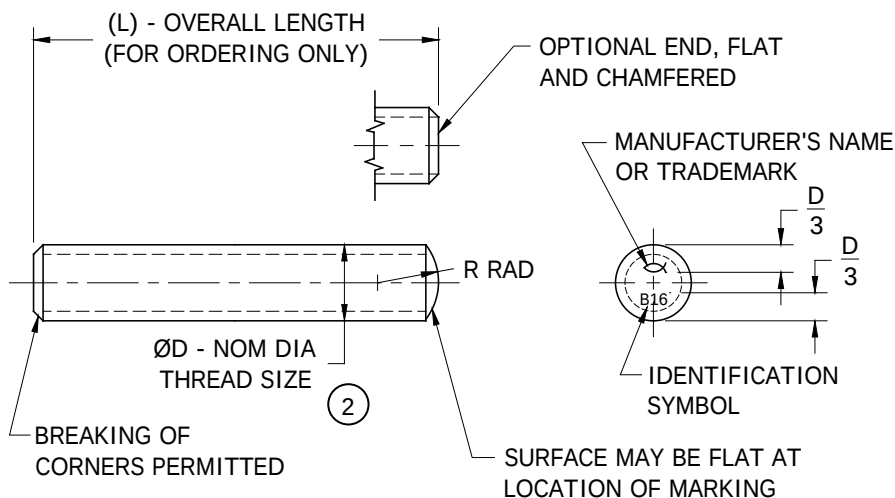




(2)

TABLE I - DIMENSIONS

ØD NOMINAL	THREAD	R RAD
.250	.2500-20 UNC-2A	.250
.313	.3125-18 UNC-2A	.313
.375	.3750-16 UNC-2A	.375
.438	.4375-14 UNC-2A	.438
.500	.5000-13 UNC-2A	.500
.625	.6250-11 UNC-2A	.625
.750	.7500-10 UNC-2A	.750
.875	.8750-9 UNC-2A	.875
1.000	1.0000-8 UNC-2A	1.000
1.125	1.1250-8 UN-2A	1.125
1.250	1.2500-8 UN-2A	1.250
1.375	1.3750-8 UN-2A	1.375
1.500	1.5000-8 UN-2A	1.500
1.750	1.7500-8 UN-2A	1.750
2.000	2.0000-8 UN-2A	2.000
2.250	2.2500-8 UN-2A	2.250
2.500	2.5000-8 UN-2A	2.500

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS16187, REVISION B. PART NUMBERS REMAIN MS16187.

THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
2

PROCUREMENT
SPECIFICATION
MIL-DTL-1222

TITLE
**STUD, CONTINUOUS THREAD, BOLT-STUD,
B16 ALLOY STEEL, HIGH TEMPERATURE SERVICE
875-1,000 °F**

CLASSIFICATION
PART STANDARD

MS16187

SHEET 1 OF 3

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MATERIAL:

- ② MATERIAL SHALL CONFORM TO TYPE IV, IDENTIFICATION SYMBOL "B16" PER PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

MECHANICAL PROPERTIES AFTER HEAT TREATMENT SHALL BE AS FOLLOWS:

IDENTIFICATION SYMBOL	TENSILE STRENGTH (MIN)	YIELD POINT (MIN)	ELONGATION IN 2 INCHES (MIN)	REDUCTION OF AREA (MIN)	HARDNESS
B16	125 KSI	105 KSI	18.0%	50.0%	255-321 HB 25-34 HRC

QUENCHED FOLLOWED BY TEMPERING AT 1,200 °F MINIMUM.

CODE:

② MS16187 - 18
BASIC NUMBER DASH NUMBER:
(TABLE II)

EXAMPLE OF PART NUMBER:

- ② MS16187-1 = BOLT-STUD, B16 ALLOY STEEL, CONTINUOUS THREAD, .2500-20 UNC-2A, 1.000 LONG.

NOTES:

- (1) THREADS SHALL BE IN ACCORDANCE WITH SCREW-THREAD STANDARDS FOR FEDERAL SERVICE, FED-STD-H28.
- (2) DIMENSIONS IN INCHES.
- (3) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (5) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- ② (7) BOLT-STUDS ARE INTENDED FOR SERVICE AT 875 TO 1,000 °F.

REVISION

2

NAS16187

SHEET 2



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