

English

CATALOGUE

AirLoc

stops vibrations

YOUR SPECIALIST FOR
VIBRATION ISOLATION ENGINEERING
AND MACHINE SETUP TECHNOLOGY

 SWISS TECHNOLOGY



Innovations in levelling and vibration control technology

For over 70 years the AirLoc name has stood for high-quality products in the areas of vibration isolation engineering, structure-borne noise control and precise machine leveling.

AirLoc Ltd.

Quality made in Switzerland

Our manufacturing facilities with modern machinery and a R&D department with its own laboratory, all located in 'Oetwil am See' near Zurich, Switzerland, are the basis for the high quality and precision of our products at a fair price-performance-ratio. A broad range of products available from stock guarantee an economical product selection and high supply availability. Our product quality and availability is the foundation of the excellent reputation with our customers.

Tailored solutions for your needs

AirLoc is your experienced partner for the development of tailor-made machine installation solutions. Engineering and manufacturing in Oetwil/Switzerland allows us to engineer and manufacture customized solutions in the shortest possible time.

Comprehensive one-stop service

We are a system supplier that offers our customers all-around service. From the planning phase of a project to the installation, we are your one-stop supplier. Our customers profit from our many years of experience. We offer efficient and complete solutions that increase our customers' competitiveness.

Foundation Vibration Isolation

One of our key know-how areas is designing custom vibration isolations for any kind of machine foundation. We have designed several hundred foundation isolation systems, even for large-scale foundation blocks of several thousand tons. The vibration isolation systems that we have designed were manufactured in-house and properly installed at customer premises under our supervision.



AirLoc at a glance

- 1 In-house production in 'Oetwil am See' (Switzerland) ensures highest product quality.
- 2 Excellent technical customer service according to the highest standards.
- 3 On time delivery from our high rise warehouse is guaranteed.
- 4 Customer solutions tailored to your needs.
- 5 Own Research & Development Department to meet your specific requirements.
- 6 Best reputation with our customers worldwide.

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Vibrations generated by machines and equipment are disturbing. The need to reduce vibration transmissions places increasing demands on machine engineers and operators. Targeted vibration prevention is therefore a must.

Vibration Engineering

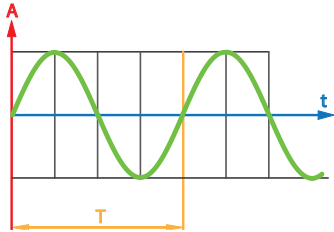


Figure 1: Harmonic vibration

Figure 1 shows a sinusoidal, undamped vibration. The most important terms in vibration engineering are frequency f , amplitude A and damping factor D . Natural frequency as well as resonance are also important figures when considering isolation systems.

Frequency f is a measure of the number of complete vibration cycles per second. $f = \frac{1}{T} \left[\frac{1}{s} = \text{Hz} \right]$

Structure-borne noise are vibrations that are conveyed in a solid body. Low frequencies are generally what we call mechanical vibrations.

The amplitude is the vibration wave range around its equilibrium. It determines the severity of vibration and is usually expressed in terms of acceleration or displacement.

Damping D designates the measure of amplitude reduction of the vibration of a freely oscillating spring-mass system through friction. Damping refers to the conversion of energy to heat.

Natural frequency f_0 of a body is the frequency with which the body freely oscillates around its equilibrium without external influence. Each body has its own natural frequency, which however can only be calculated in the simplest of cases. Usually it can be easily measured using impact or impulse triggering. If this natural frequency is close to a vibration generating frequency f_E , resonance is the result. In this case the amplitude increases, which could lead to the destruction of the system.

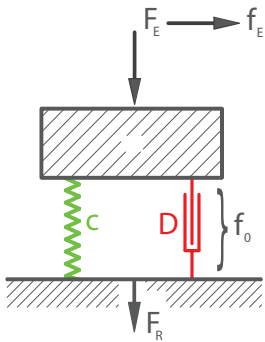


Figure 2: Vibration isolation of a dynamic system

m = mass
 c = spring constant
 D = damping core size

} f_0

f_0 = natural frequency of the isolation
 f_E = vibration generator frequency

} η

F_E = generator force
 F_R = remaining force

} V_k

Vibration Isolation

The vibration isolation of a dynamic system consists of isolating from the environment by means of an elastic body which has a considerably lower natural frequency f_0 from the system generating frequency f_E .

Figure 2 schematically shows such a system with isolation. Of practical interest is the transmitted force F_R output and ratio of this force to the original input force. This ratio, called force transmission factor V_k , is shown in Figure 3 as a function of the frequency ratio.

For $\eta = \sqrt{2}$ the V_k becomes 1 again and above $\eta = \sqrt{2}$ the result is isolation. The greater the ratio of vibration generating frequency f_E to natural f_0 , the better the degree of isolation $J = 1 - V_k$.

When elastic materials are used, it has been determined that below the resonance range of about $\eta = 0,5$ the vibration acceleration values are reduced and therefore isolation is provided.

The natural frequency as a function of the specific load must be determined for elastomers in laboratory measurements. The measurable reduction in thickness of the plates is designated compressive static deflection.

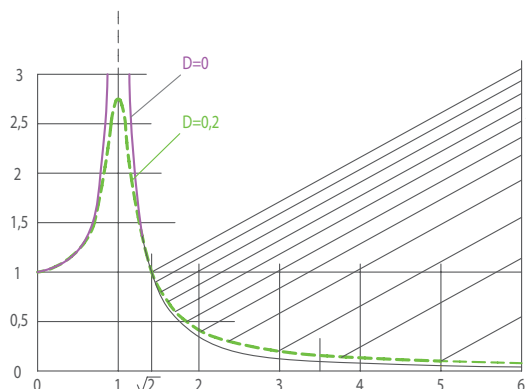


Figure 3: Force transmission factor as a function of the frequency ratio

AirLoc's new generation of anti vibration pads are highly developed materials for solving problems due to vibration and structure-borne noise. The technical and physical characteristics are in line with the latest state of elastomer development and cover application areas that were not possible a few years ago. With our wide range of anti vibration pads, vibration problems common to today's equipment can be solved economically and efficiently.

AirLoc Vibration Isolation Pads

Today's machines generate dynamic forces that were unthinkable a few years ago. AirLoc's new generation of isolation pads are highly developed materials for preventing problems due to vibrations and structure-borne noise.

