

**ALCOA**

Alcoa is the premier name in the world of forged aluminium wheels for truck, trailer, bus and coach. Delivering the great professional look of an alloy wheel in combination with significant weight saving benefits and the strength of a quality forged aluminium wheel makes Alcoa stand above the rest.

On or off-road, our wheel end solutions leads in both quality and reliability to ensure trusted performance in the most challenging of environments - all supported by the Transpecs team New Zealand-wide.



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## ALCOA RANGE PROFILE

**Alcoa Ultra ONE® Wheel with MagnaForce®****UNMATCHED STRENGTH  
AND UNPRECEDENTED  
WEIGHT SAVINGS****The Invention of MagnaForce®**

Proprietary MagnaForce® alloy offers a 17% increase in strength over existing alloys for unmatched strength that delivers unprecedented weight savings.



Alcoa Ultra ONE® Wheels with MagnaForce® alloy are now available in more sizes. Proprietary MagnaForce® alloy technology helps shed even more weight, making each wheel the lightest in the industry. The result? You can haul more every time you hit the road. And that's a nice lift to your bottom line.





## ALCOA RANGE PROFILE



## Alcoa Dura-Bright® EVO Wheels

## NO MORE POLISHING

Alcoa's third generation Dura-Bright® Wheels feature a new and improved surface treatment that stands stronger against tough conditions without the need to polish, and is better for the environment. And when it's time to clean, a simple soap and water wash gets you back on the road.

With a lower surface energy, less dirt and road grime sticks to the wheel. And because patented Dura-Bright® EVO penetrates the aluminium, these wheels keep their shine and stay looking newer for longer, even after hundreds of washes\* and thousands of kilometers.

## Count On Your Wheels Looking Great For The Long Run.

With a lower surface energy, less dirt and road grime stick to the wheel. And because patented Dura-Bright® EVO penetrates the aluminium, these wheels keep their shine and stay looking newer for longer, even after hundreds of washes\* and thousands of miles.

10x more resistant to corrosion caused by road salts and weather elements

3x more resistant to harsh chemicals

## Additional Benefits of all Alcoa Aluminium Wheels:

- One-piece forged aluminium that's 5x stronger than steel
- True cool running extends tyre and brake life
- Five-year limited warranty for additional peace-of-mind
- 10x more resistant to corrosion caused by road salts and weather elements
- 3x more resistant to harsh chemicals

## Breakthrough Technology

On ordinary wheels, a coating is typically applied as a layer that sits on top of the wheel surface. When scratched, water and salt can penetrate the coating, resulting in corrosion and further deterioration.

With Dura-Bright® EVO Wheels, the patented treatment actually penetrates the aluminium, forming a molecular bond that becomes an integral part of the wheel. It prevents cracking, peeling and filiform corrosion often seen on coated wheels.



\* Alcoa Dura-Bright® Wheels should be cleaned in accordance with the Alcoa Dura-Bright® Cleaning Guide.



