

Air Skates

Load Module System

Load Module Systems™

Move heavy loads on a cushion of air. One person can typically move 5,000 lbs on a smooth flat floor. These extruded aluminum movers utilize a specially designed air bag that slowly and evenly releases a thin film of air to float your load. System air requirements are typically 90 psi.

Advantages:

- Low Profile – easy insertion under loads, typically without additional load jacking.
- Low Friction – less force required, as compared to conventional material handling products, for omnidirectional maneuverability in tight spaces.
- No Floor or Load Damage – floating your load on a cushion of air distributes the weight over a wider area. Vibration, free movement for sensitive loads means less callibration.
- Economical & Reliable – compared to traditional systems, you'll get lower initial costs, lower operational costs and increased productivity. Proven technology since 1967.
- Flexibility – configures for multiple load footprints and varying weights.
- Vertical Lift built-in, but minimal so the load to be moved is still low to the ground, requiring less space around the load during the move.

Versatility and Efficiency:

Load Modules combine simplicity of operation with extreme versatility. Load movement is easy, exceptionally smooth, omnidirectional and can be performed anywhere in the work environment where there is an adequate floor surface. Operation in tight spaces is a breeze.

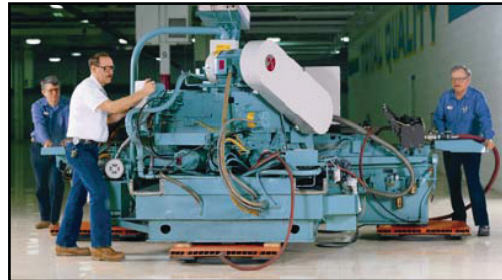
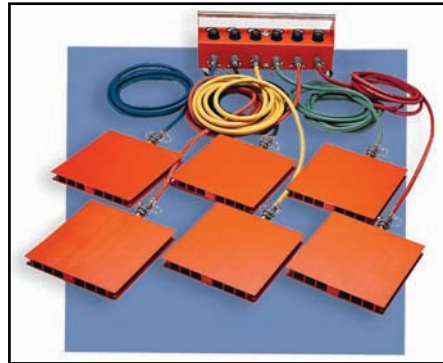
Load Module Aero-Casters distribute the load weight over a greater surface than with rollers or wheels, spreading any stress evenly on the floor. This eliminates damage to the floor and the need for expensive tracks, reinforced floors and building structures.

AeroGo systems are more cost-effective than traditional load movement methods. Your own personnel can quickly learn to utilize the system. And, since there are no moving parts, maintenance costs stay low. Load Modules are easily portable and can be positioned under the load according to weight distribution on load support points. This minimizes stress on the load structure.

Unlimited Applications:

Load Modules are manufactured to stand up to the most demanding applications. They are perfect for the movement of massive loads from assembly to shipping, for plant start-up or relocation, or during the repair of large and bulky items such as heat exchangers and transformers. Load Modules are ideal for jacking or rotating assemblies, precisely aligning machines over footing, moving modules, and rearranging entire production lines.

Load Module



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Load Module System Specifications



NOTE: Want to purchase this item instead? LGH is an authorized AeroGo Distributor