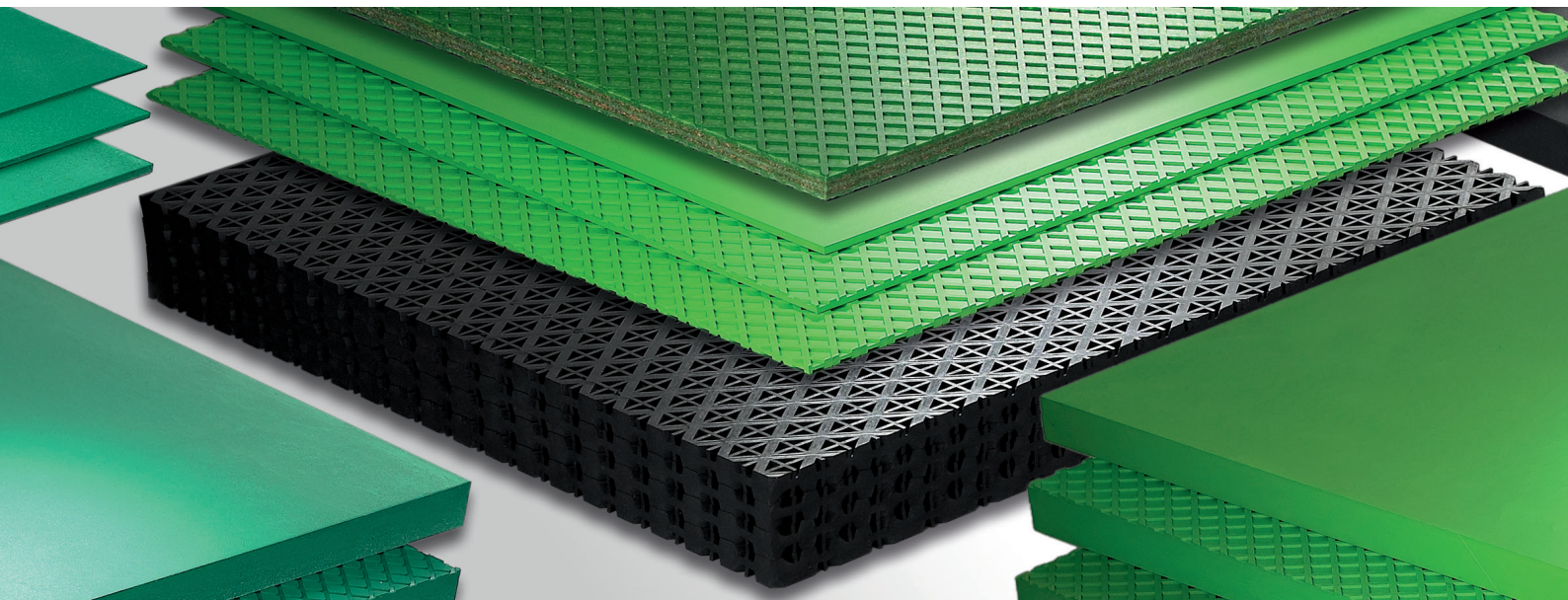
The technical and physical values are in line with the latest state of elastomer development and today cover application areas that were not possible a few years ago. Improved compression set and coefficient of friction maintain the machine's stability in the specified position for years, even when the dynamic load is high. Excellent resistance to all coolants, cleaning agents and lubricants

used in modern machine engineering operations means that these products can be reliably used trouble-free (e.g. in oil troughs).

AirLoc pad materials can be easily cut with a ribbon saw, keyhole saw or disk saw to the desired shape.

With our isolation pads, all vibration-caused problems common to today's machine engineering operations can be solved economically and efficiently.

All AirLoc Isolation Pads are REACH compliant.



Properties

- Very high ageing resistance
- Virtually unlimited service life
- No permanent changes in shape
- Very good chemical resistance
- Exceptionally good resistance to industrially used oils, fats and cooling emulsions, i.e. problem-free machine set-up in oil collecting drip pan is possible
- Temperature resistant

AirLoc vibration isolation pads of the Series BiLoc 400 have been specially developed for low-frequency applications. A high coefficient of adhesion and very narrow production tolerances offer a high level of application security and the best protection for your valuable equipment.

Series BiLoc 400

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	Sensitive devices that are affected by vibrations. Low structure height.	410 without profile	2.00100._	10	3 - 10	51	6
	Highly effective isolation for sensitive devices that are affected by vibrations.	425 without profile	2.00425._	25	3 - 8	23	5
	Production machines on multi storied buildings, measuring machines.	B1 profile both sides	2.00132._	13	1 - 4	28	8
	Passive isolation for sensitive devices, e.g. laboratory instruments and weighing equipment. Foundation isolations, passive isolation for very sensitive devices and systems.	B2 profile both sides	2.04202._	26	1 - 4	18	5
		B3 profile both sides	2.04203._	39	1 - 4	13	4
		B4 profile both sides	2.04204._	52	1 - 4	11	4

Standard pad sizes Series 400 BiLoc	Index	L mm	W mm	
Other dimensions in all shapes available from stock upon request.	_.____.70	1000	500	only 410 and 425
	_.____.71	500	500	
	_.____.72	500	250	
	_.____.76	250	250	
	_.____.80	200	200	
	_.____.85	125	125	
	_.____.86	100	100	

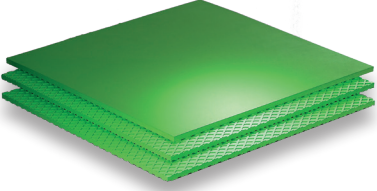
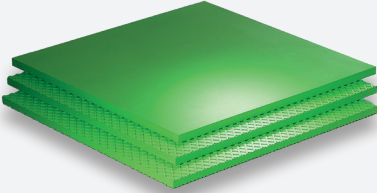
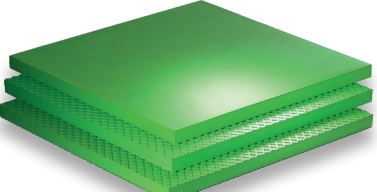
Temperature range: -20 °C to +80 °C
 Coefficient of friction: 0.9
 Shore hardness: 40 – 45° Shore A
 Pad tolerance DIN 7715-5 class P3

Series AirLoc 700

Universal use for excellent damping

AirLoc vibration pads of the Series AirLoc 700 are the result of 50 years of development and application experience in vibration engineering. Thanks to the high level of damping, the application is secure and extremely effective, even when used in critical operational condition.

Series AirLoc 700

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	Economical isolation pad with high damping. Low structure height. Suitable for production systems, general machine engineering.	710 without profile	3.07100._	10	5 - 20	82	16
		711 profile one side	3.07101._	10	5 - 20	64	14
		712 profile both sides	3.07102._	10	5 - 20	51	12
	Universally usable isolation pad with high damping effect. Many years of proven performance in all printing presses, paper and textile machines.	715 without profile	3.07150._	15	5 - 20	60	12
		716 profile one side	3.07151._	15	5 - 20	49	11
		717 profile both sides	3.07152._	15	5 - 20	40	10
	Highly effective isolation pad especially developed for machines with high dynamic force, such as presses, shearing machines and stamping machines.	725 without profile	3.07250._	25	5 - 20	41	9
		726 profile one side	3.07251._	25	5 - 20	36	9
		727 profile both sides	3.07252._	25	5 - 20	31	8

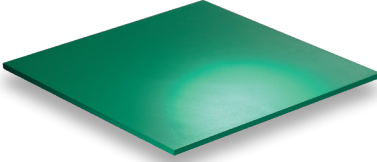
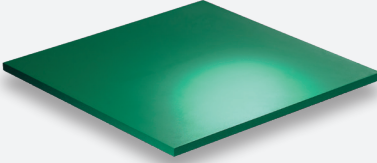
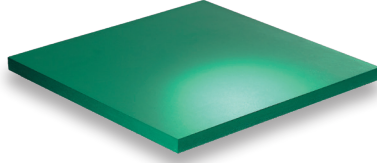
Standard pad sizes Series 700 AirLoc	Index	L mm	W mm
Other dimensions in all shapes available from stock upon request.	_.____.70	1000	500
	_.____.71	500	500
	_.____.72	500	250
	_.____.76	250	250
	_.____.80	200	200
	_.____.85	125	125
	_.____.86	100	100

Temperature range: -15 °C to +100 °C
 Coefficient of friction: 0.8
 Shore hardness: 70 - 75° Shore A
 Pad tolerance DIN 7715-5 class P3

We also offer a variety of different pad sets to solve your individual vibration problem. You can find some examples on page 11.

