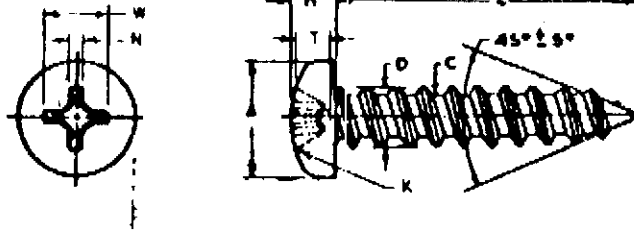


Aero-Metals Components, Inc.  
 851 Conner Drive  
 Bensalem, PA 19020-7541

PRO SUP CLASS  
**5305**



NOMINAL SIZE		4 (.112)	6 (.130)	8 (.164)	10 (.190)	12 (.210)	14 (.240)
THREADS PER INCH		24	18	15	12	11	10
MAJOR DIAMETER D		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
MINOR DIAMETER C		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
HEAD DIAMETER A		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
HEAD HEIGHT H		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
RECESS DIAMETER W		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
RECESS DEPTH Y		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
RECESS RADIUS R		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
DEPTH OF GAGE PENETRATION		MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
DRIVER SIZE		1	2	2	2	3	3

LENGTH	L	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
1/4		± 1/32	1	9	20	20	11	51
3/8			2	10	21	21	12	52
1/2			3	11	22	22	13	53
5/8			4	12	23	23	14	54
3/4		± 1/64	5	13	24	24	15	55
7/8				14	25	25	16	56
1				15	26	26	17	57
1-1/4					27	27	18	58
1-1/2					28	28	19	59
1-3/4				29	29	20	60	
2				30	30	21	61	

MATERIAL: Steel, carbon, in accordance with procurement specification.  
 FINISH: Cadmium plated in accordance with Federal Specification QQ-P-116, Type II, Class 1.  
 THREADS: Thread type to be in accordance with applicable requirements of procurement specification.  
 HEAT TREATMENT: Case hardened or heat treatment to meet performance requirements of procurement specification.  
 RECESS: Except for dimensions W, T, H, K and Depth of Gage Penetration the recess shall be in accordance with MS 9006.  
 \* SHORT LENGTHS: Lengths above dotted line have fine pitch threads.  
 \* HOLE SIZES: For approximate hole sizes see MS 24611.  
 DIMENSIONS: All dimensions are in inches unless otherwise specified.  
 PART NUMBERS: The MS part number consists of the MS number plus the dash number. Example MS 24617-1.  
 NOTES: (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.  
 (2) Referenced documents shall be of the issue in effect on date of invitation for bid.

**(B) CANCELLED - SEE SHEET 2**

**(B) FOR CHANGES SEE SHEETS 1 & 2**

P.A. WC Other Code SH B2	TITLE SCREW, TAPPING-THREAD FORMING, TYPE A, PAN HEAD, CROSS RECESSED, STEEL, CARBON, CADMIUM PLATED	MILITARY STANDARD <b>MS 24617</b>
PROCUREMENT SPECIFICATION PT-2-107	SUPERSEDES MS 24637	SHEET 1 OF 2

APPROVED 5 Oct 59  
 REVISED (A) 27 AUG 1963  
 X PRO 1963

**Aero-Missile Components, Inc.**  
 351 Conner Drive  
 Bensalem, PA 19020-7347

FED. SUP CLASS  
**5305**

The screws covered by the following dash numbers listed in MS 2467 are cancelled after 25 Feb 1963. Use the dash numbers given in Sheet 1. The cancelled screws cannot always replace the superseding screws and should be used until existing stocks are depleted. Use only the superseding screws for design and engineering. Replacement shall be in accordance with the table below.

CROSS RELATIONSHIP		
CANCELLED BY	SUPERSEDED BY	
MS 2467	MS 2467	MS 51861
DASH NO.	DASH NO.	
1	1	12
2	2	14
3	3	15
4	4	16
5	5	17
6	6	18
7	7	19
8	8	20
9	9	21
10	10	22
11	11	23
12	12	24
13	13	25
14	14	26
15	15	27
16	16	28
17	17	29
18	18	30
19	19	31
20	20	32
21	21	33
22	22	34
23	23	35
24	24	36
25	25	37
26	26	38
27	27	39
28	28	40
29	29	41
30	30	42
31	31	43
32	32	44
33	33	45
34	34	46
35	35	47
36	36	48
37	37	49
38	38	50
39	39	51
40	40	52
41	41	53
42	42	54
43	43	55
44	44	56
45	45	57
46	46	58
47	47	59
48	48	60
49	49	61
50	50	62
51	51	63
52	52	64
53	53	65
54	54	66
55	55	67
56	56	68
57	57	69
58	58	70
59	59	71
60	60	72
61	61	73
62	62	
63	63	
64	64	
65	65	

THESE ARE  
 12 DIA.  
 (NOT ON  
 MS 51861)

(B)

**CANCELLED AFTER 27 AUG 1969**  
**USE MS51861.**  
**FOR INTERCHANGEABILITY RELATIONSHIP**  
**SEE MS51861.**

NOTE: When Government drawings, specifications, or other data are used for any purpose other than the production of articles, the United States Government assumes no responsibility, and the use of the drawing, specification, or other data is not to be regarded as an endorsement, approval, or recommendation of the quality, accuracy, or use of any article, material, or process. The Government is not responsible for any errors or for any consequences arising from the use of the information contained herein.

This military standard is approved by the Department of Defense and is mandatory on all military departments, agencies, and activities. It is the responsibility of the user to determine the applicability of this standard to his own equipment and to the equipment with which he deals.

APPROVED 5 Oct 59 REVISED (A) 25 Feb 1963 (B) FOR CHANGES SEE SHEETS 1 & 2.

P.I. WC Ditch Code SH 02	TITLE SCREW, TAPPING-THREAD FORMING, TYPE A, PAN HEAD, CROSS RECESSED, STEEL, CARBON, CADMIUM FLATED	MILITARY STANDARD
		MS24617
PROCUREMENT SPECIFICATION PP-S-107	SUPERSEDES MS 2467	SHEET 3

DD FORM 672-1 (Continued)