






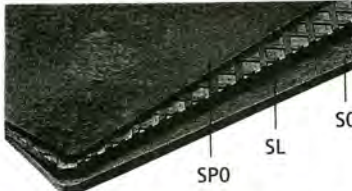


AIRLOC

INDEX PAGES

APPLICATION PAGES 2 - 6

SHEETS & PADS PAGES 7 - 11

	Sheet Abbreviation	Load Cap. lbs/sq in	Thick-ness ins	Coeff. of friction	Natural freq at optimal load		APPLICATION
					hz vert	horiz.	
 4.17.4	4 4-P1 smooth on one side	44 -116	0.59	0.8	53	13	Most commonly used for production machines in all groups. Metal , plastic, printing paper , textile , wood ,etc.
 4.17.5	5 5-P1 smooth on one side	87-174	0.98	0.68	41	9	
 4.17.0	0	73-174	0.55	0.64	74	10	Both surfaces plain, but still good non-skid properties and keeping levelness. Suitable for lathes grinding and special machine tools. i.e. for all machinery not having sufficient, own rigid base.
 32	32	29-73	0.86	0.73	27	9	Soft type for low frequency isolation requirements and for passive isolation of building vibrations. Particularly suited for machine mountings in multi-story buildings. Also ideal for laboratory equipment , i.e. precision scales , microscopes , etc.
 30	30 Smooth both sides	29-58	0.74	0.52	33	13	
 SA-W1	W1	15-44	0.51	0.79	29	9	
 4.17.6	6	145-725	0.55	0.62	61	16	Smooth both sides for high loads With adhesion coating on one side With adhesion coating on both sides 6,610 and 620 suitable for installation in oil pan.
	610	145-725	0.55	0.75	59	12	
	620	145-725	0.55	0.75	57	9	
	Cementable pads						
	6C	145-435	0.59	>>1	100	30	High stability for machine centers, die casting mach, hobbing gears.
 Non skid-shimming pads	SL	58-174	0.27	0.8	95	30	Profile both sides
	SL -P1	58-174	0.23	0.8	113	30	Smooth one side.
	S0	145-435	0.2	0.8	120	25	Smooth both sides
	S3	145-435	0.12	0.75	149	56	Smooth both sides
	SPO	145-435	0.08	0.75	138	19	Smooth both sides

FULL SIZE SHEETS ARE : 20" X 39-1/2"

Biloc pads against vibrations and sound transmission:

- For low frequency isolation
- High coefficient of adhesion
- Optimal dampening
- Lasts practically as long as machine life
- **For passive isolations**

Resistance against chemicals

AirLoc and BiLoc pads are to a large degree resistant against: oil, emulsions and cleaning detergents.



Sheet Abbreviation	Load Cap. lbs/sq in	Thick-ness ins	Coeff. of friction	Natural freq at optimal load		APPLICATION
				hz vert	horiz.	
B 1	15-73	0.51	0.71	21	6	Air conditioning units Measuring Apparatus Computer Systems Pre-fabricated false floors
B 2	15-73	1.02	0.71	14	5	As B 1 but on elevated floors
B 3	15-73	1.52	0.71	10	4	Measuring Machines Laboratory Equipment Foundation Isolations
B 4	15-73	2.03	0.71	9	3.5	As B 3 but on elevated floors

STANDARD SIZES ARE 20-1/2" X 20-1/2"

Temperature range

Airloc	from 0 deg C to + 70 deg C
Airloc 6- 620	from -10 deg C to + 70 deg C
Biloc	from -20 deg C to + 80 deg C

No matter what your installation problem, OUR EXPERIENCED TECHNICAL DEPARTMENT can help you. 3

