	3/8	3	.055	.200	.700	.250	.370	10.20
30	3	5/64	1	.041	.101	.143	.213	.214	3.1
31	3	5/64	1-1/2	.045	.101	.150	.213	.214	4.6
32	3	5/64	2	.045	.101	.150	.213	.214	6.2
33	3	5/64	1-1/2	.043	.143	.185	.255	.267	4.9
34	3	5/64	3	.055	.143	.197	.255	.267	9.8
35	3	5/64	4	.055	.143	.197	.255	.267	13.0
36	3	11/64	2	.047	.193	.195	.286	.337	6.6
37	3	9/32	3	.055	.193	.220	.286	.337	9.8
38	3	9/32	4	.055	.193	.220	.286	.337	13.0
39	3	11/64	2	.062	.255	.245	.322	.405	7.0
40	3	5/16	4	.075	.305	.328	.406	.510	13.6
41	3	5/16	6	.075	.305	.328	.406	.510	19.9



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STRAP, TIEDOWN, ELECTRICAL COMPONENTS,
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TABLE 2 - FIGURES 1 THROUGH 3 CONFIGURATION DETAILS

MS3367 SIZE DASH NUMBER	MIN TENSILE STRENGTH LB	STRAP ID CODE (SEE REQ)	MS INSTALLATION TOOL	TOOL TENSION SETTING RANGE (SEE APPLICATION NOTES)
1	50	STD (STANDARD)	MS90387-1	6 TO 8
2	50	STD (STANDARD)	MS90387-1	6 TO 8
3	120	HVY (HEAVY)	MS90387-2	5 TO 8
4	18	MIN (MINIATURE)	MS90387-1	1 TO 3
5	30	INT (INTERMEDIATE)	MS90387-1	3 TO 5
6	120	HVY (HEAVY)	MS90387-2	5 TO 8
7	50	STD (STANDARD)	MS90387-1	6 TO 8
8	175	HVY (HEAVY)	MS90387-2	5 TO 8
9	175	HVY (HEAVY)	MS90387-2	5 TO 8
10	175	HVY (HEAVY)	MS90387-2	5 TO 8
11	175	HVY (HEAVY)	MS90387-2	5 TO 8
12	175	HVY (HEAVY)	MS90387-2	5 TO 8
13	175	HVY (HEAVY)	MS90387-2	5 TO 8
14	175	HVY (HEAVY)	MS90387-2	5 TO 8
15	175	HVY (HEAVY)	MS90387-2	5 TO 8
16	175	HVY (HEAVY)	MS90387-2	5 TO 8
17	175	HVY (HEAVY)	MS90387-2	5 TO 8
18	175	HVY (HEAVY)	MS90387-2	5 TO 8
19	250	EXTRA HVY (E HEAVY)	MS90387-4	5 TO 8
20	250	EXTRA HVY (E HEAVY)	MS90387-4	5 TO 8
21	250	EXTRA HVY (E HEAVY)	MS90387-4	5 TO 8
22	250	EXTRA HVY (E HEAVY)	MS90387-4	5 TO 8
23	50	STD (STANDARD)	MS90387-1	6 TO 8
24	50	STD (STANDARD)	MS90387-1	6 TO 8
25	120	HVY (HEAVY)	MS90387-2	5 TO 8
26	18	MIN (MINIATURE)	MS90387-1	1 TO 3
27	30	INT (INTERMEDIATE)	MS90387-1	3 TO 5
28	120	HVY (HEAVY)	MS90387-2	5 TO 8
29	50	STD (STANDARD)	MS90387-1	6 TO 8
30	18	MIN (MINIATURE)	MS90387-1	1 TO 3
31	18	MIN (MINIATURE)	MS90387-1	1 TO 3
32	18	MIN (MINIATURE)	MS90387-1	1 TO 3
33	40	INT (INTERMEDIATE)	MS90387-1	3 TO 5
34	40	INT (INTERMEDIATE)	MS90387-1	3 TO 5
35	40	INT (INTERMEDIATE)	MS90387-1	3 TO 5
36	50	STD (STANDARD)	MS90387-1	6 TO 8
37	50	STD (STANDARD)	MS90387-1	6 TO 8
38	50	STD (STANDARD)	MS90387-1	6 TO 8
39	85	HVY STD (HEAVY STD)	MS90387-2	4 TO 6
40	120	LT HVY (LIGHT HEAVY)	MS90387-2	5 TO 8
41	120	LT HVY (LIGHT HEAVY)	MS90387-2	5 TO 8



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