



# Specification Sheet

## Forged Aluminium Alcoa® wheels

07/2023 English



| Wheel size                                                       | Part no Brushed | Part no Lvl. ONE® | Part no Dura-Bright® | Part no Dura-Flange® | Part no Dura-Bright®/Dura-Flange® | Weight (kg) | Max. Load (kg) | Offset (mm) | Half dual space (mm) | Disk thickness (mm) | Bolt hole diameter (mm) | Number of bolt holes | Diameter mounting hole circle (mm) | Diameter center bore (mm) | Dual mounting | Valve                        | Balancing weights    |  |
|------------------------------------------------------------------|-----------------|-------------------|----------------------|----------------------|-----------------------------------|-------------|----------------|-------------|----------------------|---------------------|-------------------------|----------------------|------------------------------------|---------------------------|---------------|------------------------------|----------------------|--|
| <b>17.5" wheels - for medium duty trucks and buses</b>           |                 |                   |                      |                      |                                   |             |                |             |                      |                     |                         |                      |                                    |                           |               |                              |                      |  |
| 17.5 x 6.75                                                      | 667800          | 667807            | 667803DB             | -                    | -                                 | 14.2        | 2500           | 123         | 143                  | 20.0                | 21                      | 6                    | 245                                | 202                       | yes           | 54MS00N                      | adhesive and clip-on |  |
| 17.5 x 6.75                                                      | 667820          | -                 | 667823DB             | -                    | -                                 | 14.2        | 2500           | 123         | 143                  | 20.0                | 26                      | 6                    | 245                                | 202                       | yes           | 54MS00N                      | adhesive and clip-on |  |
| <b>17.5" wheels - for low deck trailers</b>                      |                 |                   |                      |                      |                                   |             |                |             |                      |                     |                         |                      |                                    |                           |               |                              |                      |  |
| 17.5 x 6.00                                                      | -               | 663203*           | -                    | -                    | -                                 | 12.7        | 2500           | 114         | 133                  | 19.1                | 26                      | 10                   | 225                                | 176                       | yes           | TR553D**                     | adhesive and clip-on |  |
| 17.5 x 6.75                                                      | -               | 663827            | 663823DB             | -                    | -                                 | 13.9        | 3000           | 117         | 137                  | 20.0                | 26                      | 10                   | 225                                | 176                       | yes           | TR554C                       | adhesive and clip-on |  |
| * only available in Mirror Polished                              |                 |                   |                      |                      |                                   |             |                |             |                      |                     |                         |                      |                                    |                           |               | ** Replacement Valve 70MS60N |                      |  |
| <b>19.5" wheels - for medium duty trucks, buses and trailers</b> |                 |                   |                      |                      |                                   |             |                |             |                      |                     |                         |                      |                                    |                           |               |                              |                      |  |
| 19.5 x 7.50 Ultra ONE®                                           | 77U470          | 77U477            | 77U473DB             | -                    | -                                 | 16.2        | 3150           | 135         | 155                  | 20                  | 24                      | 8                    | 275                                | 221                       | yes           | 54MS00N                      | adhesive and clip-on |  |
| 19.5 x 7.50 Ultra ONE®                                           | 77U460          | 77U467            | 77U463DB             | -                    | -                                 | 16.0        | 3150           | 135         | 155                  | 20                  | 30                      | 8                    | 275                                | 221                       | yes           | 54MS00N                      | adhesive and clip-on |  |
| 19.5 x 7.50 Ultra ONE®                                           | 77U450          | 77U457            | 77U453DB             | 77U450DF             | 77U453DD                          | 16.0        | 3150           | 135         | 155                  | 20                  | 32                      | 8                    | 275                                | 221                       | yes           | 54MS00N                      | adhesive and clip-on |  |
