

Power assist provides positive control for moving heavy loads



AeroGo Aero-Drives™ provide direct wheel steering and high torque for intuitive and precise placement of heavy loads, even in tight spaces. Drives can be used in combination with the optional guide wheel or in pairs to provide limitless maneuverability up to 240,000 lbs.

Steering. Maneuver and position loads with 360 degree movement in both forward and reverse modes. Use two drives for tandem control and superior positioning in tight spaces.

User Interface. User-friendly, centralized fingertip controls allow the operator to precisely position and place loads in any direction. Easily adjust for varying loads. Traction, air caster pressure, variable speed controls and pressure monitoring gauges.

High Torque, Long Life Piston Style Air Motors. Reliable, heavy duty air motors provide power for hours of continuous use. High initial torque power moves heavy loads without batteries or fuel. Utilizes compressed air power. Suitable for hazardous environments.

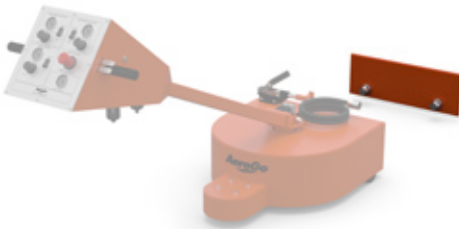
Active Suspension System. Maintains traction over uneven surfaces and automatically accommodates changes in load height due to air caster lift and inflation.

Quick Attach (QA). Drive mounting plates make it possible to use single drive for multiple loads or attach points. Plates should be welded to the load structure. Bolt-on plates are available.

Advantages to Moving Heavy Loads with Air Caster Technology:

- Low profile
- Low friction – no floor damage
- Economical and reliable
- Flexible for a variety of applications
- Easy omnidirectional multi-positioning
- Precise positioning without floor damage compared to traditional material handling equipment methods
- Ergonomic – reduces lift hazards
- Utilizes existing shop air
- Aero-Casters meet ASME specifications

Standard Specification							Metric Specification				
Part Number	Model	Speed Range (ft/min)	Air Consumption		Net Wt (lbs)	Rated Load Capacity* (Tons)	Speed Range (m/min)	Air Consumption		Net Wt (kg)	Rated Load Capacity* (Tonnes)
			SCFM	@PSI				L/sec	Bar (kg/cm ²)		
33165	AG700E-QA	0-40	40	90	360	23	0-12	19	6.3	163	21
33165	AG1250E-QA	0-40	40	90	550	41	0-12	19	6.3	249	37
33165	AG2000E-QA	0-40	62	90	780	66	0-12	29	6.3	354	60
33165	AG3500-E-QA	0-40	83	90	900	106	0-12	39	6.3	408	96



Extra Quick-Attach (QA) Plates

The Quick-Attach system is designed for sturdy attachment to load structure frame. Special provisions required for attachment to thin-profile aluminum extrusion. Call AeroGo for specific pricing, applications, requirements, attachment design and sizing to load and floor conditions.

Model	Net Wt (lbs)	Net Wt (kg)
20524	20	9
20530	50	23
20832	70	32
21150	136	62

Each Aero-Drive includes:

- Drive housing with high-torque air motor
- Pivoting steering handle
- Control panel
- Single QA Plate

Available options:

- Guide Wheel Controls
- Caster Control
- Remote Control Pendant
- Internal Drives
- Extra QA Plates
- Clean room and stainless steel

Aero-Drive Attachment

The Aero-Drive attaches to the load with a dual-post Quick-Attach (QA) system that is specially designed to provide a rigid connection that can be uncoupled for flexibility. The QA system incorporates a dual-post QA Plate that is bolted or welded to the load structure and a mating connection designed into the Aero-Drive. This allows the drive to be removed or connected to multiple loads or attachment locations. A drive would normally be designed for attachment to a structure that includes a Guide Wheel for car-like steering. Two drives may be connected to a structure on each end for greater omni-directional steering options or more precise positioning.



Larger Aero-Drive units are available up to 11,000 lbs (4,990 kg)

*Based on general industry and good floor conditions with max 0.2% slope. A steeper slope would allow less capacity of load. Contact factory for specific recommendations.