TRUCK AND TRAILER

Alcoa 14-Inch Wide Base Wheels Wider selection. Wider profit margins.

Alcoa aluminum 14-inch wide base wheels – increase your profit potential.

Outfitting your truck with Alcoa 14-inch wide base wheels in place of your dual wheels means you'll save big on weight* – 318 pounds per axle, to be specific. That's up to 1,272 pounds for your whole rig. Because Alcoa aluminum 14-inch wide base wheels weigh only 71 pounds each and are load rated up to 12,800 pounds, you get the most out of your payload – and your profit potential.

But weight isn't the only reason to choose a wide base configuration. Additional benefits include:

- **Fuel efficiency.** Wide base wheel and tire assemblies feature tires with half as many flexing sidewalls as a set of duals. Tire manufacturers tell us that less flexing leads to greater fuel efficiency. Some fleets have experienced savings of 3 7 percent.
- **Tire durability.** Tire manufacturers report that today's advanced low-profile wide base tires deliver comparable durability, wear resistance, handling stability and wet performance to standard tires.**
- **Cooler running.** Heat damages brakes. Switching to Alcoa 14-inch wide base aluminum wheels means your brake package will run cooler and last longer.
- Lower maintenance costs. With a complete Alcoa 14-inch wide base wheel configuration, you'll have only four wheels to mount and maintain instead of eight. And, with no inner wheel to worry about, inflation and visual inspection becomes much faster so you're on the road longer.
- **One-piece forged strength.** We make Alcoa wide base wheels with the same technology we use to make forged aluminum wheels for jumbo jets and military tanks. Forging aligns the metal grain so it flows along the contours of the wheel for maximum strength.
- Alcoa shine. All Alcoa forged aluminum wheels resist corrosion, so the good looks last with no painting. Your maintenance costs will go down, while your wheels keep looking great. Available with Dura-Bright® finish.

With a full line of aluminum wheel products, Alcoa is the leader in aluminum wheels. So, let the company that invented the first aluminum truck wheel in 1948 take you into the next generation of aluminum wheel technology.





** Different applications and vehicle configurations will affect tire mileage

www.alcoawheels.com

WHEEL SPECIFICATIONS

Alcoa aluminum disc wheel mounting dimensions are consistent with SAE Recommended Practice J694 February 2001. Part numbers listed for all sizes are satin finish. Polished finishes are indicated by changing the last digit of the part number listed to one of the following. For polished outside only, part number should end in "1" or "2."



Dura-Bright[®] wheels with XBR[™] Technology surface treatment are identified by using the regular numerical part number and the addition of "DB" at the end. Finishes are indicated by changing the last numerical digit of the part number to one of the following. For both sides, the number is "0." Outside only, the number is "1" or "2." Currently, only the wheel item numbers marked with "DB" are available with the Dura-Bright[®] surface treatment.

CLASSIC TUBELESS WHEELS (round hand holes) (ENGLISH UNITS)										
ltem no.	Wheel description	Maximum wheel load ¹ in pounds	Wheel wt. Ibs.	Outset inches ³	Inset inches	Maximum inflation PSI – cold	Valve stem	Part number ²	Available finishes	Rear outer cap nuts
10-hole, stud located, ball seat mounting – 11.25 in. bolt circle, 8.73 in. hub bore, 1.219 in. bolt hole dia. DiscMate: 3/4" - 016000, 1-1/8" 017000 Lug nut covers: 150 Hub covers: Front - 076015, Rear - 077015										
††8	22.5x14.00-15°DC	12,800	71	2.0	-	130	TR543E	841100	0, 2	3/4" Stud 5995 L&R, 1-1/8" Stud 5996 L&R
Eight-hole, hub piloted mounting – 275mm bolt circle, 221.1mm hub bore, 26.75mm bolt hole dia. (use two-piece flange nuts) DiscMate: 014000 Lug nut covers: 181 Hub covers: N/A										
††12	22.5x14.00-15°DC	12,800	71	2.0	-	130	TR543E	841400	0, 2	39874
10-hole, hub piloted mounting – 285.75mm bolt circle, 220.1mm hub bore, 26.75mm bolt hole dia. (use two-piece flange nuts) DiscMate: 011000 Lug nut covers: 181 Hub covers: Rear - 077018 or 077085‡										
††25	22.5x14.00-15°DC	12,800	71	2.0	-	130	TR543E	841600	0, 2, 0DB, 2DB	39874
*††26	22.5x14.00-15°DC	12,800	71	1.13	0	130	TR545E outset TR543E inset	841610	0, 1, 2, 9, 0DB, 1DB, 2DB, 9DB	39874

Do not exceed maximum wheel load. Customer must compare OEM vehicle load rating to maximum wheel load rating. Do not overinflate. Refer to tire manufacturer's recommendation for proper tire pressure. Before mounting the tire, perform a wheel fitment check to ensure proper clearance from any obstructions.

- Capacity ratings as single in highway service bias-ply or radial.
- 2 Some wheels may bear part numbers not shown in this manual. Before servicing these wheels, contact your Alcoa wheel representative for proper load, inflation and part compatibility information.
- Comparison of the matchine of the set of
- * Part numbers should end in "1" for polished outset position, "9" for satin finish outset position, and "0" or "2" when used in an inset position.
- 11 Check with vehicle manufacturer or axle manufacturer before retrofitting to outset wide base wheels to ensure compatibility with axle and wheel end components. Part numbers 841100, 841400 and 841600 are not recommended for use on N spindle trailer axles.
- [‡] Hub cover system kit P/N 077085 (rear) contains screw-on Hug-a-Lug® nut covers and requires a minimum of four threads of the stud to extend above the tightened cap nut for use.

Dura-Bright[®] wheels with XBR[™] Technology surface treatment option **shine without polishing.** Just wash with soap and water – do not polish or clean with abrasives. For more information, call 800.242.9898 option 6 or visit **www.alcoawheels.com/durabrightxbr.**



Dura-Bright[®] is a federally registered trademark of Alcoa Inc. ©2007 Alcoa Inc. alc-2091