



Specification Sheet

Forged Aluminium Alcoa® Wheels

04/2020 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 (kgs) Max. Load (kgs) Offset (mm) Half dual space (mm) Disk thickness (mm) Mounting holes diameter (mm) Number of mounting holes Diameter mounting hole circle (mm) Diameter center bore (mm) Dual mounting Valve Balancing weights

17.5" wheels - for medium duty trucks

| | | | | | | | | | | | | | | | | | |
|-------------|--------|---|----------|---|---|------|------|-----|-----|------|----|---|-----|-----|-----|---------|----------------------|
| 17.5 x 6.75 | 661820 | - | 661823DB | - | - | 13.7 | 2500 | 123 | 143 | 20.0 | 26 | 6 | 245 | 202 | yes | 54MS00N | adhesive and clip-on |
|-------------|--------|---|----------|---|---|------|------|-----|-----|------|----|---|-----|-----|-----|---------|----------------------|

17.5" wheels - for low deck trailers

| | | | | | | | | | | | | | | | | | |
|-------------|---|---------|----------|---|---|------|------|-----|-----|------|----|----|-----|-----|-----|----------|----------------------|
| 17.5 x 6.00 | - | 663203* | - | - | - | 12.7 | 2500 | 114 | 133 | 19.1 | 26 | 10 | 225 | 176 | yes | TR543D** | 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

19.5" wheels - for medium duty trucks and trailers

| | | | | | | | | | | | | | | | | | |
|-------------|--------|--------|----------|----------|----------|------|------|-----|-----|------|----|---|-----|-----|-----|---------|----------|
| 19.5 x 7.50 | 773470 | 773477 | 773473DB | - | - | 18.0 | 3000 | 134 | 155 | 20.8 | 24 | 8 | 275 | 221 | yes | 54MS00N | adhesive |
| 19.5 x 7.50 | 773460 | 773467 | 773463DB | - | - | 17.9 | 3000 | 134 | 155 | 20.8 | 30 | 8 | 275 | 221 | yes | 54MS00N | adhesive |
| 19.5 x 7.50 | 773450 | 773457 | 773453DB | 773450DF | 773453DD | 17.8 | 3000 | 134 | 155 | 20.8 | 32 | 8 | 275 | 221 | yes | 54MS00N | adhesive |
| 19.5 x 8.25 | 783460 | 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 |

22.5" wheels - for trucks, buses and trailers

| | | | | | | | | | | | | | | | | | |
|-----------------|--------|--------|----------|----------|----------|------|------|-----|-----|------|----|----|-----|-----|-----|----------|----------------------|
| 22.5 x 7.50 | 875520 | 875527 | 875523DB | - | 875523DD | 24.0 | 3750 | 138 | 160 | 22.2 | 26 | 10 | 335 | 281 | yes | 70MS07N2 | adhesive |
| 22.5 x 7.50 | 875510 | 875517 | 875513DB | - | 875513DD | 23.8 | 3750 | 138 | 160 | 22.2 | 32 | 10 | 335 | 281 | yes | 70MS07N2 | adhesive |
| 22.5 x 8.25*** | 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*** | 88U510 | 88U517 | 88U513DB | 88U510DF | 88U513DD | 22.1 | 3750 | 148 | 168 | 19.5 | 32 | 10 | 335 | 281 | yes | 60MS00N | adhesive and clip-on |
| 22.5 x 9.00 *** | 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*** | 89U510 | 89U517 | 89U513DB | - | - | 22.9 | 4250 | 156 | 176 | 20.5 | 32 | 10 | 335 | 281 | yes | 70MS07N2 | adhesive and clip-on |

*** Ultra ONE® with MagnaForce® alloy technology

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 |

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.

Ultra ONE® Alcoa® 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.





