

June 2022

Application Guidelines for 22.5" x 8.25" and 24.5" x 8.25" Wheels

Alcoa® Wheels standard service 22.5" x 8.25" and 24.5" x 8.25" wheels (all finish options) with load ratings from 7300 lb to 7400 lb are not recommended for use on steer or drive axles with GAWR greater than what is approved in the following table (regardless of how the axle is rated on the vehicle placard). The following table summarizes the part numbers, load ratings, and maximum approved loads (per axle configuration) for Alcoa® Wheels standard service 22.5" x 8.25" and 24.5" x 8.25" wheels.

Mounting System	Alcoa Wheels Part Number	Alcoa Wheels Load Rating (lb)	Max Steer Axle GAWR (lb)	Max Drive/Tandem Axle GAWR (lb)
Hub Pilot 10 on 285.75 mm	ULT39	7400	14,800	29,600
	ULA18	7400	14,800	29,600
	ULT36	7400	14,800	29,600
	98U63	7400	14,800	29,600
	Stylized Proprietary	7300	14,600	29,200
	Stylized Proprietary	7400	14,800	29,600

Hub pilot, 10 on 285.75 mm applications exceeding the GAWR's listed in the table above must use Alcoa® Severe Service® part numbers 88565 for 22.5" x 8.25" applications, and 98565 for 24.5" x 8.25" applications, or a wide base wheel with an appropriate load rating to maintain the full rating of the specified axle. For additional mounting systems refer to the Alcoa® Wheels Product Specification Guide for options to meet the intended application. De-rating an axle by using a wheel combination that does not meet the full rating of the axle is not permitted and will void the wheel warranty.

It is recommended that Severe Service® wheels are used in applications that require a 22.5" x 8.25" or 24.5" x 8.25" wheel where lift axles are present due to the high loads that are incurred by the remaining wheels when the lift axle(s) are in a raised position.

If you have any questions regarding the correct wheel for a specific vehicle application, please contact an Alcoa® Wheels Representative or call 800.242.9898.