Load Module System™ Specifications									
Fixed-Mount Aero-Casters									
Model (Insert Code N = Neoprene U = Urethane) (1)	System Capacity lbs (kg) (2)	Model of Load Modules (1)	Nominal Dimension of each Load Module inches (mm)	Effective Lift height inches (mm) (3)	Req'd size plant air hookup (NPT) inch (4)	Control Console	Rated Operating Pressure psig (kg/cm²) (5)	Recommended Air Volume scfm (L/sec) (6 & 7)	Equipment Net Weight lbs (kg)
4K8__L	4,000 (1,814)	K8__	8-1/8" x 8-1/8" x 1-7/8" (206 x 206 x 48)	3/8" (9)	1/2	BN34	12.5 (.9)	42 (20)	55 (25)
4K12__L	10,000 (4,535)	K12__	12-1/8" x 12-1/8" x 1-7/8" (308 x 308 x 48)	3/4" (19)	3/4	BN34	25 (1.8)	84 (40)	70 (32)
4K15__L	17,000 (7,710)	K15__	15-1/8" x 15-1/8" x 1-7/8" (384 x 384 x 48)	7/8" (22)	3/4	BN64	25 (1.8)	98 (46)	105 (48)
4K21__L	28,000 (12,698)	K21__	21-1/8" x 21-1/8" x 2" (537 x 537 x 51)	1-1/8" (28)	3/4	BN64	25 (1.8)	112 (53)	150 (69)
4K27__L	56,000 (25,397)	K27__	27-1/8" x 27-1/8" x 2-7/16" (689 x 689 x 62)	1-3/8" (34)	N = 3/4 U = 1	BN64	25 (1.8)	126 (60)	250 (115)
4K36__L	96,000 (43,537)	K36__	36-1/8" x 36-1/8" x 2-11/16" (917 x 917 x 69)	1-3/4" (44)	N = 3/4 U = 1	BN64	25 (1.8)	168 (79)	415 (190)
4K48__L	192,000 (87,075)	K48__	48-1/8" x 48-1/8" x 2-11/16" (1222 x 1222 x 68)	2-5/8" (66)	1	BN84	25 (1.8)	182 (86)	725 (329)
4K8NHDL	8,000 (3,628)	K8NHDL	8-1/8" x 8-1/8" x 1-7/8" (206 x 206 x 48)	3/8" (9)	1/2	BN34	25 (1.8)	56 (27)	55 (25)
4K12NHDL	20,000 (9,070)	K12NHDL	12-1/8" x 12-1/8" x 1-7/8" (308 x 308 x 48)	3/4" (19)	3/4	BN34	50 (3.5)	105 (50)	70 (32)
4K15__HDL	34,000 (15,420)	K15__HDL	15-1/8" x 15-1/8" x 1-7/8" (384 x 384 x 48)	7/8" (22)	N = 3/4 U = 1	BN64	50 (3.5)	140 (67)	115 (53)
4K21__HDL	64,000 (29,025)	K21__HDL	21-1/8" x 21-1/8" x 2" (537 x 537 x 51)	1-1/4" (31)	1	BN64	50 (3.5)	210 (99)	160 (75)
4K27__HDL	112,000 (50,794)	K27__HDL	27-1/8" x 27-1/8" x 2-7/16" (689 x 689 x 62)	1-1/2" (38)	N = 1 U = 1-1/4	BN84	50 (3.5)	280 (132)	260 (120)
4K36__HDL	200,000 (90,703)	K36__HDL	36-1/8" x 36-1/8" x 2-11/16" (917 x 917 x 69)	1-7/8" (47)	N = 1 U = 1-1/4	BN84	50 (3.5)	315 (154)	625 (284)
4K48__HDL	360,000 (163,265)	K48__HDL	48-1/8" x 48-1/8" x 2-11/16" (1222 x 1222 x 68)	2-1/2" (63)	N = 1 U = 1-1/4	BN84	50 (3.5)	350 (165)	785 (360)
6K8__L	6,000 (2,721)	K8__	8-1/8" x 8-1/8" x 1-7/8" (206 x 206 x 48)	3/8" (9)	1/2	BN66	12.5 (.9)	63 (30)	100 (45)
6K12__L	15,000 (6,803)	K12__	12-1/8" x 12-1/8" x 1-7/8" (308 x 308 x 48)	3/4" (19)	3/4	BN66	25 (1.8)	126 (60)	158 (57)
6K15__L	25,500 (11,565)	K15__	15-1/8" x 15-1/8" x 1-7/8" (384 x 384 x 48)	7/8" (22)	N = 3/4 U = 1	BN66	25 (1.8)	147 (69)	150 (69)
6K21__L	42,000 (19,048)	K21__	21-1/8" x 21-1/8" x 2" (537 x 537 x 51)	1-1/8" (28)	N = 3/4 U = 1	BN66	25 (1.8)	168 (79)	220 (100)
6K27__L	84,000 (38,095)	K27__	27-1/8" x 27-1/8" x 2-7/16" (689 x 689 x 62)	1-3/8" (34)	1	BN66	25 (1.8)	189 (89)	370 (170)
6K36__L	144,000 (65,306)	K36__	36-1/8" x 36-1/8" x 2-11/16" (917 x 917 x 69)	1-3/4" (44)	N = 1 U = 1-1/4	BN66	25 (1.8)	252 (119)	620 (290)
6K48__L	288,000 (130,612)	K48__	48-1/8" x 48-1/8" x 2-11/16" (1222 x 1222 x 68)	2-5/8" (66)	N = 1 U = 1-1/4	BN86	25 (1.8)	273 (129)	1,050 (480)
6K8NHDL	12,000 (5,442)	K8NHDL	8-1/8" x 8-1/8" x 1-7/8" (206 x 206 x 48)	3/8" (9)	3/4	BN66	25 (1.8)	84 (40)	110 (50)
6K12NHDL	30,000 (13,605)	K12NHDL	12-1/8" x 12-1/8" x 1-7/8" (308 x 308 x 48)	3/4" (19)	3/4	BN66	25 (1.8)	158 (75)	130 (60)
6K15__HDL	51,000 (23,129)	K15__HDL	15-1/8" x 15-1/8" x 1-7/8" (384 x 384 x 48)	7/8" (22)	1	BN66	50 (3.5)	210 (100)	185 (85)
6K21__HDL	96,000 (43,537)	K21__HDL	21-1/8" x 21-1/8" x 2" (537 x 537 x 51)	1-1/4" (31)	N = 1 U = 1-1/4	BN66	50 (3.5)	315 (149)	235 (110)
6K27__HDL	168,000 (76,190)	K27__HDL	27-1/8" x 27-1/8" x 2-7/16" (689 x 689 x 62)	1-1/2" (38)	N = 1-1/4 U = 1-1/2	BN86	50 (3.5)	420 (198)	380 (180)
6K36__HDL	300,000 (136,054)	K36__HDL	36-1/8" x 36-1/8" x 2-11/16" (917 x 917 x 69)	1-7/8" (47)	N = 1-1/4 U = 1-1/2	BN86	50 (3.5)	475 (225)	550 (250)
6K48__HDL	540,000 (244,898)	K48__HDL	48-1/8" x 48-1/8" x 2-11/16" (1222 x 1222 x 68)	2-1/2" (63)	N = 1-1/4 U = 1-1/2	BN86	50 (3.5)	525 (248)	1,150 (525)

