



## Alcoa Dura-Bright® Wheels



Stays Cleaner Longer.



Cleans Easily With Soap and Water.



Lowers Operating Costs and Maintenance.



Increases Vehicle Resale Value.

If you thought an everlasting wheel shine meant high maintenance, think again. Discover the no-polish, easy-maintenance way to bright, shiny wheels that stay that way. Dura-Bright® wheels by Alcoa.



## 2012 Product Spec Guide



## WHEEL SPECIFICATIONS

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 6<sup>th</sup> digit "x" shown in the part number with the appropriate finish option. Finishes are defined as:

- 0 - Brushed finish both sides as applicable\*
- 1 - Polished outside only
- 2 - Polished inside only (same side as roll stamp)
- 3 - Polished both sides
- 7 - LvL ONE® finish on both sides as applicable\*
- 8 - LvL ONE® finish in the inset position of a wide base wheel
- 9 - Brushed finish in the inset position of a wide base wheel

\*0 and 7 on a wide base wheel is finished in the outset position only

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.

The only finishes available for each part number are defined in the Finish Options column.

- 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.
- Capacity ratings as dual or single in highway service.
- Some wheels may bear part numbers not shown in this Spec Guide. Before servicing these wheels, contact your Alcoa wheel representative 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/Ns 84147x, and 84062x are not recommended for use on N-Spindle trailer axles.
- P/Ns 88567x and 98567x are Alcoa Severe Service™ Wheels.
- To obtain information about free training on proper installation and maintenance procedures, contact Alcoa Wheel Products at (800) 242-9898 or on the web at [www.alcoawheels.com](http://www.alcoawheels.com).

Dura-Bright® wheels shine without polishing. Just wash with soap and water, do not polish or clean with abrasives.

Driving Your Bottom Line.™



Alcoa Wheel Products  
Headquarters  
1600 Harvard Avenue  
Cleveland, Ohio 44105  
(800) 242-9898  
[www.alcoawheels.com](http://www.alcoawheels.com)

0 – Brushed finish both sides as applicable\* 1 – Polished outside only 2 – Polished inside only (same side as roll stamp) 3 – Polished both sides 7 – Lvl ONE® finish on both sides as applicable\* 8 – Lvl ONE® finish in the inset position of a widebase wheel 9 – Brushed finish in the inset position of a widebase wheel

\*0 and 7 finish options on wide base wheel are finished in the outset position only.  
 \*\*Hub cover system kits P/N 076185 (front) and P/N 077185 (rear) contain screw-on Hug-a-lug® nut covers and require a minimum of four threads of the stud to extend above the tightened cap nut for use.

DB = Dura-Bright®; DF = Dura-Flange® Wear Protection; DD = Dura-Bright® AND Dura-Flange® Wear Protection

