



AIR CASTER RIGGING SYSTEM

Safely maneuver & position heavy loads
without floor damage



ABOUT AEROGO

AeroGo, Inc. is a proven world leader in the engineering, design, manufacturing and support of material transport systems. AeroGo products comply with ISO 9001:2015 quality standards and are CE compliant. AeroGo Aero-Casters are the only air casters that meet American Society of Mechanical Engineers B30.1 requirements. AeroGo offers a full complement of support services throughout the world.

To discuss your specific application, contact a product application engineer at **1-800-426-4757** or email **info@aerogo.com**. Live chat is available at **www.aerogo.com**

QUALITY MANAGEMENT SYSTEM
ISO 9001:2015
CERTIFICATE FM588888



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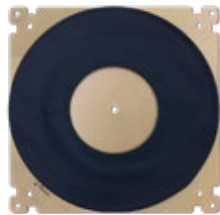
Innovative Load Moving Solutions

What are Air Casters?

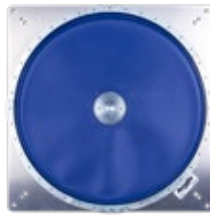
IT'S ALL ABOUT THE FLOAT



DuraMax
Superior abrasion
resistance



DuraFloat
Low pressure
applications



DuraGlide
For areas with a lot
of debris



Gapmaster
To cross gaps & steps

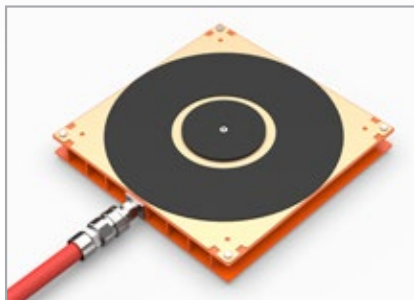
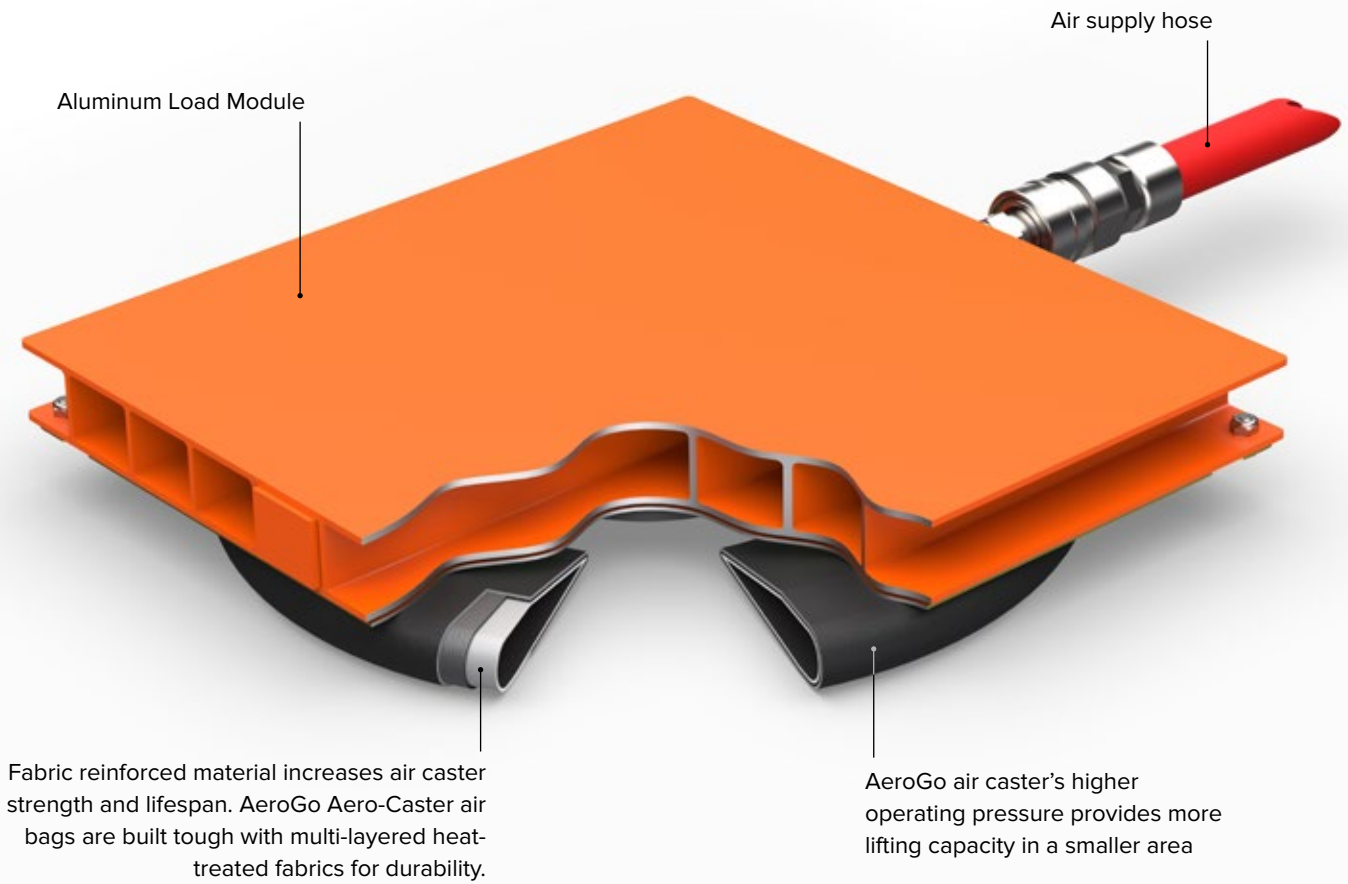
An air caster is a pneumatic lifting device that captures compressed air inside a round inflatable bag. At a specific point, the air escapes under the bag which creates lift and suspension similar to how a hovercraft or an air hockey puck ‘floats’ on air.

The beauty of this technology is that floating on air means friction is virtually eliminated, making it possible for one or a few operators to move extraordinarily heavy load weights. An added benefit is that weight is distributed across a wide area to reduce stress on floors.



The American Society of Mechanical Engineers is one of the oldest standards-developing organizations in America. It produces approximately 600 codes and standards in technical areas.

AeroGo Aero-Casters are the only air casters that meet or exceed ASME B30.1 standards. AeroGo Aero-Casters have been tested and proven to provide superior service life and superior wear resistance.



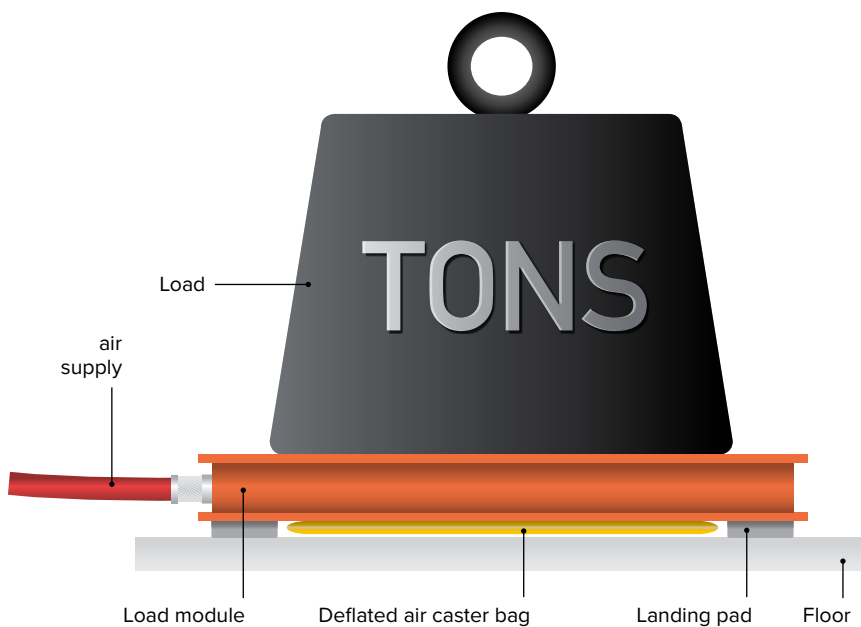
Aero-Caster Air Caster Integration
AeroGo's Aero-Caster is installed on the bottom side of the load module.

How Air Casters Work

FLOATING ON A FILM OF AIR

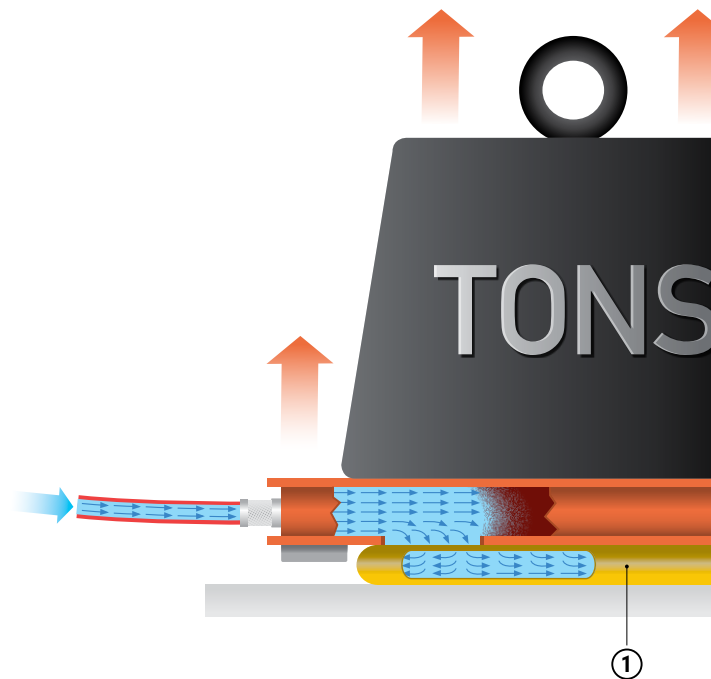
Step 1: Setup

The load is supported by **load modules**. The deflated air caster bag is protected by landing pads.



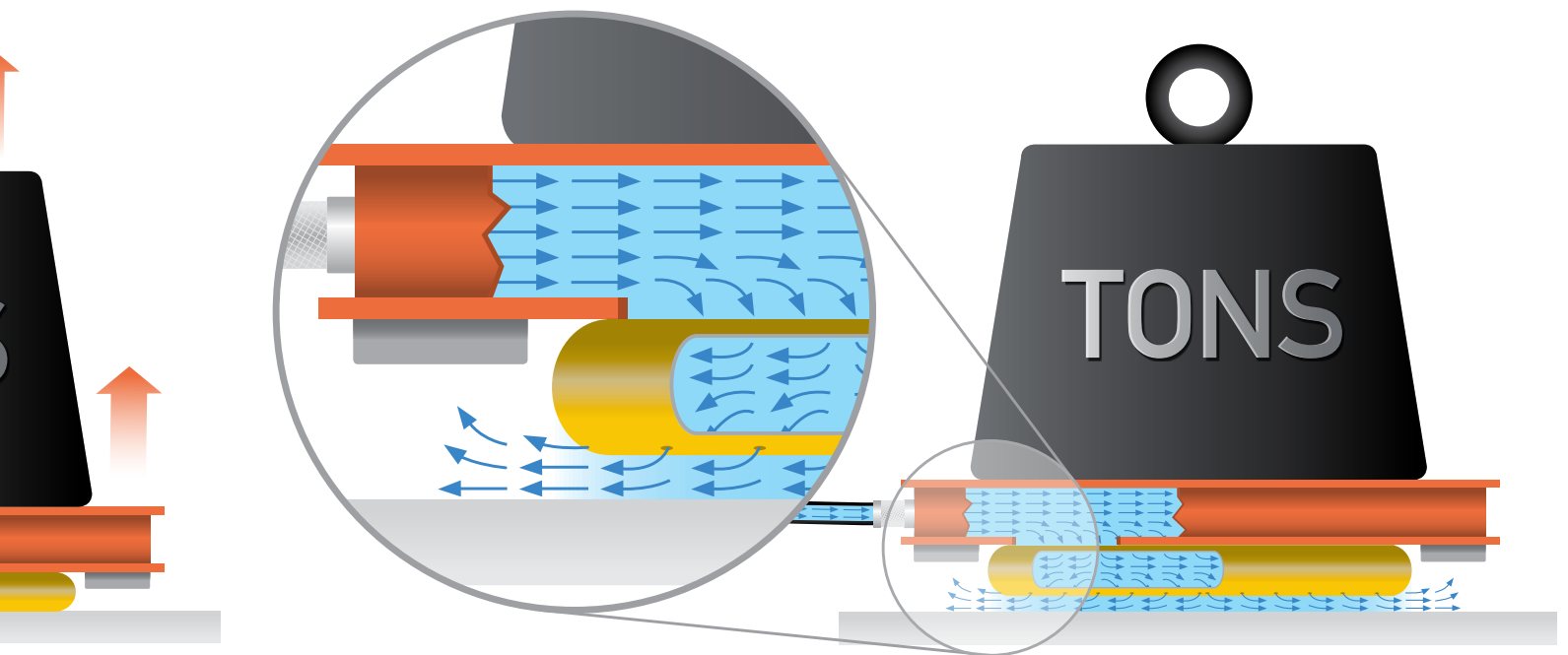
Step 2: Liftoff

Compressed air is supplied to the air inlet and the **air caster ① inflates**. As the air caster inflates, it seals to the floor and the load is lifted.