- Select Neoprene, or Urethane series Aero-Casters according to application requirements. To complete model number, insert N (neoprene) or U (urethane) in the blank listed above.
- Load must be positioned so individual Aero-Caster capacities are not exceeded.
- Variances depending on Aero-Caster material - Consult factory.
- Recommended for air supply hose length up to fifty (50) feet, consult factory for longer lengths.
- Recommended supply pressure: 25 psig above rated operating pressure.
- Air maximum load on required smooth trowled and sealed concrete or equivalent. (Includes large Reserve Factor)
- Listed for Neoprene (N) - for Urethane (U) estimate 1.5 times larger.

Standard Equipment:

- Four (4) or six (6) Load Modules.
- Control console with regulators to control pressure/volume to each Aero-Caster.
- Four (4) or six (6) interconnecting hoses (20' each).
- Quick disconnect fittings for all hoses.
- On/off ball valve for system control.
- Dealer start-up on-site.

Options:

- Heavy-duty Aero-Pack storage cart includes cart, manual rewind hose reel with 75' supply hose and fittings.
- Economy cart with removable lockbar.

Green shading reflects rental inventory.



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Load Module System Specifications (NEW MODELS)

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Specifications NEOPRENE 4 LOAD MODULE SYSTEMS				
Part#	Model	Capacity (lbs)	Control Console	Net Weight (lbs)
32601	4K8NL	4,000	BN34	60
32621	4K12NL	10,000	BN34	80
32643	4K15NL	17,000	BN64	115
32665	4K21NL	28,000	BN64	170
32687	4K27NL	56,000	BN64	290
32707	4K36NL	96,000	BN64	450
32727	4K48NL	192,000	BN84	820
32637	4K12N-HLSML	8,000	BN34	80
32659	4K15N-HLSML	14,000	BN64	115
32681	4K21N-HLSML	28,000	BN64	170
32606	4K8NHDL	8,000	BN34	60
32627	4K12NHDL	20,000	BN34	85
32649	4K15NHDL	34,000	BN64	125
32671	4K21NHDL	64,000	BN64	190
32692	4K27NHDL	112,000	BN84	300
32712	4K36NHDL	200,000	BN84	455
32732	4K48NHDL	360,000	BN84	820
NEOPRENE 6 LOAD MODULE SYSTEMS				
32801	6K8NL	6,000	BN66	105
32821	6K12NL	15,000	BN66	135
32843	6K15NL	25,500	BN66	170
32865	6K21NL	42,000	BN66	255
32887	6K27NL	84,000	BN66	425
32907	6K36NL	144,000	BN66	670
32927	6K48NL	288,000	BN86	1,100
32837	6K12N-HLSML	12,000	BN66	135
32859	6K15N-HLSML	21,000	BN66	170
32881	6K21N-HLSML	42,000	BN66	255
32806	6K8NHDL	12,000	BN66	105
32827	6K12NHDL	30,000	BN66	140
32849	6K15NHDL	51,000	BN66	185
32871	6K21NHDL	96,000	BN66	275
32892	6K27NHDL	168,000	BN86	440
32912	6K36NHDL	300,000	BN86	710
32932	6K48NHDL	540,000	BN86	1,220