ALCOA WHEEL TECHNICAL DATA

Wheel Size	Part No.	Replaces	Weight kgs	Max Load kgs	Offset mm	Inset mm	Disc Thickness mm	Stud Hole Dia mm	Number of Stud Holes	PCD mm	Centre Bore Dia mm	Mounting Type	POLISH							Dura-Bright					Dura-Flange							D/D			
													0	1	2	3	7	8	9	0	1	2	3	7	9	0	1	2	3	7	8	9	0	1	2
17.5" Wheels																																			
17.5 x 6.00	66313		11.3	1750	135.8	117.8	18	32.5	6	222	164	Stud				X																			
17.5 x 6.00	66320		12.7	2500	133.0	113.9	19	26.5	10	225	176	Hub			X	X																			
17.5 x 6.75	66348	66347	12.2	2500	141.0	123.2	18	24.8	8	275	221	Hub			X		X																		
19.5" Wheels																																			
19.5 x 6.00	76332		15.7	1900	135.0	117.1	18	32.5	6	222	164	Stud				X																			
19.5 x 6.75	76335		16.7	2500	147.0	125.4	22	32.5	8	285	221	Stud				X																			
19.5 x 6.75	76641		17.2	2500	147.0	126.7	20	32.7	8	275	221	Bore				X																			
19.5 x 7.50	77345		17.8	3000	154.9	134.1	21	32.8	8	275	221	Hub	X		X	X	X				X	X			X								X		
19.5 x 7.50	77346		17.9	3000	154.9	134.1	21	30.8	8	275	221	Hub				X																			
19.5 x 7.50	77347		18.0	3000	154.9	134.1	21	24.7	8	275	221	Hub			X	X	X				X														
19.5 x 7.5RW	77362	77360	17.1	3040	155.0	132.8	22	26.7	10	286	220	Hub			X		X				X														
19.5 x 8.25	78345		18.6	3150	167.6	146.8	21	32.8	10	275	221	Hub	X				X																		
19.5 x 8.25	78346		18.6	3150	167.6	146.8	21	30.8	8	275	221	Hub					X																		
19.5 x 8.25	78347		18.8	3150	167.6	146.8	21	24.8	8	275	221	Hub					X																		
19.5 x 14.00	74852		21.6	4500	120		25.4	26.0	10	335	281	Hub								X															
19.5 x 14.00	74340		23.7	4500	N/A	0.0	25	26.7	8	275	221	Hub			X							X													
22.5" Wheels																																			
22.5 x 7.50	87334		25.5	3450	162.0	137.6	24	32.5	8	285	221	Stud				X																			
22.5 x 7.50	87340		24	3310	159.5	138.0	21	26.7	8	275	221	Hub					X																		
22.5 x 8.25	88311	88310, 88300	23.6	3265	169.0	144.1	25	31.0	10	286	222	Stud										X													
22.5 x 8.25	88334		25.7	3650	165.0	140.6	24	32.5	8	285	221	Stud				X																			
22.5 x 8.25	88367	88364, 88362, 88360	20.2	3355	167.6	147.1	20	26.7	10	286	220	Hub					X			X	X														
22.5 x 8.25	88251	88651, 88555, 88455	23.1	3750	167.6	145.9	22	32.8	10	335	281	Hub				X	X				X														
22.5 x 8.25	88252	88652, 88557, 88553(NA), 88456	23.2	3750	167.6	145.9	22	26.8	10	335	281	Hub				X	X				X														
22.5 x 8.25	88253	88653, 88457	23.2	3750	167.6	145.9	22	26.3	10	335	281	Hub	X			X																			
22.5 x 8.25	ULTRA		18.6	3355	167.6	148.6	19	26.7	10	286	220	Hub					X																		
22.5 x 9.00	89U63	89365, 89363	22.3	4535	N/A	79.2	23	26.7	10	286	220	Hub		X						X															
22.5 x 9.00	89U64	89465, 89464, 89364, 89360	25.4	4535	176.3	152.3	24	26.7	10	286	220	Hub								X		X													
22.5 x 9.00	89251	89651, 89555, 89455	23.5	4125	176.0	154.3	22	32.8	10	335	281	Hub				X					X														
22.5 x 9.00	89252	89652, 89553, 89453	23.7	4125	176.0	154.3	22	26.8	10	335	281	Hub									X														
22.5 x 11.75	81151	81655, 81555	23.2	4500	N/A	135.0	24	32.7	10	335	281	Hub		X						X															
22.5 x 11.75	81252	81052, 81354	21.0	4750	N/A	0.0	21	26.7	10	335	281	Hub	X		X						X														
22.5 x 11.75	81452	81258	25.9	5000	N/A	135.0	26	26.7	10	335	281	Hub		X						X															
22.5 x 11.75	81851	81751, 81755, 81558	22.5	4500	N/A	120.0	25	32.7	10	335	281	Hub		X						X															
22.5 x 11.75	81855	81951	24.8	5000	N/A	120.0	25	32.7	10	335	280	Hub		X						X															
22.5 x 11.75	81856	81952	24.9	5000	N/A	120.0	25	26.7	10	335	281	Hub		X						X															
22.5 x 11.75	81853	81953	24.9	5000	N/A	120.0	25	26.3	10	335	281	Hub								X															
22.5 x 12.25	82262	82360	27.4	5580	14.3	N/A	29	26.7	10	286	220	Hub					X																		
22.5 x 12.25	82362	82365	28.2	5580	98.4	69.9	29	26.7	10	286	220	Hub		X																					
22.5 x 12.25	82462	82364, 82366A	30.3	5580	N/A	118.9	29	26.7	10	286	220	Hub		X						X															
22.5 x 14.00	84154		30.8	5800	28.6	0.0	29	26.7	10	335	281	Hub									X														