AirLoc vibration isolation pads in the series AirLoc 900 have been developed for all applications with high static and dynamic forces and for the greatest leveling stability. The very high load-bearing capacity and very good resistance to many chemicals, lubricants and fuels guarantee long service life.

Series AirLoc 900

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	Economical isolation pad for high static loads. Low structure height. For machining centers, machine tools with the highest level of constancy.	910 without profile	3.09100._F	10	7.5 - 40	71	19
	High load capacity isolation pads, especially for transfer lines and long-bed machines.	915 without profile	3.09150._F	15	7.5 - 40	56	16
	Isolation pad for machines with high dynamic force, such as presses, shearing machines and stamping machines.	925 without profile	3.09250._F	25	7.5 - 40	38	12

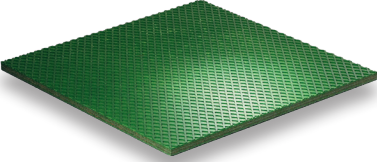
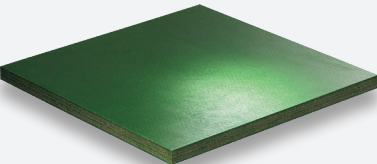
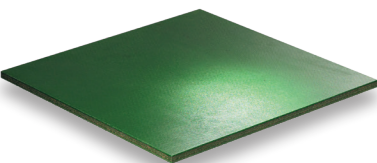
Standard pad sizes Series 900 AirLoc	Index	L mm	W mm
Other dimensions in all shapes available from stock upon request.	_.____.70F	1000	500
	_.____.71F	500	500
	_.____.72F	500	250
	_.____.76F	250	250
	_.____.80F	200	200
	_.____.85F	125	125
	_.____.86F	100	100

Temperature range:	-20 °C to +80 °C
Coefficient of friction:	0.8
Shore hardness:	90 – 95° Shore A
Pad tolerance DIN 7715-5 class P3	

We also offer a variety of different pad sets to solve your individual vibration problem. You can find some examples on page 11.

AirLoc anti-vibration composite pads are for all types of applications and have been tested and trusted for over 70 years. Thousands of successful applications make these anti-vibration pads the ideal material for any kind of machine setup.

Series Composite Pads

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	Universally applied. Well suited for machine tools and printing presses.	4.17.4 profile both sides	1.00402._	15.5	3 - 8	54	13
	High load capacity isolation pads for machines with high dynamic force.	4.17.50 without profile	1.00500._	25.5	6 - 18	27	7.5
	High load capacity isolation pads for machines with high dynamic force.	4.17.0 without profile	1.00400._	14.5	4 - 12	66	13

Standard pad sizes Series Composite

Index	L mm	W mm
_.70	1000	500
_.71	500	500
_.72	500	250
_.76	250	250
_.80	200	200
_.85	125	125
_.86	100	100

Other dimensions in all shapes available from stock upon request.

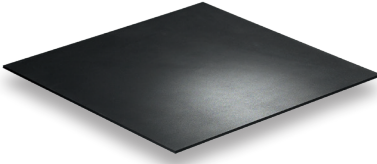
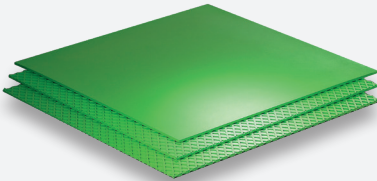
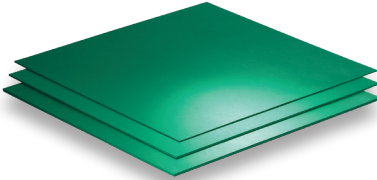
Temperature range: 0 °C to +70 °C
Coefficient of friction: 0.6 - 0.8

Tolerance pad thickness: +/- 1 mm

We also offer a variety of different pad sets to solve your individual vibration problem. You can find some examples on page 11.

AirLoc non-skid and shim pads are used as intermediate shims between two steel surfaces or to compensate different heights when a machine is set up. The use of top, proven materials mean applications you can count on for a long machine life.

Non-skid and Shim Pads

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	Excellent non-skid properties.	405 without profile	2.00050._	5	2.5 - 10	-	-
	Universally applied, long-term stability.	705 without profile	3.07050._	5	5 - 20	-	-
		706 profile one side	3.07051._				
		707 profile both sides	3.07052._				
	High load capacity, good leveling stability, high long-term stability.	902 without profile	3.09020._F	2	7.5 - 40	-	-
		903 without profile	3.09030._F	3			
		905 without profile	3.09050._F	5			

Standard pad sizes Non-Skid Pads

	Index	L mm	W mm
Other dimensions in all shapes available from stock upon request.	_.____.70	1000	500
	_.____.71	500	500
	_.____.72	500	250
	_.____.76	250	250
	_.____.80	200	200
	_.____.85	125	125
	_.____.86	100	100

Temperature range:

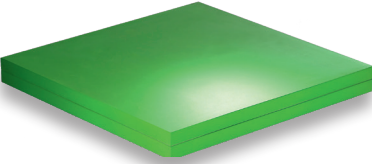
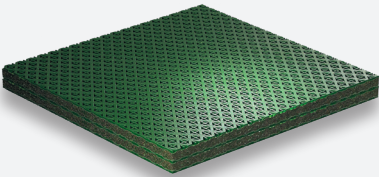
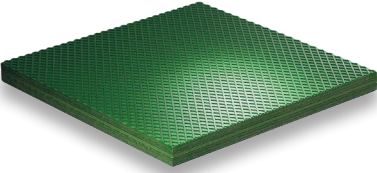
Series 400 and 900 -20 °C to +80 °C
Series 700 -15 °C to +100 °C

Coefficient of friction: 0.8 - 0.9

Pad tolerance DIN 7715-5 class P3

If the properties of the individual isolation pads are insufficient for optimal vibration isolation, isolation pads can be layered for additional adjustment. By layering 2 to 4 isolation pads to a set, the vertical natural frequency is reduced and effective vibration isolation is achieved.