Step 3: Float & Hover

Air pressure increases to the point that it offsets the weight of the load. Then, air escapes **between the air caster and the floor**, creating the film of air that makes the load move similar to a puck on an air hockey table. Friction is virtually eliminated, making it possible to move the load in all directions – full omnidirectional movement.



Why Air Casters are the right choice

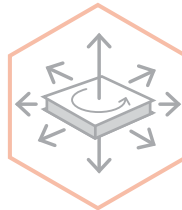
GOODBYE FORKLIFTS, CRANES & WHEELS

Air casters offer a significant reduction in downtime and manpower costs while realizing significant safety gains.



LOW FRICTION

- Move/transport heavy weights/loads with low effort
- 1/10th the effort of wheels or rollers
- Move more with less people



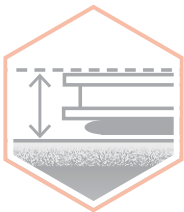
OMNI DIRECTIONAL MOVEMENT

- Moves in any direction effortlessly
- Easily maneuver & position machinery



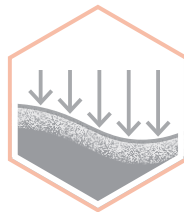
LOW FLOOR LOAD/PRESSURE

- Spreads load weight over a large area
- Protects floor surface from damage



LOW PROFILE

- Lightweight, low profile module is easy to slide under a machine/load/equipment
- Fits into places other solutions can't
- Minimize head room required



LONG TRAVEL SUSPENSION

- AeroGo high lift air casters provide suspension for operation on real-world floors
- Provides load sharing and stays in place under the load, even on uneven surfaces



TIME SAVING

- Inflating the air caster lifts the machine/load off the floor
- Saves time and simplifies the move

AeroGo Air Caster Rigging Systems

FLEXIBLE SYSTEM MOVES UP TO 270 TONS

DESIGNED FOR OPERATOR EASE OF USE & LONG SERVICE LIFE

Control console with lockable pressure regulators. Precision air pressure regulators for load leveling and safety as required by ASME safety specifications.

Durable aluminum load module will not rust or corrode.

Ball valve on main air inlet

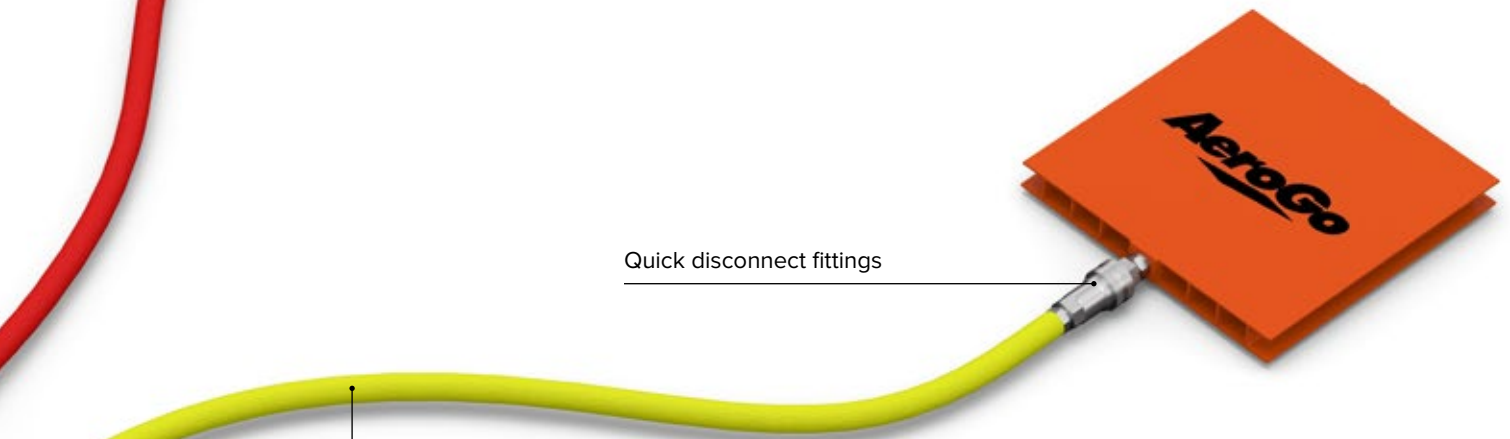
Wheeled casters allow control console to follow load without carrying

Easy-carry handle also protects regulators



Lightweight module is easy to position

When setting up a move, load modules are placed as needed to support and share the load weight. That's when you really appreciate that AeroGo's aluminum load modules are two-thirds lighter than steel.



Quick disconnect fittings

Color-coded hoses ensures safer setup and easier operation.



Built-In Air Filtration Maximizes Uptime

AeroGo is the only Air Caster Rigging System with built in air filtration. This capability ensures system reliability when using less than pristine sources of air.

The AeroGo Difference

TRUSTED PARTNER WHEN MOVING HEAVY LOADS

Professional Application Assistance

Onsite, on the phone, or online application assistance and system operation and safety training.

Higher Operating Pressure

More lifting capacity in a smaller footprint.

Upgradeable

A rigging system can increase capacity or be used in special applications just by swapping to a different Aero-Caster.

Longest Warranty in the Industry

2 year warranty on standard products

Strongest Aero-Caster Construction

All AeroGo Aero-Casters are load tested and quality assured to meet or exceed ASME B30.1 2:1 overload requirements.



Selection Guide

Consider these 4 situations to determine the best AeroGo rigging system for your specific application. Questions? Contact info@aerogo.com

1	MOVE FREQUENCY	AEROGO PRODUCT
	Frequent or repetitive	DuraMax
	One-time move	DuraFloat unless floor conditions indicate otherwise

2	SURFACE TYPE	AEROGO PRODUCT
	Antiskid	DuraMax or DuraFloat + overlay
	Asphalt	DuraMax or DuraFloat + overlay
	Concrete	DuraMax or DuraFloat + overlay
	Debris on floor is typical	DuraGlide
	Elevated platform	DuraMax or DuraFloat + overlay
	Expansion joints	DuraMax or DuraFloat + overlay
	Gaps, steps, and crevices	Gapmaster + overlay, tape, or fill depending on size of gaps, steps and crevices
	Mezzanine	DuraMax + plate overlay
	Minimal load bearing	Gapmaster + overlay
	Porous surface	DuraMax or DuraFloat + overlay
	Raised floor	Gapmaster
	Ramps	Contact factory
	Rough surface texture	DuraMax or DuraFloat + overlay
	Sloped floors	Contact factory
	Smooth surface	DuraMax or Durafloat
	Steps and projections	Gapmaster + overlay, tape or fill
	T-slots	Gapmaster
	Unevenness or undulations	Gapmaster
	Wood floor	Gapmaster with load-bearing overlay; contact factory

3	ENVIRONMENT	AEROGO PRODUCT
	Cleanroom environment	Gapmaster
	Explosion proof environment	Contact factory for information on specialty Aero-Casters
	FDA approved environment	Gapmaster; contact factory for additional information
	Marine	DuraFloat with overlay

4	# OF POINTS OF LOAD CONTACT	AEROGO PRODUCT
	4	Select a '4K' model number that accommodates the load weight
	6	Select a '6K' model number that accommodates the load weight
	> 6	Contact factory for verification or questions

“ FROM OUR CUSTOMERS ”

We manufacture very heavy products which are large in size. Our first factory had a relatively thin cement slab and ceilings were made out of wood beams so overhead cranes and heavy load forklifts were not an option. So we decided to make our products fly!

Downtime and manpower are greatly reduced when using AeroGo rigging systems to move 100,000 lb. pharmaceutical production equipment in and out of the plant.

DuraMax

DuraMax



AIR CASTER RIGGING SYSTEM

DuraMax

PREMIERE SYSTEM
 HIGHEST DURABILITY
 SUPERIOR RESISTANCE TO SURFACE ABRASION
 FOR FREQUENT OR LONG MOVES ON ROUGH FLOORS
 MEETS ASME B30.1 REQUIREMENTS



Standard Specification

Model	System capacity* (lbs)	Number of load modules	Dimensions of each load module L x W x H	Lift height (in)	Operating Pressure** (psig)	Recommended air volume (scfm)***	System net wt (lbs)
4K12UL	10,000	4	12-1/8 x 12-1/8 x 1-7/8	3/4	30	14	80
6K12UL	15,000	6	12-1/8 x 12-1/8 x 1-7/8	3/4	30	14	135
4K15UL	17,000	4	15-1/8 x 15-1/8 x 1-7/8	7/8	30	12	115
6K15UL	25,500	6	15-1/8 x 15-1/8 x 1-7/8	7/8	30	12	170
4K21UL	28,000	4	21-1/8 x 21-1/8 x 2	1-1/8	25	14	170
4K15UHDL	34,000	4	15-1/8 x 15-1/8 x 1-7/8	7/8	60	16	125
6K21UL	42,000	6	21-1/8 x 21-1/8 x 2	1-1/8	25	14	255
6K15UHDL	51,000	6	15-1/8 x 15-1/8 x 1-7/8	7/8	60	16	185
4K27UL	56,000	4	27-1/8 x 27-1/8 x 2-7/16	1-3/8	30	32	290
4K21UHDL	56,000	4	21-1/8 x 21-1/8 x 2	1-1/8	50	30	180
6K27UL	84,000	6	27-1/8 x 27-1/8 x 2-7/16	1-3/8	30	32	425
6K21UHDL	84,000	6	21-1/8 x 21-1/8 x 2	1-1/8	50	30	275
4K36UL	96,000	4	36-1/8 x 36-1/8 x 2-11/16	1-3/4	30	43	465
4K27UHDL	112,000	4	27-1/8 x 27-1/8 x 2-7/16	1-1/2	60	72	315
6K36UL	144,000	6	36-1/8 x 36-1/8 x 2-11/16	1-3/4	30	43	685
6K27UHDL	168,000	6	27-1/8 x 27-1/8 x 2-7/16	1-1/2	60	72	460
4K48UL	192,000	4	48-1/8 x 48-1/8 x 2-11/16	2-5/8	30	47	760
4K36UHDL	200,000	4	36-1/8 x 36-1/8 x 2-11/16	1-7/8	60	81	495
6K48UL	288,000	6	48-1/8 x 48-1/8 x 2-11/16	2-5/8	30	47	1130
6K36UHDL	300,000	6	36-1/8 x 36-1/8 x 2-11/16	1-7/8	60	81	730
4K48UHDL	360,000	4	48-1/8 x 48-1/8 x 2-11/16	2-1/2	60	90	845
6K48UHDL	540,000	6	48-1/8 x 48-1/8 x 2-11/16	2-1/2	60	90	1250

* Load must be positioned so individual Aero-Caster capacities are not exceeded.

