



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:

0 - Brushed finish on both sides as applicable*

1 - Mirror polished outside only

2 - Mirror polished inside only
(same side as roll stamp)

3 - Mirror polished both sides

7 - Clean Buff finish on both sides as applicable*

8 - Clean Buff 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 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"
ULTRABLK

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

| | Bolt Holes, Bolt Circle, Hub Bore | Size | P/N | Replaces P/N | Approx. Weight (lbs) | Finish Options | Surface Treatment Codes | | | | Bolt Hole Diameter | Offset | | Load Rating | | Valve Stem | Alcoa® Accessory Products | | | |
|-------------------------|--|---------------------|------------------------|------------------------|-------------------------|-------------------|-------------------------|-------------------------|-------------------------|---|-----------------------|----------------|---------------|-------------------|-------------------------|---|---|--|---|--------|
| | | | | | | | Dura- Black™ | Dura-Bright® Options | Dura-Flange® Options | Dura-Bright® Dura-Flange® Options | | Outset (in) | Inset (in) | Max Load (lbs) | Max Cold Infl. (psi) | | Front Hub Cover (Includes Nut Covers Where Applicable) | Rear Hub Cover (Includes Nut Covers Where Applicable) | Nut Cover Only (Not Intended to Secure Hub Covers) | |
| | | | | | | | | | | | | | | | | | | | | |
| HEAVY DUTY Ball Seat | 10 Holes 11.25" Bolt Circle 8.72" Bore | 22.5 x 8.25 | 88311x | 88310x, 88300x | 52 | 7 | | 3DB | | | 1.18" | 6.66 | 5.68 | 7200 | 130 | TR555D | 076100 (requires 10pcs 001551 and 1pc 000500) | 077100 (requires 10pcs 001551 and 1pc 000500) | 001501 | |
| | | 22.5 x 12.25 | 82305x | | 64 | 7 | | | | 1.18" | 3.88 | N/A | 11400 | 130 | TR553E | N/A | 077100 (requires 10pcs 001551 and 1pc 000500) | 001501 | | |
| | | 22.5 x 12.25 | 82306x | 82306xA | 69 | 8 | | | | 1.18" | N/A | 2.75 | | | TR555E | 076100 (requires 10pcs 001551 and 1pc 000500) | N/A | 001501 | | |
| | | 24.5 x 8.25 | 98312x | 98310x | 59 | 7 | | | | 1.18" | 6.60 | 5.59 | 7200 | 130 | TR555D | 076100 (requires 10pcs 001551 and 1pc 000500) | 077100 (requires 10pcs 001551 and 1pc 000500) | 001501 | | |
| HEAVY DUTY Hub Pilot | 8 Holes 275mm Bolt Circle 221.1mm Bore | 22.5 x 7.5 | 87340x | | 53 | 7 | | | | 26mm | 6.28 | 5.44 | 7300 | 130 | TR555D | 082122 ^{1,2} (33mm kit) | 082133 ^{1,2} (33mm kit) | 001811 | | |
| | | | | | | | | | | | | | | | | 140233A (Stainless 33mm) | 109176A (Stainless 33mm) | | | |
| | 10 Holes 11.25" Bolt Circle 8.67" Bore | 22.5 x 8.25 | 88361x | | 53 | 3, 7 | | 0DB, 3DB | | 3DD | 1.18" | 6.66 | 5.81 | 7300 | 130 | TR555D | N/A | N/A | 001821 | |
| | 10 Holes 285.75mm Bolt Circle 220.1mm Bore | 22.5 x 7.5 | 87360x | | 53 | 7 | | | | | 26mm | 6.28 | 5.44 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | ULTRAx | | 40 | 1, 2, 7 | BLK | 0DB, 1DB, 2DB | 7DF | | 26mm | 6.60 | 5.85 | 7400 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88367x | 88364x, 88362x | 45 | 1, 2, 3, 7 | | 0DB, 1DB, 2DB, 3DB | 1DF, 2DF, 7DF | 1DD, 2DD, 3DD | 26mm | 6.60 | 5.79 | 7400 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88U68x ⁴ | | 44 | 1, 2, 7 | BLK | 1DB, 2DB, 3DB | | | 26mm | 6.60 | 5.81 | 7400 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88U69x ⁴ | | 45 | 1, 2, 7 | | 1DB, 2DB | | | 26mm | 6.60 | 5.81 | 7400 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88467x ⁵ | | 52 | 0, 1, 2 | | 0DB, 1DB, 2DB | | | 26mm | 6.66 | 5.79 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88U67x ³ | | 45 | 1, 2, 3, 7 | BLK | 1DB, 2DB, 3DB | | | 26mm | 6.60 | 5.81 | 7400 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 8.25 | 88565x | 88567x, 88560x | 50 | 1, 2, 7 | | 0DB, 1DB, 2DB | 7DF | | 26mm | 6.60 | 5.71 | 8050 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 9 | 89U63x ⁰ | 89365x, 89363x | 48 | 1, 7 | | 1DB | | | 26mm | N/A | 3.12 | 10000 | 130 | TR555E | 076188, 076185 ¹ , 088100S | N/A | 001811 | |
