FEDERAL SUPPLY CLASS
5306

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9724. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

MARK PART NUMBER
AND MANUFACTURER'S
IDENTIFICATION PER
AS478 CLASS A

CHAMFER 28°–32°
TO Ø.312

35° MIN TO ROOT
OF DOUBLE HEX

R .015
MAX

**SECTION THRU
THREAD PROFILE**

.2500–28 UNJF–3A MOD
MAJOR DIA .2435–.2475 MOD

THD RUNOUT
PER AS3062

CHAMFER
.031 X 45°±10°

REAFFIRMED 2007-06   REVISED 2002-08   ISSUED 1998-08

THIRD ANGLE PROJECTION

PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE & PROPULSION SYSTEMS

SAEAerospace
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AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD,
CLOSE TOLERANCE SHANK, CORROSION AND HEAT RESISTANT STEEL,
UNS N07001, 165 KSI MIN, .2500-28 UNJF-3A

AS9724
SHEET 1 OF 3

**REV.
B**

TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NO.	L	G MIN	K MAX	APPROX MASS LBS/100	PART NO.	L	G MIN	K MAX	APPROX MASS LBS/100
MS9724–03	.700	.117	.198	1.70	MS9724–46	3.387	2.804	2.885	5.57
MS9724–04	.762	.179	.260	1.79	MS9724–47	3.450	2.867	2.948	5.66
MS9724–05	.824	.241	.322	1.88	MS9724–48	3.512	2.929	3.010	5.75
MS9724–06	.887	.304	.385	1.96	MS9724–49	3.574	2.991	3.072	5.84
MS9724–07	.950	.367	.448	2.06	MS9724–50	3.637	3.054	3.135	5.93
MS9724–08	1.012	.429	.510	2.15	MS9724–51	3.700	3.117	3.198	6.02
MS9724–09	1.074	.491	.572	2.24	MS9724–52	3.762	3.179	3.260	6.11
MS9724–10	1.137	.554	.635	2.33	MS9724–53	3.824	3.241	3.322	6.20
MS9724–11	1.200	.617	.698	2.42	MS9724–54	3.887	3.304	3.385	6.29
MS9724–12	1.262	.679	.760	2.51	MS9724–55	3.950	3.367	3.448	6.38
MS9724–13	1.324	.741	.822	2.60	MS9724–56	4.012	3.429	3.510	6.47
MS9724–14	1.387	.804	.885	2.69	MS9724–57	4.074	3.491	3.572	6.56
MS9724–15	1.450	.867	.948	2.78	MS9724–58	4.137	3.554	3.625	6.65
MS9724–16	1.512	.929	1.010	2.87	MS9724–59	4.200	3.617	3.698	6.74
MS9724–17	1.574	.991	1.072	2.96	MS9724–60	4.262	3.679	3.760	6.83
MS9724–18	1.637	1.045	1.135	3.05	MS9724–61	4.324	3.741	3.822	6.92
MS9724–19	1.700	1.117	1.198	3.14	MS9724–62	4.387	3.804	3.885	7.01
MS9724–20	1.762	1.179	1.260	3.23	MS9724–63	4.450	3.867	3.948	7.10
MS9724–21	1.824	1.241	1.322	3.32	MS9724–64	4.512	3.929	4.010	7.19
MS9724–22	1.887	1.304	1.385	3.41	MS9724–65	4.574	3.991	4.072	7.28
MS9724–23	1.950	1.376	1.448	3.50	MS9724–66	4.637	4.054	4.135	7.37
MS9724–24	2.012	1.429	1.510	3.59	MS9724–67	4.700	4.117	4.198	7.46
MS9724–25	2.074	1.491	1.572	3.68	MS9724–68	4.762	4.179	4.260	7.55
MS9724–26	2.137	1.554	1.635	3.77	MS9724–69	4.824	4.241	4.322	7.64
MS9724–27	2.200	1.617	1.698	3.86	MS9724–70	4.887	4.304	4.385	7.73
MS9724–28	2.262	1.679	1.760	3.95	MS9724–71	4.950	4.367	4.448	7.82
MS9724–29	2.324	1.741	1.822	4.04	MS9724–72	5.012	4.429	4.510	7.91
MS9724–30	2.387	1.804	1.885	4.13	MS9724–73	5.074	4.491	4.572	8.00
MS9724–31	2.450	1.867	1.948	4.22	MS9724–74	5.137	4.554	4.635	8.09
MS9724–32	2.512	1.929	2.010	4.31	MS9724–75	5.200	4.617	4.698	8.18
MS9724–33	2.574	1.991	2.072	4.40	MS9724–76	5.262	4.679	4.760	8.27
MS9724–34	2.637	2.054	2.135	4.49	MS9724–77	5.324	4.741	4.822	8.36
MS9724–35	2.700	2.117	2.198	4.58	MS9724–78	5.387	4.804	4.885	8.45
MS9724–36	2.762	2.179	2.260	4.67	MS9724–79	5.450	4.867	4.948	8.54
MS9724–37	2.824	2.241	2.322	4.76	MS9724–80	5.512	4.929	5.010	8.63
MS9724–38	2.887	2.304	2.385	4.85	MS9724–81	5.574	4.991	5.072	8.72
MS9724–39	2.950	2.367	2.448	4.94	MS9724–82	5.637	5.054	5.135	8.81
MS9724–40	3.012	2.429	2.510	5.03	MS9724–83	5.700	5.117	5.198	8.90
MS9724–41	3.074	2.491	2.572	5.12	MS9724–84	5.762	5.179	5.260	9.00
MS9724–42	3.137	2.554	2.635	5.21	MS9724–85	5.824	5.241	5.322	9.08
MS9724–43	3.200	2.617	2.698	5.30	MS9724–86	5.887	5.304	5.385	9.17
MS9724–44	3.262	2.679	2.760	5.39	–––	–––	–––	–––	–––
MS9724–45	3.324	2.741	2.822	5.48	–––	–––	–––	–––	–––

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AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, CLOSE TOLERANCE SHANK, CORROSION AND HEAT RESISTANT STEEL, UNS N07001, 165 KSI MIN, .2500-28 UNJF-3A

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REV. B