** Recommended supply pressure: 25 psig above rated operating pressure.

*** Air maximum load on required smooth troweled and sealed concrete or equivalent. (Includes large Reserve Factor).

DuraMax rigging system includes

4 or 6 load modules	Fixed mount* Aero-Casters (slide mount is optional)
4 or 6 load modules	20' color-coded hoses with Quick Disconnect fittings
1	Control Console with Quick Disconnect fittings
1	Rigging System operations and maintenance manual
Warranty	2 year
Options	See page 38 for available options

* Fixed mount Aero-Casters screw directly onto the load module and are used in situations where the rigging system will be portable. The Slide Mount option is used for situations where the rigging system will be under load most of the time; the Aero-Caster slides in and out of a locking rail system for easy replacement.

Metric Specification

Model #	System capacity* (kg)	Number of load modules	Dimensions of each load module L x W x H	Lift height (mm)	Operating Pressure** (kg/cm ²)	Recommended air volume (l/sec)***	System net wt (kg)
4K12UL	4,535	4	308 x 308 x 48	19	2.1	46	36
6K12UL	6,804	6	308 x 308 x 48	19	2.1	70	61
4K15UL	7,710	4	384 x 384 x 48	22	2.1	40	52
6K15UL	11,562	6	384 x 384 x 48	22	2.1	60	77
4K21UL	12,698	4	537 x 537 x 51	29	1.8	46	77
4K15UHDL	15,420	4	384 x 384 x 48	22	4.2	53	57
6K21UL	19,050	6	537 x 537 x 51	29	1.8	70	116
6K15UHDL	23,130	6	384 x 384 x 48	22	4.2	81	84
4K27UL	25,397	4	689 x 689 x 62	35	2.1	106	132
4K21UHDL	25,397	4	537 x 537 x 51	29	3.5	99	82
6K27UL	38,094	6	689 x 689 x 62	35	2.1	159	193
6K21UHDL	38,094	6	537 x 537 x 51	29	3.5	149	125
4K36UL	43,537	4	918 x 918 x 68	44	2.1	142	211
4K27UHDL	50,794	4	689 x 689 x 62	38	4.2	238	143
6K36UL	65,304	6	918 x 918 x 68	44	2.1	214	311
6K27UHDL	76,188	6	689 x 689 x 62	38	4.2	357	209
4K48UL	87,075	4	1222 x 1222 x 68	67	2.1	155	345
4K36UHDL	90,703	4	918 x 918 x 68	48	4.2	268	225
6K48UL	130,614	6	1222 x 1222 x 68	67	2.1	233	513
6K36UHDL	136,056	6	918 x 918 x 68	48	4.2	401	331
4K48UHDL	163,265	4	1222 x 1222 x 68	64	4.2	297	384
4K48SUHDL	217,687	4	1222 x 1222 x 68	64	5.3	314	384
6K48UHDL	244,896	6	1222 x 1222 x 68	64	4.2	446	567

* Load must be positioned so individual Aero-Caster capacities are not exceeded.

** Recommended supply pressure: 25 psig above rated operating pressure.

*** Air maximum load on required smooth troweled and sealed concrete or equivalent. (Includes large Reserve Factor).

“ FROM OUR CUSTOMERS ”

We choose AeroGo air caster systems because they have a high load capacity and are gentle on the floor. AeroGo is our standard air caster provider. The on-site help is a big positive.

DuraFloat

SWIFT

PLEASE
DO NOT
SPRAY GLUE
INSIDE HAAS

AeroGo

30
HORSEPOWER
HIGH TORQUE
710 RPM
TOOL
LESS

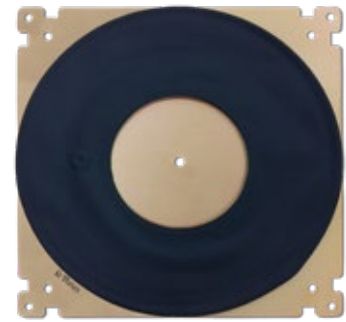
DuraFloat



AIR CASTER RIGGING SYSTEM

DuraFloat

HIGH COMPLIANCE
 BEST FOR LOW PRESSURE APPLICATIONS
 LOW AIR CONSUMPTION
 MEETS ASME B30.1 REQUIREMENTS



Standard Specification

Model	System capacity* (lbs)	Rated pressure (psig)	System air flow		Effective lift (in.)	Air Caster Element Nominal Dimensions L x W x H (in.)
			1/4 load** (SCFM)	Full load** (SCFM)		
4K8NL	4,000	25	16	32	3/8	8-1/8 x 8-1/8 x 1-7/8
6K8NL	6,000	25	24	48	3/8	8-1/8 x 8-1/8 x 1-7/8
4K8NHDL	8,000	50	24	48	3/8	8-1/8 x 8-1/8 x 1-7/8
4K12NL	10,000	30	36	56	3/4	12-1/8 x 12-1/8 x 1-7/8
6K8NHDL	12,000	50	36	72	3/8	8-1/8 x 8-1/8 x 1-7/8
6K12NL	15,000	30	54	84	3/4	12-1/8 x 12-1/8 x 1-7/8
4K15NL	17,000	30	32	56	7/8	15-1/8 x 15-1/8 x 1-7/8
4K12NHDL	20,000	60	36	64	3/4	12-1/8 x 12-1/8 x 1-7/8
6K15NL	25,500	30	48	84	7/8	15-1/8 x 15-1/8 x 1-7/8
4K21NL	28,000	25	32	48	1-1/8	21-1/8 x 21-1/8 x 2
6K12NHDL	30,000	60	54	96	3/4	12-1/8 x 12-1/8 x 1-7/8
4K15NHDL	34,000	60	44	80	7/8	15-1/8 x 15-1/8 x 1-7/8
6K21NL	42,000	25	48	72	1-1/8	21-1/8 x 21-1/8 x 2
6K15NHDL	51,000	60	66	120	7/8	15-1/8 x 15-1/8 x 1-7/8
4K27NL	56,000	30	64	88	1-3/8	27-1/8 x 27-1/8 x 2-7/16
4K21NHDL	64,000	60	60	100	1-1/4	21-1/8 x 21-1/8 x 2
6K27NL	84,000	30	96	132	1-3/8	27-1/8 x 27-1/8 x 2-7/16
4K36NL	96,000	30	80	116	1-3/4	36-1/8 x 36-1/8 x 2-11/16
6K21NHDL	96,000	60	90	150	1-1/4	21-1/8 x 21-1/8 x 2
4K27NHDL	112,000	60	96	192	1-1/2	27-1/8 x 27-1/8 x 2-7/16
6K36NL	144,000	30	120	174	1-3/4	36-1/8 x 36-1/8 x 2-11/16
6K27NHDL	168,000	60	144	288	1-1/2	27-1/8 x 27-1/8 x 2-7/16
4K48NL	192,000	30	84	124	2-5/8	48-1/8 x 48-1/8 x 2-11/16
4K36NHDL	200,000	60	108	216	1-7/8	36-1/8 x 36-1/8 x 2-11/16
6K48NL	288,000	30	126	186	2-5/8	48-1/8 x 48-1/8 x 2-11/16
6K36NHDL	300,000	60	162	324	1-7/8	36-1/8 x 36-1/8 x 2-11/16
4K48NHDL	360,000	60	192	240	2-1/2	48-1/8 x 48-1/8 x 2-11/16
6K48NHDL	540,000	60	288	360	2-1/2	48-1/8 x 48-1/8 x 2-11/16

Recommended supply pressure: 90 psi

*Load must be positioned so individual Aero-Caster capacities are not exceeded.

**Maximum compressed air consumption on a smooth troweled and sealed concrete or equivalent surface. (Includes large Reserve Factor)

DuraFloat rigging system includes

4 or 6 load modules	Fixed mount* Aero-Casters (slide mount is optional)
4 or 6 load modules	20' color-coded hoses with Quick Disconnect fittings
1	Control Console with Quick Disconnect fittings
1	Rigging System operations and maintenance manual
Warranty	2 year
Options	See page 38 for available options

* Fixed mount Aero-Casters screw directly onto the load module and are used in situations where the rigging system will be portable. The Slide Mount option is used for situations where the rigging system will be under load most of the time; the Aero-Caster slides in and out of a locking rail system for easy replacement.

Metric Specification

Model	System capacity* (kg)	Rated pressure (kg/cm ²)	System air flow		Effective lift (mm)	Air Caster Element Nominal Dimensions L x W x H (mm)
			1/4 load** (L/sec)	Full load** (L/sec)		
4K8NL	1,814	1.8	7.6	15.2	10	206 x 206 x 48
6K8NL	2,721	1.8	11.4	22.8	10	206 x 206 x 48
4K8NHDL	3,628	3.5	11.2	22.8	10	206 x 206 x 48
4K12NL	4,535	2.1	16.8	26.4	19	308 x 308 x 48
6K8NHDL	5,442	3.5	16.8	34.2	10	206 x 206 x 48
6K12NL	6,803	2.1	25.2	39.6	19	308 x 308 x 48
4K15NL	7,710	2.1	15.2	26.4	22	384 x 384 x 48
4K12NHDL	9,070	4.2	16.8	30.4	19	308 x 308 x 48
6K15NL	11,565	2.1	22.8	39.6	22	384 x 384 x 48
4K21NL	12,698	1.8	15.2	22.8	29	537 x 537 x 51
6K12NHDL	13,605	4.2	25.2	45.6	19	308 x 308 x 48
4K15NHDL	15,420	4.2	20.8	37.6	22	384 x 384 x 48
6K21NL	19,048	1.8	22.8	34.2	29	537 x 537 x 51
6K15NHDL	23,129	4.2	31.2	56.4	22	384 x 384 x 48
4K27NL	25,397	2.1	30.4	41.6	35	689 x 689 x 62
4K21NHDL	29,025	4.2	28.4	47.2	32	537 x 537 x 51
6K27NL	38,095	2.1	45.6	62.4	35	689 x 689 x 62
4K36NL	43,537	2.1	37.6	54.8	44	918 x 918 x 68
6K21NHDL	43,537	4.2	42.6	70.8	32	537 x 537 x 51
4K27NHDL	50,794	4.2	45.2	90.8	38	689 x 689 x 62
6K36NL	65,306	2.1	56.4	82.2	44	918 x 918 x 68
6K27NHDL	76,190	4.2	67.8	136.2	38	689 x 689 x 62
4K48NL	87,075	2.1	39.6	58.4	67	1222 x 1222 x 68
4K36NHDL	90,703	4.2	50.8	102	48	918 x 918 x 68
6K48NL	130,612	2.1	59.4	87.6	67	1222 x 1222 x 68
6K36NHDL	136,054	4.2	76.2	153	48	918 x 918 x 68
4K48NHDL	163,265	4.2	90.8	113.2	64	1222 x 1222 x 68
6K48NHDL	244,898	4.2	136.2	169.8	64	1222 x 1222 x 68

Recommended supply pressure: 6.3 kg/cm²

*Load must be positioned so individual Aero-Caster capacities are not exceeded.

**Maximum compressed air consumption on a smooth troweled and sealed concrete or equivalent surface. (Includes large Reserve Factor)

“ FROM OUR CUSTOMERS ”

Very knowledgeable sales, factory and application engineering staff who were extremely helpful and responded in a very timely fashion to our questions. Workmanship was outstanding!