Multi Layered Pad Sets

	Area of application	Type	Article No.	Pad thickness mm	Load max. daN/cm ²	Natural frequency, optimum load (Hz)	
						vertical	horizontal
	This 70° shore A material is characterised by very high damping and is therefore especially suitable for isolating setups of presses and similar machines. No profile, good non-skid properties.	K813 without profile	3.04813._	50	5 - 20	27	7.5
	Well suited as soft foundation isolation material. It is primarily used under foundations of presses and large machine tools of all kinds.	K975 profile both sides	1.04975._	44	1 - 4	18	5.5
	Well suited as standard quality for foundation isolations. It is primarily used under large foundations of newspaper printing presses and other heavy machines with big dimensions.	K905 profile both sides	1.04905._	36.5	3 - 8	36	8

Standard pad sizes Pad Sets

	Index	L mm	W mm
Other dimensions in all shapes available from stock upon request.	_.70	1000	500
	_.71	500	500
	_.72	500	250
	_.76	250	250
	_.80	200	200
	_.85	125	125
	_.86	100	100

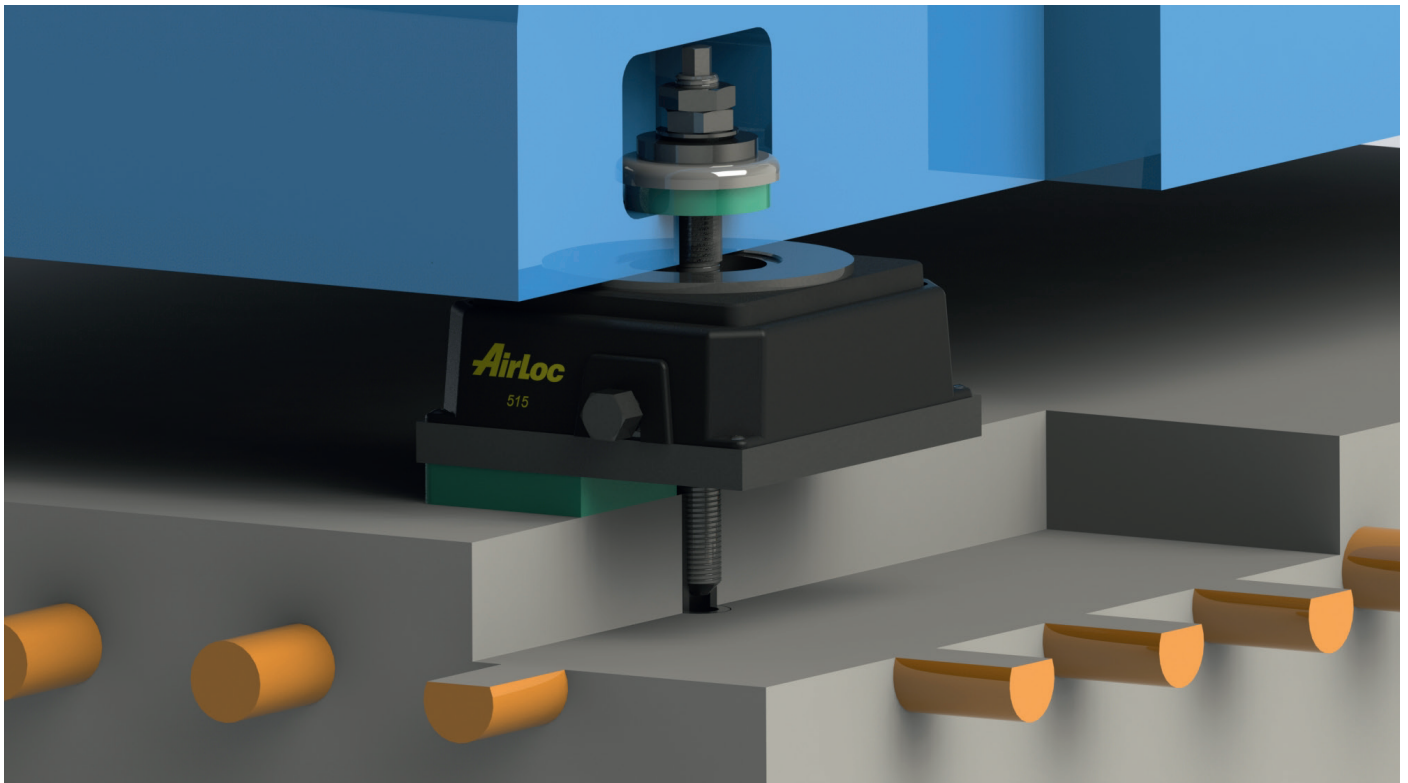
Temperature range: 0 °C to +70 °C
Coefficient of friction: 0.6 - 0.8

AirLoc offers a large selection of Wedgmount Precision Levelers. The large, even surface ensures optimal support of the machine bed. Heavy loads of up to 100 t per Wedgmount Precision Leveler can be quickly and with little force aligned to an accuracy of 1/100 mm. This shortens the setup time of a machine considerably.

Highest precision and lowest tolerances

AirLoc manufactures all Precision Levelers in our main plant in Switzerland. Modern manufacturing methods, such as the complete processing in one clamping operation, mean the maximum precision and tightest tolerances. AirLoc's Wedgmount Precision Levelers can therefore be easily leveled even with the heaviest loads.

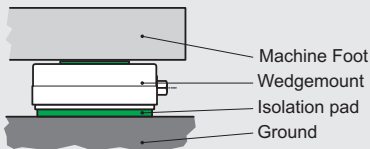
We do not compromise when it comes to the reliability and long service life of our products. This is why all Wedgmount Precision Levelers designed for heavy loads are manufactured from modular cast iron (GJS 400). Guide bolts and leveling spindles are made of high-strength steels. The patented top and bottom part lock provides optimal locking adhesion. The Wedgmount Precision Leveler always remains a cohesive unit and never falls apart into single elements, even when lifted.



A wide range of products available from stock is the basis for an economical product selection, high delivery reliability and an excellent reputation with our customers worldwide.

AirLoc offers different fastening systems for its Wedgmount Precision Levelers. The materials and design of the systems are optimally tuned to the Wedgmount Precision Levelers and the isolation pads. This results in a complete system that fixes your machine safely and reliably to the ground.

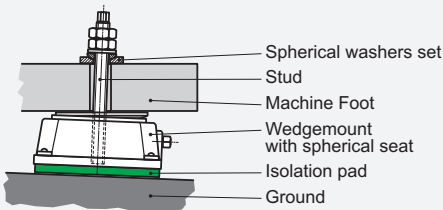
Fastening Systems



- Machine Foot
- Wedgmount
- Isolation pad
- Ground

Wedgmount Precision Levelers – free standing

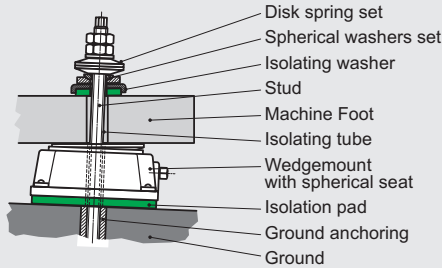
Ideal for machines without fastening holes and for free placement under the machine bed. Available in different versions, even for heavy loads for special bed constructions.