Surface Option Codes

The finish for Alcoa Wheels is specified by replacing the 6th digit “x” shown in the part number with the appropriate finish option.



Finishes are defined as:

- 0 - Brushed finish on both sides as applicable
- 1 - Polished outside only
- 2 - Polished inside only (same side as roll stamp)
- 3 - Polished both sides
- 7 - LVL ONE® finish on both sides as applicable

Dura-Family Surface Treatments

**Dura-Bright® Wheels** are identified by adding “DB” at the end of the regular part number.

**Dura-Flange®** Wear Protection Wheels are identified by adding “DF” at the end of the regular part number.

Available options for each part number are defined in the Surface Treatment Codes column.

Additional Information

- Before mounting the tyre, perform a wheel fitment check to ensure proper clearance from obstructions.
- Outset (positive) / inset (negative) – The distance from the rim centerline to the mounting face of the wheel. Inset (negative) places the rim centerline inboard of the mounting face and outset (positive) places the rim centerline outboard of the wheel mounting face. (Outset is also half dual space for dual wheels.)
- Wheel Fitment: Refer to Service Manual for Alcoa Wheels.





## ALCOA WHEEL ACCESSORIES

**Alcoa® One-Piece Hub Cover System with Retention Nuts (for 10-Hole, 285.75mm, 22.5" and 24.5" Wheels)****New! Improved Retention. Fits More Applications.**

This new one-piece design improves on our classic system to meet the needs of today's trucks. The improved retention nut system ensures proper fitment and the taller lug nut towers accommodate a wider variety of applications including wide base wheels, disc brakes, and other new truck trend variations. Offered in both front and rear applications, each system is designed to fit 10-hole hub piloted wheels (285.75mm, 22.5" and 24.5").

Part No.	Description:	Wheel Type	Finish
088100S	Front Axle Kit includes: Two front covers, six retention nuts, and one removal tool. Use a short handle rubber mallet for installation. Requires a minimum of 3 threads per stud.	Hub Piloted	Chrome
089100S	Rear Axle Kit Includes: Two rear covers, six retention nuts, and one removal tool. Use a short handle rubber mallet for installation. Requires a minimum of 3 threads per stud.	Hub Piloted	Chrome

**Alcoa® One-Piece Hub Cover System for 10 Hole, 285.75mm and 22.5"**

Part No.	Description:	Wheel Type	Finish
086100S	Front Axle Kit includes: Two front covers and one removal tool.	Hub Piloted	Chrome
087100S	Rear Axle Kit includes: Two rear covers and one removal tool.	Hub Piloted	Chrome
000800	Removal Tool		

**Alcoa® Wheel Hub Cover Kit - suits Screw on Nut Cover**

Part No.	Description:	Wheel Type	Nut Cover
076185*	Hub Piloted Hub Covers - includes 1 Hub Cover, 10 Screw on Hug-A-Lugs, 1 Wrench Fitting: Cover is secured by screwing the 001851 directly onto stud threads.	Hub Piloted	33mm - 001851
077185*	Hub Piloted Hub Covers - includes 1 Hub Cover, 10 Screw on Hug-A-Lugs with Clamps, 1 Wrench Fitting: Cover is secured by screwing the 001881 onto the inner clamp. Inner clamp is placed on stud threads.	Hub Piloted	33mm - 001851

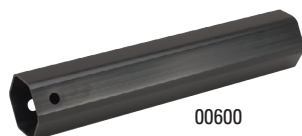
\*Require a minimum of 4 threads per stud for fitting