Load lbs/sq in.	AirLoc Pads	Natural frequency f_{0V} in Hz	Fields of application
435 optimal 725 maximal	6	61 53.5	Machine-Centers Transfer-Lines
174 290	50	45 42.5	Heavy Duty Die Casting and Injection Moulding Machines, Presses, Shears
290	K-980	26	Casting Machines, Friction- Spindle Presses, Shredders
145 174	5	41 40	Gear Producing Machines Special Machines Gear Hobbing Machines
145 174	0	74 66	Milling-Boring Machines Wood Working Machines Sawing Machines
87 116	4	53 45.5	General Applications Rotary Printing Machines, Textile Machines Industrial Applications
87	K-905	27	Foundation Isolations
58 73	32	27 25	Stamping Presses, Shears Die Casting Machines Trafos, Gen-Sets, Aircon-Systems
58	K-975	18	Machine Foundations
73	K-974	14	Measuring Machines Testing Stands
44 58	30	33.5 32	Food Industry

Load lbs/sq in.	BiLoc Pads	Natural frequency f_{0V} in Hz	Fields of application
73	B 1	17.5	Aircon-Units, Measuring Apparatus Electronic-Computer Systems Prefabricated False-Floors
73	B 2	12	As B 1 but on Elevated Floors
73	B 3	9	Measuring Machines Laboratory Equipment Foundation Isolations

AIR-LOC applications can be varied to suit the circumstances of the machine and foundation. Thus multiple recommendations occur for the same machines and allows to choose from the following criteria in advance:

- **Completely free standing installation without any bolting of the machine to the foundation.**
- **Free standing installation with the Air-Loc element bolted to the machine.**
- **Rigid connection by bolting to the foundation**
- **INERTIA BLOCK isolation for special or static conditions-such as multi-story buildings. In order to produce efficient isolation in the passive range, pads must be of low frequency.**

- preferred type of application recommended
- less costly alternative

Metalworking Industry

- Machining Centers
- Drilling Machines
- Boring and Turning Machines
- Lathes < 1500 mm turning length
- Lathes > 1500 mm turning length
- Milling Machines, universal type
- Milling Machines, console type
- Planers and Shapers
- Compressors, Pumps
- Presses, Mechanical / Nibblers
- Presses, Hydraulic
- Saws
- Shears / Folding Machines < 2000
- Shears / Folding Machines > 2000
- Grinding Machines
- Forging Machines
- Stamping Machines
- Transfer-Lines
- Twisting Machines

	Wedgmount® Precision Levelers						Jacmount® bolt-on Adjustable Levelers						acc. to our proposal			
	Freestanding Pad 4/0, on top non skid	Bolt-on Pad 4/5/50	Bolt-on Pad 0/6	Bolt-on Pad 6 C. cementable	Bolt-thru Pad 6/50	Bolt-thru KSC rigid-connection	GLV/GLR Pad 4/0	GLV/GLR Pad 0/6	GLV/GLR Pad 30/32	Bolt-on			Dampening pads	Foundation Isolation		
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Plastic and Rubber Industry

- Granulators
- Mixing Mills / Calenders
- Mixers
- Injection Moulding Machines

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Printing and Paper Converting Industry

- Bookbinding Machines
- Printing Machines
- Folding Machines
- Paper Converting Machines
- Paper-Shears
- Packaging Machines

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Other Industries

- Building / Stone / Earth
- Chemical Industry (INOX version)
- Heating Installations
- Woodworking
- Air Conditioning
- Measuring Machines
- Food Industry (INOX version)
- Optical Instruments
- Textile Industry
- Washing / Cleaning Machines

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No matter what your installation problem, OUR EXPERIENCED TECHNICAL DEPARTMENT can help you.

AIR-LOC BASIC APPLICATION RULES:

AIR-LOC MATERIALS 4-17-4 & SL SOLVE MOST VIBRATION APPLICATION PROBLEMS. THEY ARE AVAILABLE IN SHEETS , CUT-TO-SIZE PIECES ,OR ON LEVELING AND VIBRATION MOUNTS, CALLED JACMOUNTS AND WEDGMOUNTS.

