Product Spec Guide
Published February 2019
MagnaForce®
Leads the way.

Proprietary MagnaForce® alloy offers a 17% increase in strength 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 utilize proven technology resulting in low weight, enhanced strength and eye-catching brightness — still the industry standard.
Surface option codes

Alcoa® aluminum 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:

<table>
<thead>
<tr>
<th>0</th>
<th>Brushed finish on both sides as applicable*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mirror polished outside only</td>
</tr>
<tr>
<td>2</td>
<td>Mirror polished inside only (same side as roll stamp)</td>
</tr>
<tr>
<td>3</td>
<td>Mirror polished both sides</td>
</tr>
<tr>
<td>7</td>
<td>Clean Buff finish on both sides as applicable*</td>
</tr>
<tr>
<td>8</td>
<td>Clean Buff finish on both sides (reference data table for offset position)</td>
</tr>
<tr>
<td>9</td>
<td>Brushed finish on both sides (reference data table for offset position)</td>
</tr>
</tbody>
</table>

*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-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 Surface Treatment Codes column.

Additional Information:

- Alcoa® Dura-Bright® Wheels shine without polishing. Just wash with soap and water.
- Do not polish or clean Dura-Black™ or 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 tire manufacturer’s recommendation for proper tire pressure.
- Before mounting the tire, 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 representative for Alcoa wheels 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 and Transportation Products at (800) 242-9898 or on the web at alcoawheels.com.
- For details on accessories, see Accessory Products Catalog for Alcoa wheels.
- Always perform a fitment check to ensure accessories are secure before operating vehicle.
Introducing Alcoa® Dura-Black™ Wheels

BLACK IT OUT.

Same benefits of all lightweight Alcoa® aluminum wheels, now in Menacing Matte Black.

Available in the following sizes:

- 22.5” x 9.00” 89u64BLK
- 22.5” x 8.25” 82462BLK
- 22.5” x 12.25” 82462BLK
- 24.5” x 8.25” 98U63BLK

*Also available on select OEM styled wheels. See dealer for details.
## 22.5” & Above Wheel Diameter

<table>
<thead>
<tr>
<th>Size</th>
<th>Front Hub Cover</th>
<th>Rear Hub Cover</th>
<th>Nut Cover Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Holes</td>
<td>11.25” Bolt Circle</td>
<td>9.75” Bolt Circle</td>
<td>9.75” Bolt Circle</td>
</tr>
<tr>
<td>10 Holes 21/11.25” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
</tr>
<tr>
<td>10 Holes 22” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
</tr>
</tbody>
</table>

### Options
- **Diameter:** 
  - 22.5” & Above Wheel Diameter
  - Bolt Circle, Bolt Holes, Hub Bore
- **Options:** 
  - 22.5 x 12.25
  - 22.5 x 10.5
  - 22.5 x 8.25
  - 22.5 x 7.5
  - 22.5 x 6

### Surface Treatment Codes
- **Finish Options:**
  - Black, 1DB, 2DB, 3DB
  - 26mm 6.60
  - 26mm 5.59
  - 26mm 7.40

### Load Rating
- **Max Load:**
  - 12000
  - 13000
  - 11400

### Valve Stem
- **Front Hub Cover**
  - TR553E (requires 10pcs 001551 and 1pc 000500)
  - N/A
  - TR552D (requires 10pcs 001551 and 1pc 000500)

### Aloc® Accessory Products
- **Front Hub Cover**
  - N/A
  - N/A
  - N/A

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### Notes
- *Owner exclusive. Purchase through Mack dealer only.*
- *OEM exclusive. Purchase through Peterbilt dealer only.*

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### Chart

<table>
<thead>
<tr>
<th>Size</th>
<th>Front Hub Cover</th>
<th>Rear Hub Cover</th>
<th>Nut Cover Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Holes 21/11.25” Bolt Circle</td>
<td>9.75” Bolt Circle</td>
<td>9.75” Bolt Circle</td>
<td>9.75” Bolt Circle</td>
</tr>
<tr>
<td>10 Holes 22” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
</tr>
</tbody>
</table>

### Diameter Options
- **22.5 x 12.25**
  - **Width:** 9.75”
  - **Bolt Circle:** 55.25 x 12.25
  - **Bolt Holes:** 50

### Hub Options
- **88336x, 88336x**
  - **Width:** 2.75"
  - **Bolt Circle:** 104.52 x 2.75
  - **Bolt Holes:** 30

### Alcoa Accessory Products
- **Front Hub Cover**
  - N/A
  - N/A
  - N/A

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### Chart

<table>
<thead>
<tr>
<th>Size</th>
<th>Front Hub Cover</th>
<th>Rear Hub Cover</th>
<th>Nut Cover Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Holes 22” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
<td>7 1/2” Bolt Circle</td>
</tr>
</tbody>
</table>

### Diameter Options
- **22.5 x 10.5**
  - **Width:** 8.75"
  - **Bolt Circle:** 58 x 10.5
  - **Bolt Holes:** 10

### Hub Options
- **88336x, 88336x**
  - **Width:** 2.75" x 88335x
  - **Bolt Circle:** 104.52 x 2.75
  - **Bolt Holes:** 30