**Alcoa® Wheel Hub Cover Kit - suits Clamp type Cover**

Part No.	Description:	Wheel Type	Nut Cover
077188	Hub Piloted Hub Covers - includes 1 Hub Cover, 10 Screw on Hug-A-Lugs with Clamps, 1 Wrench Fitting: Cover is secured by screwing the 001881 onto the inner clamp. Inner clamp is placed on stud threads.	Hub Piloted	33mm - 001881
076188	Hub Piloted Hub Covers - includes 1 Hub Cover, 10 Screw on Hug-A-Lugs with Clamps, 1 Wrench Fitting: Cover is secured by screwing the 001881 onto the inner clamp. Inner clamp is placed on stud threads.	Hub Piloted	33mm - 001881



## ALCOA WHEEL ACCESSORIES

Alcoa® Hub Cover System  
Cap Nut Cover Wrench

00600

Part No.	Description:	Finish
00600	Cap Nut Cover Wrench for Hub Piloted Hug-A-Lugs	Chrome



001851

Alcoa® Hug-A-Lug Nut Covers  
33mm Hex 2 Piece Flange Nuts (Hub Piloted Wheel)  
Heights 27-31mm (Supplied Each)

Part No.	Description:	Finish
001851	For 33mm Wheel Nut - Screw Direct Onto 22mm	Chrome
000181	For 33mm Wheel Nut - Push-on Type	Chrome
001881	Off-White Interlocking Clip	Off White



BALGRIP



BALCOVSS33

## Alcoa® Stainless Steel Nut Covers

Part No.	Description:	Finish
BALCOV32	Branded Nut Cover Suit Retro-Fit 32mm Nuts	S/S
BALCOV33	Branded Nut Cover Suit Retro-Fit 33mm Nuts	S/S
BALGRIP	Pliers for Stainless Steel Wheel Nut Covers	

Alcoa® Hug-A-Lug Covers for  
1.5" Hex Nut (Ball Seat, with clamps)

Part No.	Description:	Finish
001551	For 1.5" Hex Ball Seat Nut, with clamps	Chrome

Alcoa® ISO Retro Fit Sleeve Nuts  
Steer Wheels ISO Retro Fit Sleeve Nuts  
- Dacromet Treated

Part No.	Description:
B5780/32	M22 x 1.5mm - 32mm Dia/Hex Head Short Sleeve Nut - Single Wheel
B6142	M20 x 1.5mm Short Sleeve Nut for Single Steer Wheel
5784.32.00	7/8" -11 BSF Sleeved Nut for Single Mounting Scania with 32mm Bolt Holes

Alcoa® Rear Wheels ISO  
Retro Fit Sleeve Nuts  
- Dacromet Treated

Part No.	Description:
B5781/32	M22 x 1.5mm Long Sleeve Nut for Dual Rear Wheels
B6143	M20 x 1.5mm Long Sleeve Nut for Dual Rear Wheels
5785.32.00	7/8" -11 BSF Sleeved Nut for Dual Mounting Scania with 32mm Bolt Holes

Alcoa® Cap Nuts for Ball  
Seat Wheels Outside  
Front Wheel Nuts

Part No.	Description:
NF24-R	24mm x 1.5mm - Front, Right Hand Thread Wheel Nut
NF24-L	24mm x 1.5mm - Front Left Hand Thread Wheel Nut
37891R	1-1/8" x 16 - Right Hand Wheel Nut
37892L	1-1/8" x 16 - Left Hand Wheel Nut
NF20-R	20mm x 1.5mm - Right Hand Wheel Nut
NF20-L	20mm x 1.5mm - Left Hand Wheel Nut



## Alcoa® Inside Rear Wheel Nuts

Part No.	Description:
5978R	3/4" x 16 & 1-1/8" x 16 Right Hand Inner Cap Nut
5978L	3/4" x 16 & 1-1/8" x 16 Left Hand Inner Cap Nut
NR20-R	20mm x 1.5mm & 30 x 1.5mm Right Hand Inner Cap Nut
NR20-L	20mm x 1.5mm & 30 x 1.5mm Left Hand Inner Cap Nut
407422	M22 x 1.5" 26mm E-Z Mount Sleeve