(IF 4-17-4 AND SL MATERIALS CANT DO THE JOB , THEN AIR -LOC HAS SEVERAL OTHER TYPE MATERIALS TO HANDLE THE SPECIAL PROBLEMS. (SEE PAD SECTION)

- 1. LOADING ON AIR-LOC 4-17-4 & SL MATERIAL SHOULD BE 40 P.S.I. TO 125 PS.I., WHETHER YOU USE SHEETS , CUT-TO SIZE PIECES , JACMOUNTS OR WEDGMOUNTS.**
- 2. WHEN THERE ARE MORE THAN 4 POINTS OF SUPPORT ,THEN JACMOUNTS OR WEDGMOUNTS ARE RECOMMENDED FOR EASE OF LEVELING AND REDUCTION OF INSTALLATION TIME**
- 3. THE DISTANCE BETWEEN MOUNTS OR PADS SHOULD NOT EXCEED 48" TO PREVENT BASE PLATE SAG OR DEFLECTION.**
- 4. ALL MOUNTS SHOULD HAVE EQUAL LOADING .THAT IS , SIMPLY DIVIDE THE MACHINE WEIGHT BY THE NUMBER OF MOUNTS AND THAT GIVES THE LOAD REQUIREMENT FOR EACH MOUNT.**

EXAMPLE:

IN THE CASE OF LATHES,THE HEAD STOCK IS USUALLY 2/3 OF THE MACHINE TOTAL WEIGHT AND THE TAIL STOCK IS 1/3.

THIS MEANS THAT IF YOU HAVE 2 MOUNTS FOR THE TAILSTOCK,THEN 4 ARE NEEDED FOR THE HEAD-STOCK,IN ORDER TO GET EQUAL LOADING ON ALL MOUNTS.

- 5. ISOLATION SYSTEMS OR IN-PLANT SURVEYS USUALLY REQUIRE ENGINEERING ASSISTANCE FOR GUARANTEE OF INSTALLATION PERFORMANCE.**
- 6 . WHEN IN DOUBT , JUST SIMPLY CALL US TOLL FREE FOR TECHNICAL ASSISTANCE.**

CALL OUR TECHNICAL DEPARTMENT TOLL FREE.

AIRLOC SHEETS & PADS

INDEX PAGES 7 - 11

AirLoc Pads

Type



4.17.4



4.17.5



4.17.0



32



SA-W1



4.17.6

SHEETS & PADS

FELT - SURFACE PADS



High speed punch presses, cold headers, and other like machines produce strong horizontal forces. For this reason they should be securely cemented to the floor. Two types of felt-surfaced pads are available—the 8C (1" thick), and the 3C (5/8" thick with homogenized core).

Cementing felt-surfaced vinyl pads

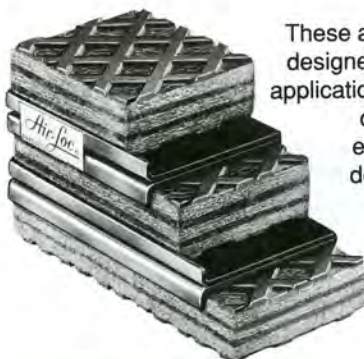
Both the vinyl and epoxy cements require the equivalent of two quarts of cement for each 20" x 39.5 sheet (775 square inches) for the two sides of same.

Complete instructions are on each can of either type of cement. Please read these instructions carefully.

SHOCK DAMPERS

These multi-layered sandwiches are constructed of alternate layers of Air-Loc pads and rugged metal pan plates. This allows for a selection of the proper pad and the number of layers required for a particular installation for presses from 250 ton and over 2500 ton with press weights in excess of a million pounds.

The larger size presses are usually mounted directly on the steel beams and normally are level. Should either the beams or floor not be level, use Air-Loc adjustable mounts available with capacities up to 250,000 lbs. each.



