

Expert TireStuf®

The Expert TireStuf® program is a Menu Driven program which has 19 modules explaining the various tire size designation systems, the information which MAY be in the DOT tire number, the DOT mandated Tire Grading system, Lug Nut Tightening and Tire Rotation schemes, Mix and Match precautions, a glossary of Tire Terms, and Addresses of a few of the sources of additional information on tires and rims.

Also included is a calculation of the number of revolutions in one mile given the tire section, aspect ratio, and rim diameter.

Users of this program are given permission to use copies of the hard copy printout for Court and deposition reports.

As of April 1995 the 4N6XPRT Systems® programs Expert AutoStats®, Expert Qwic Calcs®, Expert TireStuf®, 4N6XPRT Ped & Bike Calcs® and Expert VIN DeCoder® are accessible from within RECTEC.

SYSTEM REQUIREMENTS

Expert TireStuf® has been tested on a wide variety of IBM laptop and desktop clones ranging from 8088 through Pentium® chips. A math co-processor chip is NOT required. Expert TireStuf® has also been tested under the various versions of MS-DOS 3.0 thru 7.0, DrDOS 6.0, and PC DOS 7.0. It also works as a DOS program under Windows 3.x, Windows 95/ 98/ NT/Me/2000/XP, OS/2 2.x, OS/2 Warp, and various versions of LINUX.

A variety of dot matrix and ink jet printers emulating the EPSON series have been used with no difficulty as well as the Hewlett-Packard II, IIP, III and IIIP Laser printers.

PLEASE PRINT

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Expert TireStuf®
_____ (copies) x \$85.00 = \$ _____
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8387 University Avenue
La Mesa, CA 91942-9342

Telephone Orders:

Monday-Friday - 9:30am-5:00pm PST
Phone: (619) 464-3478 Fax: (619) 464-2206

*Orders will be shipped Priority Mail within 10 working days of receipt of order.
Prices subject to change WITHOUT NOTICE.
* Checks MUST be drawn from a bank in the U.S.A.*

Expert TireStuf®



Useful for evaluating many aspects of Passenger Car and Light Truck tire information.

4N6XPRT Systems®

Forensic Expert Software
8387 University Avenue
La Mesa, CA 91942-9342

Web: <http://www.4n6xpirt.com>

E-Mail: tirestuf@4n6xpirt.com

1-800-266-9778

EXPERT TIRESTUF(tm) MENU
TIRE SIZE NOMENCLATURE & SAFETY CONSIDERATIONS - Cars and Light Trucks

1. American NUMERIC - (e.g. 5.60-14, 5.60R14, 6.85-15 LT)
2. American ALPHA-NUMERIC - (e.g. C78-15, CR78-15, HR78-15 LT)
3. METRIC/ENGLISH Dual Markings - (e.g. 165S15/6.85S15)
4. SINGLE DECIMAL DESIGNATION - (e.g. 6.5-13, 6.5R13, 6.5-14 LT)
5. MILLIMETER (RADIAL) TIRES - (e.g. 205R15, 205SR15)
6. EUROPEAN METRIC SYSTEM (Non-80 Series) - (e.g. 205/70SR15)
7. AMERICAN P-METRIC SYSTEM - (e.g. P205/70SR15, LT205/70SR15)
8. NEW METRIC SYSTEM - (e.g. 215/70SR14 81H, P195/65R15 87H)
9. FLOTATION TIRE SYSTEM - (31x10.5R16.5LT)
10. CALCULATIONS - TIRE RADIUS, CIRCUMFERENCE, Rev./Mile
11. DOT Identification Number Information
12. DOT Tire Grading (UTQG) - Treadwear, Traction, Temperature
13. Lug Nut Tightening Sequences and Precautions
14. Tire Rotation Schemes
15. Precautions on Mixing and Matching Tires on a vehicle
16. Tire Construction Nomenclature and Information
17. Front End Problems - Diagnoses from Tire Wear
18. Glossary of Tire Terms
19. More Information : Selected Addresses; relevant CFR/FMVSS List
20. EXIT TO OPERATING SYSTEM

Enter your selection by #, then press <ENTER> : ?

Enter your selection by #, then press <ENTER>: 1

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Expert TIRESTUF
Rel. 1

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4N6XPRT SYSTEMS
La Mesa, California
91941

American NUMERIC System - (e.g. 5.60-14)

Pre-1965 Bias Ply tires were designated by N.NN-NN where:
the first three digits (N.NN) represented the cross-section
width in inches at no load and normal inflation pressure.