| | | 22.5 x 9 | 89U64x | 89465x, 89464x, 89364x | 56 | 1, 2, 3, 7 | BLK | 0DB, 1DB, 2DB, 3DB | 7DF | 3DD | 26mm | 6.94 | 5.99 | 10000 | 130 | TR554D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 10.5 | 80360x | | 68 | 1 | | 1DB | | | 26mm | N/A | 5.50 | 10500 | 130 | TR553 | 076188, 076185 ¹ , 088100S | N/A | 001811 | |
| | | 22.5 x 12.25 | 82262x ⁰ | 82360x | 60 | 2, 7 | | 2DB | | | 26mm | 0.56 | N/A | 12300 | 130 | TR553E | N/A | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 22.5 x 12.25 | 82362x | 82365x | 62 | 2, 7 | | | 2DB | | | 26mm | 3.88 | N/A | 12300 | 130 | TR553E | N/A | 077188, 077185 ¹ , 089100S | 001811 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | 82462x ⁰ | 82364x, 82366xA | 66 | 1, 7 | BLK | | 1DB | | | 26mm | N/A | 4.68 | 12300 | 130 | TR552 | 076188, 076185 ¹ , 088100S | N/A | 001811 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | 83U65x | 83365 | 63 | 1, 8 | | | 1DB | | | 26mm | 3.50 | N/A | 13000 | 130 | TR553E | N/A | 077188, 077185 ¹ , 089100S | 001811 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | 83462x ⁰ | 83364x, 83366xA | 71 | 1, 7 | | | 0DB, 1DB | | | 26mm | N/A | 5.30 | 12800 | 130 | TR552 | 076188, 076185 ¹ , 088100S | N/A | 001811 |
| | | | 84U60x | 84360x, 84060x, 84267x | 52 | 1, 8 | | | 1DB | | | 26mm | 0.98 | N/A | 12800 | 130 | TR555E | N/A | 077188, 077185 ¹ , 089100S | 001811 |
| | | | 2, 7 | 0DB, 2DB | 7DF | 2DD | | | | | | | | | | | | | | |
| | | | 84U62x ⁰ | 84362x, 84062x, 84167x | 52 | 2, 7 | | | 2DB | 7DF | 2DD | 26mm | 2.00 | N/A | 12800 | 130 | TR553E | N/A | 077188, 077185 ¹ , 089100S | 001811 |
| | | 98U63x | 98363x, 98367x, 98364x | 51 | 1, 2, 7 | BLK | | 0DB, 1DB, 2DB | 7DF | | 26mm | 6.60 | 5.77 | 7400 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 98U68x ⁴ | | 54 | 1, 2, 7 | BLK | | 1DB, 2DB, 3DB | | | 26mm | 6.60 | 5.73 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 98U69x ⁴ | | 55 | 1, 2, 7 | | | 1DB, 2DB | | | 26mm | 6.60 | 5.73 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 98467x ⁵ | | 59 | 0, 1, 2 | | | 0DB, 1DB, 2DB | | | 26mm | 6.60 | 5.76 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | | 98U67x ³ | | 55 | 1, 2, 3, 7 | BLK | | 1DB, 2DB, 3DB | | | 26mm | 6.60 | 5.73 | 7300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | |
| | 98565x | 98567x, 98560x | 62 | 1, 2, 7 | | | 0DB, 1DB, 2DB | 7DF | | 26mm | 6.60 | 5.61 | 8300 | 130 | TR555D | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | | |
| | 10 Holes 335mm Bolt Circle 281.2mm Bore | 22.5 x 8.25 | 88651x | 88555x, 88455x | 50 | 3, 7 | | 0DB, 3DB | 7DF | 0DD, 3DD | 32mm | 6.60 | 5.75 | 8050 | 130 | 70MS7 | N/A | N/A | N/A | |
| | | 22.5 x 8.25 | 88652x | 88557x, 88456x | 50 | 0, 3, 7 | | 0DB, 3DB | 0DF, 7DF | 3DD | 26mm | 6.60 | 5.75 | 8050 | 130 | 70MS7 | N/A | N/A | 001811 | |
| 22.5 x 9 | | 89651x | 89555x, 89455x | 51 | 7 | | 3DB | | | 32mm | 6.93 | 6.08 | 9090 | 130 | 70MS7 | N/A | N/A | N/A | | |
| 22.5 x 9 | | 89652x | 89553x, 89453x | 51 | 0, 3, 7 | | 3DB | | | 26mm | 6.93 | 6.08 | 9090 | 130 | 70MS7 | N/A | N/A | 001811 | | |
| 22.5 x 13 | | 83358x ⁰ | 83357xA | 76 | 1, 7 | | 0DB, 1DB | | | 26mm | N/A | 6.12 | 12800 | 130 | TR553 | 005811 | N/A | 001811 | | |
| 24.5 x 8.25 | | 98350x | | 63 | 3, 7 | | | | | 26mm | 6.79 | 5.81 | 8500 | 132 | TR554D | N/A | N/A | 001811 | | |

