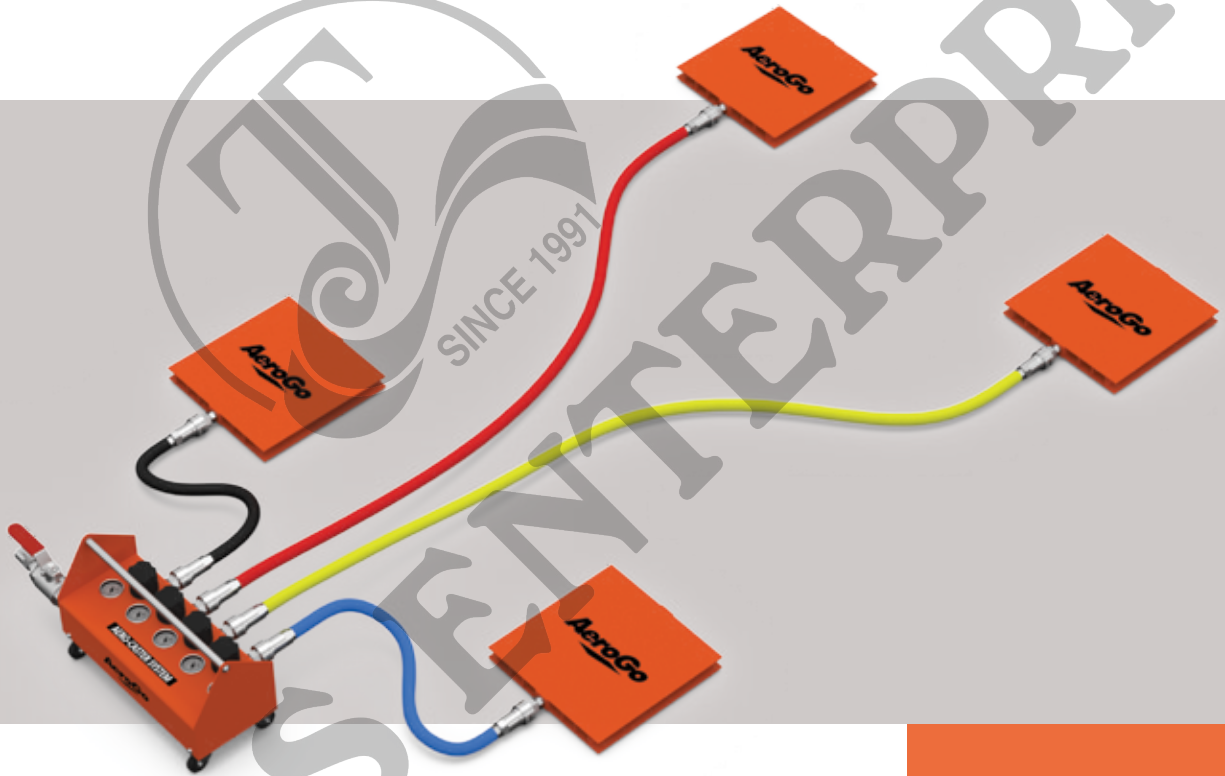


# Air Caster Rigging System



## Flexible system moves 500 lbs. to 270 tons



AeroGo® Air Caster Rigging Systems utilize the efficiency of air casters, a fluid film technology, which utilize compressed air to actually float heavy loads on a near-frictionless film of air.

**Unlimited Applications** Air Caster Rigging Systems are ideal for moving massive loads from assembly to shipping, for plant start-up or relocation, jacking or rotating assemblies, precisely aligning machines over footings, rearranging production lines, or for the repair of large and bulky items such as heat exchangers, machine tools and transformers.



**Versatile and Efficient** Air Caster Rigging Systems are simple to operate and extremely versatile. They can be configured to move a wide variety of loads that are heavy, awkward or delicate. Load movement is smooth and omni-directional, making it easy to precisely place heavy loads—even in tight spaces. Rigging Systems can be utilized in any work environment where there is an adequate floor surface. Even rough surfaces can be overcome by placing inexpensive overlay material to create a smooth travel path.

**Superior Load Distribution** Air casters distribute load weight over a much greater surface area than rollers or wheels. This eliminates floor surface damage and the need for specially reinforced floors.

**Easy to Implement and Inexpensive to Operate** AeroGo systems are more cost-effective—and much easier to operate—than traditional load movement methods. Plus, there are no moving parts so maintenance costs are low.

### Advantages to Moving Heavy Loads with Air Caster Technology:

- Low profile
- Low friction
- Economical and reliable
- Omnidirectional multi-positioning
- Flexible for a variety of applications
- 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

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)

Metric Specification

Model #	System Capacity* (kg)	Rated Pressure (kg/cm <sup>2</sup> )	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/cm<sup>2</sup>  
 \*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)



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