Gapmaster™

Gapmaster™



AIR CASTER RIGGING SYSTEM

Gapmaster

BEST FOR FLOORS WITH GAPS AND STEPS

TYPICALLY USED IN CLEAN ROOMS,
AEROSPACE, AND THEATRICAL

MEETS ASME B30.1 REQUIREMENTS

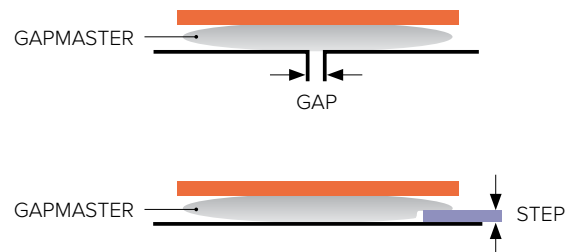


Standard Specification

Model	System capacity (lbs)	Rated pressure (psig)	System air flow		Effective lift (in.)	Air Caster Element Nominal Dimensions L x W x H (in.)	Max step (in.)	Max gap (in.)
			1/4 load (SCFM)	Full load (SCFM)				
4K12GL	4,800	15	36	60	1	12-1/8 x 12-1/8 x 2	0.25	0.6
4K15GL	8,000	15	44	72	1-3/8	15-1/8 x 15-1/8 x 2	0.25	0.6
4K21GL	16,000	15	48	80	1-7/8	21-1/8 x 21-1/8 x 2	0.25	0.6
4K15GHDL	18,400	35	56	120	1-3/8	15-1/8 x 15-1/8 x 2	0.25	0.6
4K27GL	28,000	15	56	100	2	27-1/8 x 27-1/8 x 2-7/16	0.25	0.6
4K21GHDL	32,000	30	64	140	1-5/8	21-1/8 x 21-1/8 x 2	0.25	0.6
4K36GL	48,000	15	68	120	2-1/4	36-1/8 x 36-1/8 x 2-11/16	0.25	0.6
4K27GHD	66,000	35	80	180	1-3/4	27-1/8 x 27-1/8 x 2-7/16	0.25	0.6
4K36GHD	96,000	30	104	240	2	36-1/8 x 36-1/8 x 2-11/16	0.25	0.6

How it works

A perforated membrane encloses the Gapmaster air caster and meters the rate of airflow. Upon encountering a gap, rapid outflow of air is prevented by the metering action of the membrane. Since the load is actually floating over the surface, the potential for floor damage is substantially reduced. See table for maximum step and gap specifications.



Gapmaster rigging system includes

4 load modules	Fixed mount* Aero-Casters (slide mount is optional)
4 load modules	20' color-coded hoses with Quick Disconnect fittings
1	Control Console with Quick Disconnect fittings
1	Rigging System operations and maintenance manual
Warranty	2 year
Options	See page 38 for available options

* Fixed mount Aero-Casters screw directly onto the load module and are used in situations where the rigging system will be portable. The Slide Mount option is used for situations where the rigging system will be under load most of the time; the Aero-Caster slides in and out of a locking rail system for easy replacement.

Metric Specification

Model	System capacity (kg)	Rated pressure (kg/cm ²)	System air flow		Effective lift (mm)	Air Caster Element Nominal Dimensions L x W x H (mm)	Max step (mm)	Max gap (mm)
			1/4 load (L/sec)	Full load (L/sec)				
4K12GL	2,176	1.1	16.8	28	25	308 x 308 x 51	6.35	15.24
4K15GL	3,628	1.1	20.8	34	35	384 x 384 x 51	6.35	15.24
4K21GL	7,256	1.1	22.8	38	48	537 x 537 x 51	6.35	15.24
4K15GHDL	8,344	2.5	26.4	57	35	384 x 384 x 51	2.03	15.24
4K27GL	12,700	1.1	26.4	47.2	51	689 x 689 x 62	9.65	20.32
4K21GHDL	14,512	2.1	30.4	66	41	537 x 537 x 51	5.08	15.24
4K36GL	21,768	1.1	32	7	57	918 x 918 x 68	9.65	20.32
4K27GHD	29,932	2.5	37.6	85	44	689 x 689 x 62	5.08	15.24
4K36GHD	43,536	2.1	49.2	113	51	918 x 918 x 68	5.08	15.24



System virtually disappears when painted black or matte black for the stage.



Industries with epoxy floors, clean rooms, semiconductors and aerospace typically specify Gapmaster air caster systems

“ FROM OUR CUSTOMERS ”

We had multiple conversations with other technologies, internet searches, etc. AeroGo's products were the best fit and value for our application. They provided a better long-term cost solution.

Rigging Kits



AIR CASTER RIGGING SYSTEM

Rigging Kits

COMPLETE AIR CASTER SYSTEM INCLUDES
 CONVENIENT LOCKABLE STEEL STORAGE BOX
 INCLUDES DURAFLOAT AERO-CASTERS
 MEETS ASME B30.1 REQUIREMENTS



Standard Specification

Model	System capacity* (lbs)	Control Console	Dimensions of each Load Module LxWxH (inches)	Lift Height (in.)	Recommended Air Volume** (scfm)	Box Size	Combined System & Box Wt. (lbs)
4BK12NL	10,000	BN34	12-1/8 x 12-1/8 x 1-7/8	3/4	98	Small	157
4BK15NL	17,000	BN34	15-1/8 x 15-1/8 x 1-7/8	7/8	98	Small	192
4BK12NHDL	20,000	BN34	12-1/8 x 12-1/8 x 1-7/8	3/4	112	Small	162
4BK21NL	28,000	BN64	21-1/8 x 21-1/8 x 2	1-1/8	84	Large	247
4BK15NHDL	34,000	BN34	15-1/8 x 15-1/8 x 1-7/8	7/8	140	Small	202
4BK21NHDL	64,000	BN64	21-1/8 x 21-1/8 x 2	1-1/4	175	Large	262

Recommended air supply pressure: 90 psi

Wheeled caster kit includes 2 swivel casters, 2 fixed casters, and mounting hardware.

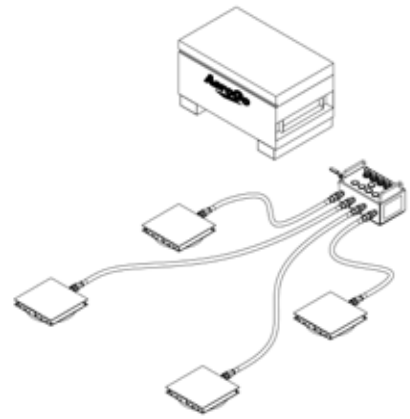
*Load must be positioned so individual Aero-Caster capacities are not exceeded.

**Maximum compressed air consumption on a smooth troweled and sealed concrete or equivalent surface. (Includes large Reserve Factor)

***Add 5.25" to height and 10 lbs. to weight if optional wheel caster kit is installed.

Kit Contents

4	Load Modules with standard mount Aero-Casters
4	1/2" x 20' hose with QD fittings (1 each: red, black, green, blue)
1	Control Console with QD fittings
1	Rigging system operations and maintenance manual
1	Industrial storage box
2	2" x 50 yd. roll aluminum foil tape



Storage Box

	Systems Stored	Weight (lbs)*	Box Dimensions LxWxH (in)*
Small	12" and 15" 4K systems	77	19 x 32 x 18.25
Large	21" 4K systems	149	24 x 48 x 28

*Add 5.25" to height and 10 lbs. to weight if optional wheel caster kit is installed.



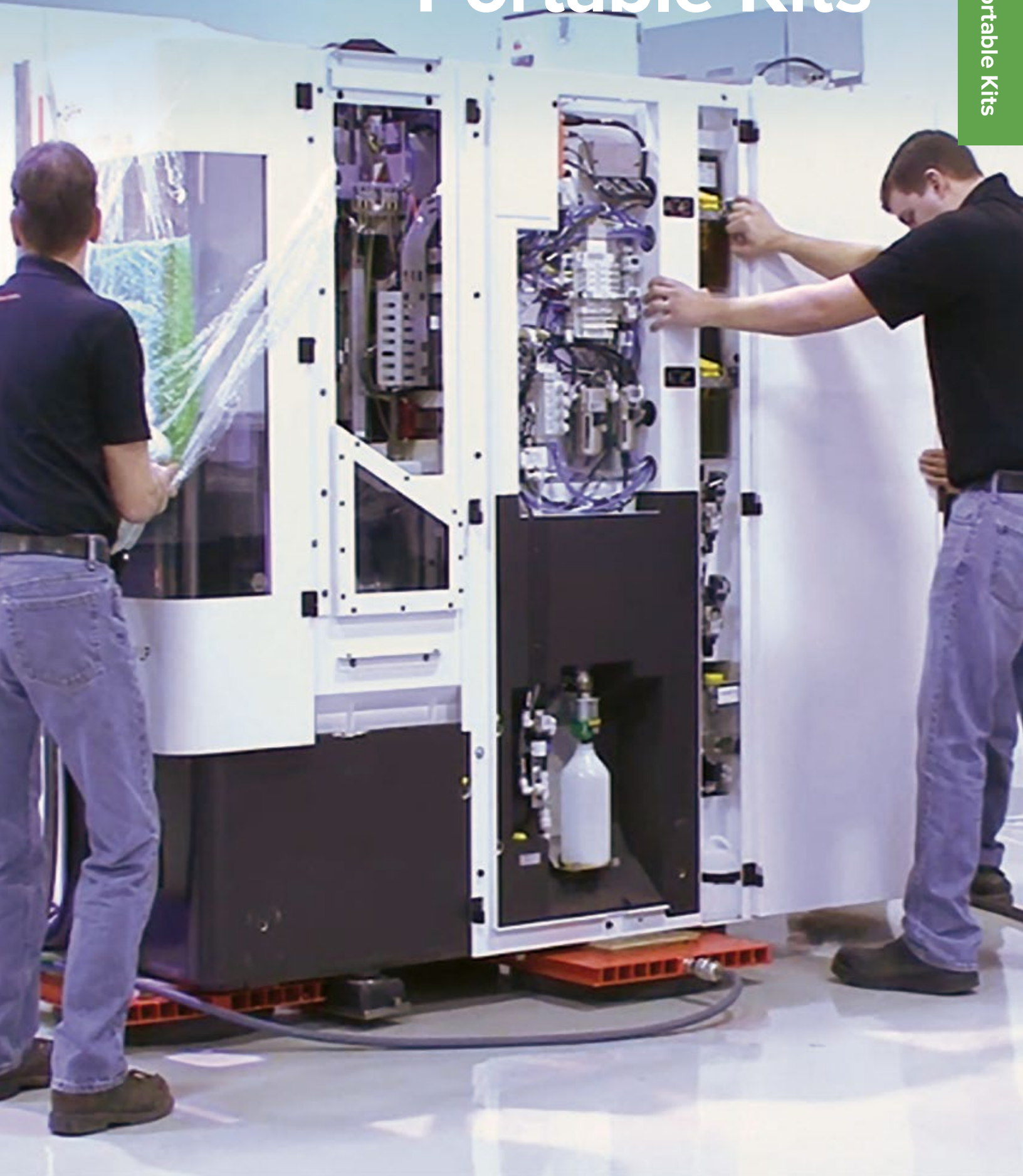
“ FROM OUR CUSTOMERS ”

We chose air casters as the solution to our load moving problem because they are so flexible and they don't damage our epoxy floors like rollers or forklifts. We compared price, quality and service and we chose AeroGo air caster rigging systems. The timely and professional service has been a positive experience.

Floated loads displace weight, reducing the possibility of damage to expensive epoxy floors.

