

PRODUCT SPEC GUIDE 2024



THE LIGHTEST 19.5"
TRAILER WHEEL IN THE
MARKET WITH THE LATEST
INNOVATIVE TECHNOLOGIES



19.5" x 7.5" Trailer Wheel

32mm bolt hole

UNMATCHED STRENGTH

AT AN UNBEATABLE WEIGHT



NO MORE POLISHING

Alcoa Dura-Bright® EV© Wheels



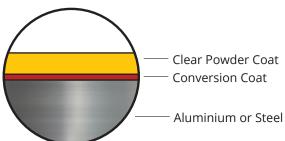
THE SURFACE TREATMENT YOU CAN COUNT ON TO KEEP YOUR WHEELS LOOKING GREAT FOR THE LONG RUN.

Dura-Bright[®] EVO Wheels feature a new and improved surface treatment that stands stronger against tough conditions – without the need to polish. And when it's time to clean, a simple soap and water wash gets you back on the road.

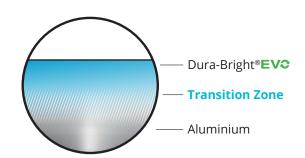


BREAKTHROUGH TECHNOLOGY

CONVENTIONAL



DURA-BRIGHT® EV



UNBEATABLE RESILIENCE

10x more resistant to corrosion caused by road salts and weather elements
 3x more resistant to harsh chemicals

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.

Patented Dura-Bright® EVO 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.

The benefits to you? Wheels that keep their shine and stay looking newer for longer, even after hundreds of washes* and thousands of miles.

ALL ALCOA ALUMINIUM WHEELS HAVE



Best-in-Class Warranty



Increase Payload. Improve Fuel Efficiency.



Easier, faster and safer maintenance.



Best-in-Class customer service and training



Lightest, Strongest and Largest Family of Aluminium Wheels



Stronger than Steel One-piece forged Aluminium



Increased Resale Value & 100% Recyclable

^{*} Alcoa Dura-Bright® EVO Wheels should be cleaned in accordance with the Alcoa Dura-Bright® Cleaning Guide.



SURFACE OPTION CODES

Alcoa aluminium disc wheel mounting dimensions are consistent with SAE J694 or ISO 4107 as applicable. 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:

- 1 Polished outside only
- 2 Polished inside only (same side as roll stamp)
- 3 Polished both sides
- 0 Brushed finish on both sides as applicable* 7 LvL ONE® finish on both sides as applicable*
 - 8 LvL ONE® finish on both sides (reference data table for offset position)
 - 9 Brushed finish on both sides (reference data table for offset position)

*0 and 7 finish options are determined by inset or outset mounting positions and may not be finished on both sides. Reference the Technical Data overleaf for offset position and available finish options.



Dura-Black™ Wheels are identified by adding "BLK" at the end of the regular part number.

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.

The Dura-Bright® and Dura-Flange® Wear Protection options together are identified by the "DD" suffix.

Available options for each part number are defined in the Available Finishes column.

Additional Information:

- Dura-Bright® Wheels shine without polishing. Just wash with soap and water.
- Do not polish or clean Dura-Bright® Wheels with abrasives. Do not clean any Alcoa wheels with abrasives.
- Do not exceed maximum wheel load. Always compare OEM vehicle load rating to maximum wheel load rating.
- Do not overinflate. Refer to tyre manufacturer's recommendation for proper tyre pressure.
- Before mounting the tyre, perform a wheel fitment check to ensure proper clearance from obstructions.
- Some wheels may bear part numbers not shown in this Spec Guide. Before servicing these wheels, contact your Howmet Wheel Systems wheel representative for proper load, inflation and part compatibility.
- Offset The distance from the rim centerline to the outside of mounting face of the wheel. Inset is the distance from the centerline to the inside of mounting face of the wheel.
- Check with vehicle manufacturer or axle manufacturer before retrofitting to outset wide base wheels to ensure compatibility with axle and wheel end components. P/N 84U62x is not recommended for use on N-Spindle trailer axles.
- To access the Alcoa Wheel Service Manual use this hyperlink: https://transpecs.co.nz/assets/pdfdocuments/alcoa/service-manual/Alcoa-Wheels-Service-Manual-2017.pdf
- Details about accessories can be found on pages 7-9.