The '-' position indicates the rated speed.

The last two digits are the nominal Rim Diameter in inches.

IF the last digit is followed by LT, the tire is for Light Truck use.

Thus,
5.65-14 indicates a Balloon tire cross-section of
5.65 inches and a rim with a 14 inch diameter. The
tire would be a Bias Ply non-belted tire with a maximum
speed rating of 95 mph. The height to width aspect ratio
is nominally 1 (100%), and is usually about 95%.

Low Section tires came to the market beginning about 1965. These
tires have a cross-section height about 88% of the cross-section width.
Thus, the cross section is oval rather than round. (Aspect Ratio of
0.88 vs 1.00). These tires still had the form N.NN-NN, But always
have 00 or 50 following the decimal, i.e. 5.00-13 OR 5.50-13.

'-' designates a top speed of 95 mph for 13+ inch rims.
'S' designates a top speed is 110 mph for 13+ inch rims.
'H' indicates a top speed of 125 mph for 13+ inch rims.
'V' indicates more than 125 mph for 13+ inch rims.

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American NUMERIC (Cont.) -

TIRE SIZE - PLY RATING - MAXIMUM LOAD

TIRE SIZE	2-4 Ply/4 PLY RATE		4 Ply/6 PLY RATE		4 Ply/8 PLY RATE	
	Load Max.	PSI Max.	Load Max.	PSI Max.	Load Max.	PSI Max.
6.45-14	1120 lb.	32	1200 lb.	36	1270 lb.	40
6.95-14	1230	32	1310	36	1390	40
7.35-14	1360	32	1450	36	1540	40
7.75-14	1500	32	1600	36	1690	40
8.25-14	1620	32	1730	36	1830	40
8.55-14	1770	32	1890	36	2000	40
8.85-14	1860	32	1990	36	2100	40
5.60-15	970	32	1040	36	1105	40
5.90-15	1050	32	1130	36	1200	40
6.85-15	1230	32	1320	36	1390	40
7.35-15	1390	32	1480	36	1570	40
7.75-15	1490	32	1590	36	1690	40
8.15-15	1610	32	1720	36	1820	40
8.25-15	1620	32	1730	36	1830	40
8.45-15	1740	32	1860	36	1970	40
8.55-15	1770	32	1890	36	2000	40
8.85-15	1860	32	1980	36	2100	40
8.90-15	2210	32	2360	36	2500	40
9.15-15	1970	32	2100	36	2230	40

LOW SECTION TIRES

6.00-13	1010	32	1080	36	1140	40
6.50-13	1150	32	1230	36	1300	40
7.00-13	1270	32	1360	36	1440	40
9.00-15	1900	32	2030	36	2150	40

Source: 49 CFR 571.117, No values given for Radials

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4N6XPRT Systems

Expert System Software for Litigation

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Phone: 1- 800-266-9778
Fax: (619) 464-2206

Web Site: <http://www.4n6xpert.com>

E-Mail: 4n6@4n6xpert.com

Dear Customer,

Due to the governments desire (both U.S. & California) to “protect us” we will need the following information from you in order to process your credit card(s). Please complete this form and return it with your order.

Card type: Am. Express / Visa / MasterCard

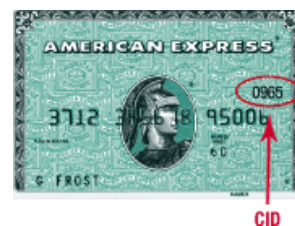
Card Number: _____

Expiration Date (MM/YY): ____/____



← Visa/MasterCard

American Express →



Security code (card ID) on back of Visa/MasterCard card or front of American Express Card:

Address for where the **credit card bill is sent**:

(This is the address number - for instance, ours would be **8387 University Avenue** - that the credit card bill would go to, not where we would send the data or product to)

City/State/Zip for where the **credit card bill is sent**:

(- for instance, ours would be **La Mesa, CA 91941** - that the credit card bill would go to, not where we would send the data or product to)

Authorized signature: _____

We appreciate your cooperation in supplying us with this information and understanding that it is being required of us to obtain the information.

Sincerely,

A handwritten signature in black ink that reads 'Daniel W. Vomhof III'.

Daniel W. Vomhof III
General Manager/Technical Support