Portable Kits

Portable Kits



AIR CASTER RIGGING SYSTEM

Portable Kits

COMPACT AND FLEXIBLE
COMPLETE AIR CASTER RIGGING SYSTEM
INCLUDES ROLLABLE PLASTIC STORAGE BOX
INCLUDES DURAFLOAT AERO-CASTERS
MEETS ASME B30.1 REQUIREMENTS



Standard Specification

Model	System capacity* (lbs)	Rated Pressure (psig)	System Air Flow		Effective lift (in.)	Air Caster Element Nominal Dimensions L x W x H (in.)
			1/4 load** (SCFM)	Full load** (SCFM)		
4K12NL	10,000	30	32	56	3/4	12-1/8 x 12-1/8 x 1-7/8
4K15NL	17,000	30	32	56	7/8	15-1/8 x 15-1/8 x 1-7/8
4K12NHDL	20,000	60	36	64	3/4	12-1/8 x 12-1/8 x 1-7/8
4K15NHDL	34,000	60	32	56	7/8	15-1/8 x 15-1/8 x 1-7/8

Recommended supply pressure: 90 psi or 6.3 kg/cm²

*Load must be positioned so individual Aero-Caster capacities are not exceeded.

**Maximum compressed air consumption on a smooth troweled and sealed concrete or equivalent surface. (Includes large Reserve Factor).

Kit Contents

4	Load Modules with standard mount Aero-Casters
4	1/2" x 20' hose with QD fittings (1 each: red, black, green, blue)
1	Control Console with QD fittings
1	Rigging system operations and maintenance manual
1	Hard shell storage case with built-in rollers
1	Air fittings and connectors

Metric Specification

Model	System capacity* (kg)	Rated Pressure (kg/cm)	System Air Flow		Effective lift (mm)	Air Caster Element Nominal Dimensions L x W x H (mm)
			1/4 load** (L/sec)	Full load** (L/sec)		
4K12NL	4,535	2.1	16.8	26.4	19	308 x 308 x 48
4K15NL	7,710	2.1	15.2	26.4	22	384 x 384 x 48
4K12NHDL	9,070	4.2	16.8	30.4	19	308 x 308 x 48
4K15NHDL	15,420	4.2	20.8	37.6	22	384 x 384 x 48

Recommended supply pressure: 90 psi or 6.3 kg/cm²

*Load must be positioned so individual Aero-Caster capacities are not exceeded.

**Maximum compressed air consumption on a smooth troweled and sealed concrete or equivalent surface. (Includes large Reserve Factor).



“ FROM OUR CUSTOMERS ”

As part of the tool design effort, our engineering and production personnel chose AeroGo. Professional expertise was the most positive experience we had while working with AeroGo on this project.

This satellite stand features an AeroGo embedded air caster rigging system to provide precise load movement on-demand.

Embedded Systems

Embedded Systems



AIR CASTER RIGGING SYSTEM

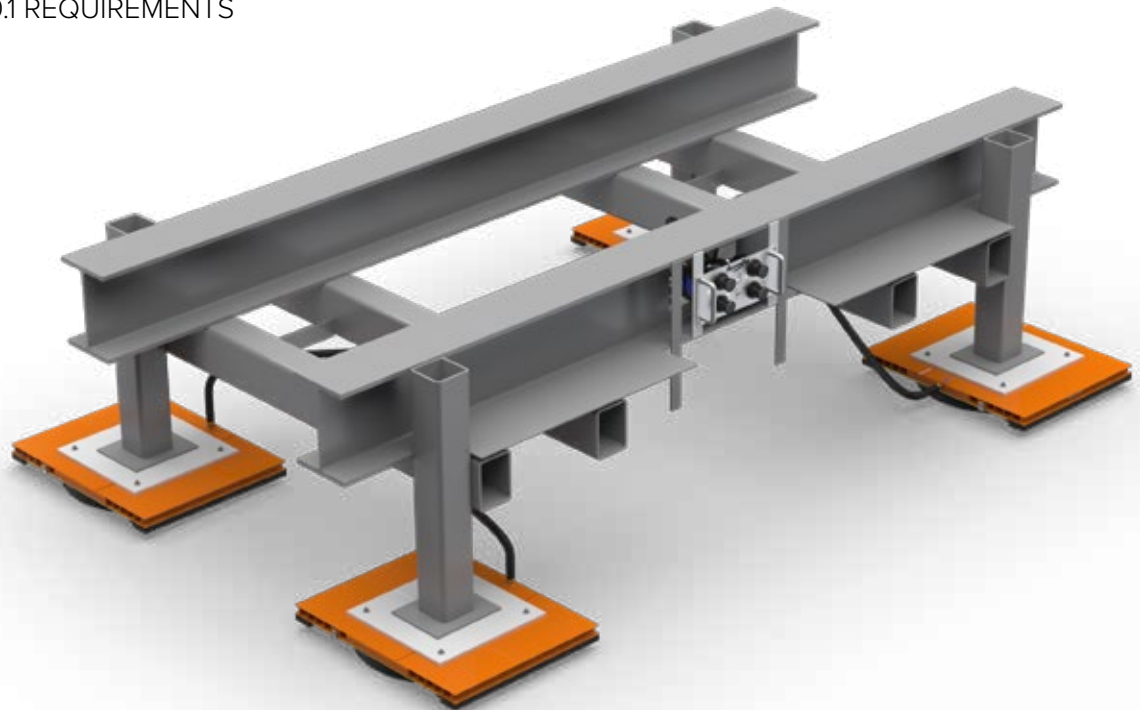
Embedded Systems

INTEGRATE INTO YOUR EXISTING MACHINERY, TOOLING OR STRUCTURE

PERMANENT INSTALLATION PROVIDES ON-DEMAND RIGGING

CAN ACCOMMODATE ANY TYPE OF AERO-CASTER

MEETS ASME B30.1 REQUIREMENTS



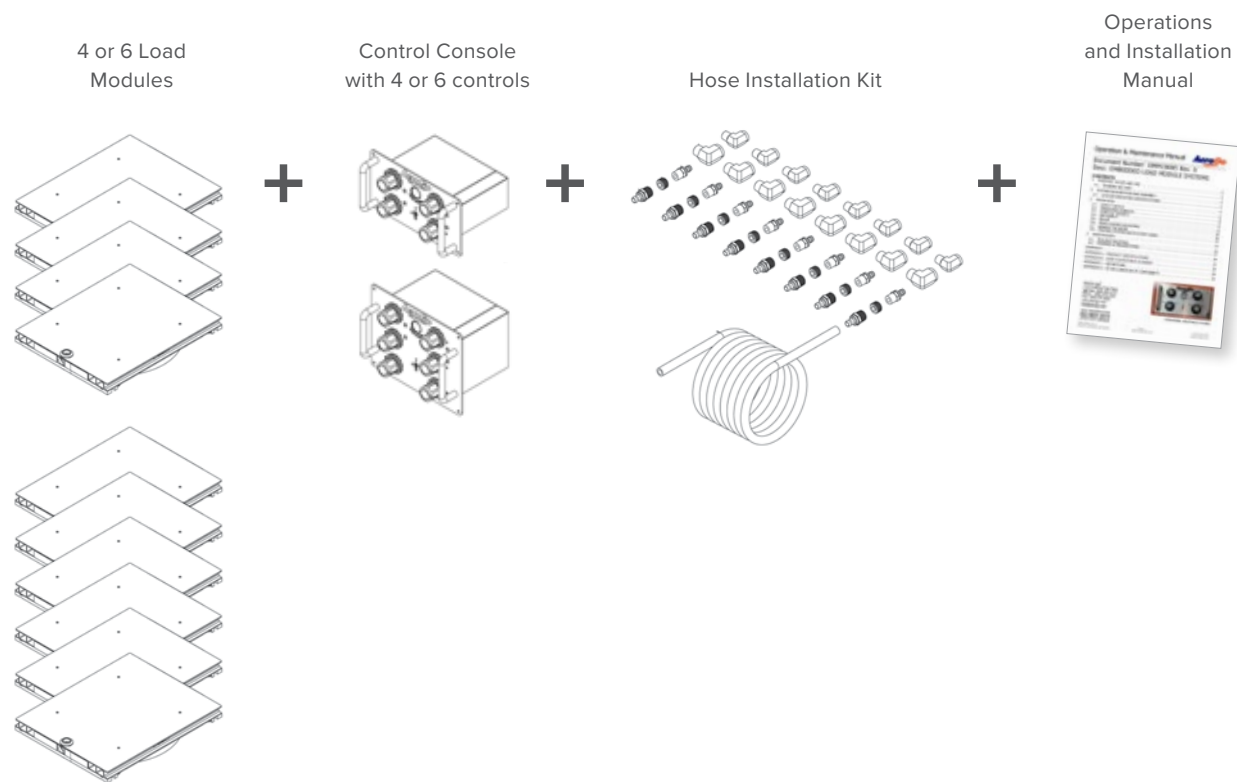
Standard Specification

Model	Maximum System Capacity (lbs.)*	# of modules in kit*	Load Module Size (in.)	Air Consumption (SCFM)**	Effective Lift (in.)
E412N	< 20,000	4	12"	112	0.56
E415N	34,000	4	15"	140	0.69
E421N	64,000	4	21"	175	1.06
E427N	112,000	4	27"	336	1.38
E612N	< 30,000	6	12"	168	0.56
E615N	51,000	6	15"	210	0.69
E621N	96,000	6	21"	263	1.06
E627N	112,000	6	27"	504	1.38

* Number of modules is the same as the number of load/support points. More support points available, contact factory.

** Air consumption is based on 100% load capacity plus a .75 safety factor

Embedded system contents



Embedded Systems

Engineering design models available at www.aerogo.com/products/embedded-systems

Metric Specification

Model	Maximum System Capacity (kg)*	# of load points*	Load Module Size (mm)	Air Consumption (l/sec)**	Effective Lift (mm)
E412N	<9071	4	304.8	52.86	14.22
E415N	9,071-15,422	4	381	66.07	17.52
E421N	25,401 - 29,029	4	533.4	82.59	26.92
E427N	38,101-50,802	4	685.8	158.57	35.05
E612N	<13,607	6	304.8	79.29	14.22
E615N	13,607 -23,133	6	381	99.11	17.52
E621N	38,101-43,544	6	533.4	124.12	26.92
E627N	43,544-50,802	6	685.8	237.86	35.05

* Higher capacities and more support points available. Call factory.

** Based on 100% load capacity plus a .75 safety factor

“ FROM OUR CUSTOMERS ”

We decided air casters were a low risk solution for our load moving problem. AeroGo had the best design proposal. All contacts were easy to work with.

A 2,998 ton yacht is launched from drydock using 48 (60") AeroGo air casters

Accessories



AIR CASTER RIGGING SYSTEMS

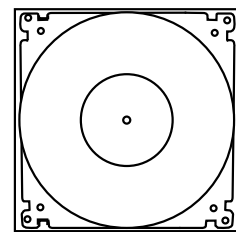
Options

FIXED OR SLIDE MOUNT

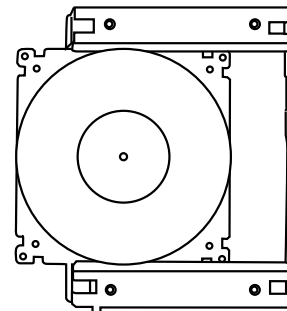
Air casters are mounted under the module in two ways:

- Slide Mount – The air caster slides in and out of a locking rail system. Useful in situations where the system will be under load most of the time.
- Fixed Mount – Screwed directly onto the load module. Used in situations where the system will be portable

Note: Air Caster Rigging Systems are Fixed Mount unless specified otherwise.



