



SECTION THRU THREAD PROFILE

PART NO.	L	K +.000 -.060	APPROX. WEIGHT LB/100	PART NO.	L	K +.000 -.060	APPROX. WEIGHT LB/100
MS21286-02	.250	(a)	.30	MS21286-19	1.312	.790	.68
MS21286-03	.312	(a)	.32	MS21286-20	1.375	.812	.70
MS21286-04	.375	(a)	.34	MS21286-21	1.438	.875	.73
MS21286-05	.438	(a)	.37	MS21286-22	1.500	.938	.75
MS21286-06	.500	(a)	.39				
MS21286-07	.562	(a)	.41				
MS21286-08	.625	(a)	.44				
MS21286-09	.688	.125	.46				
MS21286-10	.750	.188	.48				
MS21286-11	.812	.250	.50				
MS21286-12	.875	.312	.52				
MS21286-13	.938	.375	.55				
MS21286-14	1.000	.438	.57				
MS21286-15	1.062	.500	.59				
MS21286-16	1.125	.562	.61				
MS21286-17	1.188	.625	.64				
MS21286-18	1.250	.688	.66				

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS. EXCEPT INCOMPLETE THREADS NOT TO ENTER FILLET RADIUS.

NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .005 FIR. PER INCH OF BOLT LENGTH.  
(2) THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.  
(3) THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON CD SHALL BE WITHIN .009 FIR.

MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5735  
MANUFACTURING SPECIFICATION: AMS 7478 EXCEPT HEADS TO BE FORMED BY HOT OR COLD UPSETTING  
PART SUBJECT TO FLUORESCENT PENETRANT INSPECTION PER AMS 2645  
SURFACE ROUGHNESS: MIL-STD-10 . UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.  
BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED  
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED; TOLERANCES; LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$   
DO NOT USE UNASSIGNED PART NUMBERS.

This standard has been approved by the BuAEP (Department of the Navy) and the Department of the USAF and is mandatory for use by all military activities. All other military activities are required to employ this standard where suitable.

P.A. Navy - Wep  
Other Cust Air Force - ASD

**TITLE**

SCREW, MACHINE - STEEL, DRILLED DOUBLE HEXAGON,  
EXTENDED WASHER, .138-40  
(MIL-S-8879 THREAD) (B)

PROCUREMENT SPECIFICATION
NONE

**SUPERSEDES:**

MILITARY STANDARD

**MS21286(ASG)**

SHEET 1 OF 1

APPROVED 1 MAY 61 REVISED A 23 OCT 61 B 17 SEP 63