

# Vibration Control

Vibration-Isolating Pads, Rubber-Metal Isolators  
Low Frequency Pneumatic Leveling Mounts



# Isolate Unwanted Vibrations Effectively

## Unique variety

**This product group from ACE includes innovative solutions to provide customers with the best assistance in insulation technology and vibration isolation. These machine elements are also distinguished by their light design and exemplary variety.**

The product range extends from extremely low frequency isolating pneumatic leveling mounts through to ready-to-install rubber-metal isolators and insulation plates. With this portfolio, ACE is capable of offering you customized vibration isolation for almost any application.



## Vibration Isolation

**Noise reduction and vibration isolation are becoming more and more important in our daily lives. This applies in particular to the workplace and the environments around production companies.**

Preventing noise emissions or harmful vibrations is not only a necessity required by noise protection and occupational health and safety legislation; their sources must also be localized by means of targeted analysis in order to develop suitable improvement measures for achieving increased production quality. A second by-product of vibrations are their effects on the surrounding production environment and any measuring and testing facilities that may be in use.

### Advantages

- improved working conditions for people and the environment
- more accurate production tolerances and increased product quality
- competitive and cost advantages thanks to lower reject rate in production
- increased production speed thanks to increased maximum machine dynamics
- longer tool and machine life thanks to lower stress
- faster and more accurate measuring results

*For detailed information, see our ACEolator catalog*



# Rubber-Metal Isolators

## Ready-to-install isolators for quick selection

Rubber-metal isolators and machine feet are supplied ready-to-install and are used in a large variety of vibration isolation applications. Common applications are engines, compressors, transfer systems, machines, fans and blowers.



### LEV

#### Leveling Mounts (height-adjustable machine feet)

Secure, adjustable stabilization for all types of machines, transfer systems, assembly stations, etc.



### CM

#### Cup Mounts (cup elements)

For isolating machinery and equipment. Fail-safe isolators for all axes in any installation position. Application examples: compressors, off-road vehicles, engines, fans, etc.



### COM

#### Compression Mounts (pre-tensioned high-performance bearing surface)

Vertically acting isolators for machinery and equipment. Applications include: blowers, compressors, motors, generators, presses, etc.



### AAM

#### All Attitude Mounts (vibration-isolating fasteners)

Maintenance free isolators for decoupling parts and components in electronics, aerospace, the military, medicine, transfer systems, etc.



### SFM

#### Stable Flex Mounts (stable machine feet)

Extremely rugged and maintenance-free isolators, e.g. for marine applications, for diesel generators, in power generation or in off-road vehicles.



### BM

#### Bubble Mounts (low-frequency vibration isolators)

For protecting small devices and electronic components, e.g. in medical technology, aerospace, electronic systems or computers.



### UMO

#### Universal Mounts (universal connection isolators)

Maintenance-free connection isolators which can be implemented both radially and axially. Application examples: conveying systems, machinery and equipment, off-road, oil and gas industry, control systems, etc.



### FL

#### Flex Locs (quick fastening elements)

Simple, efficient components with versatile applications as isolating fasteners for decoupling structure-borne sound in enclosures, housings, equipment and machinery. For application in mechanical engineering, in buildings, vehicles, or navigation.

# Vibration-Isolating Pads

## Customized insulation technology through cutting and combining

A wide range of applications such as machine foundations, supports, decoupling elements, pipelines and subsequently protected machines require tailor-made solutions. Here with its product range of vibration insulating pads ACE offers comprehensive possibilities for insulation. The products are manufactured and supplied either as standard pads or as drawing parts according to customer request.



### SLAB

#### Universal Damping Pads

For application on foundations for plants and machines, compressors, in pump stations, generators, for insulations, measuring tables, buildings, etc.



### CEL

#### Low-Frequency Damping Pads

For use in foundations, buildings, transport routes, bridges, stairs, test benches, pump stations, generators, compressors, machines, etc.



### PAD

#### Rugged Fiber and Elastomer Pads

For isolating and protecting foundations, such as presses, plants, machines, as well as for use in pump stations, crane runways, bridges and heavy-duty applications

## Application overview

Type	Machines	Transfer systems	Construction Transport	Blower Fan	Foundations	Control units Electrical systems	Off-road vehicles
<b>Rubber-Metal Isolators</b>							
LEV	■	■		■			
CM	■		■	■			■
COM	■	■		■		■	
AAM		■	■			■	■
SFM			■				■
BM				■		■	
UMO	■	■	■			■	■
FL	■		■			■	
<b>Vibration-Isolating Pads</b>							
SLAB	■	■	■	■	■		
CEL	■	■	■	■	■		
PAD	■		■		■		■
<b>Air Spring Elements</b>							
PLM	■						
PAL					■		

Issue 04.2018 – Specifications subject to change

# Low Frequency Pneumatic Leveling Mounts

**Highly efficient insulation – it can hardly get any better**

Everywhere perfect isolation of measuring tables, test equipment and high-performance machines are important the low frequency pneumatic leveling mounts PLM and PAL are a good choice. On request a detailed system analysis will be carried out at the customer and the perfect solution will be developed.



## PLM

### Pneumatic Air Spring Elements

For an efficient isolation of measuring equipment, high-speed presses and machines.



## PAL-3 to PAL-9

### Small Size Air Spring Elements

The perfect leveling and isolation system for smaller constructions that require precision and flexibility. Available in the system with many accessories.



## PAL-18 to PAL-1000

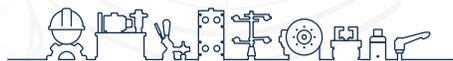
### Big Air Spring Elements with Automatic Level Controls

Isolation against disruptive vibrations and level-adjustment for test and measuring equipment. Isolating at extremely low-frequencies, these components are used in the automotive industry and in aerospace engineering.

More information about vibration control can be found in our special catalog and on our website [www.acecontrols.com / Downloads](http://www.acecontrols.com/Downloads)

Issue 04.2018 – Specifications subject to change

Engines Generators	Compressors	Oil and gas industry	Aerospace engineering	Presses	Medicine	Measuring tables	Test benches	Type
<b>Rubber-Metal Isolators</b>								
				■				LEV
■	■	■	■					CM
■	■			■				COM
■			■		■			AAM
■	■							SFM
					■			BM
■	■	■	■					UMO
■	■							FL
<b>Vibration-Isolating Pads</b>								
		■		■	■	■		SLAB
		■		■	■	■	■	CEL
		■		■				PAD
<b>Air Spring Elements</b>								
				■	■	■	■	PLM
			■			■	■	PAL



inf @ /CESEHSA.com.mx