Fixed Mount



Slide Mount

FINISHES & MATERIALS

Does your application require air caster or bearing products with a specific finish? AeroGo offers special paint colors to match your production system including:



Anodized



Chemtreat



Powder Coat



Tuffcoat



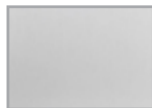
Bead Blast



Custom Colors



Stainless



Bare Aluminum



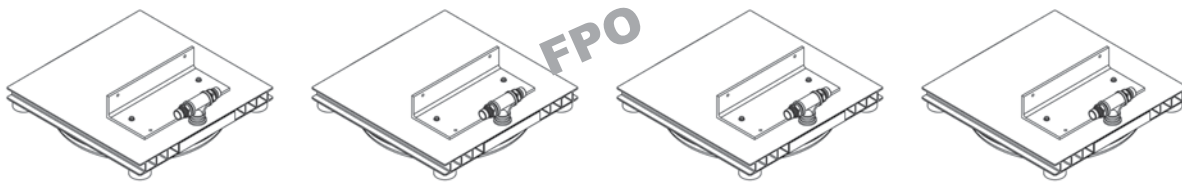
Marine Grade



Clean Room

BRACKETS & RISERS

Soer re inctendest, idunt quam et dio idest exersperem qui con et faceptio
bearum fugia con prae et quam, solum consere,



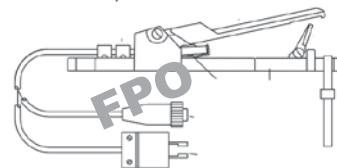
APPLICATION-SPECIFIC AIR CASTERS

Specialized air casters for low pressure, high lift, and special environments are available. Contact AeroGo for details.



SYSTEM ENABLE (DEADMAN SWITCH)

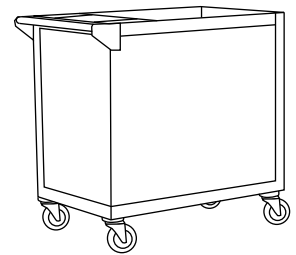
Soer re inctendest, idunt quam et dio idest exersperem qui con et faceptio
bearum fugia con prae et quam, solum consere,



Accessories

STORAGE CART

Portable storage carts with 2 fixed and 2 swivel wheels. Available with or without manual rewind hose reel.



SUPPLY HOSE

Flat, cleanroom, interconnect and standard supply hose available.

	Diameter (in.)	Length (ft.)	Color
Standard supply hose	1/2 to 2	100	Red
Flat supply hose	3/4 to 1-1/2	50 to 100	Black
Interconnect hose assembly	1/2, 3/4, 1	20	Black, Blue, Green, Red, White, Yellow



can we get these longer and separated more?

HOSE REELS

Spring Rewind or Air Rewind hose reels are available. Standard hose reels are floor mounted. Includes hose reel, and for standard rubber air supply hose in sizes from 3/4" to 1-1/2" in 50' to 100' lengths depending on hose diameter, hose stops, hose guide rollers, quick disconnect fittings on one end of supply hose and a 10 foot pigtail to attach hose reel to wall mounted air supply.



NOTE: Flat hose is not available in the hose reel application. Larger diameter reels or longer hose length reels and other hose handling options are available.

OVERLAY

Rollable polyethylene material, 8' wide, 60 mils thick. Maximum roll length 400 ft but shorter lengths are advised. Widths up to 22.5' are available, contact factory.



“ FROM OUR CUSTOMERS ”

We thoroughly enjoy working with AeroGo. Their engineers are smart, responsive, and creative. Of all the vendors I interface with, AeroGo is at the top of the list.

Replacements

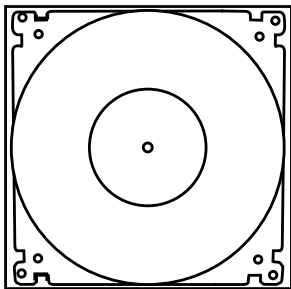


STANDARD SPECIFICATIONS

LOAD			AIR			DIMENSIONS			HARDWARE			
Model#	Air Caster Capacity (lbs)	Min. Load Per Caster (lbs)	Rated Pressure (psig)	Air Flow		Load Module Dimensions LxWxH (in)	Module Net Wt (lbs)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (scfm)	Full Load (scfm)						(GPM)	KAN Number
DuraMax – Standard Urethane												
12U	2,500	250	30	9	14	12.125 x 12.125 x 1.875	8	3/4	23719	49097	3	602711
15U	4,250	150	30	7	12	15.125 x 15.125 x 1.875	12	3/4	23735	49098	4	602712
21U	7,000	500	30	10	14	21.125 x 21.125 x 2.0	25	3/4	23751	49099	5	602713
27U	14,000	2,000	30	16	22	27.125 x 27.125 x 2.438	49	3/4	23767	49100	6	602714
36U	24,000	3,000	30	20	29	36.125 x 36.125 x 2.688	88	3/4	23783	49101	7	602715
48U	48,000	11,916	30	25	35	48.125 x 48.125 x 2.688	155	1	23799	49102	10	601181
DuraMax – Heavy Duty Urethane												
15UHD	8,500	550	60	8	16	15.125 x 15.125 x 1.875	12	3/4	23739	49097	5	602713
21UHD	14,000	500	50	18	30	21.125 x 21.125 x 2.0	27	3/4	23755	49097	6	602714
27UHD	28,000	2,000	60	24	52	27.125 x 27.125 x 2.438	47	1	23771	49097	8	601179
36UHD	50,000	3,000	60	28	54	36.125 x 36.125 x 2.688	95	1	23787	49097	11.5	601182
48UHD	90,000	8,000	60	45	60	48.125 x 48.125 x 2.688	178	1	23803	49097		
60UHD	120,000	11,000	50	75	95	60.125 x 60.125 x 2.750	280	1	23819	49097	2x11.5	601182
DuraMax – Super Heavy Duty Urethane												
36SUHD	60,000	3,000	75	30	60	36.125 x 36.125 x 2.688	95	1	D1015216	D1015219		
48SUHD	120,000	30,000	75	75	95	48.125 x 48.125 x 2.688	178	1	23880	49107		
60SUHD	180,000	8,000	75	85	110	60.125 x 60.125 x 2.750	280	1	23881	49109		
DuraFloat – Standard Neoprene												
8N	1,000	100	25	4	8	8.125 x 8.125 x 1.875	4	3/4	23701	49080	2	602710
12N	2,500	200	30	9	14	12.125 x 12.125 x 1.875	7	3/4	23717	49081	3	602711
15N	4,250	200	30	8	14	15.125 x 15.125 x 1.875	12	3/4	23733	49082	3	602711
21N	7,000	100	25	8	12	21.125 x 21.125 x 2.0	25	3/4	23749	49083	4	602712
27N	14,000	1,000	30	16	22	27.125 x 27.125 x 2.438	49	3/4	23765	49084	5	602713
36N	24,000	1,100	30	20	29	36.125 x 36.125 x 2.388	88	3/4	23781	49085	6	602714
48N	48,000	3,000	30	21	31	48.125 x 48.125 x 2.688	155	1	23797	49086	8	601179
DuraFloat – Standard Neoprene – High Lift												
12N-HL	2,000	300	25	8-20	12-27	12.125 x 12.125 x 1.875	7	3/4	23842	49094	4	602712
15N-HL	3,500	500	25	8-30	14-50	15.125 x 15.125 x 1.875	12	3/4	23843	49095	8	601179
21N-HL	7,000	550	25	14-25	16-60	21.125 x 21.125 x 2.0	25	3/4	23844	49096	10	601181
DuraFloat – Heavy Duty Neoprene												
8NHD	2,000	250	50	6	12	8.125 x 8.125 x 1.875	4	3/4	23705	49087	4	602712
12NHD	5,000	500	60	9	16	12.125 x 12.125 x 1.875	8	3/4	23721	49088	4	602712
15NHD	8,500	500	60	11	20	15.125 x 15.125 x 1.875	13	3/4	23737	49089	4	602712
21NHD	16,000	500	60	15	25	21.125 x 21.125 x 2.0	24	3/4	23753	49090	5	602713
27NHD	28,000	1,000	60	24	48	27.125 x 27.125 x 2.438	48	1	23769	49091	7	602715
36NG	40,000	2,000	50	25	50	27.125 x 27.125 x 2.438	89	1	E17010959A	E17010959C	10	601181
36NHD	50,000	4,000	60	27	54	36.125 x 36.125 x 2.388	93	1	23785	49092	10	601181
48NHD	90,000	6,000	60	48	60	48.125 x 48.125 x 2.688	173	1	23801	49093	11.5	601182
DuraFloat Super Heavy Duty Neoprene												
48SNHD	120,000	30,000								49127		

STANDARD SPECIFICATIONS

LOAD			AIR			DIMENSIONS			HARDWARE			
Model#	Air Caster Capacity (lbs)	Min. Load Per Caster (lbs)	Rated Pressure (psig)	Air Flow		Load Module Dimensions LxWxH (in)	Module Net Wt (lbs)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (scfm)	Full Load (scfm)						(GPM)	KAN Number
Standard Gapmaster												
10G	800		15							23579		
12G	1,200	100	15	9	15	12.125 x 12.125 x 2.0	8	3/4	23720	49112	3	602711
15G	2,000	131	15	11	18	21.125 x 21.125 x 2.0	12	3/4	23736	49113	3	602711
21G	4,000	275	15	12	20	27.125 x 27.125 x 2.0	25	3/4	23752	49114	5	602713
27G	7,000	550	15	14	25	27.125 x 27.125 x 2.438	46	3/4	23768	49115	5	602713
36G	12,000	550	15	17	30	36.125 x 36.125 x 2.688	85	3/4	23784	49116	6	602714
Heavy Duty Gapmaster												
12GHD	2,400	100	35	10	15	12.125 x 12.125 x 2.0	8	3/4	D1016109	D1016095	3	602711
15GHD	4,600	500	35	14	30	21.125 x 21.125 x 2.0	12	3/4	23740	49117	6	602714
21GHD	8,000	1,000	30	16	35	27.125 x 27.125 x 2.0	26	3/4	23756	49118	7	602715
27GHD	16,500	3,000	35	20	45	27.125 x 27.125 x 2.438	48	1	23772	49119	8	601179
36GHD	24,000	550	30	26	60	36.125 x 36.125 x 2.688	89	1	23788	49120	10	601181
Super Heavy Duty Gapmaster												
21SGHD	13,350	1,000	50	16	35	21.125 x 21.125 x 2.0	26	3/4	D1017336	D1017339	7	602715
27SGHD	24,000	3,000	55	25	50	27.125 x 27.125 x 2.0	48	1	D1016759	D1016764	8	601179



