

FEDERAL STANDARD

TIRES, PNEUMATIC, VEHICULAR (HIGHWAY LIGHT TRUCK)

Authority. This standard is issued pursuant to the Federal Property and Administrative Services Act of 1949, as amended, and its application to the purchase of commodities referred to herein is mandatory on all Federal agencies.

S1. PURPOSE AND SCOPE. This standard establishes a standard tire size with a specific ply rating which will replace:

- (a) Tire sizes with a lesser ply rating.
- (b) Smaller tire sizes with the same ply rating.

Its purpose is to achieve greater economy through the reduction of line items and the identification in which these line items are used. This standard is applicable to replacement tires only and not for tires involved in vehicle procurement.

S1.1 Table of standard tire size. Table I shows the standard tire size with a specific ply rating and the replaced smaller tire sizes with the same ply rating and the tire sizes with a lesser ply rating.

S2. APPLICATION. Purchase of tires from commercial sources shall be limited to the tire size and ply rating specified in Table I.

S2.1 Applicable documents. The following documents of the issue in effect on the date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

Federal Specification:

ZZ-T-381 - Tires, Pneumatic, Vehicular (Highway).

Federal Qualified Products List:

ZZ-T-381 - Tires, Pneumatic, Vehicular (Highway).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks, as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

(Single copies of this specification and other product specifications required by activities outside the Federal Government for bidding purposes are available without charge at the General Services Administration Regional Offices in Boston, New York, Washington, D.C., Atlanta, Chicago, Kansas City, Mo., Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, Washington.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

S3. CHANGES. When a Federal agency considers that this standard does not provide for its essential needs, written request for changing or adding to the standard supported by adequate justification shall be submitted in duplicate to the Automotive Standards Division, Federal Supply Service, General Services Administration, Washington, D.C. 20406. This justification shall explain wherein the standard does not provide for essential needs. The General Services Administration will determine the appropriate action to be taken and will notify the agency.

Fed. Std. No. 345

S4. CONFLICT WITH REFERENCED SPECIFICATIONS. Where the size requirements specified in this standard conflict with any requirements in a referenced specification, the requirements of this standard shall apply.

Table I

| <u>Standard tire size and ply rating</u> | <u>Replaces</u> |
|--|-----------------|
| E78-14 LT | None |
| H78-15 LT | G78-15 |
| F78-16 LT | None |
| H78-16 LT | None |
| L78-16 LT | None |
| 6.50-16-6 | 6.00-16-6 |
| 6.70-15-6 | None |
| 7.00-13-8 | 7.00-13-6 |
| 7.00-14-8 | 7.00-14-6 |
| 7.00-14-10 | None |
| 7.00-15-8 | 7.00-15-6 |
| 7.00-16-8 | 7.00-16-6 |
| 7.10-15-6 | None |
| 7.50-15-10 | 7.50-15-8 |
| 7.50-16-8 | 7.50-16-6 |
| 7.50-16-10 | None |
| 8.25-16-10 | 8.25-16-8 |
| 9.00-16-10 | 9.00-16-8 |
| 7-14.5-10 | 7-14.5-8 |
| 7-14.5-12 | None |
| 8-14.5-12 | 8-14.5-10 |
| 9-14.5-10 | 9-14.5-8 |
| 9-14.5-12 | None |
| 7-17.5-8 | 7-17.5-6 |
| 8-17.5-8 | 8-17.5-6 |

TABLE I (cont.)

| <u>Standard tire size and ply rating</u> | <u>Replaces</u> |
|--|-----------------|
| 8.00-16.5-6 | 8.00-16.5-4 |
| 8.00-16.5-10 | 8.00-16.5-8 |
| 8.00-16.5-12* | None |
| 8.75-16.5-6 | 8.75-16.5-4 |
| 8.75-16.5-10* | 8.75-16.5-8 |
| 9.50-16.5-6 | 9.50-16.5-4 |
| 9.50-16.5-10* | 9.50-16.5-8 |
| 10-16.5-6 | 10-16.5-4 |
| 10-16.5-8 | None |
| 10-17.5-8 | 10-17.5-6 |
| 10-17.5-12* | 10-17.5-10 |
| 12-16.5-10 | 12-16.5-8 |
| 14-17.5-8 | 14-17.5-6 |
| 14-17.5-12* | 14-17.5-10 |
| 14-17.5-14* | None |

*When used as singles, the widest specified rim must be used. If a clearance does not permit the use of the widest specified rim, the measuring rim may be used. Consult rim and wheel manufacturer to determine if the measuring rim is adequate for the intended service.

Caution: Tire clearance, relative to steering and wheel wells, shall be checked when mounting standard tires on a particular vehicle for the first time.

Tires in service can grow as much as 10 percent. This shall be considered when making the tire clearance check.

Speedometer reading both speed and accumulated mileage may be in error if tire size is different than original equipment size.

Never mix different tire sizes on the same axle.

Never mix different tire construction (bias, bias-belted) on the same axle.

MILITARY CUSTODIANS:
Army - AT

User interest:
Army - CE

Review activities:
Navy - YD
Army - AT, WC

Preparing activity:
GSA-FSS

☆ U. S. GOVERNMENT PRINTING OFFICE : 1972 O - 482-194 (3344)

Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. Single copies of this standard are available without charge at the GSA Business Service Centers in Boston, New York, Atlanta, Chicago, Kansas City, Mo., Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, Washington. Additional copies may be purchased for 10 cents each from the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20407.