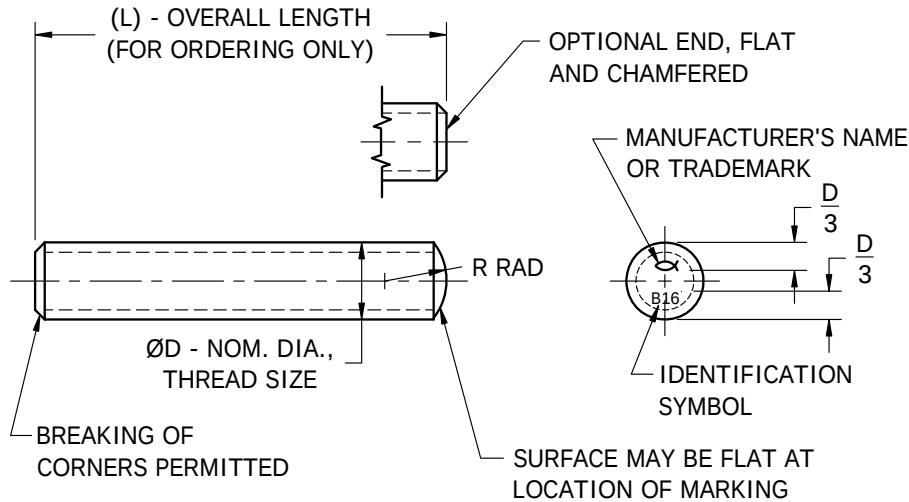


FED. SUPPLY CLASS

5307



① COMPLETELY REVISED

TABLE I - DIMENSIONS AND DASH NUMBERS

ØD NOMINAL SIZE	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
THREAD	.2500-20 UNC-2A	.3125-18 UNC-2A	.3750-16 UNC-2A	.4375-14 UNC-2A	.5000-13 UNC-2A	.6250-11 UNC-2A	.7500-10 UNC-2A	.8750-9 UNC-2A
R RAD	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
(L) LENGTH	LENGTH TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
1	± 1/16	1	14	27	-	-	-	-
1-1/4		2	15	28	-	-	-	-
1-1/2		3	16	29	40	57	-	-
1-3/4		4	17	30	41	58	-	-
2		5	18	31	42	59	-	-
2-1/4		6	19	32	43	60	-	-
2-1/2		7	20	33	44	61	80	-
2-3/4		8	21	34	45	62	81	-
3		9	22	35	46	63	82	99
3-1/4		10	23	36	47	64	83	100
3-1/2		11	24	37	48	65	84	101
3-3/4		12	25	38	49	66	85	102
4		13	26	39	50	67	86	103
4-1/4		-	-	-	51	68	87	104
4-1/2		-	-	-	52	69	88	105
4-3/4		-	-	-	53	70	89	106
5		-	-	-	54	71	90	107
5-1/2		-	-	-	55	72	91	108
6		-	-	-	56	73	92	109
6-1/2		-	-	-	-	74	93	110
7		-	-	-	-	75	94	111
7-1/2		-	-	-	-	76	95	112
8		-	-	-	-	77	96	113
8-1/2		-	-	-	-	78	97	114
9		-	-	-	-	79	98	115

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

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION MIL-DTL-1222	TITLE STUD, CONTINUOUS THREAD, BOLT-STUD, B16 ALLOY STEEL, HIGH TEMPERATURE SERVICE 875-1,000 °F	CLASSIFICATION PART STANDARD MSM16187

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TABLE I – DIMENSIONS AND DASH NUMBERS (CONTINUED)

ØD NOMINAL SIZE		1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2	2-1/4	2-1/2
THREAD		1.0000-8 UNC-2A	1.1250-8 UN-2A	1.2500-8 UN-2A	1.3750-8 UN-2A	1.5000-8 UN-2A	1.7500-8 UN-2A	2.0000-8 UN-2A	2.2500-8 UN-2A	2.5000-8 UN-2A
R RAD		1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2	2-1/4	2-1/2
LENGTH (L)	LENGTH TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
4-1/2	± 1/16	129	–	–	–	–	–	–	–	–
4-3/4		130	–	–	–	–	–	–	–	–
5		131	–	–	–	166	–	–	–	–
5-1/2		132	140	–	–	167	–	–	–	–
6		133	141	148	155	168	177	189	201	213
6-1/2		134	142	149	156	169	178	190	202	214
7		135	143	150	157	170	179	191	203	215
7-1/2		136	144	151	158	171	180	192	204	216
8		137	145	152	159	172	181	193	205	217
8-1/2		138	146	153	160	173	182	194	206	218
9		139	147	154	161	174	183	195	207	219
9-1/2		–	–	–	162	175	184	196	208	220
10		–	–	–	163	176	185	197	209	221
10-1/2		–	–	–	164	249	186	198	210	222
11		–	–	252	165	250	187	199	211	223
12		–	–	–	–	251	188	200	212	224

MATERIAL:

MATERIAL SHALL CONFORM TO TYPE I, 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:

THE PART NUMBER CONSISTS OF THE MS NUMBER, PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

MS16187-1

① COMPLETELY REVISED

REVISION
1
MS16187
SHEET 2