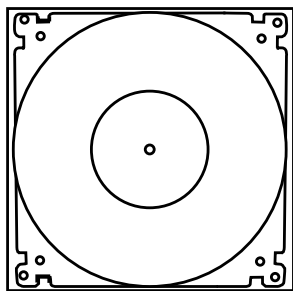
Fixed Mount

METRIC SPECIFICATIONS

LOAD			AIR			DIMENSIONS			HARDWARE			
Model#	Air Caster Capacity (kg)	Min. Load Per Caster (kg)	Rated Pressure (kg/cm ²)	Air Flow		Load Module Dimensions LxWxH (mm)	Module Net Wt (kg)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (l/sec)	Full Load (l/sec)						(GPM)	KAN Number
DuraMax – Standard Urethane												
12U	1,134	113	2.1	4.2	6.6	308 x 308 x 47.6	3.6	3/4	23719	49097	3	602711
15U	1,928	68	2.1	3.3	5.7	384.2 x 384.2 x 47.6	5.4	3/4	23735	49098	4	602712
21U	3,175	227	1.8	4.7	6.6	536.6 x 536.6 x 50.8	11.3	3/4	23751	49099	5	602713
27U	6,350	907	2.1	7.6	10.4	689.0 x 689.0 x 2.438	22.2	3/4	23767	49100	6	602714
36U	10,886	1,361	2.1	9.4	13.7	36.125 x 36.125 x 2.688	39.9	3/4	23783	49101	7	602715
48U	21,772	5,405	2.1	11.8	16.5	1,222.4 x 1,222.4 x 68.3	70.3	1	23799	49102	10	601181
DuraMax – Heavy Duty Urethane												
15UHD	3,856	249	4.2	3.8	7.6	384.2 x 384.2 x 47.6	5.4	3/4	23739	49097	5	602713
21UHD	6,350	227	3.5	8.5	14.2	536.6 x 536.6 x 50.8	12.2	3/4	23755	49097	6	602714
27UHD	12,701	907	4.2	11.3	24.5	689.0 x 689.0 x 2.438	21.3	1	23771	49097	8	601179
36UHD	22,680	1,361	4.2	13.2	25.5	917.6 x 917.6 x 68.3	43.1	1	23787	49097	11.5	601182
48UHD	40,823	3,629	4.2	21.2	28.3	1,222.4 x 1,222.4 x 68.3	80.7	1	23803	49097		
60UHD	54,431	4,990	3.5	35.4	44.8	1,527.2 x 1,527.2 x 69.9	127.0	1	23819	49097	2x11.5	601182
DuraMax – Super Heavy Duty Urethane												
36SUHD	27,216	1,361	5.3	14.2	28.3	917.6 x 917.6 x 68.3	43.1	1	D1015216	D1015219		
48SUHD	54,431	13,608	5.3	35.4	44.8	1,222.4 x 1,222.4 x 68.3	80.7	1	23880	49107		
60SUHD	81,647	3,629	5.3	40.1	51.9	1,527.2 x 1,527.2 x 69.9	127.0	1	23881	49109		
DuraFloat – Standard Neoprene												
8N	454	45	1.8	1.9	3.8	206.4 x 206.4 x 47.6	1.8	3/4	23701	49080	2	602710
12N	1,134	91	2.1	4.2	6.6	308.0 x 308.0 x 47.6	3.2	3/4	23717	49081	3	602711
15N	1,928	91	2.1	3.8	6.6	384.2 x 384.2 x 47.6	5.4	3/4	23733	49082	3	602711
21N	3,175	45	1.8	3.8	5.7	536.6 x 536.6 x 2.0	11.3	3/4	23749	49083	4	602712
27N	6,350	454	2.1	7.6	10.4	689.0 x 689.0 x 2.438	22.2	3/4	23765	49084	5	602713
36N	10,886	499	2.1	9.4	13.7	917.6 x 917.6 x 2.388	39.9	3/4	23781	49085	6	602714
48N	21,772	1,361	2.1	9.9	14.6	1,222.4 x 1,222.4 x 68.3	70.3	1	23797	49086	8	601179
DuraFloat – Standard Neoprene – High Lift												
12N-HL	907	136	1.8	3.8-9.4	5.7-12.7	308.0 x 308.0 x 47.6	3.2	3/4	23842	49094	4	602712
15N-HL	1,588	227	1.8	3.8-14.2	6.6-23.6	384.2 x 384.2 x 47.6	5.4	3/4	23843	49095	8	601179
21N-HL	3,175	249	1.8	6.6-11.8	7.6-28.3	536.6 x 536.6 x 50.8	11.3	3/4	23844	49096	10	601181
DuraFloat – Heavy Duty Neoprene												
8NHD	907	113	3.5	2.8	5.7	206.4 x 206.4 x 47.6	1.8	3/4	23705	49087	4	602712
12NHD	2,268	227	4.2	4.2	7.6	308.0 x 308.0 x 47.6	3.6	3/4	23721	49088	4	602712
15NHD	3,856	227	4.2	5.2	9.4	384.2 x 384.2 x 47.6	5.9	3/4	23737	49089	4	602712
21NHD	7,257	227	4.2	7.1	11.8	536.6 x 536.6 x 2.0	10.9	3/4	23753	49090	5	602713
27NHD	12,701	454	4.2	11.3	22.7	689.0 x 689.0 x 2.438	21.8	1	23769	49091	7	602715
36NG	18,144	907	3.5	11.8	23.6	689.0 x 689.0 x 2.438	40.4	1	E17010959A	E17010959C	10	601181
36NHD	22,680	1,814	4.2	12.7	25.5	917.6 x 917.6 x 2.388	42.2	1	23785	49092	10	601181
48NHD	40,823	2,722	4.2	22.7	28.3	1,222.4 x 1,222.4 x 68.3	78.5	1	23801	49093	11.5	601182
DuraFloat Super Heavy Duty Neoprene												
48SNHD	54,431	13,608	5.3							49127		

METRIC SPECIFICATIONS

LOAD			AIR			DIMENSIONS		HARDWARE				
Model#	Air Caster Capacity (kg)	Min. Load Per Caster (kg)	Rated Pressure (kg/cm ²)	Air Flow		Load Module Dimensions LxWxH (mm)	Module Net Wt (kg)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (l/sec)	Full Load (l/sec)						(GPM)	KAN Number
Gapmaster – Standard												
10G	363		1.1							23579		
12G	544	45	1.1	4.2	7.1	308.0 x 308.0 x 50.8	3.6	3/4	23720	49112	3	602711
15G	907	59	1.1	5.2	8.5	384.2 x 384.2 x 50.8	5.4	3/4	23736	49113	3	602711
21G	1,814	125	1.1	5.7	9.4	536.6 x 536.6 x 50.8	11.3	3/4	23752	49114	5	602713
27G	3,175	249	1.1	6.6	11.8	689.0 x 689.0 x 61.9	20.9	3/4	23768	49115	5	602713
36G	5,443	249	1.1	8.0	14.2	917.6 x 917.6 x 68.3	38.6	3/4	23784	49116	6	602714
Gapmaster – Heavy Duty												
12GHD	1,089	45	2.5	4.7	7.1	308.0 x 308.0 x 50.8	3.6	3/4	D1016109	D1016095	3	602711
15GHD	2,087	227	2.5	6.6	14.2	384.2 x 384.2 x 50.8	5.4	3/4	23740	49117	6	602714
21GHD	3,629	454	2.1	7.6	16.5	536.6 x 536.6 x 50.8	11.3	3/4	23756	49118	7	602715
27GHD	7,484	1,361	2.5	9.4	21.2	689.0 x 689.0 x 61.9	20.9	1	23772	49119	8	601179
36GHD	10,886	249	2.1	12.3	28.3	917.6 x 917.6 x 68.3	38.6	1	23788	49120	10	601181
Gapmaster – Super Heavy Duty												
21SGHD	6,055	454	3.5	7.6	16.5	536.6 x 536.6 x 50.8	11.8	3/4	D1017336	D1017339	7	602715
27SGHD	10,886	1,361	3.9	11.8	23.6	689.0 x 689.0 x 61.9	21.8	1	D1016759	D1016764	8	601179



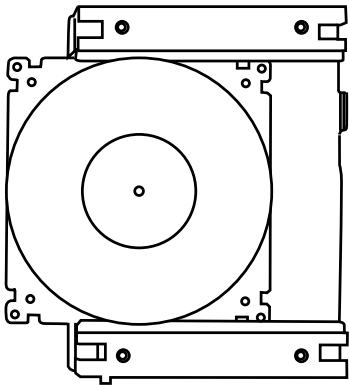
Fixed Mount

STANDARD SPECIFICATIONS

LOAD			AIR			DIMENSIONS			HARDWARE			
Model#	Air Caster Capacity (lbs)	Min. Load Per Caster (lbs)	Rated Pressure (psig)	Air Flow		Load Module Dimensions LxWxH (in)	Module Net Wt (lbs)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (scfm)	Full Load (scfm)						(GPM)	KAN Number
DuraMax – Standard Urethane												
12USM	2,500	250	30	9	14	16.625 x 16.625 x 2.0	11	3/4	23727	49237	3	602711
15USM	4,250	150	30	7	12	19.625 x 19.625 x 2.0	17	3/4	23743	49238	4	602712
21USM	7,000	500	25	10	14	26.125 x 26.125 x 2.125	31	3/4	23759	49239	5	602713
27USM	14,000	2,000	30	16	22	27.125 x 27.125 x 2.5	57	3/4	23775	49240	6	602714
36USM	24,000	3,000	30	20	29	36.125 x 36.125 x 2.750	100	3/4	23791	49241	7	602715
48USM	48,000	11,916	30	25	35	48.125 x 48.125 x 2.750	170	1	23807	49242	10	601181
DuraMax – Heavy Duty Urethane												
15UHDSM	8,500	550	60	8	16	19.625 x 15.125 x 2.0	17	3/4	23747	49243	5	602713
21UHDSM	14,000	500	50	18	30	26.125 x 21.125 x 2.125	31	3/4	23763	49244	6	602714
27UHDSM	28,000	2,000	60	24	52	34.125 x 27.125 x 2.5	58	1	23779	49245	8	601179
36UHDSM	50,000	3,000	60	28	54	43.125 x 36.125 x 2.75	103	1	23795	49246	11.5	601182
48UHDSM	90,000	8,000	60	45	60	55.125 x 48.125 x 2.75	190	1	23811	49247		
DuraMax – Heavy Duty Urethane – High Lift												
21UHD-HLSM	10,000		40								AC1130	
DuraMax – Super Heavy Duty Urethane												
21SUHDSM	21,000	560	75		45						D1013455	
27SUHDSM	35,000	7,000	75		85						D1010619	
36SUHDSM	60,000	3,000	75	30	60	43.125 x 36.125 x 2.750	103	1	D1015211	D1015214		
48SUHDSM	120,000	30,000	75	75	95	48.125 x 48.125 x 2.688				49281		
60SUHDSM	180,000	8,000	75	85	110	60.125 x 60.125 x 2.750				D1011720		
DuraFloat – Standard Neoprene												
8NSM	1,000	100	25	4	8	12.625 x 8.125 x 1.875	6	3/4	23709	49218	2	602710
12NSM	2,500	200	30	9	14	16.625 x 12.125 x 2.0	11	3/4	23725	49219	3	602711
15NSM	4,250	200	30	8	14	19.625 x 15.125 x 2.0	17	3/4	23741	49221	3	602711
450NSM	5,700	500	30							23654		
21NSM	7,000	100	25	8	12	26.125 x 21.125 x 2.125	31	3/4	23757	49223	4	602712
27NSM	14,000	1,000	30	16	22	34.125 x 27.125 x 2.5	58	3/4	23773	49224	5	602713
36NSM	24,000	1,100	30	20	29	43.125 x 36.125 x 2.750	100	3/4	23789	49225	6	602714
48NSM	48,000	3,000	30	21	31	55.125 x 48.125 x 2.750	165	1	23805	49226	8	601179
DuraFloat – Standard Neoprene – High Lift												
12N-HLSM	2,000	300	25	8-20	12-27	16.625 x 12.125 x 2.0	11	3/4	23845	49234	4	602712
15N-HLSM	3,500	500	25	8-30	14-50	19.625 x 15.125 x 2.0	17	3/4	23846	49235	8	601179
21N-HLSM	7,000	550	25	14-25	16-60	26.125 x 21.125 x 2.125	31	3/4	23847	49236	10	601181
DuraFloat – Heavy Duty Neoprene												
8NHDSM	2,000	250	50	6	12	12.625 x 8.125 x 1.875	6	3/4	23713	49227	4	602712
12NHDSM	5,000	500	60	9	16	16.625 x 12.125 x 1.875	11	3/4	23729	49228	4	602712
15NHDSM	8,500	500	60	11	20	19.625 x 15.125 x 2.0	17	3/4	23745	49229	4	602712
450NHDSM	11,500	500	58							23655		
500NHDSM	14,000	500	58							23656		
21NHDSM	16,000	500	60	15	25	26.125 x 21.125 x 2.125	31	3/4	23761	49230	5	602713
27NHDSM	28,000	1,000	60	24	48	34.125 x 27.125 x 2.5	58	1	23777	49231	7	602715
36NHDSM	50,000	4,000	60	27	54	43.125 x 36.125 x 2.750	100	1	23793	49232	10	601181
45NHDSM	77,000	4,200	66							48926		
45ORHDSM	77,000	4,200	66							49262		
1200NHDSM	88,000	9,000	66							24187		
48NHDSM	80,000	9,000	60	25	60	55.125 x 48.125 x 2.750	185	1	23809	49233	11.5	601182
48ORHDSM	80,000	9,000	60	25	60					49792		
DuraFloat Super Heavy Duty Neoprene												
48SNHDSM	120,000	30,000	75							49145		

