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USER ACTIVITIES:

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OLA-IS

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AMSC N/A

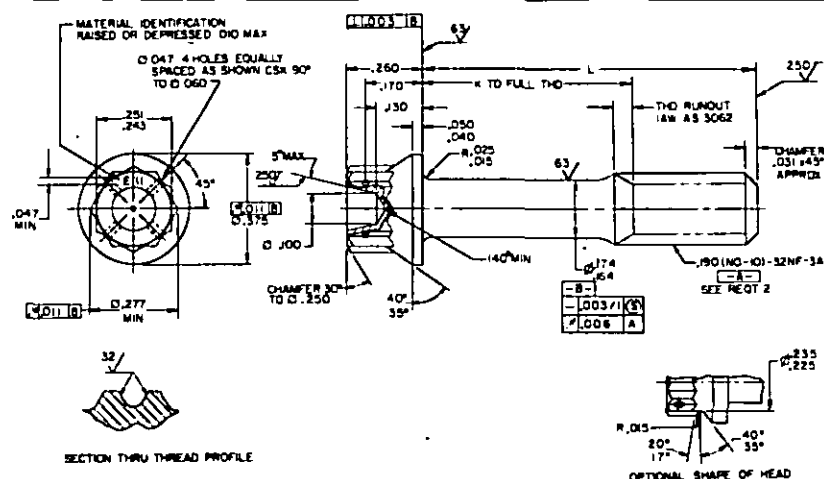


TABLE I DASH NUMBERS AND DIMENSIONS

| DASH NO. | L | K + .000 - .060 | APPROX WEIGHT LBS/100 |
|----------|-------|-----------------------|-----------------------------|
| -05 | .438 | 1/ | .95 |
| -06 | .500 | 1/ | .99 |
| -07 | .562 | 1/ | 1.03 |
| -08 | .625 | 1/ | 1.07 |
| -09 | .688 | 1/ | 1.11 |
| -10 | .750 | 1.25 | 1.15 |
| -11 | .812 | .188 | 1.19 |
| -12 | .875 | .250 | 1.23 |
| -13 | .938 | .312 | 1.27 |
| -14 | 1.000 | .375 | 1.31 |
| -15 | 1.062 | .438 | 1.35 |
| -16 | 1.125 | .500 | 1.39 |
| -17 | 1.188 | .562 | 1.43 |
| -18 | 1.250 | .625 | 1.47 |
| -19 | 1.312 | .688 | 1.51 |
| -20 | 1.375 | .750 | 1.55 |
| -21 | 1.438 | .812 | 1.59 |
| -22 | 1.500 | .875 | 1.63 |

| DASH NO. | L | K +.000 -.060 | APPROX WEIGHT LBS/100 |
|----------|-------|---------------------|-----------------------------|
| -23 | 1.562 | .938 | 1.67 |
| -24 | 1.625 | 1.000 | 1.71 |
| -25 | 1.688 | 1.062 | 1.75 |
| -26 | 1.750 | 1.125 | 1.79 |
| -27 | 1.875 | 1.250 | 1.87 |
| -28 | 2.000 | 1.375 | 1.95 |
| -29 | 2.125 | 1.500 | 2.03 |
| -30 | 2.250 | 1.625 | 2.11 |
| -31 | 2.375 | 1.750 | 2.19 |
| -32 | 2.500 | 1.875 | 2.27 |
| -33 | 2.625 | 2.000 | 2.35 |
| -34 | 2.750 | 2.125 | 2.43 |
| -35 | 2.875 | 2.250 | 2.51 |
| -36 | 3.000 | 2.375 | 2.59 |

1/ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

REQUISITI REQUISITI:

1. MATERIAL : STEEL AMS 6322.
2. THREADS : THREADS IN ACCORDANCE WITH MIL-S-7742. INCOMPLETE THREADS NOT TO ENTER FILLET.
3. HARDNESS : 26-32 HRC
4. FINISH : BLACK OXIDE TREATMENT IN ACCORDANCE WITH AMS 2485.
5. DIMENSIONING AND TOLERANCING : DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
6. WRENCHING CONFIGURATION : WRENCHING CONFIGURATION IN ACCORDANCE WITH AS 870.
7. SURFACE TEXTURE : SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
8. MAGNETIC PARTICLE INSPECTION : MAGNETIC PARTICLE INSPECTION IN ACCORDANCE WITH AMS 2640.
9. TOLERANCES : UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
10. EDGES : BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.

Ⓐ ENTIRE STANDARD REVISED

| | | | |
|---------------------------------------|---------------------------|--|-----------------------------|
| P.A. NAVY-AS Other Cust | INTERNATIONAL INTEREST | TITLE BOLT-MACHINE,STEEL, DRILLED 12 POINT HEAD, ,190(NO.10)-32,BLACK OXIDE | MILITARY STANDARD MS9169 |
| AIR FORCE-II | | | |
| PROCUREMENT SPECIFICATION AMS 7452 | SUPERSEDES. | | PAGE 1 OF 2 |

APPROVED 5 AUG 57 REVISED (A) 6 MAY 57

DD FORM 672-1 (COORDINATED)

FREE OF EDITIONS OF THIS FORM ARE 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610

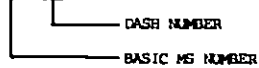
5306-1163

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FED. SUP CLASS
5306

11. PART NUMBER : THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE: MS9169-05



MS9169-05 INDICATES: BOLT-MACHINE, STEEL, DRILLED 12 POINT HEAD,
.190-32, BLACK OXIDE, .438 LONG.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. DO NOT USE UNASSIGNED PART NUMBERS.
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
5. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION.
6. AS AND AMS ARE SAE PUBLICATIONS.

USER ACTIVITIES:

REVIEWER ACTIVITIES:
DLA-1S

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

APPROVED 5 AUG 57 REVISED (A) FOR CHANGES SEE PAGES 1 AND 2

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|---------------------------------------|---------------------------|---|-----------------------------|
| PA. NAVY-AS Other Cust | INTERNATIONAL INTEREST | TITLE BOLT-MACHINE, STEEL, DRILLED 12 POINT HEAD, .190(NO. 10)-32, BLACK OXIDE | MILITARY STANDARD MS9169 |
| AIR FORCE-11 | | | |
| PROCUREMENT SPECIFICATION AMS 7452 | SUPERSEDES | PAGE 2 OF 2 | |

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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