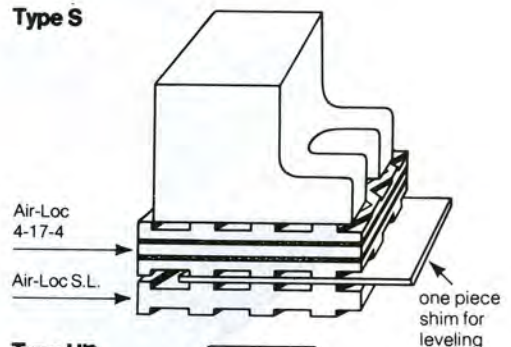
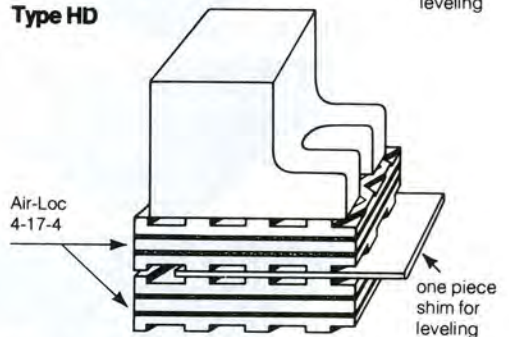
These are custom designed for each application. Please consult our engineering department.

INSTALLATION

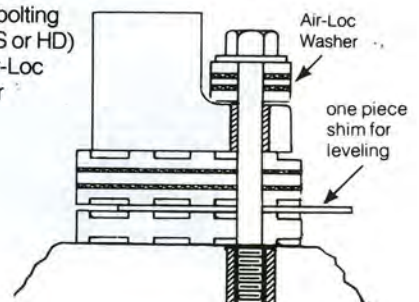
NOTE: The floor and machine feet must be clean and free of all dust, oil and grease when installing.

Installations for machine tools, general purpose machines, and textile machines consist of one piece each of Air-Loc 4-17-4 and SL under each point of support.

The area of the Air-Loc pads should be such that they are loaded to a minimum of 50lbs. per square inch. Under machines having large horizontal forces (shapers and planers, etc.) load the pads to 100lbs. per square inch to prevent "walking".

Type S**Type HD**

When bolting (Type S or HD) use Air-Loc washer



SHEETS & PADS

WHAT IS - AIR-LOC ?

To effectively control vibration, shock, and its attendant noise, you need a tough, resilient, and extremely durable mounting product . . . you need Air-Loc. Air-Loc mounting pads and adjustable leveling mounts absorb 85% of the vibration. How? By combining three key ingredients, each of which adds its own particular strength to the end product.



Specially treated cork

Cork provides Air-Loc pad with excellent ability to absorb vibration, shock, and noise.

Fibre

Tough fibres are used in such products as cordage and binder twines. The fibres in Air-Loc are woven into a thick, tough mat. This mat gives the pad its body and tensile strength.

Vinyl

Inert to many damaging ingredients, vinyl serves two important roles in an Air-Loc pad. First, it makes the pad resistant to water, petroleum products, fungi, weak acids, and alkali solutions. Second, vinyl acts to seal and hold together the ground cork and fibres into a firm mass that can be flexed without breaking or crumbling.

MOUNTING PADS

Mounting pads — The high coefficient of friction (.7 at 50 P.S.I.) enable most machines to be installed on Air-Loc without bolting or cementing.

A typical installation for a machine tool should use a type S (standard) installation which consists of an upper pad of Air-Loc 4-17-4 plus a lower one of non-slip SL.

Leveling, if required, can be accomplished by inserting a single shim between the two pads. For installation of impact machines such as nibblers and punch presses, both the upper and lower pads must be of the 4-17-4 variety making it an HD (heavy-duty installation).

Air-Loc SL pads are not intended to be used alone as they function primarily as non-skid pads between shim and floor.

All Air-Loc pads are made in 18" x 36" sheets. Half-size and quarter-size sheets are also available. We will also cut to any size you may require.

PAD - PAKS

Pad-Paks® — Designed for machines with four legs or points of support, Pad-Paks eliminate costly calculating and cutting time. Too, they eliminate waste material when cutting from sheets, making pad selection fast and easy. All Pad-Paks are clearly marked with total machine weight and type (standard "S" or heavy-duty "HD").