⁰ o and 7 finish options are determined by inset or outset mounting positions and may not be finished on both sides. See chart for position and available finish options.

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 082012 (Gomm kit Front and Rear).

³ OEM exclusive. Purchase through Peterbilt dealer only.

⁴ OEM exclusive. Purchase through Kenworth dealer only.

⁵ OEM exclusive. Purchase through Mack dealer only.

See Alcoa Accessory Products Catalog for part number specific fitment information. Always perform a fitment check to ensure accessories are secure before operating vehicle.

19.5" & Below Wheel Diameter

| | Size | P/N | Replaces P/N | Approx. Weight (lbs) | Finish Options | Dura-Bright® Surface Treatment Options | Mounting System | | | | Offset | | Load Rating | | Valve Stem | Alcoa® Accessory Products | | | | |
|--------------------|------------------|---------------|---------------------------|----------------------|----------------|--|-----------------|-------------|--------------------|----------|---------|-------|----------------|----------------------|---------------------------------------|---|--|---|-------------------------------|---------------------|
| | | | | | | | Bolt Holes | Bolt Circle | Bolt Hole Diameter | Hub Bore | Outset | Inset | Max Load (lbs) | Max Cold Infl. (psi) | | Front Hub Cover (Includes Nut Covers Where Applicable) | Rear Hub Cover (Includes Nut Covers Where Applicable) | Nut Cover Only (Not Intended to Secure Hub Covers) | Alcoa® Mounting Hardware Kits | |
| MEDIUM DUTY | Ball Seat | 17.5 x 6.75 | 66307x | | 31 | 2, 7 | | 10 | 8.75" | 1.22" | 6.50" | 5.55" | 4.72" | 5070 | 125 | TR553C | N/A | N/A | 001501 | N/A |
| | Cone Seat | 16 x 7 | 16704x | | 21 | 1 | | 8 | 6.5" | 0.62" | 5.16" | N/A | 0.25" | 3750 | 110 | TR416S | 003167, 004167 | 003167, 004167 | 000078 | N/A |
| MEDIUM DUTY | Hub Pilot | 16 x 5.5J | 25180x | 25080x | 16 | 0, 1, 2 | 1DB, 2DB | 6 | 205mm | 16mm | 161.1mm | 4.94" | 4.58" | 2340 | 80 | 54MS00 | 021135 | 022135 | 000135 | See OEM |
| | | 16 x 6J | 26180x³ | | 18 | 0, 1, 2 | 0DB, 1DB, 2DB | 6 | 180mm | 23mm | 138.8mm | 124mm | 110mm | 2065 | 69 | TR553C | 024019 | 024019 | 019001 | 139699 ³ |
| | | 16 x 6K | 16021x | | 19 | 1, 2 | 1DB, 2DB | 8 | 6.5" | 0.67" | 4.60" | 5.15" | 4.59" | 2780 | 95 | TR553 | 003611 | 003612 | 019001 | 139698 |
| | | 16 x 6K | 16028x | 16024x | 20 | 1, 2 | 1DB, 2DB | 8 | 6.5" | 0.67" | 4.88" | 5.4" | 4.84" | 2780 | 95 | TR553 | 001611, 001681 | 001612 | 019001 | 139987 |