- Spherical washers set
- Stud
- Machine Foot
- Wedgmount with spherical seat
- Isolation pad
- Ground

Wedgmount Precision Levelers – bolt-on

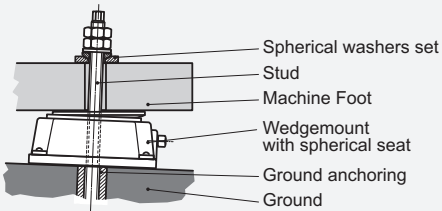
These are used where a permanent connection to the machine bed is necessary, e.g. machines with high dynamic force, such as stamping and injection moulding machines. The milled surface guarantees a precise and long-lasting connection to the machine bed. Also available in a spherical seat version for compensating angle differences of up to 3°.



- Disk spring set
- Spherical washers set
- Isolating washer
- Stud
- Machine Foot
- Isolating tube
- Wedgmount with spherical seat
- Isolation pad
- Ground anchoring
- Ground

Wedgmount Precision Levelers – bolt-through

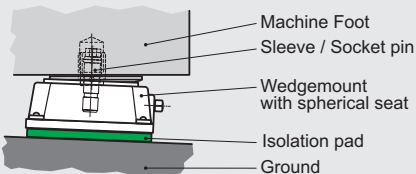
For machines which, due to low rigidity of the machine bed, have to be anchored to the ground, e.g. long-bed machines, boring machines, milling and machining centres. The milled surfaces guarantee a precise and long-lasting connection to the machine bed. Also available in a spherical seat version for compensating angle differences of up to 3°, e.g. for long-bed machines and uneven floors.



- Spherical washers set
- Stud
- Machine Foot
- Wedgmount with spherical seat
- Ground anchoring
- Ground

Wedgmount Precision Levelers – rigid clamp

For machines with the highest demand on geometry and, due to the low rigidity of the machine bed, have to be anchored in the ground without vibration isolation. The milled surfaces guarantee a precise and long-lasting connection to the machine bed. Also available in a spherical seat version for compensating angle differences of up to 3°.



- Machine Foot
- Sleeve / Socket pin
- Wedgmount with spherical seat
- Isolation pad
- Ground

Wedgmount Precision Levelers – socket mounted

Socket mounted AirLoc Wedgmount Precision Levelers were developed for customers whose machines have a closed machine foot without the possibility of tightening a fixing screw. To fix the AirLoc socket wedgmount Precision Levelers only a blind thread is necessary in the machine foot. A sleeve is screwed in there and the leveler is simply mounted on it.

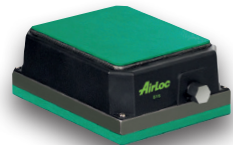
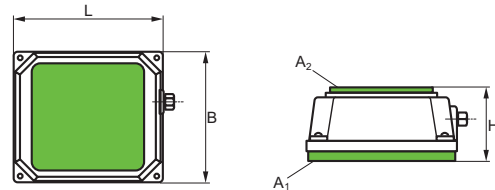
AirLoc's new Compact Wedgmount Precision Leveler Type 500-QFixx is available in different versions to provide maximum design flexibility for a highly efficient and economic machine support design. When combined with our AirLoc Isolation Pads, the result is reduced dynamic loads on the machine structure along with providing vibration isolation performance.

Color: RAL 9005, Black

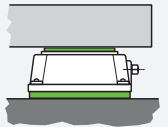


- Compact Precision Levelers where space is limited to install machine mounts
- 515-QFixx also available for subsequent anchoring version (KaBloc)
- Enclosed leveling mechanism for maximum endurance
- Fast and precise leveling
- Easy installation with low leveling torque required
- Provides excellent vibration isolation in combination with our well-known AirLoc Isolation Pads

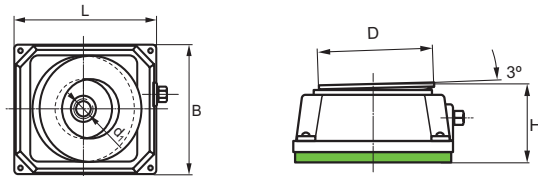
QFixx free standing



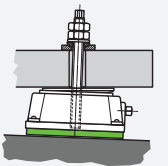
Type	Article No.	Load daN	H mm	L mm	B mm	Leveling range mm
505-VRC /NA	1.30505.56	2500	79			
505-VRC /NS	1.30505.73	6000	63	130	105	+/- 3
505-VRC /NU	1.30505.75	6000	71			
515-VRC /NA	1.30515.56	4500	85			
515-VRC /NS	1.30515.73	15000	69	160	140	+/- 5
515-VRC /NU	1.30515.75	12000	77			



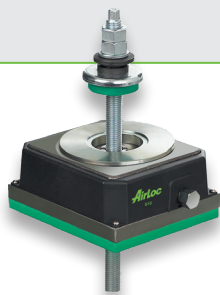
QFixx bolt-on



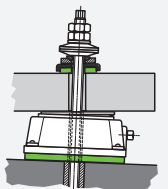
Type	Article No.	Load daN	H mm	L mm	B mm	d ₁	D mm	Leveling range mm
505.1-VRKC /716	1.36505.56	2500	78					
505.1-VRKC /902	1.36505.59	6000	65	130	105	M12 M16	60	+/- 3
505.1-VRKC /915	1.36505.65	6000	78					
515.1-VRKC /716	1.36515.56	4500	84					
515.1-VRKC /902	1.36515.59	15000	71	160	140	M16 M20	113	+/- 5
515.1-VRKC /915	1.36515.65	12000	84					



QFixx bolt-through

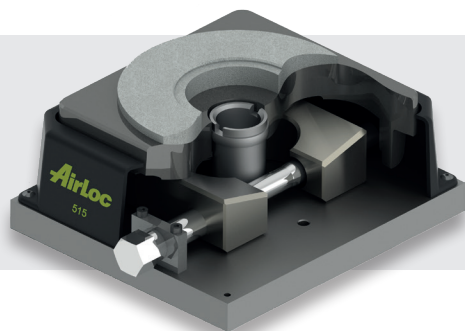


Type	Article No.	Load daN	H mm	L mm	B mm	d ₁ mm	D mm	Leveling range mm
505.2-VRKC /716	1.37505.56	2500	78					
505.2-VRKC /902	1.37505.59	6000	65	130	105	18	60	+/- 3
505.2-VRKC /915	1.37505.65	6000	78					
515.2-VRKC /716	1.37515.56	4500	84					
515.2-VRKC /902	1.37515.59	15000	71	160	140	21	113	+/- 5
515.2-VRKC /915	1.37515.65	12000	84					



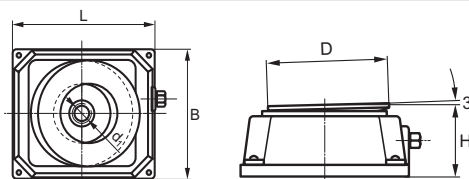
Rugged spherical seat version for extreme torsional strength on uneven floors or with base frames that are not machined.

Compact, bolt-on AirLoc Wedgmount Precision Levelers type QFixx KaBloc for optional anchoring where it is necessary once the system or machine interconnection is completely set up. This saves expensive installation templates and measuring of the exact anchoring positions.

