

ALCOA DURA-FLANGE® WEAR PROTECTION WHEELS

Specially treated to reduce or eliminate rim flange wear.

Alcoa Dura-Flange® wear protection wheels have half the rim flange wear of traditional aluminum wheels – or less.

Alcoa Dura-Flange® wear protection wheels have a proprietary treatment on the wheel rim that provides a protective shield to prevent rim wear. This design feature makes Dura-Flange® wear protection wheels most appropriate for applications where loads are heavy and prone to shifting, causing tire walls to rub against the wheel rims. Alcoa Dura-Flange® wear protection wheels are the only aluminum wheels on the market today that are protected from this type of wear, giving them at least double the life of other aluminum wheels in applications like transit bus, tanker and heavy hauling. And, in heavy hauling applications, Dura-Flange® wear protection wheels can also be specified to extend the life of severe service wheels.

By improving wheel durability and wear resistance, Alcoa Dura-Flange® wear protection wheels offer enhanced performance and productivity – and delay replacement costs for many more miles.

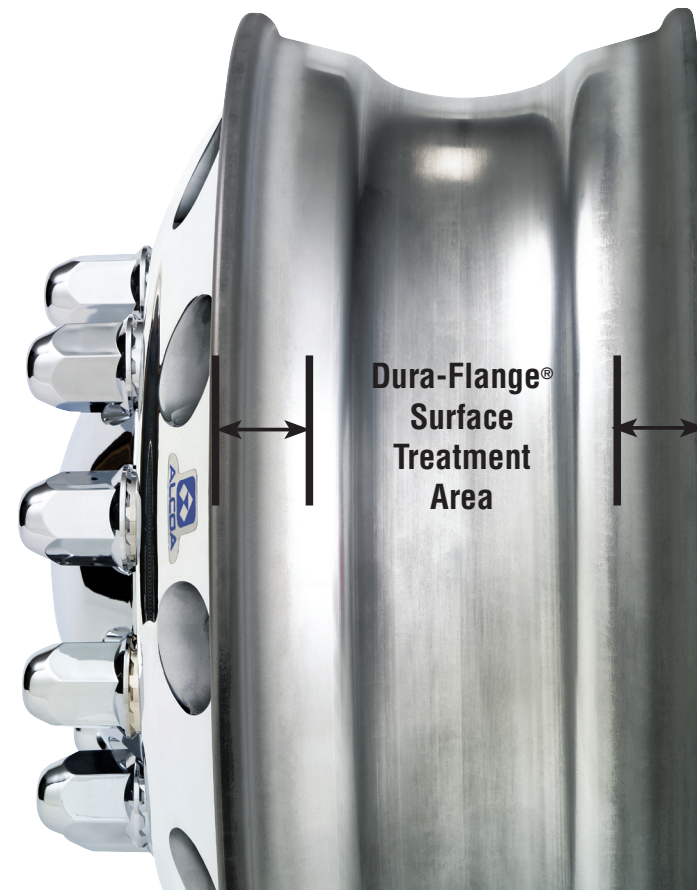
- Road test results: We put Dura-Flange® wear protection wheels to the test and found that after 240,000 miles, there were no signs of rim flange wear.

Along with protection against rim flange wear, you get all the advantages you've come to expect from Alcoa aluminum wheels, including:

- Less weight for increased payload and greater fuel efficiency.
- Better heat dissipation for extended tire and brake life.
- Higher resale value.
- One-piece, forged-in strength.
- The widest selection of wheels and wheel accessories in the industry.
- The same five-year limited warranty on the wheels, along with a two-year warranty on the flange treatment. Check with your Alcoa representative for full details or contact Alcoa at 800.242.9898.

You can depend on the company that invented the first practical aluminum wheel in 1948 to come up with Dura-Flange® wear protection wheels. At Alcoa, we listened to your needs and developed a solution to rim wear.

Dura-Flange® is a federally registered trademark of Alcoa Inc.
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**Dura-Flange®
Wear Protected**

Look for this sticker on the wheel and a "DF" suffix on the part number. These guarantee that the wheel has been treated with Dura-Flange® surface treatment for reduced rim flange wear.


ALCOA
WHEELS

SMART. STRONG.

www.alcoawheels.com/duraflange

DURA-FLANGE® WEAR PROTECTION 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." For polished inside only, part number should end in "2." For polished both sides, part number should end in "3." Valve hole is on the inside. Only for item numbers marked with an asterisk(*), part numbers ending in "9" are inset position wheels satin finished (see footnote). Dura-Flange® wear protection wheels are identified by using the regular numerical part number and the addition of "DF" at the end.