STANDARD SPECIFICATIONS

LOAD			AIR			DIMENSIONS		HARDWARE				
Model#	Air Caster Capacity (lbs)	Min. Load Per Caster (lbs)	Rated Pressure (psig)	Air Flow		Load Module Dimensions LxWxH (in)	Module Net Wt (lbs)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (scfm)	Full Load (scfm)						(GPM)	KAN Number
Gapmaster – Standard												
12GSM	1,200	100	15	9	15	16.625 x 12.125 x 2.0	11	3/4	23728	49248	3	602711
15GSM	2,000	131	15	11	18	19.625 x 15.125 x 2.0	17	3/4	23744	49249	3	602711
21GSM	4,000	275	15	12	20	26.125 x 21.125 x 2.125	31	3/4	23760	49250	5	602713
27GSM	7,000	550	15	14	25	34.125 x 27.125 x 2.50	58	3/4	23776	49251	5	602713
36GSM	12,000	550	15	17	30	43.125 x 36.125 x 2.750	100	3/4	23792	49252	6	602714
Gapmaster – Heavy Duty												
12GHDSM	2,400	100	35	10	15	16.125 x 12.125 x 2.0	11	3/4	D1016103	D1016099	3	602711
15GHDSM	4,600	500	35	14	30	19.125 x 15.125 x 2.0	17	3/4	23748	49253	6	602714
21GHDSM	8,000	1,000	30	16	35	26.125 x 21.125 x 2.125	31	3/4	23764	49254	7	602715
27GHDSM	16,500	3,000	35	20	45	34.125 x 27.125 x 2.50	60	1	23780	49255	8	601179
36GHDSM	24,000	550	30	26	60	43.125 x 36.125 x 2.750	110	1	23796	49256	10	601181
Gapmaster – Super Heavy Duty												
21SGHDSM	13,350	1,000	50	16	35	26.125 x 21.125 x 2.125	31	3/4	D1017332	D1017334	7	602715
27SGHDSM	24,000	3,000	55	25	50	27.125 x 27.125 x 2.438	48	1	D1016769	D1016774	8	601179



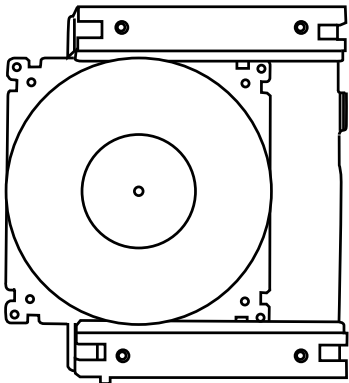
Slide Mount

METRIC SPECIFICATIONS

Model#	LOAD		AIR			DIMENSIONS			HARDWARE			
	Air Caster Capacity (kg)	Min. Load Per Caster (kg)	Rated Pressure (kg/cm ²)	Air Flow		Load Module Dimensions LxWxH (mm)	Module Net Wt (kg)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (l/sec)	Full Load (l/sec)						(GPM)	KAN Number
DuraMax – Standard Urethane												
12USM	1,134	113	2.1	4.2	6.6	422.3 x 308.0 x 50.8	5.0	3/4	23727	49237	3	602711
15USM	1,928	68	2.1	3.3	5.7	498.5 x 384.2 x 50.8	7.7	3/4	23743	49238	4	602712
21USM	3,175	227	1.8	4.7	6.6	663.6 x 536.6 x 54.0	14.1	3/4	23759	49239	5	602713
27USM	6,350	907	2.1	7.6	10.4	866.8 x 689.0 x 63.5	25.9	3/4	23775	49240	6	602714
36USM	10,886	1,361	2.1	9.4	13.7	1,095.4 x 917.6 x 69.9	45.4	3/4	23791	49241	7	602715
48USM	21,772	5,405	2.1	11.8	16.5	1,400.2 x 1,222.4 x 69.9	77.1	1	23807	49242	10	601181
DuraMax – Heavy Duty Urethane												
15UHDSM	3,856	249	4.2	3.8	7.6	498.5 x 384.2 x 50.8	7.7	3/4	23747	49243	5	602713
21UHDSM	6,350	227	3.5	8.5	14.2	663.6 x 536.6 x 54.0	14.1	3/4	23763	49244	6	602714
27UHDSM	12,701	907	4.2	11.3	24.5	866.8 x 689.0 x 63.5	26.3	1	23779	49245	8	601179
36UHDSM	22,680	1,361	4.2	13.2	25.5	1,095.4 x 917.6 x 69.9	46.7	1	23795	49246	11.5	601182
48UHDSM	40,823	3,629	4.2	21.2	28.3	1,400.2 x 1,222.4 x 69.9	86.2	1	23811	49247		
DuraMax – Heavy Duty Urethane – High Lift												
21UHD-HLSM	4,536		2.8								AC1130	
DuraMax – Super Heavy Duty Urethane												
DuraFloat – Standard Neoprene												
8NSM	454	45	1.8	1.9	3.8	320.7 x 206.4 x 47.6	2.7	3/4	23709	49218	2	602710
12NSM	1,134	91	2.1	4.2	6.6	422.3 x 308.0 x 50.8	5.0	3/4	23725	49219	3	602711
15NSM	1,928	91	2.1	3.8	6.6	498.5 x 384.2 x 50.80	7.7	3/4	23741	49221	3	602711
450NSM	2,585	227	2.1							23654		
21NSM	3,175	45	1.8	3.8	5.7	663.6 x 536.6 x 54.0	14.1	3/4	23757	49223	4	602712
27NSM	6,350	454	2.1	7.6	10.4	866.8 x 689.0 x 63.5	26.3	3/4	23773	49224	5	602713
36NSM	10,886	499	2.1	9.4	13.7	1,095.4 x 917.6 x 69.9	45.4	3/4	23789	49225	6	602714
48NSM	21,772	1,361	2.1	9.9	14.6	1,400.2 x 1,222.4 x 69.9	74.8	1	23805	49226	8	601179
DuraFloat – Standard Neoprene – High Lift												
12N-HLSM	907	136	1.8	3.8 - 9.4	5.7-12.7	422.3 x 308.0 x 50.8	5.0	3/4	23845	49234	4	602712
15N-HLSM	1,588	227	1.8	3.8- 14.2	6.6-23.6	498.5 x 384.2 x 50.8	7.7	3/4	23846	49235	8	601179
21N-HLSM	3,175	249	1.8	6.6-11.8	7.6-28.3	663.6 x 536.6 x 54.0	14.1	3/4	23847	49236	10	601181
DuraFloat – Heavy Duty Neoprene												
8NHDSM	907	113	3.5	2.8	5.7	320.7 x 206.4 x 47.6	2.7	3/4	23713	49227	4	602712
12NHDSM	2,268	227	4.2	4.2	7.6	422.3 x 308.0 x 50.8	5.0	3/4	23729	49228	4	602712
15NHDSM	3,856	227	4.2	5.2	9.4	498.5 x 384.2 x 50.8	7.7	3/4	23745	49229	4	602712
450NHDSM	5,216	227	4.1							23655		
500NHDSM	6,350	227	4.1							23656		
21NHDSM	7,257	227	4.2	7.1	11.8	663.6 x 536.6 x 54.0	14.1	3/4	23761	49230	5	602713
27NHDSM	12,701	454	4.2	11.3	22.7	866.8 x 689.0 x 63.5	26.3	1	23777	49231	7	602715
36NHDSM	22,680	1,814	4.2	12.7	25.5	1,095.4 x 917.6 x 69.9	45.4	1	23793	49232	10	601181
45NHDSM	34,927	1,905	4.6							48926		
45ORHDSM	34,927	1,905	4.6							49262		
1200NHDSM	39,916	4,082	4.6							24187		
48NHDSM	40,823	2,722	4.2	22.7	28.3	1,400.2 x 1,222.4 x 69.9	83.9	1	23809	49233	11.5	601182
48ORHDBSM	36,287	4,082	4.2	11.8	28.3					49792		
DuraFloat Super Heavy Duty Neoprene												
48SNHDSM	54,431	13,608	5.3							49145		
21SUHDSM	9,525	254	5.3		21.2					D1013455		
27SUHDSM	15,876	3,175	5.3		40.1					D1010619		
36SUHDSM	27,216	1,361	5.3	14.2	28.3	1,095.4 x 917.6 x 69.9	46.7	1	D1015211	D1015214		
48SUHDSM	54,431	13,608	5.3	35.4	44.8	1,222.4 x 1,222.4 x 68.3				49281		
60SUHDSM	81,647	3,629	5.3	40.1	51.9	1,527.2 x 1,527.2 x 69.9				D1011720		

METRIC SPECIFICATIONS

Model#	LOAD		AIR			DIMENSIONS		HARDWARE				
	Air Caster Capacity (kg)	Min. Load Per Caster (kg)	Rated Pressure (kg/cm ²)	Air Flow		Load Module Dimensions LxWxH (mm)	Module Net Wt (kg)	Air Connection QD-M	Load Module Part #	Caster Element Part #	Flow Control	
				1/4 Load (l/sec)	Full Load (l/sec)						(GPM)	KAN Number
Gapmaster – Standard												
12GSM	544	45	1.1	4.2	7.1	422.3 x 308.0 x 50.8	5.0	3/4	23728	49248	3	602711
15GSM	907	59	1.1	5.2	8.5	384.2 x 384.2 x 50.8	7.7	3/4	23744	49249	3	602711
21GSM	1,814	125	1.1	5.7	9.4	536.6 x 536.6 x 50.8	14.1	3/4	23760	49250	5	602713
27GSM	3,175	249	1.1	6.6	11.8	689.0 x 689.0 x 61.9	26.3	3/4	23776	49251	5	602713
36GSM	5,443	249	1.1	8.0	14.2	1,095.4 x 917.6 x 69.9	45.4	3/4	23792	49252	6	602714
Gapmaster – Heavy Duty												
12GHDSM	1,089	45	2.5	4.7	7.1	422.3 x 308.0 x 50.8	5.0	3/4	D1016103	D1016099	3	602711
15GHDSM	2,087	227	2.5	6.6	14.2	498.5 x 384.2 x 50.8	7.7	3/4	23748	49253	6	602714
21GHDSM	3,629	454	2.1	7.6	16.5	663.6 x 536.6 x 54.0	14.1	3/4	23764	49254	7	602715
27GHDSM	7,484	1,361	2.5	9.4	21.2	866.8 x 689.0 x 63.5	27.2	1	23780	49255	8	601179
36GHDSM	10,886	249	2.1	12.3	28.3	1,095.4 x 917.6 x 69.9	49.9	1	23796	49256	10	601181
Gapmaster – Super Heavy Duty												
21SGHDSM	6,055	454	3.5	7.6	16.5	663.6 x 536.6 x 54.0	14.1	3/4	D1017332	D1017334	7	602715
27SGHDSM	10,886	1,361	3.9	11.8	23.6	689.0 x 689.0 x 61.9	21.8	1	D1016769	D1016774	8	601179





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