



PRODUCT SPEC GUIDE

Published August 2017



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
WE'VE UPPED THE ANTE.



Alcoa LvL ONE® Wheels

Alcoa LvL ONE® Wheels utilise advanced manufacturing and production process that optimises the wheel surface to produce a finish that is bright. Six times brighter than ordinary machine finished wheels.

Alcoa Ultra ONE® Wheel with MagnaForce® alloy

HEAVY-DUTY WITHOUT THE HEAVY.

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.

CHOOSE
Ultra ONE® Wheels
for unmatched
strength and
unprecedented
weight **savings**





Alcoa Dura-Bright® EVC Wheels

NO MORE POLISHING.

Alcoa's third generation Dura-Bright® EVC 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® EVC 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® **EV3** 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:

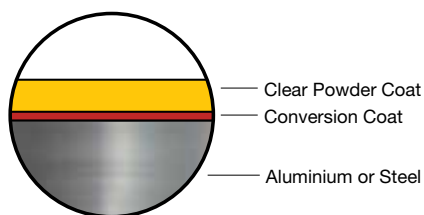
- One-piece forged aluminium that's **5x stronger than steel**
- True cool running **extends tyre and brake life**
- **Five-year limited warranty** for additional peace-of-mind

BREAKTHROUGH TECHNOLOGY

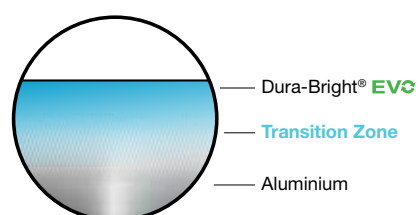
On ordinary wheels, a coating is typically applied as a layer that sits on top of the wheel surface. When scratched, water and salt can penetrate the coating, resulting in corrosion and further deterioration.

With Dura-Bright® **EV3** 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.