Green shading reflects rental inventory.

Each Load System includes:

- Four or Six Load Modules with quick disconnect adapters
- Four or Six 20 foot long color coded interconnection hoses with quick disconnect coupler (both ends)
- Control console (except BN34) includes a quick disconnect fitting for auxiliary air powered equipment. I.E. AeroGo's Aero-Jack System
- Load Module includes Aero-Caster element and aluminum extrusion mounting. Supply hose and quick disconnect couplers available at an additional cost.

+ Net weight based on Slide-Mount Systems and includes both the mounting Assembly and Aero-Caster weights.

Note on estimated airflow - Air flow data is an estimate. Actual air flow is dependent on load weight, floor conditions and proper adjustment. Air flow listed on this page is an estimate of the air flow at a given load, and a good operating surface. Always multiply this air flow data times 1.75 (1.5 for GapMaster) to provide a safety factor, when providing data to customer, or when calculating air compressor requirements.

Specifications URETHANE 4 LOAD MODULE SYSTEM				
Part#	Model	Capacity (lbs)	Control Console	Net Weight (lbs)
32623	4K12UL	10,000	BN34	80
32645	4K15UL	17,000	BN64	115
32667	4K21UL	28,000	BN64	170
32689	4K27UL	56,000	BN64	290
32709	4K36UL	96,000	BN64	450
32729	4K48UL	192,000	BN84	820
32651	4K15UHDL	34,000	BN64	125
32673	4K21UHDL	56,000	BN64	190
32694	4K27UHDL	112,000	BN84	300
32714	4K36UHDL	200,000	BN84	455
32734	4K48UHDL	360,000	BN84	820
32754	4K60UHDL	480,000	BN84	1,200
URETHANE SIX LOAD MODULE SYSTEMS				
32823	6K12UL	15,000	BN66	135
32845	6K15UL	25,500	BN66	170
32867	6K21UL	42,000	BN66	255
32889	6K27UL	84,000	BN66	425
32909	6K36UL	144,000	BN66	670
32929	6K48UL	188,000	BN86	1,100
32851	6K15UHDL	51,000	BN66	185
32873	6K21UHDL	84,000	BN66	275
32894	6K27UHDL	168,000	BN86	440
32914	6K36UHDL	300,000	BN86	710
32934	6K48UHDL	540,000	BN86	1,220
32954	6K60UHDL	720,000	BN86	1,800
GAPMASTER 4 LOAD MODULE SYSTEMS				
<i>Gapmaster Load Modules are restricted to special applications for the movement of loads over gaps and steps in the operation surface. Always construct AeroGo for instructions on the use of GapMaster Load Modules in and application</i>				

Part#	Model	Capacity (lbs)	Control Console	Net Weight (lbs)+
32624	4K12GL	4,800	BN34	80
32646	4K15GL	8,000	BN64	125
32668	4K21GL	16,000	BN64	160
32690	4K27GL	28,000	BN64	250
32710	4K36GL	48,000	BN64	460
32652	4K15GHDL	18,400	BN64	135
32674	4K21GHDL	32,000	BN64	190
32695	4K27GHDL	66,000	BN84	315
32715	4K38GHDL	96,000	BN84	485
GAPMASTER SIX MODULE SYSTEMS				
32824	6K12GL	7,200	BN66	140
32846	6K15GL	12,000	BN66	145
32868	6K21GL	24,000	BN66	185
32890	6K27GL	42,000	BN66	270
32910	6K36GL	72,000	BN66	680
32852	6K15GHDL	27,600	BN66	190
32874	6K21GHDL	48,000	BN66	275
32895	6K27GHDL	99,000	BN86	460
32915	6K36GHDL	144,000	BN86	720

Urethane and Gapmaster models available for sale only.