CLASSIC TUBELESS WHEELS (round hand holes) – ENGLISH UNITS																	
Item no.	Wheel description	Maximum wheel load ¹ in lbs.	Wheel wt. in lbs.	Outset inches ²	Inset inches	Maximum inflation PSI – cold	Valve stem	Part number ²	Available finishes	DiscMate™	Stabilizer	Front outer cap nuts	Rear inner cap nuts A/AI	Rear inner cap nuts A/StI	Rear outer cap nuts	Lug nut covers	Hub cover system kits front/rear
Eight-hole, hub piloted mounting – 275mm bolt circle, 221.1mm hub bore, 26.75mm bolt hole dia. (use two-piece flange nuts)																	
1	22.5x8.25-15°DC	7400	50	6.66	5.82	130	TR544D	883440DF	0, 1, 2, 0DF, 1DF, 2DF	014000	8344	39874	-	-	39874	181	-
10-hole, hub piloted mounting – 285.75mm bolt circle, 220.1mm hub bore, 26.75mm bolt hole dia. (use two-piece flange nuts)																	
2	22.5x8.25-15°DC	7400	48	6.66	5.81	130	TR544D	883640DF	0, 1, 2, 3, 0DB, 1DB, 2DB, 3DB, 0DF, 1DF, 2DF, 3DF	011000	8364	39874	-	-	39874	181	Front - 076018 or 076085 Rear - 077018 or 077085
‡	22.5x8.25-15°DC	8000	55	6.66	5.69	130	TR543C	885600DF	0, 1, 2, 0DF, 1DF, 2DF	011000	-	39874	-	-	39874	181	Front - 076018 or 076085 Rear - 077018 or 077085
*4	22.5x12.25-15°DC	11,400	66	3.88	2.75	130	TR543E outset TR545E inset	823650DF	0, 1, 2, 9, 0DB, 1DB, 2DB, 9DB, 0DF, 1DF, 2DF, 9DF	011000	-	39874	-	-	39874	181	Front - 076018 or 076085 Rear - 077018 or 077085
5	22.5x12.25-15°DC	11,000	71	5.8	4.68	130	TR542	823640DF	0, 1, 0DB, 1DB, 0DF, 1DF	011000	-	39874	-	-	39874	181	Front - 076018 or 076085
6	22.5x9.00-15°DC	9000	60	6.94	6.04	130	TR544D	893640DF	0, 1, 2, 0DB, 1DB, 2DB, 0DD, 1DD, 2DD, 0DF, 1DF, 2DF	011000	8964	39874	-	-	39874	181	Rear - 077018 or 077085
7	24.5x8.25-15°DC	7400	56	6.6	5.73	130	TR545D	983640DF	0, 1, 2, 0DB, 1DB, 2DB, 0DF, 1DF, 2DF	011000	9364	39874	-	-	39874	181	Front - 076018 or 076085 Rear - 077018 or 077085
‡8	24.5x8.25-15°DC	8000	65	6.6	5.63	130	TR545D	985600DF	0, 1, 2, 0DF, 1DF, 2DF	011000	2245	39874	-	-	39874	181	Front - 076018 or 076085 Rear - 077018 or 077085
10-hole, hub piloted bus mounting – 11.25 in. bolt circle, 8.670 in. hub bore, 1.219 in. bolt hole dia. (use two-piece flange nuts)																	
9	22.5x8.25-15°DC	7300	53	6.66	5.82	120	TR545D	883610DF	0, 3, 0DB, 3DB, 0DF, 3DF, 0DD, 3DD	015000	2225	-	-	-	-	182	-
10-hole, hub piloted mounting – 335mm bolt circle, 281.2mm hub bore, 26.75mm bolt hole diameter (use two-piece flange nuts)																	
10	2.25x8.25-15°DC	8047 (3650)	52.0 (23.6)	6.57 (167)	5.70 (145)	138 (952)	70MS7	886520DF	0, 3, 0DB, 3DB, 0DF, 3DF	013000	-	39874	-	-	39874	181	-
10-hole, hub piloted mounting – 335mm bolt circle, 281.2mm hub bore, 32.87mm bolt hole diameter (use two-piece sleeved cap nuts)																	
11	22.5x8.25-15°DC (32mm bolt hole)	8047 (3650)	52.0 (23.6)	6.57 (167)	5.70 (145)	138 (952)	70MS7	886510DF	0, 3, 0DB, 3DB, 0DF, 3DF	018000	-	4306.32	-	-	4307.32	-	-

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. Valve hole is on the inside unless noted otherwise.

¹ Capacity ratings as dual or 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.

³ Outset (positive)/inset (negative) – The distance from the rim centerline to the mounting face of wheel. Inset (negative) places the rim centerline inboard of the wheel mounting face, and outset (positive) places the rim centerline outboard of the wheel mounting face (1/2 dualspacing = offset).

* Part numbers should end in "1" or "9" when used in an inset position and "0" or "2" when used in an outset position.

‡ P/Ns 885600 and 985600 are Alcoa Severe Service Wheels.

Dura-Bright® wheels with XBR™ Technology surface treatment wheels are identified by using the regular numerical part number and the addition of "DB" at the end. Wheels designated with "DD" maintain both Dura-Bright® with XBR™ Technology and Dura-Flange®