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AS9588

Submitted for recognition as an American National Standard

FEDERAL SUPPLY CLASS
5306

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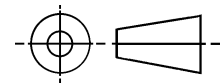
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THIRD ANGLE PROJECTION



ISSUED 1998-11

PREPARED BY COMMITTEE E-25

PROCUREMENT SPECIFICATION: AMS 7477

SAE The Engineering Society
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AEROSPACE STANDARD

BOLT, MACHINE-HEXAGON HEAD, DRILLED, 6 HOLES,
FULL SHANK, .500-20 UNJF-3A

AS9588
SHEET 1 OF 3

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SEE REQT 5

$\sqrt{.023\text{ B}}$

.752
.741

$\phi .188$ TO DEPTH SHOWN

.846 MIN

CSK 90° TO $\phi .100$
6 HOLES EQUALLY SPACED AS SHOWN

$\phi .070$

CHAMFER 30° TO $\phi .750$

$\phi .710$ MIN BEARING SURFACE

$\sqrt{.023\text{ B}}$

$\phi .760$ MAX

VIEW A ENLARGED

$\sqrt{.003\text{ B}}$

.344
.264
.160 TO POINT

.016

.030
R.020

32°

THREAD RUNOUT IAW AS 3062

CHAMFER .047 X 45° ±10°

500-20 UNJF-3A

-A- SEE REQT 2

$\phi .499$
 $\phi .495$

-B-
-.002/1 S
 $\sqrt{.006\text{ A}}$

32°

SECTION THRU THREAD PROFILE

DASH NO.	L	K	APPROX WEIGHT LB/100	DASH NO.	L	K	APPROX WEIGHT LB/100
-04	.812	.105-.125	9.00	-31	3.250	1.940-2.000	22.53
-05	.875	.105-.125	9.35	-32	3.375	2.065-2.125	23.22
-06	.938	.105-.125	9.70	-33	3.500	2.190-2.250	23.92
-07	1.000	.105-.125	10.05	-34	3.625	2.315-2.375	24.61
-08	1.062	.105-.125	10.42	-35	3.750	2.440-2.500	25.30
-09	1.125	.105-.125	10.74	-36	3.875	2.565-2.625	26.00
-10	1.188	.105-.125	11.09	-37	4.000	2.690-2.750	26.69
-11	1.250	.105-.125	11.43	-38	4.125	2.815-2.875	27.38
-12	1.312	.105-.125	11.78	-39	4.250	2.940-3.000	28.08
-13	1.375	.105-.125	12.13	-40	4.375	3.065-3.125	28.78
-14	1.438	.128-.188	12.48	-41	4.500	3.190-3.250	29.47
-15	1.500	.190-.250	12.82	-42	4.625	3.315-3.375	30.16
-16	1.562	.252-.312	13.16	-43	4.750	3.440-3.500	30.85
-17	1.625	.315-.375	13.57	-44	4.875	3.565-3.625	31.54
-18	1.688	.378-.438	13.86	-45	5.000	3.690-3.750	32.24
-19	1.750	.440-.500	14.21	-46	5.125	3.815-3.875	32.93
-20	1.875	.565-.625	14.90	-47	5.250	3.940-4.000	33.62
-21	2.000	.690-.750	15.59	-48	5.375	4.065-4.125	34.32
-22	2.125	.815-.875	16.29	-49	5.500	4.190-4.250	35.01
-23	2.250	.940-1.000	16.98	-50	5.625	4.315-4.375	35.71
-24	2.375	1.065-1.125	17.67	-51	5.750	4.440-4.500	36.40
-25	2.500	1.190-1.250	18.37	-52	5.875	4.565-4.625	37.09
-26	2.625	1.315-1.375	19.06	-53	6.000	4.690-4.750	37.79
-27	2.750	1.440-1.500	19.75	-54	1.812	.502-.562	14.55
-28	2.875	1.565-1.625	20.45	-55	1.938	.628-.688	15.24
-29	3.000	1.690-1.750	21.14				
-30	3.125	1.815-1.875	21.84				