

USER SYMBOLS:

REVIEWER SYMBOLS:

AIR FORCE - 70

"Review/user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DODISS."

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

FED. SUP CLASS

2620

THE TIRE SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF MIL-R-7726 EXCEPT AS SPECIFIED HEREIN.

SIZE	PLY RATING	STATIC LOAD RATING LBS.	INFL. PRESS. PSI RATED	BEAD WIDTH INCH MAX.	WEIGHT LBS. MAX.	STATIC UNBAL. OZ. - IN. ±1/2 OZ.	TREAD	MOLD SKID DEPTH MIN.	DEFLECTION +3% -4%
34 X 9.9-16	14TT	14,000	150	1.75	65.0	0	RIB	.31	32
34 X 9.9-16	14TL	14,000	150	1.90	71.5	0	RIB	.31	32
	1/			2/			3/		

- 1/ TT - TUBE TYPE TIRE
 TL - TUBELESS TIRE
 2/ MAXIMUM BEAD TOE FLASH OF 0.156 INCH NOT INCLUDED
 3/ AT LEAST FOUR, BUT NOT MORE THAN SEVEN CONTINUOUS CIRCUMFERENTIAL RIBS.

RIM DATA (INCHES):

WIDTH BETWEEN FLANGES	LEDGE DIAMETER	FLANGE HEIGHT	MIN. EDGE WIDTH	MIN. FLANGE WIDTH	FLANGE RADIUS	HEEL RADIUS	FLANGE EDGE RADIUS
8.00	16.00	1.25	1.880	.813	.625	.250	.125

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 RUNWAYS AND ON AIRCRAFT CARRIERS.

TIRES REQUIRED FOR TESTS SPECIFIED BELOW SHALL BE REBUILT FROM THE SAME BATCH OF MATERIAL AND SHALL BE IDENTICALLY PROCESSED.

TIRE 1:

TEST TIRE SHALL CONSECUTIVELY WITHSTAND 100 CYCLES OF TEST "A" AND 100 CYCLES OF TEST "B".

TEST A - TAXI TAKEOFF - THE TIRE SHALL BE LOADED TO 14,000 POUNDS AGAINST A STATIONARY FLYWHEEL. 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. 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.

TIRE 2:

GOVERNMENT LABORATORY TESTS - THIS TIRE SHALL NOT BE CONTRACTOR TESTED. IT SHALL BE SECTIONED, AND ALONG WITH A SECTION OF TEST TIRE 1, BE SUBMITTED TO THE GOVERNMENT TESTING LABORATORY AS REQUIRED IN MS3377.

WEAR DEPTH INDICATORS - AN EVEN NUMBER OF TREAD WEAR INDICATORS SHALL BE EQUIDISTANTLY SPACED AROUND THE TIRE TO ESTABLISH ALLOWABLE TREAD WEAR TO 1/32 INCH ABOVE THE BOTTOM OF THE TREAD GROOVES. OBLONG HOLES (1 X 1/4 INCH) OR ROUND HOLES (5/8 INCH DIAMETER) SHALL BE LOCATED IN THE TREAD RIBS. FILLETS (1/2 INCH LONG) SHALL BE LOCATED IN THE TREAD GROOVES. THE NUMBER OF INDICATORS SHALL BE DETERMINED BY DIVIDING THE CIRCUMFERENCE OF THE TIRE BY THE LENGTH OF ITS FOOTPRINT AND ADDING ONE WHEN THE RESULT YIELDS AN ODD NUMBER.

FIELD SERVICE TESTS - THE QUALIFYING LABORATORY, AT ITS OPTION, MAY REQUIRE FIELD SERVICE TESTS BEFORE FINAL QUALIFICATION APPROVAL IS GRANTED.

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 INVITATIONS FOR BID.

(A) DENOTES CHANGES

P.A. NAVY - AS Other Cust	TITLE	MILITARY STANDARD
ARMY - AV AIR FORCE - 99	TIRE, PNEUMATIC, REBUILT, AIRCRAFT, 34 X 9.9-16	MS14167
PROCUREMENT SPECIFICATION MIL-R-7726	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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PLATE NO. 23065

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