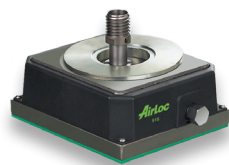


Available for a variety of fastening systems and special applications:

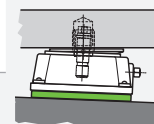
- Free standing
- Bolt-On
- Bolt-Through
- Socket Mounted
- Rigid Clamp
- KaBloc



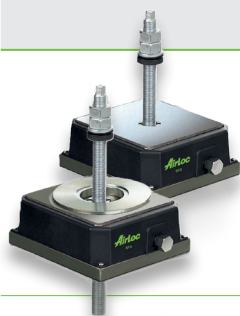
QFixx socket mounted



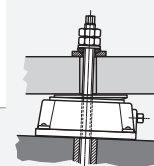
Type	Article No.	Load daN	H mm	L mm	B mm	d ₁	D mm	Leveling range mm
505.6-VRKCS /715	1.53505-6.57	2500	78					
505.6-VRKCS /902	1.53505-6.59	6000	65	130	105	-	60	+/- 3
505.6-VRKCS /915	1.53505-6.65	6000	78					
515.6-VRKCS /715	1.53515-6.57	4500	84					
515.6-VRKCS /902	1.53515-6.59	15000	71	160	140	-	113	+/- 5
515.6-VRKCS /915	1.53515-6.65	12000	84					



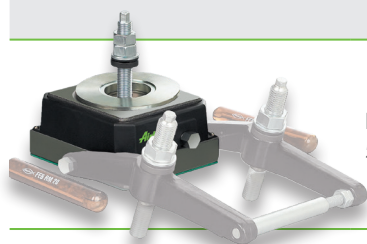
QFixx rigid clamp



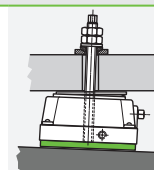
Type	Article No.	Load daN	H mm	L mm	B mm	d ₁	D mm	Leveling range mm
505-KSC	1.42505	6000	59				-	
505-KSKC	1.47505	6000	63	130	105	18	60	+/- 3
515-KSC	1.42515	15000	65				-	
515-KSKC	1.47515	15000	69	160	140	21	113	+/- 5



QFixx KaBloc



Type	Article No.	Load daN	H mm	L mm	B mm	d ₁	D mm	Leveling range mm
KaBloc 515.1 /902	1.34515.59	15000	86	160	140	M16 M20	60	+/- 5

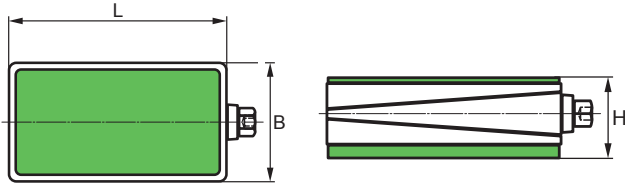


Please order brackets separately. See page 26.

Wedgmount Precision Levelers VRC - free standing

These anti-vibration mounts are ideal for machines without fastening holes and for free placement under the machine bed. Available in different versions, even for especially heavy loads for special bed constructions. No need for anchoring to the ground.

Color: RAL 7016, Anthracite Grey



AirLoc Wedgmount Precision Levelers with patented spring tensioning of top and bottom part achieve a unique lateral and longitudinal stability. Fast and easy adjustment to within 1/100 mm accuracy is possible with full machine load. This is your competitive edge when it comes to the precision and quality of your products.

Pad Combination NA



Pad Type NA

For tool, plastic and textile machines, graphic and general production machines. Superior isolation and damping properties. Excellent non-skid properties.

Top: AirLoc 706
Bottom: AirLoc 716

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
1-VRC /NA	1.30001.56	1100	57	105	55	+3.5	-6
2-VRC /NA	1.30002.56	2250	58	150	75	+5	-5
2-VRC-72 /NA	1.30002-72.56	2250	92	150	75	+10	-10
3-VRC /NA	1.30003.56	3500	66	200	95	+6	-6
3-VRC-72 /NA	1.30003-72.56	3500	92	200	95	+6	-6
4-VRC /NA	1.30004.56	8000	66	200	200	+6	-6
4-VRC-72 /NA	1.30004-72.56	8000	92	200	200	+6	-6
6-VRC /NA	1.30006.56	5000	90	115	250	+6	-10
7-VRC /NA	1.30007.56	8000	90	175	230	+8	-10
302-VRC /NA	1.30302.56	2500	61	115	115	+4	-5
303-VRC /NA	1.30303.56	3500	66	140	140	+6	-6
304-VRC /NA	1.30304.56	5000	73	170	170	+5	-8
306-VRC /NA	1.30306.56	2500	88	115	115	+8	-10
406-VRC /NA	1.30406.56	5000	74	115	250	+5.5	-6
407-VRC /NA	1.30407.56	10000	85	250	200	+11	-10
414-VRC /NA	1.30414.56	15000	104	300	250	+9	-9
450-VRC /NA	1.30450.56	25000	104	300	400	+9	-9

For further information please visit www.airloc.com



These anti-vibration mounts are ideal for machines without fastening holes and for free placement under the machine bed. Available in different versions, even for especially heavy loads for special bed constructions. No need for anchoring to the ground.

Color: RAL 7016, Anthracite Grey

Pad Combination NF



Pad Type NF

For passive placement of sensitive devices and machine placement in multi storied buildings. Best vibration isolation.

Top: AirLoc 903
Bottom: BiLoc B1

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
1-VRC /NF	1.30001.61	250	53	105	55	+3.5	-6
2-VRC /NF	1.30002.61	500	54	150	75	+5	-5
2-VRC-72 /NF	1.30002-72.61	500	88	150	75	+10	-10
3-VRC /NF	1.30003.61	1000	62	200	95	+6	-6
3-VRC-72 /NF	1.30003-72.61	1000	88	200	95	+6	-6
4-VRC /NF	1.30004.61	2000	62	200	200	+6	-6
4-VRC-72 /NF	1.30004-72.61	2000	88	200	200	+6	-6
6-VRC /NF	1.30006.61	1400	86	115	250	+6	-10
7-VRC /NF	1.30007.61	2000	86	175	230	+8	-10
302-VRC /NF	1.30302.61	600	56	115	115	+4	-5
303-VRC /NF	1.30303.61	1000	61	140	140	+6	-6
304-VRC /NF	1.30304.61	1300	68	170	170	+5	-8
306-VRC /NF	1.30306.61	600	83	115	115	+8	-10
406-VRC /NF	1.30406.61	1400	70	115	250	+5.5	-6
407-VRC /NF	1.30407.61	2500	81	250	200	+11	-10
414-VRC /NF	1.30414.61	3500	100	300	250	+9	-9
450-VRC /NF	1.30450.61	6000	100	300	400	+9	-9

Pad Combination NK



Pad Type NK

For transport lines, special machines and tool machines. High load capacity, excellent constant leveling stability and overall stability.

