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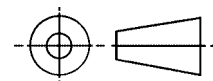
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THIRD ANGLE PROJECTION



ISSUED 1999-12

PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: AMS 7452

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AEROSPACE STANDARD

BOLT-MACHINE, STEEL, DRILLED 12 POINT HEAD,
.375-24, BLACK OXIDE

AS91721
SHEET 1 OF 3

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Technical drawing of a bolt and nut assembly. The bolt is shown in a cross-sectional view with dimensions: total length 422, head diameter 438/430, head thickness 184, and shank diameter 260. The nut is shown in a cross-sectional view with dimensions: total length 422, head diameter 438/430, head thickness 184, and shank diameter 260. The drawing includes a section A-A through the thread profile, showing the thread pitch and chamfer. A table at the bottom right provides material and surface finish specifications.

Table 1: Material and Surface Finish Specifications

Part	Material	Surface Finish (Ra)	Notes
Bolt	304	0.025	See Reqt 2
Nut	304	0.025	See Reqt 2

TABLE 1. DASH NUMBER AND DIMENSIONS

DASH NO	L	K +.000 -.060	APPROX. WEIGHT LBS/100	DASH NO	L	K +.000 -.060	APPROX. WEIGHT LBS/100	DASH NO	L	K +.000 -.060	APPROX. WEIGHT LBS/100
-06	.750	<u>1/</u>	3.74	-22	1.750	.750	6.44	-40	4.000	3.000	12.47
-07	.812	<u>1/</u>	3.90	-23	1.875	.875	6.77	-41	4.125	3.125	12.80
-08	.875	<u>1/</u>	4.07	-24	2.000	1.000	7.11	-42	4.250	3.250	13.13
-09	.938	<u>1/</u>	4.24	-25	2.125	1.125	7.44	-43	4.375	3.375	13.46
-10	1.000	<u>1/</u>	4.41	-26	2.250	1.250	7.78	-44	4.500	3.500	13.89
-11	1.062	<u>1/</u>	4.58	-27	2.375	1.375	8.11	-45	4.625	3.625	14.23
-12	1.125	.125	4.75	-28	2.500	1.500	8.44	-46	4.750	3.750	14.56
-13	1.188	.188	4.91	-29	2.625	1.625	8.78	-47	4.875	3.875	14.89
-14	1.250	.250	5.08	-30	2.750	1.750	9.12	-48	5.000	4.000	15.23
-15	1.312	.312	5.25	-31	2.875	1.875	9.46	-49	5.125	4.125	15.57
-16	1.375	.375	5.43	-32	3.000	2.000	9.80	-50	5.250	4.250	15.90
-17	1.438	.438	5.60	-33	3.125	2.125	10.13	-51	5.375	4.375	16.23
-18	1.500	.500	5.76	-34	3.250	2.250	10.47	-52	5.500	4.500	16.56
-19	1.562	.562	5.93	-35	3.375	2.375	10.80	-53	5.625	4.625	16.89
-20	1.625	.625	6.10	-36	3.500	2.500	11.14	-54	5.750	4.750	17.23
-21	1.688	.688	6.27	-37	3.625	2.625	11.47	-55	5.875	4.875	17.57
				-38	3.750	2.750	11.80	-56	6.000	5.000	17.91
				-39	3.875	2.875	12.14				

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