	Size	P/N	Replaces P/N	FINISH OPTIONS: The finish for Alcoa wheels is specified by replacing the 6th digit "x" shown in the part number with the appropriate FINISH OPTION CODE. (Available Finish Option Codes are shown above.)	MOUNTING SYSTEM				OFFSET		LOAD RATING		Approx Wgt (lbs)	Valve Stem	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)
					Bolt Holes	Bolt Circle	Bolt Hole Diameter	Bore	Outset	Inset	Max Load (lbs)	Max Infl (psi)					
<b>HEAVY DUTY</b>																	
Ball Seat	22.5x8.25	88311x		0, 1, 2, 0DB, 1DB, 2DB	10	11.25	1.18	8.722	6.66	5.68	7200	130	52	TR555D	076155	077155	001501
	22.5x9	89300x		0, 1, 2	10	11.25	1.18	8.722	6.94	5.93	9000	130	61	TR554D	076155	077155	001501
	24.5x8.25	98312x		0, 1, 2	10	11.25	1.18	8.722	6.60	5.59	7200	130	59	TR555D	076155	077155	001501
Hub Pilot	22.5x7.5	87340x		0, 1, 2	8	275mm	26mm	221.1mm	6.28	5.44	7300	120	53	TR555D	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
	22.5x8.25	88344x	88342x	0, 1, 2	8	275mm	26mm	221.1mm	6.66	5.79	7400	130	49	TR554D	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
	24.5x8.25	98247x	98340x	7	8	275mm	26mm	221.1mm	6.60	5.73	7300	130	57	TR555D	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
	22.5x7.5	87360x		0, 1, 2, 0DB, 1DB, 2DB	10	285.75mm	26mm	220.1mm	6.28	5.44	7300	120	53	TR555D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
	22.5x8.25	88367x	88364x	1, 2, 3, 7, 0DB, 1DB, 2DB, 3DB, 1DF, 2DF, 7DF, 1DD, 2DD, 3DD	10	285.75mm	26mm	220.1mm	6.60	5.79	7400	130	45	TR554D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
	22.5x8.25	88567x	88560x	1, 2, 7, 1DF, 2DF, 7DF	10	285.75mm	26mm	220.1mm	6.60	5.75	8050	130	52	TR554D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
	22.5x9	89363x		1, 7, 0DB, 1DB	10	285.75mm	26mm	220.1mm	N/A	3.12	10000	130	54	TR555E	076188, 076185**, 086100S	N/A	001811
	22.5x9	89464x	89364x	1, 2, 3, 7, 0DB, 1DB, 2DB, 3DB, 0DF, 1DF, 2DF, 3DF, 7DF, 0DD, 1DD, 2DD, 3DD	10	285.75mm	26mm	220.1mm	6.94	5.96	10000	130	62	TR554D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
	24.5x8.25	98367x	98364x	1, 2, 3, 7, 0DB, 1DB, 2DB, 3DB, 1DF, 2DF, 3DF, 7DF	10	285.75mm	26mm	220.1mm	6.60	5.73	7850	130	56	TR555D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
	24.5x8.25	98567x	98560x	1, 2, 7, 1DF, 2DF, 7DF	10	285.75mm	26mm	220.1mm	6.60	5.63	8300	130	64	TR555D	076188, 076185**, 086100S	077188, 077185**, 087100S	001811
Bus Applications	22.5x8.25	88361x		0, 3, 0DB, 3DB, 0DF, 3DF, 0DD, 3DD	10	11.25	1.18	8.673	6.66	5.81	7300	130	53	TR555D	N/A	N/A	001821
	24.5x8.25	98361x		0, 3, 0DB, 3DB	10	11.25	1.18	8.673	6.60	5.76	7300	130	62	TR555D	N/A	N/A	001821
	22.5x8.25	88651x	88555x	0, 3, 0DB, 3DB, 0DF, 3DF, 0DD, 3DD	10	335mm	32mm	281.2mm	6.60	5.75	8050	138	50	70MS7	N/A	N/A	N/A
	22.5x8.25	88652x	88553x	0, 3, 0DB, 3DB, 0DF, 3DF, 0DD, 3DD	10	335mm	26mm	281.2mm	6.60	5.75	8050	138	50	70MS7	N/A	N/A	001811
	22.5x9	89651x	89555x	0, 3, 0DB, 3DB, 0DF, 3DF	10	335mm	32mm	281.2mm	6.93	6.08	9090	138	51	70MS7	N/A	N/A	N/A
	22.5x9	89652x	89553x	0, 3, 0DB, 3DB, 0DF, 3DF	10	335mm	26mm	281.2mm	6.93	6.08	9090	138	51	70MS7	N/A	N/A	001811
	24.5x8.25	98350x		0, 3	10	335mm	26mm	281.2mm	6.79	5.81	8500	132	63	TR554D	N/A	N/A	001811