| | | 17.5 x 6 | 66480x | 66422x | 26 | 1, 7 | | 6 | 205mm | 21mm | 160.3mm | 5.0" | 4.3" | 4000 | 130 | TR554C | N/A | N/A | N/A | N/A |
| | | 17.5 x 6.75 | 66140x | | 30 | 1 | 1DB | 8 | 6.5" | 0.68" | 4.77" | N/A | 0" | 6050 | 130 | TR552 | 001611, 001612 or 001681 | 001611, 001612 or 001681 | 019001 | 139987, 139698 |
| | | 17.5 x 6.75 | 66348x | 66347x | 27 | 2, 7 | 0DB, 2DB | 8 | 275mm | 24mm | 221.1mm | 5.55" | 4.85" | 5510 | 130 | TR553C | 082122 ^{1 2} (33mm kit) | 082133 ^{1 2} (33mm kit) | 001811 | N/A |
| | | | | | | | | | | | | | | | | | 140233A (Stainless 33mm) | 109176A (Stainless 33mm) | | |
| | | 19.5 x 6 | 76329x | 76320x | 26 | 1, 2, 7 | 1DB, 2DB | 10 | 225mm | 15mm | 170.2mm | 5.35" | 4.82" | 4000 | 130 | TR553C | 001004, 001006 | 001005, 001007 | N/A | See OEM |
| | | 19.5 x 6 | 76380x | | 33 | 1, 2 | | 8 | 225mm | 15mm | 170.3mm | 5.35" | 4.65" | 3750 | 110 | TR553C | N/A | N/A | N/A | N/A |
| | | 19.5 x 6.75RW | 76542x | 76449x | 30 | 1, 2, 7 | 1DB, 2DB | 8 | 275mm | 26mm | 221.1mm | 5.55" | 4.84" | 5000 | 130 | TR553C | 082122 ^{1 2} (33mm kit) | 082133 ^{1 2} (33mm kit) | 001811 | See OEM |
| | | | | | | | | | | | | | | | | | 140233A (Stainless 33mm) | 109176A (Stainless 33mm) | | |
| 19.5 x 7.5RW | 77349x | 77340x | 38 | 1, 2, 7 | | 8 | 275mm | 24mm | 221.1mm | 6.1" | 5.27" | 6610 | 130 | TR553C | 082122 ^{1 2} (33mm kit) | 082133 ^{1 2} (33mm kit) | 001811 | See OEM | | |
| | | | | | | | | | | | | | | | 140233A (Stainless 33mm) | 109176A (Stainless 33mm) | | | | |
| 19.5 x 7.5RW | 77362x | 77360x | 38 | 1, 2, 7 | 0DB, 1DB, 2DB | 10 | 285.75mm | 26mm | 220.1mm | 6.1" | 5.23" | 6700 | 130 | TR553C | 076188, 076185 ¹ , 088100S | 077188, 077185 ¹ , 089100S | 001811 | See OEM | | |

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 082012 (30mm 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.

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.



| | | | | |
|---|---|---|---|---|
| <p>22.5" x 8.25" ULTRAx</p> | <p>24.5" x 8.25" 98U63x</p> | <p>22.5" x 14" 84U60x, 84U62x</p> | <p>22.5" x 9" 89U63x, 89U64x</p> | <p>22.5" x 13" 83U65x</p> |
| <ul style="list-style-type: none"> • Just 40 lbs. • 7,400 lb. load rating | <ul style="list-style-type: none"> • Just 51 lbs. • 7,400 lb. load rating | <ul style="list-style-type: none"> • Just 52 lbs. • Available in 0", .98", and 2" offsets • 12,800 lb. load rating | <ul style="list-style-type: none"> • Just 48 or 56 lbs. based on fitment • 10,000 lb. load rating | <ul style="list-style-type: none"> • Just 63 lbs. • 13,000 lb. rating |

