



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	
17.5" wheels - for medium duty trucks and buses																		
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	
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	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		
19.5" wheels - for medium duty trucks, buses and trailers																		
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	
22.5" wheels - for trucks, buses and trailers																		
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.



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



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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 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	54MS00N	adhesive and clip-on	
22.5 x 11.75	-	-	814511DB	-	-	25.8	5000	135	-	26.0	32	10	335	281	no	54MS00N	adhesive and clip-on	
Trailer wheels - 19.5" & 22.5" trailer wheels																		
22.5 x 11.75 Ultra ONE®	81U560	81U567	81U562DB	81U560DF	81U562DD	19.9	5000	0	-	19	26	10	335	281	no	40MS00N	adhesive and clip-on	
22.5 x 11.75 Ultra ONE®	81U550	81U557	81U552DB	-	-	19.8	5000	0	-	19	32	10	335	281	no	40MS00N	adhesive and clip-on	
22.5 x 11.75	-	812567	812562DB	-	-	25.2	5000	45	-	25.3	26	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	-	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 - contact your vehicle manufacturer when retrofitting from dual to single mounting																		
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 contact your vehicle manufacturer which offset is permitted.



HOWMET WHEEL SYSTEMS
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