<b>WIDE BASE</b>																	
Ball Seat	22.5x12.25	82305x		0, 2	10	11.25	1.18	8.722	3.88	N/A	11400	130	64	TR553E	N/A	077155	001501
				1, 9	10	11.25	1.18	8.722	N/A	2.75	11400	130	64	TR555E	076155	N/A	001501
	22.5x12.25	82306xA		0, 1	10	11.25	1.18	8.722	N/A	4.68	11000	130	69	TR555E	076155	N/A	001501
Hub Pilot	22.5x14	84147x	84140x	2, 7	8	275mm	26mm	221.1mm	2.00	N/A	12800	130	63	TR553E	N/A	082133 (33mm kit) or 109176A (Stainless 33mm)	001811
	22.5x10.5	80360x		1, 1DB	10	285.75mm	26mm	220.1mm	N/A	5.50	10500	130	68	TR553	076188, 076185**, 086100S	N/A	001811
	22.5x12.25	82262x	82360x	2, 7	10	285.75mm	26mm	220.1mm	0.56	N/A	12300	130	60	TR553E	N/A	077188, 077185**, 087100S	001811
	22.5x12.25	82362x	82365x	2, 7, 0DB, 2DB, 2DF, 7DF	10	285.75mm	26mm	220.1mm	3.88	N/A	12300	130	62	TR553E	N/A	077188, 077185**, 087100S	001811
				1, 8, 1DB, 9DB, 1DF, 8DF	10	285.75mm	26mm	220.1mm	N/A	2.75	12300	130	62	TR555E	076188, 076185**, 086100S	N/A	001811
	22.5x12.25	82462x	82364x	1, 7, 0DB, 1DB, 1DF, 7DF	10	285.75mm	26mm	220.1mm	N/A	4.68	12300	130	66	TR552	076188, 076185**, 086100S	N/A	001811
	22.5x13	83462x	83364x	1, 7	10	285.75mm	26mm	220.1mm	N/A	5.30	12800	130	71	TR552	076188, 076185**, 086100S	N/A	001811
	22.5x13	83365x		0, 2	10	285.75mm	26mm	220.1mm	3.50	N/A	12300	130	70	TR553E	N/A	077188, 077185**, 087100S	001811
				1, 9	10	285.75mm	26mm	220.1mm	N/A	2.38	12300	130	70	TR555E	076188, 076185**, 086100S	N/A	001811
				1, 8, 1DB, 9DB, 1DF, 8DF	10	285.75mm	26mm	220.1mm	1.00	N/A	12800	130	58	TR555E	N/A	077188, 077185**, 087100S	001811
22.5x14	84060x	84267x	2, 7, 0DB, 2DB, 2DF, 7DF	10	285.75mm	26mm	220.1mm	N/A	0	12800	130	58	TR553E	N/A	077188, 077185**, 087100S	001811	
22.5x14	84062x	84167x	2, 7, 0DB, 2DB, 2DF, 7DF	10	285.75mm	26mm	220.1mm	2.00	N/A	12800	130	58	TR553E	N/A	077188, 077185**, 087100S	001811	
22.5x13	83358x		0, 1	10	335mm	26mm	281.2mm	N/A	6.12	12800	130	76	TR553	5811	N/A	001811	
<b>MEDIUM DUTY</b>																	
Hub Pilot	16x5.5	25080x		0, 1, 2	6	205mm	16mm	161.1mm	4.94	4.55	2340	80	17	54MS00	021120	022120	000120
Ball Seat	17.5x6.75	66307x		0, 2	10	8.75	1.18	6.495	5.55	4.72	5070	125	31	TR553C	N/A	N/A	001501
Hub Pilot	17.5x6	66480x	66422x	0, 1	6	205mm	21mm	160.3mm	5.00	4.25	4000	130	27	TR554C	N/A	N/A	N/A
	17.5x6.75	66347x		0, 2	8	275mm	24mm	221.1mm	5.55	4.72	5510	130	30	TR553C	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
Hub Pilot	19.5x6	76320x		0, 1, 2	10	225mm	15mm	170.2mm	5.35	4.65	3750	110	33	TR553C	N/A	N/A	N/A
	19.5x6	76380x		0, 1, 2	8	225mm	15mm	170.3mm	5.35	4.65	3750	110	33	TR553C	N/A	N/A	N/A
	19.5x6.75RW	76542x	76449x	0, 1, 2	8	275mm	26mm	221.1mm	5.55	4.84	5000	130	31	TR553C	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
	19.5x7.5RW	77340x		0, 1, 2	8	275mm	24mm	221.1mm	6.10	5.27	6610	142	38	TR553C	082122 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 140233A (Stainless 33mm)	082133 (33mm kit), 082012 (30mm kit Frnt. and Rr.) or 109176A (Stainless 33mm)	001811
	19.5x7.5RW	77362x	77360x	0, 1, 2	10	285.75mm	26mm	220.1mm	6.10	5.23	6700	130	38	TR553C	076188, 076185**, 086100S	077188, 077185**, 087100S	001811