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This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

FED. SUP CLASS
1630

WHEEL ASSEMBLY

1. Wheel assembly 6.00-6 shall conform to the applicable requirements of MIL-W-5013; shall function satisfactorily when used with the tire and tube specified as type III in MIL-T-5041 and MIL-T-5014; and shall be capable of being readily assembled and disassembled.
2. There shall be no deviation from dimensions specified herein, except by written authorization of the contracting officer.
3. For test purposes, this standard requires submittal of three wheel assemblies from initial production; also, three wheel assemblies after completion of 25-percent production, but not later than the 50th production assembly, these wheels to be selected at random from the assembly line by the Quality Control Officer.

WHEEL DESIGN

1. Wheel design shall provide for use of grease seals on both the inboard and outboard sides; however, hub caps may be used on the outboard side provided prior approval has been obtained from the procuring activity.
2. Unless otherwise specified by the procuring activity, bolts shall be of AN or MS standard configuration. A minimum of three and a maximum of six bolts shall be used to fasten the wheel halves together (see Plate B of this standard). Wheel bolt fastenings shall be equidistant from one another.

PERFORMANCE

1. Wheel assembly shall meet the test requirements of MIL-W-5013, and as specified below:
 - (a) Loading incident to brake tests shall show no evidence of deterioration other than normally expected from satisfactory service equipment.
 - (b) Radial load of 15,000 pounds.
 - (c) Side load of 5,450 pounds.
 - (d) Burst test of 169 pounds per square inch.
 - (e) Roll test of 1,000 miles with a wheel loading of 1,600 pounds.
 - (f) Static unbalance of wheel shall not exceed 2 ounce-inches.
2. Tire and tube used in testing the wheel shall be in accordance with MIL-T-5041 and MIL-T-5014.

NOTES:

1. Prior to award of contract or order, approval of the contractor's project drawing and design data shall be obtained.
2. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
3. Referenced documents shall be of the issue in effect on date of invitations for bid.

P.A. ARMY-AV Other Cust	TITLE WHEEL ASSEMBLY 6.00-6, TYPE III	MILITARY STANDARD
USAF -70		MS 87014
PROCUREMENT SPECIFICATION MIL-W-5013.	SUPERSEDES: NONE	SHEET 2 OF