

THE SMART MONEY IS ON



TRUCK TIRE DATA

DUAL MATCHING AND SPACING



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When putting tires in dual assemblies, tires should be matched with design and dimensional tolerances in mind. Bias ply tires should not be matched with radials, and tires with a difference of ¼" should not be matched together. Also do not use different rim widths in dual applications.

Mismatched tires may result in mechanical problems, rapid wear, abnormal/irregular wear, and premature tire failure. When improperly matched, one tire will work harder than another which may also lead to sudden air loss.

DUAL MATCHING LIMITS

TIRE CONSTRUCTION	DIAMETER	CIRCUMFERENCE
Radial	0 to ¼"	0 to ¾"



Tires within ¼" diameter are permitted. Diameters greater than ¼" is too great to be properly matched.
Each ½" OD = 1.56" of difference in circumference.

MEDIUM TRUCK APPROVED RIM WIDTH AND MINIMUM DUAL SPACING

TIRE SIZE	APPROVED RIM WIDTH	MINIMUM DUAL SPACING*
TUBE-TYPE		
11.00R24	8.5, 8.50VM, 8.0 , 7.5	13.2
12.00R24	9.0, 8.5 , 8.50VM, 8.0	14.1
TUBELESS		
9R17.5HC	6.75HC	10.3
215/75R17.5	6.00HC , 6.75HC	9.3
245/70R17.5	6.75 , 7.50	10.6
8R19.5	5.25, 6.00 , 6.00RW, 6.75, 6.75RW	9.1
9R22.5	6.00, 6.75 , 7.50	10.3
10R22.5	6.75, 7.50 , 8.25	11.4
11R22.5	7.50, 8.25	12.5
12R22.5	8.25, 9.00	13.5
225/70R19.5	6.00, 6.00RW, 6.75 , 6.75RW	10.0
245/70R19.5	6.75, 6.75RW, 7.50 , 7.50RW	11.0
265/70R19.5	7.50 , 7.50RW, 8.25, 8.25RW	11.6
285/70R19.5	7.50, 8.25 , 9.00	12.5
305/70R19.5	9.00 , 8.25, 8.25RW	13.5
445/65R19.5	13.00 , 14.00	N/A
245/75R22.5	6.75, 7.50	11.0
255/70R22.5	7.50 , 8.25	11.3
265/75R22.5	7.50 , 8.25	11.6
275/70R22.5	7.50, 8.25 , 9.00	12.2
295/80R22.5	8.25, 9.00	13.2
295/75R22.5	8.25, 9.00	13.2
315/80R22.5**	8.25, 9.00, 9.75	13.8
385/65R22.5	11.75 , 12.25	N/A
425/65R22.5	11.75, 12.25 , 13.00	N/A
445/50R22.5	14.00	N/A
445/65R22.5	13.00 , 12.25, 14.00	N/A
11R24.5	7.50, 8.25	12.5
12R24.5	8.25, 9.00	13.5
285/75R24.5	8.25	12.5

The listed Minimum Dual Spacing is for the rim which the tire was specifically designed for. If a different rim is being used, the Minimum Dual Spacing must be adjusted as follows: Overall widths and new tire section widths will be changed 0.10" for each 0.25" change in rim width. Use only alternate rims when the recommended rims cannot be used.

Design Rim Width shown in **boldface** type

* Minimum Dual Spacing is listed for the design rim width. If design rim not used Minimum Dual Spacing must be adjusted per note 1 (below) for other rim widths.

** 8.25-rim may be used if tire load is limited to 8,000 lb single and 7,610 lb dual @ 120 psi. The minimum dual spacing for 8.25-rim is 13.2". Do not exceed manufacturer's recommended maximum load and inflation.

Notes:

- New tire section widths and overall widths will change 0.10" for each 0.25" change in rim width.
- Use alternate rims only when recommended rims cannot be used.
- Do not use different rim widths in dual applications.