



Specification Sheet

Forged Aluminium Alcoa® Wheels

02/2021 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-bulb 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	-	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	-	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 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	88U510DF	88U513DD	22.1	3750	148	168	19.5	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	-	-	22.9	4250	156	176	20.5	32	10	335	281	yes	70MS07N2	adhesive and clip-on

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

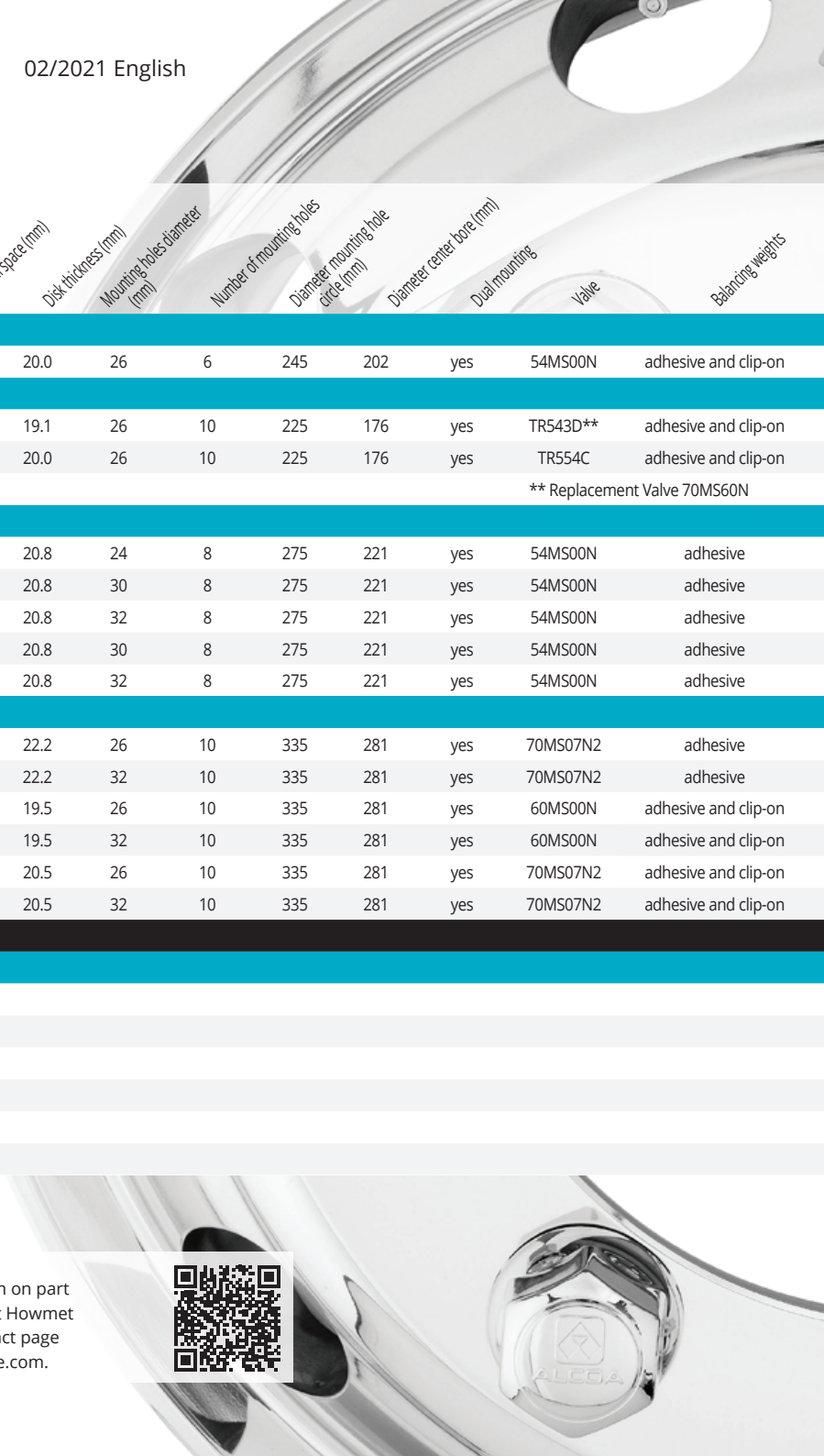
BEFORE MOUNTING CONSULT THE SERVICE MANUAL FOR ALCOA® WHEELS

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.





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Wheel size Part no Brushed Part no LVL ONE® Part no DuraBright® Part no Dura-Flange® Part no Dura-Bright®/Dura-Flange® Weight (kgs) Max. Load (kgs) Offset (mm) Half-bulb space (mm) Disk thickness (mm) Mounting holes diameter (mm) Number of mounting holes Diameter mounting hole circle (mm) Diameter center bore (mm) Dual mounting Value 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
22.5 x 11.75 Ultra ONE®	81U520	81U527	81U521DB	81U520DF	-	22.9	5000	120	-	24.2	26	10	335	281	no	54MS00N	adhesive and clip-on
22.5 x 11.75 Ultra ONE®	81U510	81U517	81U511DB	-	-	22.8	5000	120	-	24.2	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	-	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	-	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 11.75 Ultra ONE®	81U520	81U527	81U521DB	81U520DF	-	22.9	5000	120	-	24.2	26	10	335	281	no	54MS00N	adhesive and clip-on
22.5 x 11.75 Ultra ONE®	81U510	81U517	81U511DB	-	-	22.8	5000	120	-	24.2	32	10	335	281	no	54MS00N	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
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* FrontRunner®: In case of doubt consult your truck dealer organization which offset is permitted.



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

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