Specification Sheet

Forged Aluminium Alcoa® Wheels

04/2020 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 (kgs) | Max. Load (kgs) | Offset (mm) | Half dual space (mm) | Disk thickness (mm) | Mounting holes diameter (mm) | Number of mounting holes | Diameter mounting hole circle (mm) | Diameter center bore (mm) | Dual mounting | Valve | Balancing weights |
|---|-----------------|------------------|----------------------|----------------------|-----------------------------------|--------------|-----------------|-------------|----------------------|---------------------|------------------------------|--------------------------|------------------------------------|---------------------------|---------------|----------|----------------------|
| WorkHorse® - WorkHorse wheels are without ventholes to protect disc brakes in off-road applications, but can also be used for on road vehicles | | | | | | | | | | | | | | | | | |
| 22.5 x 9.00 | 896570 | - | - | - | - | 26.7 | 4335 | 153 | 176 | 22.8 | 32 | 10 | 335 | 281 | yes | 83MS00N | adhesive |
| 22.5 x 11.75 | 818570 | - | - | - | - | 24.2 | 5000 | 120 | - | 25.3 | 32 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| FrontRunner® * - 22.5" FrontRunner® wheels offset 120mm | | | | | | | | | | | | | | | | | |
| 22.5 x 11.75 | 818560 | 818567 | 818561DB | 818560DF | - | 25.0 | 5000 | 120 | - | 25.3 | 26 | 10 | 335 | 281 | no | 54MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 818550 | 818557 | 818551DB | - | - | 24.8 | 5000 | 120 | - | 25.3 | 32 | 10 | 335 | 281 | no | 54MS00N | adhesive and clip-on |
| FrontRunner® * - 22.5" FrontRunner® wheels offset 135mm | | | | | | | | | | | | | | | | | |
| 22.5 x 11.75 | 811520 | 811527 | 811521DB | - | - | 23.5 | 4500 | 135 | - | 24.1 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 811510 | 811517 | 811511DB | - | 811511DD | 23.3 | 4500 | 135 | - | 24.1 | 32 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 814520 | 814527 | 814521DB | 814520DF | - | 26.0 | 5000 | 135 | - | 26.0 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 814510 | 814517 | 814511DB | - | - | 25.8 | 5000 | 135 | - | 26.0 | 32 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| Trailer wheels - 19.5" & 22.5" trailer wheels | | | | | | | | | | | | | | | | | |
| 22.5 x 11.75 | 812520 | 812527 | 812522DB | - | - | 21.2 | 4750 | 0 | - | 21.0 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 812510 | 812517 | 812512DB | - | - | 21.0 | 4750 | 0 | - | 21.0 | 32 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 810560 | 810567 | 810562DB | - | - | 24.8 | 5000 | 0 | - | 24.2 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 818560 | 818567 | 818561DB | 818560DF | - | 25.0 | 5000 | 120 | - | 25.3 | 26 | 10 | 335 | 281 | no | 54MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 818550 | 818557 | 818551DB | - | - | 24.8 | 5000 | 120 | - | 25.3 | 32 | 10 | 335 | 281 | no | 54MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 812560 | 812567 | 812562DB | - | - | 25.2 | 5000 | 45 | - | 25.3 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 11.75 | 812550 | 812557 | 812552DB | - | - | 25.0 | 5000 | 45 | - | 25.3 | 32 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 22.5 x 13.00 | 835520 | 835527 | 835522DB | - | - | 25.2 | 5500 | -14 | - | 28.0 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive and clip-on |
| 19.5 x 14.00 | - | - | 743402DB | - | - | 23.7 | 4500 | 0 | - | 25.0 | 26 | 8 | 275 | 221 | no | 40MS00N | adhesive |
| 19.5 x 14.00 | - | 748527 | 748521DB | - | - | 21.6 | 4500 | 120 | - | 25.4 | 26 | 10 | 335 | 281 | no | 60MS00N | adhesive and clip-on |
| 22.5 x 14.00 | - | 841517 | 841512DB | - | - | 30.8 | 5800 | 0 | - | 28.6 | 26 | 10 | 335 | 281 | no | 40MS00N | adhesive |
| Wide base drive axle wheels - Important: on 2-axle vehicles TPMS and ESP | | | | | | | | | | | | | | | | | |
| 22.5 x 17.00 | 840510 | - | 840512DB | - | - | 35.8 | 5800 | -67 | - | 28.6 | 32 | 10 | 335 | 281 | no | 70MS07N2 | adhesive |

* FrontRunner®: In case of doubt consult your truck dealer organization which offset is permitted.

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HOWMET WHEEL SYSTEMS
 info.wheels@howmet.com
 www.alcoawheelseurope.com