Alcoa LvL ONE® Wheels

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



22.5" x 8.25"
88367x

- Just 45 lbs.
- 7,400 lb. load rating



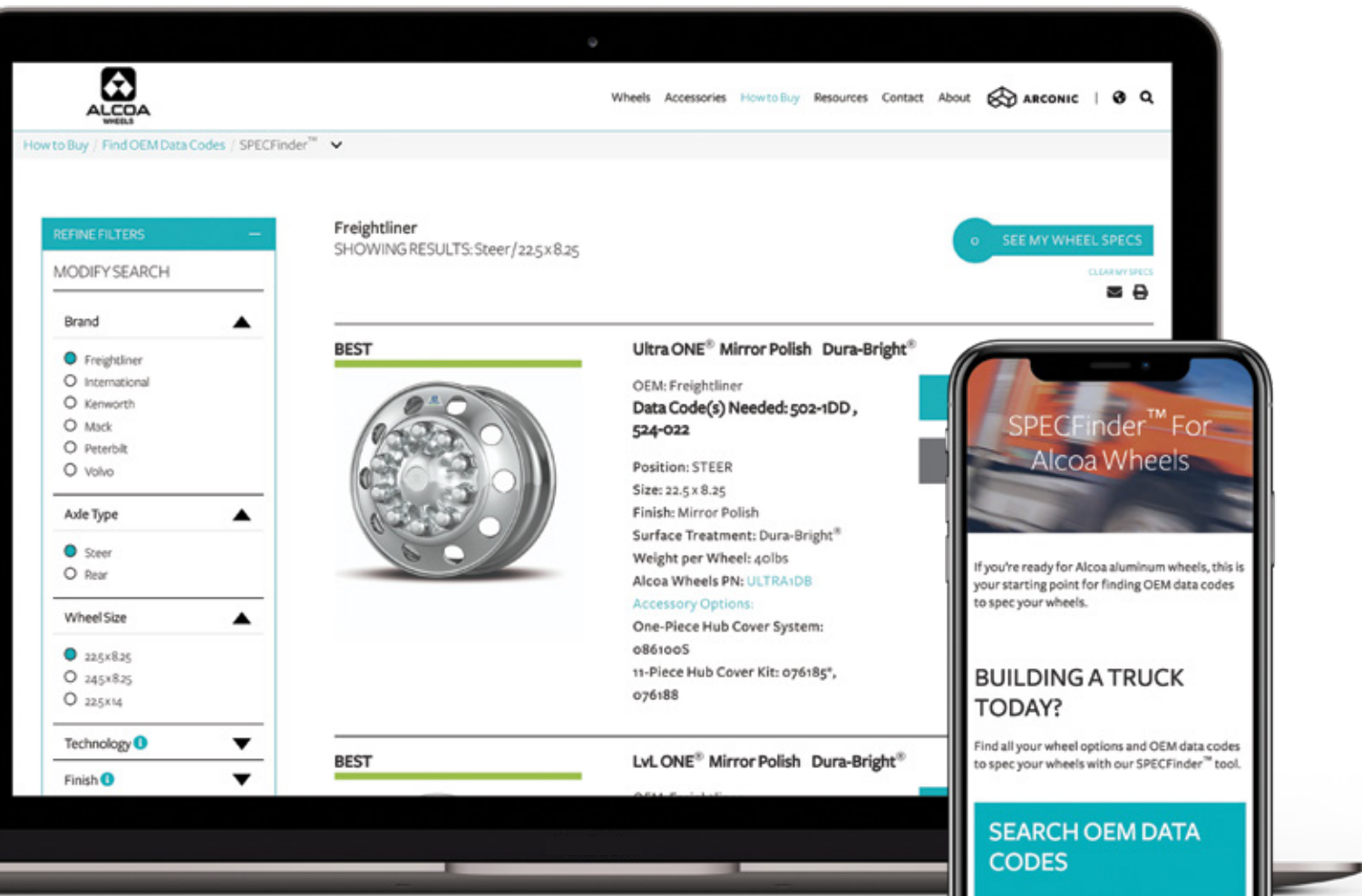
22.5" x 8.25"
88565x
Severe Service®

- Just 50 lbs.
- 8,050 lb. load rating



24.5" x 8.25"
98565x
Severe Service®

- Just 62 lbs.
- 8,300 lb. load rating



Building out a truck? We can help.

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

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