### Alcoa Accessory Products
- **Front Hub Cover**
  - N/A
  - N/A
  - N/A
<table>
<thead>
<tr>
<th>Size</th>
<th>P/N</th>
<th>Replace P/N</th>
<th>Approx. Weight (lbs)</th>
<th>Finish Options</th>
<th>Dura-Bright® Surface Treatment Options</th>
<th>Mounting System</th>
<th>Offset</th>
<th>Load Rating</th>
<th>Alcoa® Accessory Products</th>
<th>Valve Stem</th>
<th>Front Hub Cover</th>
<th>Rear Hub Cover</th>
<th>Nut Cover Only</th>
<th>Alcoa® Mounting Hardware Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.5 x 6.75</td>
<td>66307x</td>
<td>31</td>
<td>2, 7</td>
<td>10</td>
<td>8.75”</td>
<td>1.22”</td>
<td>6.50”</td>
<td>5.50”</td>
<td>4.72”</td>
<td>5070</td>
<td>125</td>
<td>TR553C</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>19.5 x 6.75</td>
<td>77348x</td>
<td>38</td>
<td>1, 2, 7</td>
<td>10</td>
<td>285.75mm</td>
<td>26mm</td>
<td>220.1mm</td>
<td>6.1”</td>
<td>5.23”</td>
<td>6700</td>
<td>130</td>
<td>076188, 077181, 089100S</td>
<td>077188, 077181, 089100S</td>
<td>001811</td>
</tr>
<tr>
<td>19.5 x 7.5RW</td>
<td>77360x</td>
<td>38</td>
<td>1, 2, 7</td>
<td>10</td>
<td>285.75mm</td>
<td>26mm</td>
<td>220.1mm</td>
<td>6.1”</td>
<td>5.23”</td>
<td>6700</td>
<td>130</td>
<td>076188, 077181, 089100S</td>
<td>077188, 077181, 089100S</td>
<td>001811</td>
</tr>
<tr>
<td>19.5 x 7.5RW</td>
<td>77362x</td>
<td>38</td>
<td>1, 2, 7</td>
<td>10</td>
<td>285.75mm</td>
<td>26mm</td>
<td>220.1mm</td>
<td>6.1”</td>
<td>5.23”</td>
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<td>077188, 077181, 089100S</td>
<td>001811</td>
</tr>
</tbody>
</table>

¹ Hub cover system kits with part numbers 076185 (front), 077185 (rear), 082122 (front), and 082133 (rear) contain screw-on Hug-A-Lug® nut covers and require a minimum of four (4) threads of the stud to extend above the tightened cap nut for use. Six (6) threads are recommended.
² 082122 (33mm kit Front and Rear).

3 Wheel sold with mounting hardware required for proper thread engagement. See Alcoa Accessory Products Catalog for part number specific fitment information. Always perform a fitment check to ensure accessories are secure before operating vehicle.

Manufactured by Alcoa (Alcoa) and available through authorized distributors. For a list of authorized distributors, please visit: www.alcoaaccessory.com. All prices and information are subject to change without notice. For more ALCOA information, please call your authorized distributor or visit: www.alcoa.com.
The lightest portfolio in the industry.

**Alcoa Ultra ONE® Wheels with MagnaForce® alloy**

**Heavy-duty without the heavy.**

Alcoa Ultra ONE® Wheels with MagnaForce® alloy are available in all the popular 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.

<table>
<thead>
<tr>
<th>Size</th>
<th>Load Rating</th>
<th>Offset</th>
<th>Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.5” x 8.25”</td>
<td>Just 40 lbs</td>
<td>0”</td>
<td>Just 40 lbs</td>
</tr>
<tr>
<td>24.5” x 8.25”</td>
<td>Just 51 lbs</td>
<td>.98”</td>
<td>Just 51 lbs</td>
</tr>
<tr>
<td>22.5” x 14”</td>
<td>Just 52 lbs</td>
<td>2”</td>
<td>Available in 0”, .98”, and 2” offsets</td>
</tr>
</tbody>
</table>

**Alcoa LvL ONE® Wheels**

Alcoa LvL ONE® Wheels feature a proven design for optimal weight and strength.

<table>
<thead>
<tr>
<th>Size</th>
<th>Load Rating</th>
<th>Offset</th>
<th>Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.5” x 8.25”</td>
<td>Just 45 lbs</td>
<td>0”</td>
<td>7,400 lb. load rating</td>
</tr>
<tr>
<td>24.5” x 8.25”</td>
<td>Just 50 lbs</td>
<td>.98”</td>
<td>8,050 lb. load rating</td>
</tr>
<tr>
<td>22.5” x 13”</td>
<td>Just 62 lbs</td>
<td>0”</td>
<td>8,300 lb. load rating</td>
</tr>
</tbody>
</table>
Building out a truck? We can help.

Find all your wheel options and OEM data codes with SPECFinder™ for Alcoa wheels.

alcoawheels.com/SPECFinder