Designed for all machine tools, lathes, milling machines, drill presses, etc., each type "S" Pad-Pak contains four pads of Air-Loc 4-17-4 and four pads of Air-Loc SL. The machine, at each of its support points, rests on a combination of the two pads, with Air-Loc SL on the floor.

Heavy-duty machines, machines producing severe shock (punch presses, nibblers, shears, press brakes, etc.), as well as all grinding machines require type "HD" Pad-Paks. Here each Pad-Pak contains eight 4-17-4 pads to be used, in double thickness, under each of the four supporting areas.

Leveling, for either the type "S" or type "HD" Pad-Paks is accomplished by inserting a single metal shim between the two pads.



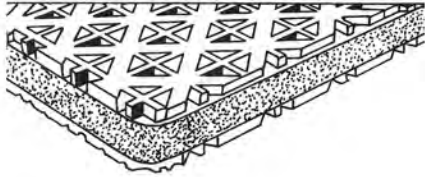
PAD - PAK CHART

Pad-Pak Use Chart

Package Number (8 Pieces)		Pad Size Inches	Machine Weight Pounds
Type S	Type HD		
A10S	A10HD	2 x 2	1000
A15S	A15HD	2 1/2 x 2 1/2	1500
A20S	A20HD	2 7/8 x 2 7/8	2000
A30S	A30HD	3 1/2 x 3 1/2	3000
A40S	A40HD	4 x 4	4000
A50S	A50HD	4 1/2 x 4 1/2	5000
A60S	A60HD	4 3/4 x 4 3/4	6000
A70S	A70HD	5 x 5	7000
A80S	A80HD	5 1/2 x 5 1/2	8000
A100S	A100HD	6 x 6	10000

AirLoc PADS & SHEETS

SHEETS



AirLoc Full size sheets 20" x 39-1/2"

Type	Wt(lbs)	Abbreviation	Load Capacity Range lbs / sq in	Thickness ins.	Coefficient of friction
4-17-4	18	4	43-116	5/8"	0.9
4-17-5	32	5	87-174	1"	0.9
4-17-50	32	50	87-290	1"	0.6
4-17-0	18	0	73-174	9/16"	0.6
4-17-32	24	32	29-73	7/8"	0.9
4-17-30	18	30	29-58	3/4"	0.9
SA-W1	12	W1	15-50	1/2"	0.9
4-17-6	18	6	145-725	9/16"	0.4
SL	8	SL	44-174	1/4"	0.9
SL-P1	8	SL-P1	44-174	1/4"	0.9
SPO	5	SPO	0-435	.100"	0.9
S3	4	S3	0-435	1/8"	0.4
S0	6	S0	0-290	3/16"	0.6
LF132***	8	LF132	15-50	1/2"	0.9
4-17-3C	16	3C		5/8"	
4-17-8C	28	8C		1"	

Custom pads cut - to - size available (Call Toll Free : 800-523-5474)

See Pad Pak Selection Sheet

*** Size of LF132 = 19.7" x 19.7"

** 2 Quarts of Cement required for both sides of 3C or 8C Sheets

PADPAKS



AirLoc PAD PAKS

Type A	Type HD	Load Cap. Range
4 PCS 4-17-4 & 4 PCS SL	8 PCS 4-17-4	lbs / sq in
A15 (2"x 2")	HD15 (2"x 2")	500-1500
A20 (3"x 3")	HD20 (3"x 3")	1500-2000
A40 (4"x 4")	HD40 (4"x 4")	2000-4000
A60 (5"x 5")	HD60 (5"x 5")	4000-6000
A80 (6"x 6")	HD80 (6"x 6")	6000-8000
A100 (8"x 8")	HD100 (8"x 8")	8000-10000

AirLoc CEMENT

Type	Sizes
Vinyl	1/2 gal
Vinyl	1 gal
Epoxy	1/2 gal
Epoxy	1 gal

Note: 2 qts of either cement required for both sides of 3C or 8C Sheets.

CUT-TO-SIZE PIECES