| 19.5 x 8.25                                                      | -               | 783467            | 783463DB             | -                    | -                                 | 18.7        | 3150           | 147         | 168                  | 20.8                | 30                      | 8                    | 275                                | 221                       | yes           | 54MS00N                      | adhesive             |  |
| 19.5 x 8.25                                                      | -               | 783457            | 783453DB             | 783450DF             | 783453DD                          | 18.6        | 3150           | 147         | 168                  | 20.8                | 32                      | 8                    | 275                                | 221                       | yes           | 54MS00N                      | adhesive             |  |
| <b>22.5" wheels - for trucks, buses and trailers</b>             |                 |                   |                      |                      |                                   |             |                |             |                      |                     |                         |                      |                                    |                           |               |                              |                      |  |
| 22.5 x 7.50 Ultra ONE®                                           | 87U520          | 87U527            | 87U523DB             | -                    | 87U523DD                          | 23.9        | 4000           | 138         | 160                  | 22.2                | 26                      | 10                   | 335                                | 281                       | yes           | 70MS07N2                     | adhesive and clip-on |  |
| 22.5 x 7.50 Ultra ONE®                                           | 87U510          | 87U517            | 87U513DB             | -                    | 87U513DD                          | 23.8        | 4000           | 138         | 160                  | 22.2                | 32                      | 10                   | 335                                | 281                       | yes           | 70MS07N2                     | adhesive and clip-on |  |
| 22.5 x 8.25 Ultra ONE®                                           | 88U520          | 88U527            | 88U523DB             | 88U520DF             | 88U523DD                          | 22.2        | 3750           | 148         | 168                  | 19.5                | 26                      | 10                   | 335                                | 281                       | yes           | 60MS00N                      | adhesive and clip-on |  |
| 22.5 x 8.25 Ultra ONE®                                           | 88U510          | 88U517            | 88U513DB             | -                    | 88U513DD                          | 22.1        | 3750           | 148         | 168                  | 19.5                | 32                      | 10                   | 335                                | 281                       | yes           | 60MS00N                      | adhesive and clip-on |  |
| 22.5 x 8.25 Ultra ONE®                                           | 88U560          | 88U567            | 88U563DB             | 88U560DF             | 88U563DD                          | 23.1        | 4100           | 146         | 168                  | 21.7                | 26                      | 10                   | 335                                | 281                       | yes           | 60MS00N                      | adhesive and clip-on |  |
| 22.5 x 8.25 Ultra ONE®                                           | 88U550          | 88U557            | 88U553DB             | -                    | 88U553DD                          | 23.0        | 4100           | 146         | 168                  | 21.7                | 32                      | 10                   | 335                                | 281                       | yes           | 60MS00N                      | adhesive and clip-on |  |
| 22.5 x 9.00 Ultra ONE®                                           | 89U520          | 89U527            | 89U523DB             | 89U520DF             | -                                 | 23.0        | 4250           | 156         | 176                  | 20.5                | 26                      | 10                   | 335                                | 281                       | yes           | 70MS07N2                     | adhesive and clip-on |  |
| 22.5 x 9.00 Ultra ONE®                                           | 89U510          | 89U517            | 89U513DB             | 89U510DF             | -                                 | 22.9        | 4250           | 156         | 176                  | 20.5                | 32                      | 10                   | 335                                | 281                       | yes           | 70MS07N2                     | adhesive and clip-on |  |

### BEFORE MOUNTING CONSULT THE SERVICE MANUAL FOR ALCOA® WHEELS

Dura-Bright® allows easy cleaning with soap and water.

Dura-Flange® is a treatment on the wheel rim that adds protection to the flange for a longer service life.

Alcoa® Ultra ONE® wheels are our lightest and strongest wheels, using MagnaForce® alloy technology.

For technical information on part numbers, please contact Howmet Wheel Systems via contact page [www.alcoawheelseurope.com](http://www.alcoawheelseurope.com).



| Bolts & Nuts  |             |                    |              |
|---------------|-------------|--------------------|--------------|
| Bolt          | Hex nut     | Bolt hole diameter |              |
|               |             | Longer studs       | Sleeved nuts |
| M22 x 1.5     | 32 or 33 mm | Ø 26 mm            | Ø 32 mm      |
| 7/8" - 11 BSF | 33 mm       | Ø 26 mm            | Ø 32 mm      |
| 7/8" - 14 UNF | 33 mm       | Ø 26 mm            | Ø 32 mm      |
| M20 x 1.5     | 30 mm       | Ø 24 mm            | Ø 30 mm      |
| M18 x 1.5     | 27 mm       | Ø 21 mm            | Ø 26 mm      |