Top: AirLoc 903
Bottom: AirLoc 915

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
1-VRC /NK	1.30001.65	2000	55	105	55	+3.5	-6
2-VRC /NK	1.30002.65	4000	56	150	75	+5	-5
2-VRC-72 /NK	1.30002-72.65	4000	90	150	75	+10	-10
3-VRC /NK	1.30003.65	7000	64	200	95	+6	-6
3-VRC-72 /NK	1.30003-72.65	7000	90	200	95	+6	-6
4-VRC /NK	1.30004.65	14000	64	200	200	+6	-6
4-VRC-72 /NK	1.30004-72.65	14000	90	200	200	+6	-6
6-VRC /NK	1.30006.65	8000	88	115	250	+6	-10
7-VRC /NK	1.30007.65	10000	88	175	230	+8	-10
302-VRC /NK	1.30302.65	4500	58	115	115	+4	-5
303-VRC /NK	1.30303.65	7000	64	140	140	+6	-6
304-VRC /NK	1.30304.65	8000	71	170	170	+5	-8
306-VRC /NK	1.30306.65	4500	86	115	115	+8	-10
406-VRC /NK	1.30406.65	8000	72	115	250	+5.5	-6
407-VRC /NK	1.30407.65	22500	83	250	200	+11	-10
414-VRC /NK	1.30414.65	30000	102	300	250	+9	-9
450-VRC /NK	1.30450.65	50000	102	300	400	+9	-9

Ask for our individual solutions specifically designed for your machine!

These anti-vibration mounts are ideal for machines without fastening holes and for free placement under the machine bed. Available in different versions, even for especially heavy loads for special bed constructions. No need for anchoring to the ground.

Color: RAL 7016, Anthracite Grey

Pad Combination NS



Pad Type NS

For lathes, grinding machines, boring machines, transport lines and special machines. Ideal stability and non-skid properties. Without vibration isolation.

Top: AirLoc 902
Bottom: AirLoc 902

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
1-VRC /NS	1.30001.73	2500	41	105	55	+3.5	-6
2-VRC /NS	1.30002.73	5000	42	150	75	+5	-5
2-VRC-72 /NS	1.30002-72.73	5000	76	150	75	+10	-10
3-VRC /NS	1.30003.73	8000	50	200	95	+6	-6
3-VRC-72 /NS	1.30003-72.73	8000	76	200	95	+6	-6
4-VRC /NS	1.30004.73	14000	50	200	200	+6	-6
4-VRC-72 /NS	1.30004-72.73	14000	76	200	200	+6	-6
6-VRC /NS	1.30006.73	8000	74	115	250	+6	-10
7-VRC /NS	1.30007.73	10000	74	175	230	+8	-10
302-VRC /NS	1.30302.73	4500	45	115	115	+4	-5
303-VRC /NS	1.30303.73	7000	50	140	140	+6	-6
304-VRC /NS	1.30304.73	8000	57	170	170	+5	-8
306-VRC /NS	1.30306.73	4500	72	115	115	+8	-10
406-VRC /NS	1.30406.73	8000	58	115	250	+5.5	-6
407-VRC /NS	1.30407.73	22500	69	250	200	+11	-10
414-VRC /NS	1.30414.73	30000	88	300	250	+9	-9
450-VRC /NS	1.30450.73	50000	88	300	400	+9	-9

For further information please visit www.airloc.com



AirLoc Wedgmount Precision Levelers with 4-wedge system (types 5-VRC to 12-VRC) are constructed for heavy loads. The patented adjustment mechanism permits leveling heavy loads to within 1/100 mm accuracy and with a minimum of applied force.

Color: RAL 7016, Anthracite Grey

Pad Combination NA

Top: AirLoc 706
Bottom: AirLoc 716



For tool, plastic and textile machines, graphic and general production machines. Superior isolation and damping properties. Excellent non-skid properties.

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
5-VRC /NA	1.30005.56	5000	90	250	115	+8	-7
8-VRC /NA	1.30008.56	10000	90	255	205	+8	-7
10-VRC /NA	1.30010.56	17500	90	370	230	+13	-7
11-VRC /NA	1.30011.56	30000	93	502	302	+12	-4
12-VRC /NA	1.30012.56	50000	150	650	400	+16	-4

Pad Combination NK

Top: AirLoc 903
Bottom: AirLoc 915



For transport lines, special machines and tool machines. High load capacity, excellent constant leveling stability and overall stability.

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
5-VRC /NK	1.30005.65	10000	88	250	115	+8	-7
8-VRC /NK	1.30008.65	15000	88	255	205	+8	-7
10-VRC /NK	1.30010.65	25000	88	370	230	+13	-7
11-VRC /NK	1.30011.65	50000	91	502	302	+12	-4
12-VRC /NK	1.30012.65	100000	148	650	400	+16	-4

Pad Combination NS

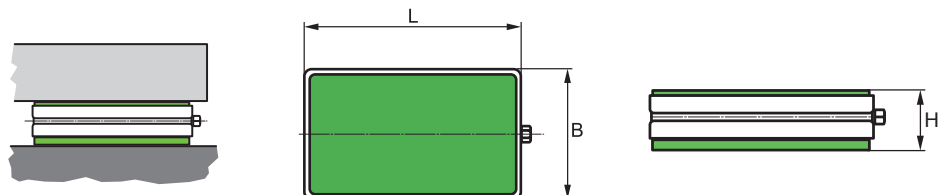
Top: AirLoc 902
Bottom: AirLoc 902



For lathes, grinding machines, boring machines, transport lines and special machines. Ideal stability and non-skid properties. Without vibration isolation.

Type	Article No.	Load daN	H mm	L mm	B mm	+/- H mm	
5-VRC /NS	1.30005.73	10000	74	250	115	+8	-7
8-VRC /NS	1.30008.73	15000	74	255	205	+8	-7
10-VRC /NS	1.30010.73	25000	74	370	230	+13	-7
11-VRC /NS	1.30011.73	50000	77	502	302	+12	-4
12-VRC /NS	1.30012.73	100000	134	650	400	+16	-4

AirLoc Wedgmount Precision Levelers with patented spring tensioning of top and bottom part achieve a unique lateral and longitudinal stability.



Wedgmount Precision Levelers VRC - bolt-on

AirLoc bolt-on Wedgmount Precision Levelers with patented spring tensioning of top and bottom part. The precision Wedgmount is bolted permanently onto the machine, but it can move freely on the ground and is set up with vibration isolation.