CONVENTIONAL COATING



DURA-BRIGHT® EV3



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





TECHNICAL DATA ALCOA WHEELS

Wheel Size	Part Number	Replaces	Weight Kgs	Max. Load Kgs	Offset (mm)	Inset (mm)	Disc Thickness	Stud Hole Dia (mm)	Number of Stud Holes	PCD (mm)
16.5" Wheels										
16 x 5.50	36070		10.3	1215	N/A	54.0	N/A	15.0	6	130
16 x 5.50	35301		8.3	1285	116.51	116.5	14	32.5	5	203
16 x 5.50	25180	25080	7.4	1060	125.50	116.3	9	16.0	6	205
16 x 5.50	35302		7.9	1285	115.01	101.0	14	32.5	5	208
16 x 6.00	26000		8.6	1450	127.99	112.0	16	32.5	6	222
17.5" Wheels										
17.5 x 5.25	65301		11.0	1750	120	104.0	16	32.5	5	203
17.5 x 5.25	65302		11.0	1750	120	104.0	16	32.5	5	208
17.5 x 6.00	66301		11.3	1750	127	111.0	16	32.5	5	203
17.5 x 6.00	66480	66422	12.0	1810	127	109.2	18	21.5	6	205
17.5 x 6.00	66281		13.8	1750	135	116.4	19	32.7	6	222
17.5 x 6.00	66311		13.9	1750	135	116.4	19	32.5	6	222
17.5 x 6.00	66312		11.4	1750	135	117.6	17	32.5	6	222
17.5 x 6.00	66313		11.3	1750	135.8	117.8	18	32.5	6	222
17.5 x 6.00	66320		12.7	2500	133	113.9	19	26.5	10	225
17.5 x 6.75	66140		13.5	2740	N/AP	0.0	21	17.3	8	165
17.5 x 6.75	66540		12.8	1590	N/AP	0.0	16	15.8	8	165
17.5 x 6.75	66307		13.8	2300	141	119.9	21	31.0	10	222
17.5 x 6.75	66371		13.5	2240	135	116.4	19	32.5	6	222
17.5 x 6.75	66373		12.4	2060	137	118.4	19	32.5	6	222
17.5 x 6.75	66382		13.9	3000	137	117.0	20	26.7	10	225
17.5 x 6.75	66182	66082	13.7	2500	143	123.0	20	26.7	6	245
17.5 x 6.75	66347		13.6	2500	141	119.9	21	24.8	8	275
19.5" Wheels										
19.5 x 6.00	76332		15.7	1900	5.3	117.1	18	32.5	6	222
19.5 x 6.00	76320		14.9	1815	5.4	118.1	18	15.2	10	225
19.5 x 6.00	76380		15.0	1705	5.4	118.1	18	15.2	8	225
19.5 x 6.75	76471		17.4	2500	5.4	114.7	22	32.5	6 & 7	222
19.5 x 6.75	76342		16.9	2500	5.8	126.7	20	26.7	8	275
19.5 x 6.75RW	76542	76449	13.6	2270	5.6	123.0	18	26.7	8	275
19.5 x 6.75	76641		17.2	2500	5.8	126.7	20	32.7	8	275
19.5 x 6.75	76335		16.7	2500	5.8	125.4	22	32.5	8	285
19.5 x 7.50	77345		17.8	3000	6.1	134.1	21	32.8	8	275
19.5 x 7.50	77346		17.9	3000	6.1	134.1	21	30.8	8	275
19.5 x 7.50	77347		18.0	3000	6.1	134.1	21	24.7	8	275
19.5 x 7.5RW	77349	77340	17.5	3000	6.1	133.9	21	24.8	8	275
19.5 x 7.5RW	77362	77360	17.1	3040	6.1	132.8	22	26.7	10	286
19.5 x 8.25	78345		18.6	3150	6.6	146.8	21	32.8	8	275
19.5 x 8.25	78346		18.6	3150	6.6	146.8	21	30.8	8	275
19.5 x 8.25	78347		18.8	3150	6.6	146.8	21	24.8	8	275
19.5 x 14.00	74340		23.7	4500	N/AP	0.0	25	26.7	8	275
19.5 x 14.00	74345		23.5	4500	N/AP	0.0	25	32.8	8	275
22.5" Wheels										
22.5 x 7.50	87340		24.0	3310	6.3	138.0	21	26.7	8	275
22.5 x 7.50	87348		23.9	3310	6.3	138.0	21	32.7	8	275
22.5 x 7.50	87334		25.5	3450	6.4	137.6	24	32.5	8	285
22.5 x 7.50	87335		25.5	3520	6.4	137.6	24	32.5	8	285
22.5 x 7.50	87360		23.8	3310	6.3	138.0	21	26.7	10	286
22.5 x 7.50	87451		23.8	3550	6.3	137.8	22	32.8	10	335
22.5 x 7.50	87452	87352	23.9	3550	6.3	137.8	22	26.7	10	335
22.5 x 7.50	87453	87357	23.9	3550	6.3	137.8	22	26.3	10	335
22.5 x 7.50	87454		23.8	3550	6.3	137.8	22	32.8	10	335
22.5 x 7.50	87152		23.0	3550	6.4	140.4	22	26.7	10	335
22.5 x 8.25	88344	88342, 88341, 88340	22.2	3355	6.7	147.1	22	26.7	8	275
22.5 x 8.25	88348		22.0	3355	6.7	147.1	22	32.7	8	275
22.5 X 8.25	88336		22.8	3356	6.6	143.3	24	32.5	8	285
22.5 x 8.25	88334		25.7	3650	6.5	140.6	24	32.5	8	285
22.5 x 8.25	88335		25.9	3725	6.5	139.6	25	32.5	8	285
22.5 x 8.25	88311	88310, 88300	23.6	3265	6.7	144.1	25	31.0	10	286
22.5 x 8.25	88361		24.1	3310	6.7	147.6	21	31.0	10	286
22.5 x 8.25	88367	88364, 88362, 88360	20.3	3355	6.6	147.1	20	26.7	10	286
22.5 x 8.25	88467		23.8	3310	6.7	146.9	22	26.7	10	286