TECHNICAL DATA ALCOA® WHEELS

AVAILABLE FINISHES

ELS		T.	1		1		1	1	T	1	r		1	T				Α	VAIL	ABL	E FI	NISHE	:S		 	_
Wheel Size	Part Numbei	Replaces	Weight Kgs		Offset (mm)			Stud Hole Dia (mm)	Number of Stud Holes	PCD (mm)	Centre Bore Dia (mm)	Mounting Type	Origin	P	olish				a-Brig				-Flange		D/D 2 3	
17.5 " Wheels																								\dashv	 	_
17.5 x 6.00	66313		11.2	1750	135	117	18	JIS	6	222	164	Stud	Japan,USA)	X										1
17.5 x 6.00	66320		12.7	2500	133	114	19	ISO Φ 26	10	225	176	Hub	Japan			X										
17.5 x 6.75	66348	66347	12.2	2500	141	123	18	ISO Φ 24		275	221	Hub	USA				X									Ī
19.5 " Wheels																										-
19.5 x 6.00	76332		15.9	1900	135	117	18	JIS	6	222	164	Stud	Japan,USA)	Х										Ī
19.5 x 6.75	76335		16.9	2500	147	125	22	JIS	8	285	221	Stud	Japan)	X			П					П		-
19.5 x 6.75	76641		17.3	2500	147	127	20	ISO Φ 32	8	275	221	Hub	Japan)	Х										Ī
19.5 x 7.50	77U45	77345, 77645	16	3150	155	134	21	ISO Φ 32	8	275	221	Hub	Hungary				x			Х)	X				i
19.5 x 7.50	77647	Replacements only	16.2	3000	155	134	21	ISO Φ 24	8	275	221	Hub	Hungary				X									ĺ
19.5 x 7.50	77U47	77347, 77647	16.2	3150	155	134	21	ISO Φ 24	8	275	221	Hub	Hungary				X		П	Х						-
19.5 x 7.5RW	77362	77360	17.1	3040	155	133	22	ISO Φ 26	10	285	220	Hub	Hungary				X		Х							ĺ
19.5 x 14.00	74852		21.6	4500	145		25	ISO Φ 26	10	335	281	Hub	Hungary					Х								Ī
19.5 x 14.00	74340		23.7	4500	25		25	ISO Φ 26	8	275	221	Hub	Hungary		Х				Х							I
22.5 " Wheels															•	•				•						Ī
22.5 x 8.25	ULT39	Replacement only	18	3355	167	147	20	ISO Φ 26	10	285	220	Hub	USA				X	X	X							Ī
22.5 x 8.25	ULA18	ULT39, 88267, 88367	19	3355	167	147	20	ISO Φ 26	10	285	220	Hub	USA				X	Х	X							
22.5 x 8.25	88U51	88251, 88651, 88555,	22.1	3750	168	146	22	ISO Φ 32	10	335	281	Hub	Hungary				X			Х						ĺ
22.5 x 8.25	88U52	88252, 88652, 88557	22.2	3750	168	146	22	ISO Φ 26	10	335	281	Hub	Hungary				X			Х					Х	
22.5 x 8.25	88253	88653.88457	23.2	3750	168	146	22	Volvo	10	335	281	Hub	Hungary	Х						Х						ĺ
22.5 x 9.00	89U63	89365.89363	22	4535	102	79	23	ISO Φ 26	10	285	220	Hub	USA	Х				X								
22.5 x 9.00	89U64	89465, 89464, 89364, 89360	25.4	4535	176	152	24	ISO Φ 26	10	285	220	Hub	USA					Х		Х						ĺ
22.5 x 9.00	89U51	89651, 89555, 89455	22.9	4250	176	154	22	ISO Φ 32	10	335	281	Hub	Hungary)	Х										
22.5 x 9.00	89U52	89652, 89553, 89453	23	4250	176	154	22	ISO Φ 26	10	335	281	Hub	Hungary							Х						
22.5 x 11.75	81151	81655.81555	23.2	4500	159	135	24	ISO Φ 32	10	335	281	Hub	Hungary	Х				Х								
22.5 x 11.75	81252	81528.81354	21	4750	21	0	21	ISO Φ 26	10	335	281	Hub	Hungary						Х							
22.5 x 11.75	81U56	81252, 81528	21	4750	21	0	21	ISO Φ 26	10	335	281	Hub	Hungary						Х							
22.5 x 11.75	81452	81258	25.9	5000	161	135	26	ISO Φ 26	10	335	281	Hub	Hungary	Х				Х								
22.5 x 11.75	81855	Replacements only	24.8	5000	145	120	25	ISO Φ 32	10	335	281	Hub	Hungary	Х												
22.5 x 11.75	81U51	81855	22.8	5000	145	120	25	ISO Φ 32	10	335	281	Hub	Hungary	Х				Х								
22.5 x 11.75	81856	81952	24.9	5000	145	120	25	ISO Φ 26	10	335	281	Hub	Hungary	Х												
22.5 x 11.75	81U52	81856	22.9	5000	145	120	25	ISO Φ 26	10	335	281	Hub	Hungary	Х				Х								
22.5 x 11.75	81853	81953	24.9	5000	145	120	25	Volvo	10	335	281	Hub	Hungary					Х								
22.5 x 12.25	82262	82360	27.4	5580	14.3	N/A	29	ISO Φ 26	10	285	220	Hub	USA				Х									
22.5 x 12.25	82462	82364, 82366A	30.3	5580	148	119	29	ISO Φ 26	10	285	220	Hub	USA	Х				Х								
22.5 x 14.00	84154		30.8	5800	28.6	0	29	ISO Φ 26	10	335	281	Hub	Hungary						Х							1

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
BALGRIP	Pliers for Stainless Steel Wheel Nut Covers		



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® 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



Alcoa® Hub Cover System Cap Nut Cover Wrench

Part No.	Description	Finish
000600	Cap Nut Cover Wrench for Hub Piloted Hug-A-Lugs	Chrome



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
B5780-32LH	M22 x 1.5mm Short Sleeve LH Thread Single Steel Wheels
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
5781-32LH	M22 x 1.5mm Short Sleeve LH Thread Single Steel Wheels
B6143/30	M20 x 1.5mm Long Sleeve Nut for Dual Rear Wheels
B5781/32USA	M22 x 1.5mm Long Shank Sleeve Nut 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
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
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







INNOVATING ALUMINIUM WHEELS FOR OVER 70 YEARS

