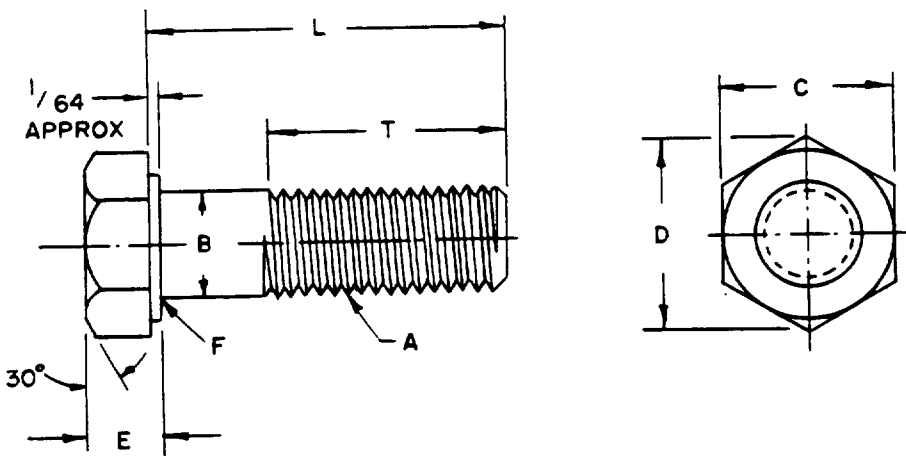


FED. SUP. CLASS  
5306

This standard has been approved by the Naval Ship Engineering Center, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



(Project 5306-NO11Sh) (A) For changes see sheets 1 through 4

CUSTODIANS <b>Ships</b>	OTHER INT.	<b>MILITARY STANDARD</b>	<b>MS 16206</b> <b>(SHIPS)</b>
	A - N - AF -	BOLTS, MACHINE, HEXAGON HEAD, REGULAR SEMI-FINISHED, ALUMINUM ALLOY, UNC-2A	
Procurement Specification <b>MIL-B-857</b>		NONMAGNETIC	SHEET 1 OF 4

APPROVED 8 MAY 1957 REVISED (A) 19 AUGUST 1966

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FED. SUP. CLASS  
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Nominal size Thresds per inch	1/4 20-UNC2A		5/16 18-UNC2A		3/8 16-UNC2A		7/16 14-UNC2A	
	Max.	Min.	MS part No.	FIIN	MS part No.	FIIN	MS part No.	FIIN
(A) Thresds per inch	217	217	25	26	27	27	27	27
(B) Body diameter	.437	.437	45	46	47	47	47	47
(C) Width across flats	.425	.425	48	48	49	49	49	49
(D) Width across corners	.505	.505	50	50	51	51	51	51
(E) Head height	.183	.183	52	52	53	53	53	53
(F) Radius	.031	.031	55	55	56	56	56	56
(L) Length	1-1/4	1-1/4	57	57	58	58	58	58
	3/8	3/8	59	59	60	60	60	60
	1/2	1/2	61	61	62	62	62	62
	5/8	5/8	63	63	64	64	64	64
	3/4	3/4	65	65	66	66	66	66
	1	1	67	67	68	68	68	68
	1-1/4	1-1/4	69	69	70	70	70	70
	1-1/2	1-1/2	71	71	72	72	72	72
	1-3/4	1-3/4	73	73	74	74	74	74
	2	2	75	75	76	76	76	76
	2-1/4	2-1/4	77	77	78	78	78	78
	2-1/2	2-1/2	79	79	80	80	80	80
	2-3/4	2-3/4	81	81	82	82	82	82
	3	3	83	83	84	84	84	84
	3-1/4	3-1/4	85	85	86	86	86	86
	3-1/2	3-1/2	87	87	88	88	88	88
	3-3/4	3-3/4	89	89	90	90	90	90
	4	4	91	91	92	92	92	92
	4-1/4	4-1/4	93	93	94	94	94	94
	4-1/2	4-1/2	95	95	96	96	96	96
	4-3/4	4-3/4	97	97	98	98	98	98
	5	5	99	99	100	100	100	100
	5-1/4	5-1/4						
	5-1/2	5-1/2						
	5-3/4	5-3/4						
	6	6						
	6-1/4	6-1/4						
	6-1/2	6-1/2						
	7	7						
	7-1/2	7-1/2						
	8	8						
	9	9						
	10	10						
	11	11						
	12	12						

CUSTODIANS Ships	OTHER INT. A - M - AF -	<b>MILITARY STANDARD</b>		<b>MS16206</b> (SHIPS)
		BOLTS, MACHINE, HEXAGON HEAD, REGULAR SEMI-FINISHED, ALUMINUM ALLOY, UNC-2A, NONMAGNETIC		
PROCUREMENT SPECIFICATION (A) MIL-B-857		SUPERSEDES:		SHEET 3 OF 4

APPROVED 6 MAY 1957 REVISED A For changes see sheets 1 through 4



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- (A) Material: Aluminum alloy shall be 6061 of QQ-A-200/8.
- (A) Protective coating: Anodize in accordance with MIL-C-5541 or MIL-A-8625.
- Threads: Threads shall be UNC-2A in accordance with Handbook H28.
- Thread length: Minimum thread length shall be twice the nominal size (diameter) plus 1/4 inch for bolt lengths 6 inches and less, and twice the nominal size plus 1/2 inch for bolt lengths over 6 inches. Bolts too short for minimum thread length shall be threaded as close to the head as practicable.
- Dimensions: All dimensions are in inches, unless otherwise specified.

- Notes:
1. In the case of conflict with any document referenced herein, this standard shall govern.
  2. Referenced documents shall be the issue in effect on date of invitation for bids.

APPROVED 8 MAY 1957 REVISED (A) For changes see sheets 1 through 4

CUSTODIANS <b>Ships</b>	OTHER INT.	<b>MILITARY STANDARD</b> BOLTS, MACHINE, HEXAGON HEAD, REGULAR SEMI-FINISHED, ALUMINUM ALLOY, UNC-2A	<b>MS16206</b> (SHIPS)
	A - N - AF -		
Procurement Specification (A) MIL-B-857		NONMAGNETIC	SHEET 4 OF 4