TECHNICAL DATA ALCOA WHEELS

Wheel Size	Part Number	Replaces	Weight Kgs	Max. Load Kgs	Offset (mm)	Inset (mm)	Disc Thickness	Stud Hole Dia (mm)	Number of Stud Holes	PCD (mm)
22.5 " Wheels										
22.5 x 8.25	88565	88567, 88560	22.8	3650	6.6	145.1	23	26.7	10	286
22.5 x 8.25	88565	88567, 88560	22.8	3650	6.6	145.1	23	26.7	10	286
22.5 x 8.25	88667	88666, 88665, 88465	22.0	3360	6.6	147.7	20	26.7	10	286
22.5 x 8.25	88767	88761, 88760	21.4	3360	6.6	147.7	20	26.7	10	286
22.5 x 8.25	88768		21.4	3360	6.6	147.7	20	26.7	10	286
22.5 x 8.25	88769		21.6	3355	6.6	147.7	20	26.7	10	286
22.5 x 8.25	ULTRA		18.5	3355	6.6	148.6	19	26.7	10	286
22.5 x 8.25	88351		21.1	3650	6.6	145.9	22	32.7	10	335
22.5 x 8.25	88352		21.3	3650	6.6	145.9	22	26.7	10	335
22.5 x 8.25	88551		22.5	3750	6.6	145.9	22	32.7	10	335
22.5 x 8.25	88552		22.7	3750	6.6	145.9	22	26.7	10	335
22.5 x 8.25	88655		22.8	3750	6.6	145.9	22	32.8	10	335
22.5 x 8.25	88657		26.2	3835	6.6	144.9	23	32.8	10	335
22.5 x 8.25	88251	88651, 88555, 88455	23.1	3750	6.6	145.9	22	32.8	10	335
22.5 x 8.25	88252	88652, 88557, 88553(NA), 88456	23.2	3750	6.6	145.9	22	26.8	10	335
22.5 x 8.25	88253	88653, 88457	23.2	3750	6.6	145.9	22	26.3	10	335
22.5 x 9.00	89300		27.7	4080	6.9	150.5	26	31.0	10	286
22.5 x 9.00	89U63	89365, 89363	22.0	4535	N/AP	79.2	23	26.7	10	286
22.5 x 9.00	89U64	89465, 89464, 89364, 89360	25.4	4535	6.9	152.3	24	26.7	10	286
22.5 x 9.00	89662		27.0	4080	6.9	151.6	25	26.7	10	286
22.5 x 9.00	89351		23.3	4125	6.9	153.5	23	32.7	10	335
22.5 x 9.00	89352		23.4	4125	6.9	153.5	23	26.7	10	335
22.5 x 9.00	89551		25.4	4535	6.9	153.0	23	32.7	10	335
22.5 x 9.00	89552		25.5	4535	6.9	153.0	23	26.7	10	335
22.5 x 9.00	89251	89651, 89555, 89455	23.5	4125	6.9	154.3	22	32.8	10	335
22.5 x 9.00	89252	89652, 89553, 89453	23.7	4125	6.9	154.3	22	26.8	10	335
22.5 x 9.00	89253	89653, 89457	23.6	4125	6.9	154.3	22	26.3	10	335
22.5 x 9.00	89657		26.7	4335	6.9	153.3	23	32.8	10	335
22.5 x 10.5	80360		31.2	4765	6.6	139.7	28	26.7	10	286
22.5 x 10.5	80350		28.4	4760	N/AP	125.0	25	32.7	8 & 9	335
22.5 x 11.75	81055		24.6	5000	N/AP	0.0	24	32.7	10	335
22.5 x 11.75	81056		24.8	5000	N/AP	0.0	24	26.7	10	335
22.5 x 11.75	81151	81655, 81555	23.2	4500	N/AP	135.0	24	32.7	10	335
22.5 x 11.75	81255		25.0	5000	N/AP	45.0	25	32.7	10	335
22.5 x 11.75	81256		25.2	5000	N/AP	45.0	25	26.7	10	335
22.5 x 11.75	81452	81258	25.9	5000	N/AP	135.0	26	26.7	10	335
22.5 x 11.75	81855	81951	24.6	5000	N/AP	120.0	25	32.7	10	335
22.5 x 11.75	81856	81952	24.9	5000	N/AP	120.0	25	26.7	10	335
22.5 x 11.75	81857	81757	24.1	5000	N/AP	120.0	25	32.7	10	335
22.5 x 11.75	81855	81951	24.6	5000	N/AP	120.0	25	32.7	10	335
22.5 x 11.75	81856	81952	24.9	5000	N/AP	120.0	25	26.7	10	335
22.5 x 11.75	81853	81953	24.9	5000	N/AP	120.0	25	26.3	10	335
22.5 x 11.75	81152	81652, 81551	23.4	4500	N/AP	135.0	24	26.7	10	335
22.5 x 11.75	81251	81051, 81355	21.0	4750	N/AP	0.0	21	32.9	10	335
22.5 x 11.75	81252	81052, 81354	21.0	4750	N/AP	0.0	21	26.7	10	335
22.5 x 12.25	82262	82360	27.4	5580	0.6	N/A	29	26.7	10	286
22.5 x 12.25	82305		29.4	5170	3.9	69.9	29	31.0	10	286
22.5 x 12.25	82306	82306A	31.6	4990	N/AP	118.9	30	31.0	10	286
22.5 x 12.25	82362	82365	28.2	5580	3.9	69.9	29	26.7	10	286
22.5 x 12.25	82462	82364, 82366A	30.3	5580	N/AP	118.9	29	26.7	10	286
22.5 x 13.00	83365		31.7	5580	3.5	60.3	29	26.7	10	286
22.5 x 13.00	83462	83364, 83366A, 83366	32.5	5805	N/AP	134.6	28	26.7	10	286
22.5 x 13.00	83358	83357A	34.3	5805	N/AP	155.4	30	26.7	10	335
22.5 x 13.00	83552	83353	25.2	5500	0.6	N/A	28	26.7	10	335
22.5 x 14.00	84U62	84362, 84062, 84167, 84160	23.6	5805	2.0	N/A	25	26.7	10	286
22.5 x 14.00	84U60	84360, 84060, 84267, 84161	23.5	5805	1.0	0.0	25	26.7	10	286
22.5 x 14.00	84362	84062, 84167, 84160	24.7	5805	2.0	N/A	25	26.7	10	286
22.5 x 14.00	84151		30.8	5800	N/AP	0.0	29	26.7	10	335
22.5 x 14.00	84154		30.8	5800	1.1	0.0	29	26.7	10	335
22.5 x 17.00	84051		35.8	5800	2.6	N/A	29	32.7	10	335
22.5 x 17.00	84052		36.0	5800	2.6	N/A	29	26.7	10	335

