PROJECT NO. 2620-0081

FED. SUP CLASS
2620

THE TIRE SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS
OF SPECIFICATION MIL-T-5041 EXCEPT AS SPECIFIED HEREIN

SIZE	PLY RATING	STATIC LOAD RATING LBS.	INFL. PRESS. PSI RATED	BURST PRESS. PSI MIN.	BEAD WIDTH INCH MAX.	WEIGHT LBS. MAX.	STATIC UNBAL. OZ.-IN. MAX.	TREAD	MOLD SKID DEPTH MIN.	DEFLECTION +3% -4%
34 x 9.9-16	14 TL 1/	14,000	150	600 2/	1.90	66	11	RIB 3/	.31	32

1/ TL - TUBELESS TIRE

2/ NEW TIRE

3/ AT LEAST FOUR, BUT NOT MORE THAN SEVEN
CONTINUOUS CIRCUMFERENTIAL RIBS.

THE TIRE COVERED BY THIS DRAWING SHALL BE SUITABLE FOR USE AND PROVIDE REASONABLE SERVICE LIFE
DURING ALL NORMAL OPERATIONS AT TAKE-OFF AND LANDING SPEEDS INDICATED HEREIN ON ALL TYPES OF RUN-
WAYS AND ON AIRCRAFT CARRIERS.

TEST TIRE SHALL CONSECUTIVELY WITHSTAND 100 CYCLES OF TEST "A" AND 100 CYCLES OF TEST "B" AND THEN
USED FOR TEST "C".

TEST A - TAXI TAKEOFF - THE TIRE SHALL BE LOADED TO 14,000 POUNDS AGAINST A STATIONARY FLY-
WHEEL. THE FLYWHEEL SHALL THEN BE ACCELERATED TO 30 MPH AND THE TIRE SHALL BE ROLLED FOR 10,000
FEET. STOP THE FLYWHEEL KEEPING THE TIRE FULLY LOADED. THE FLYWHEEL SHALL THEN BE ACCELERATED AT
AN AVERAGE RATE OF 5.5 FT/SEC/SEC TO 160 MPH. THE LOAD SHALL REMAIN CONSTANT FOR THE FIRST 10
SECONDS AND THEN DECREASED LINEARLY WITH TIME TO ZERO POUNDS LOAD IN APPROXIMATELY 43 SECONDS AFTER
START OF THE TAKEOFF ROLL. THE TIRE SHALL BE UNLOADED AFTER A ROLL OF 5,100 FEET HAS BEEN COVERED.

TEST B - LANDING TAXI - THE TIRE SHALL BE LANDED AGAINST A FLYWHEEL ROTATING AT A SPEED OF
120 MPH. THE FLYWHEEL SHALL HAVE AN AVERAGE DECELERATION OF 4 FT/SEC/SEC FROM 120 MPH TO 30 MPH.
THE LOAD SHALL INCREASE LINEARLY FROM ZERO AT LANDING TO 3,000 POUNDS IN 4 SECONDS AND THEN INCREASE
LINEARLY TO 11,000 POUNDS IN 23 SECONDS AFTER LANDING AND HELD AT THIS LOAD UNTIL THE TOTAL ROLL
DISTANCE OF 3,600 FEET HAS BEEN COVERED IN APPROXIMATELY 33 SECONDS. THE TIRE SHALL THEN BE TAXIED
AT 30 MPH FOR 10,000 FEET AT 11,000 POUNDS LOAD.

TEST C - BURST TEST - THE TESTED TIRE SHALL BE SUBJECTED TO A HYDROSTATIC BURST TEST. THE
PRESSURE SHALL BE INCREASED UNTIL THE TIRE FAILS AND THE FAILING PRESSURE, DESCRIPTION OF FAILURE,
AND LOCATION OF FAILURE SHALL BE REPORTED IN THE QUALIFICATION TEST REPORT.

WEAR DEPTH INDICATORS - TREAD WEAR INDICATORS SHALL BE PROVIDED TO ESTABLISH ALLOWABLE WEAR OF
TREAD DOWN TO 1/32 INCH FROM THE BOTTOM OF THE TREAD GROOVES. OBLONG HOLES (3/4 x 3/16 INCH) OR
ROUND HOLES (7/16 INCH DIAM.) SHALL BE LOCATED IN THE TREAD RIBS NOT MORE THAN 45° DEGREES APART.

QUALIFICATION TEST REPORT - THE QUALIFICATION TEST REPORT SHALL LIST THE RESULTS OF ALL QUALIFICA-
TION TESTS AND CONSTRUCTION DETAILS OF THE QUALIFICATION TEST SAMPLE IN THE GENERAL FORM SHOWN
IN MIL-T-5041 WITH DIMENSIONS LISTED AT RATED INFLATION AND AT 180 PSI. A SKETCH OF THE TIRE
PROFILE AT RATED AND 180 PSI SHALL BE INCLUDED IN THE REPORT. THE REPORT SHALL LIST THE MANUFAC-
TURER'S TEST NUMBER. SUBMIT TWO COPIES OF THE QUALIFICATION TEST REPORT, TOGETHER WITH THE DATA
AND MATERIAL SPECIFIED ABOVE AND IN MIL-T-5041 TO THE NAVAL AIR SYSTEMS COMMAND, WASHINGTON, D.C.
20361, ATTENTION: AIR 530321A.

REVISED

APPROVED 6 MAR 75

FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

P.A NAVY - AS Other Cust ARMY-AV AIR FORCE-70	TITLE TIRE, PNEUMATIC, AIRCRAFT, 34 x 9.9-16	MILITARY STANDARD MS14162
PROCUREMENT SPECIFICATION MIL-T-5041	SUPERSEDES	SHEET 1 OF 1

DD FORM 1 MAR 72-1 (Coordinated)   PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE   PLATE NO. 23065