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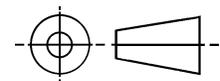
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THIRD ANGLE PROJECTION



ISSUED 1998-11

PREPARED BY COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

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Land Sea Air and Space
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400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

BOLT, MACHINE, HEXAGON HEAD,
STEEL, .190-32 UNJF-3A

AS9451
SHEET 1 OF 3

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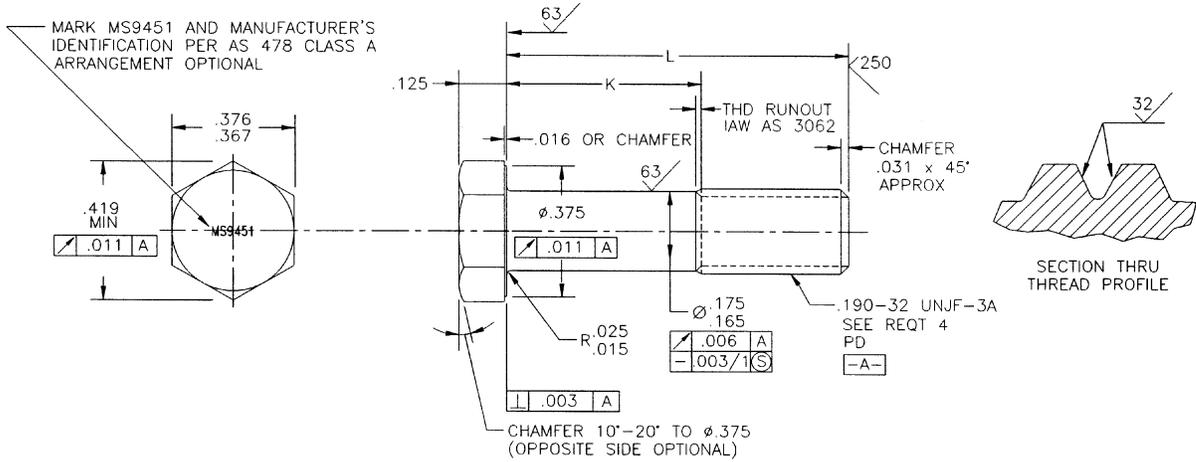


TABLE 1 - DASH NUMBERS AND DIMENSIONS

DASH NO.	L	K	APPROX WEIGHT LB/100	DASH NO.	L	K	APPROX WEIGHT LB/100
-04	3.75	.072-.092	.66	-31	2.375	1.685-1.740	1.95
-05	4.38	.072-.092	.70	-32	2.500	1.810-1.870	2.03
-06	.500	.072-.092	.74	-33	2.625	1.935-1.995	2.11
-07	.562	.072-.092	.78	-34	2.750	2.060-2.120	2.20
-08	.625	.072-.092	.82	-35	2.875	2.185-2.245	2.28
-09	.688	.072-.092	.86	-36	3.000	2.310-2.370	2.36
-10	.750	.072-.092	.90	-37	3.125	2.435-2.495	2.44
-11	.812	.122-.182	.94	-38	3.250	2.560-2.620	2.52
-12	.875	.185-.245	.98	-39	3.375	2.685-2.745	2.60
-13	.938	.248-.308	1.02	-40	3.500	2.810-2.870	2.68
-14	1.000	.310-.370	1.07	-41	3.625	2.935-2.995	2.76
-15	1.062	.372-.432	1.11	-42	3.750	3.060-3.120	2.84
-16	1.125	.435-.495	1.15	-43	3.875	3.185-3.245	2.92
-17	1.188	.498-.558	1.19				
-18	1.250	.560-.620	1.23				
-19	1.312	.622-.682	1.27				
-20	1.375	.685-.745	1.31				