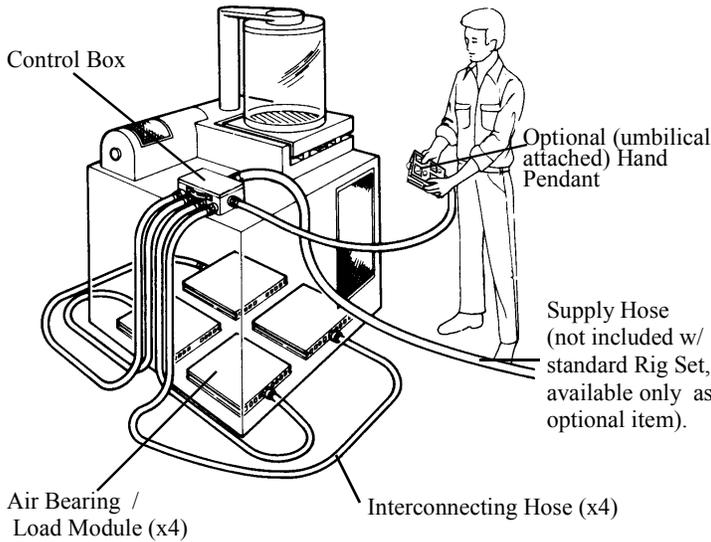




SOLVING AIR FILM TECHNOLOGY

RIG SET MODULAR AIR BEARING SYSTEM



Typical Rig Set Modular Air Bearing System

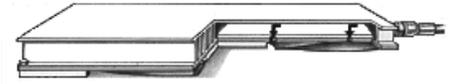
Standard Rig Set Consists of:

Qty. Description:

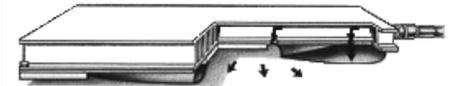
- (4) Air Bearing Elements.
- (4) Load Modules
- (4) Interconnecting Lines
- (1) Control Box

Optional Items:

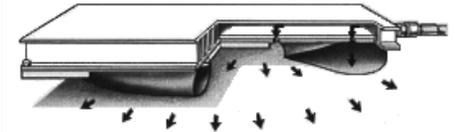
- Hand Pendant Controller (umbilical attached)
- Supply Hose.
- Six Module system
- Alternative Hose Lengths
- Air Jacks and also: outlet for Air Jacks.



The circular reinforced rubber bellow inflates & fills the gap between the mounting plate and the floor.



As the pressure increases, the mounting plate lifts off of the floor surface. (arrows indicate air flow)



When the pressure in the bellows is higher than the counter pressure of the load, the air flows out from the bellows forming a thin air film on which the load floats practically friction-free.

RIG SET TECHNICAL DATA

Consists of (4) Load Modules		Interconnecting HOSE (I.D. In.)	SUPPLY HOSE (I.D. In.)	1)	2)	MODULE Dimensions (in.)	Effective Lift Ht. (in.)	3)	Estimated Shipping Wt. (Lbs.)
SOLVING MODEL No.	RATED CAPACITY (Lbs.)			AIR Pressure (psi)	AIR Consumption (scfm)			Overall Deflated Ht. (in.)	
MLS-8L	2,000	1/2	3/4	13	25	8	3/8	1-3/8	82
MLS-12L	4,800	1/2	3/4	14	60	12	3/4	1-3/8 / 2	92
MLS-8S	6,600	1/2	3/4	43	60	8	3/8	1-3/8	82
MLS-12S	15,000	1/2	3/4	43	75	12	3/4	1-3/8 / 2	92
MLS-15S	22,000	1/2	1	43	90	15	7/8	1-3/8 / 2	104
MLS-21S	34,000	3/4	1-1/4	32	125	21	1	2-3/16	168
MLS-27S	56,000	3/4	1-1/4	32	145	27	1-1/4	2-7/16	246
MLS-36S	100,000	3/4	1-1/2	32	200	36	2	2-11/16	424
MLS-48S	180,000	3/4	1-1/2	32	240	48	3	2-11/16	688
*MLS-60S	280,000	3/4	1-1/2	32	330	60	3	3	980
MLS-8H	8,000	1/2	1	51	100	8	3/8	1-3/8 / 2	82
MLS-12H	20,000	1/2	1	57	100	12	3/4	1-3/8 / 2	92
MLS-15H	32,000	1/2	1	58	160	15	7/8	1-3/8 / 2	104
MLS-21H	68,000	3/4	1-1/4	63	220	21	1	2-3/16	173
MLS-27H	112,000	3/4	1-1/2	65	250	27	1-1/4	2-7/16	251
MLS-36H	200,000	1	2	63	355	36	2	2-11/16	434
MLS-48H	360,000	1	2	64	435	48	3	2-11/16	703
*MLS-60H	560,000	1	2	64	585	60	3	3	1000

1) At full rated capacity
 2) These values are for smooth sealed concrete with good "light reflective" quality, some surface deterioration, floor cracks with a maximum of 1/16" wide and filled expansion joints. (Maximum Air Consumption is dependent on floor condition).
 3) Models MLS 12 and 15 are shown with both cast aluminum top plates and extruded aluminum top plates.
 * Consult factory