THE LIGHTWEIGHT **INNOVATION LEADER.**

Alcoa Ultra ONE® Wheels with MagnaForce® alloy

HEAVY-DUTY **WITHOUT THE HEAVY.**

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. That's a nice lift to your bottom line.



22.5" x 8.25"
ULTRAx

- Just 18.5kg
- 3355kg load rating
- 10-285mm PCD



22.5" x 9"
89U63x , 89U64x

- Now just 22kg or 25kg based on fitment
- 4535kg load rating
- 10-285mm PCD



22.5" x 14"
84U60x , 84U62x

- Now just 23.5kg
- Available in 0", .98", and 2" offsets
- 5805kg load rating

Alcoa Classic Wheels



22.5" x 8.25"
88367x

- Just 20kg
- 3355kg load rating
- 10-285mm PCD



22.5" x 8.25"
88252

- Just 23kg
- 3750kg load rating
- 10-335mm PCD



22.5" X 12.25"
82462x

- Super Single
- Just 30kg
- 5580kg load rating

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:

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

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



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.

The only finishes available for each part number are defined in the Finish Options 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. Customer must 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 Arconic wheel representative for proper load, inflation and part compatibility.
- 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.)
- 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.
- For wheels diameter 19.5” and below that are packaged with brand new hardware, the included hardware must be used. In this case, do not use your vehicle’s original lug nuts or bolts. Keep a set of your original lug nuts or bolts in your vehicle in case of potential future need of mounting a spare wheel.
- P/Ns 88565x and 98565x are Alcoa Severe Service® Wheels.
- To obtain information about free training on proper installation and maintenance procedures, contact Arconic Wheel Products at 03 9311 5800 or on the web at alcoawheels.com.
- For details on accessories, see Alcoa Accessory Products Catalog.



INNOVATION
IS IN OUR DNA

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ARCONIC

DRIVING YOUR **BOTTOM LINE.**[™]