Color: RAL 7016, Anthracite Grey

AirLoc 716



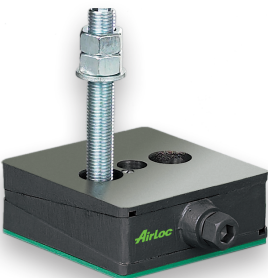
Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRC /716	1.31202.56	2500	56	58	27	115	115	M16	+4 -5
203-VRC /716	1.31203.56	3500	61	70	27	140	140	M16	+6 -6
204-VRC /716	1.31204.56	5000	68	68	27	170	170	M20	+5 -8
205-VRC /716	1.31205.56	8000	77	90	27	180	230	M20	+9 -9
206-VRC /716	1.31206.56	8000	77	90	27	205	230	M20	+9 -9
407.1-VRC /716	1.31407.56	10000	80	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRC /716	1.31414.56	15000	99	143	41	300	250	M20 / M24	+9 -9
450.1-VRC /716	1.31450.56	25000	99	143	42	300	400	M20 / M24	+9 -9

AirLoc 915

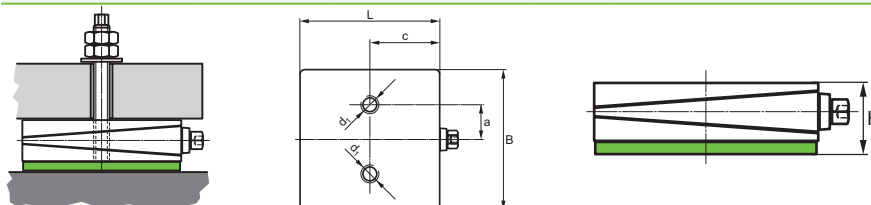


Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRC /915	1.31202.65	4000	56	58	27	115	115	M16	+4 -5
203-VRC /915	1.31203.65	6000	61	70	27	140	140	M16	+6 -6
204-VRC /915	1.31204.65	8000	68	68	27	170	170	M20	+5 -8
205-VRC /915	1.31205.65	10000	77	90	27	180	230	M20	+9 -9
206-VRC /915	1.31206.65	12000	77	90	27	205	230	M20	+9 -9
407.1-VRC /915	1.31407.65	22500	80	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRC /915	1.31414.65	30000	99	143	41	300	250	M20 / M24	+9 -9
450.1-VRC /915	1.31450.65	50000	99	143	42	300	400	M20 / M24	+9 -9

AirLoc 902



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRC /902	1.31202.59	4000	43	58	27	115	115	M16	+4 -5
203-VRC /902	1.31203.59	6000	48	70	27	140	140	M16	+6 -6
204-VRC /902	1.31204.59	8000	55	68	27	170	170	M20	+5 -8
205-VRC /902	1.31205.59	10000	64	90	27	180	230	M20	+9 -9
206-VRC /902	1.31206.59	12000	64	90	27	205	230	M20	+9 -9
407.1-VRC /902	1.31407.59	22500	67	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRC /902	1.31414.59	30000	86	143	41	300	250	M20 / M24	+9 -9
450.1-VRC /902	1.31450.59	50000	86	143	42	300	400	M20 / M24	+9 -9



Fixing systems suited to our bolt-on Wedgmount Precision Levelers can be found on page 39.

AirLoc bolt-on Wedgmount Precision Levelers in the spherical seat version with patented spring tensioning of top and bottom part. The Wedgmount Precision Leveler is permanently bolted onto the machine, but it can move freely on the ground and is set up with vibration isolation. For machine supports that are not machined or for uneven ground, the spherical seat guarantees a fixed connection to a slope of up to 3°.

Color: RAL 7016, Anthracite Grey

AirLoc 716



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRKC /716	1.36202.56	2500	68	58	27	115	115	M16	+4 -5
203-VRKCV /716	1.36243.56	3500	77	70	27	140	140	M16	+6 -6
204-VRKC /716	1.36204.56	5000	84	68	27	170	170	M20	+5 -8
205-VRKC /716	1.36205.56	8000	93	90	27	180	230	M20	+9 -9
206-VRKC /716	1.36206.56	8000	93	90	27	205	230	M20	+9 -9
407.1-VRKC /716	1.36407.56	10000	96	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRKC /716	1.36414.56	15000	134	143	41	300	250	M20 / M24	+9 -9
450.1-VRKC /716	1.36450.56	25000	134	143	42	300	400	M20 / M24	+9 -9

AirLoc 915

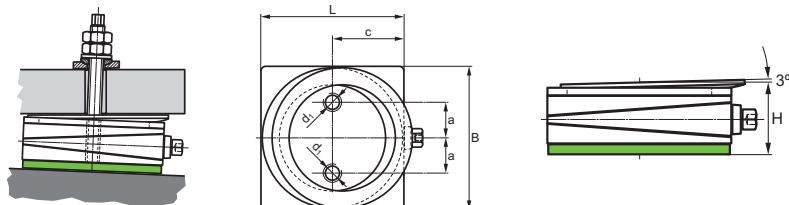


Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRKC /915	1.36202.65	4000	68	58	27	115	115	M16	+4 -5
203-VRKCV /915	1.36243.65	6000	77	70	27	140	140	M16	+6 -6
204-VRKC /915	1.36204.65	8000	84	68	27	170	170	M20	+5 -8
205-VRKC /915	1.36205.65	10000	93	90	27	180	230	M20	+9 -9
206-VRKC /915	1.36206.65	12000	93	90	27	205	230	M20	+9 -9
407.1-VRKC /915	1.36407.65	22500	96	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRKC /915	1.36414.65	30000	134	143	41	300	250	M20 / M24	+9 -9
450.1-VRKC /915	1.36450.65	50000	134	143	42	300	400	M20 / M24	+9 -9

AirLoc 902



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
202-VRKC /902	1.36202.59	4000	55	58	27	115	115	M16	+4 -5
203-VRKCV /902	1.36243.59	6000	64	70	27	140	140	M16	+6 -6
204-VRKC /902	1.36204.59	8000	71	68	27	170	170	M20	+5 -8
205-VRKC /902	1.36205.59	10000	80	90	27	180	230	M20	+9 -9
206-VRKC /902	1.36206.59	12000	80	90	27	205	230	M20	+9 -9
407.1-VRKC /902	1.36407.59	22500	83	125	32	250	200	M16 / M20 / M24	+11 -10
414.1-VRKC /902	1.36414.59	30000	121	143	41	300	250	M20 / M24	+9 -9
450.1-VRKC /902	1.36450.59	50000	121	143	42	300	400	M20 / M24	+9 -9



Fixing systems suited to our bolt-on Wedgmount Precision Levelers can be found on page 39.

Wedgmount Precision Levelers **VRC/VRKC bolt-on, centric**

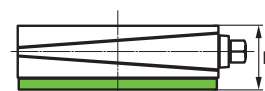
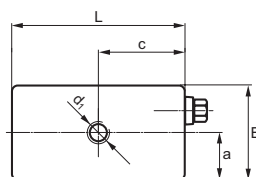
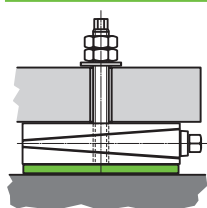
Centrically bolt-on AirLoc Wedgmount Precision Levelers with the Compact system, the spring tensioning of top and bottom part. The Wedgmount Precision Leveler is bolted permanently onto the machine, but it can move freely on the ground and is set up with vibration isolation. Available with or without spherical seat.

Color: RAL 7016, Anthracite Grey

Precision Wedgmount VRC - bolt-on, centric



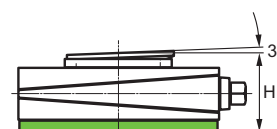
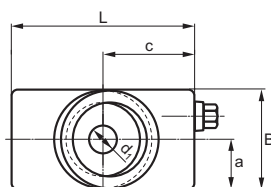
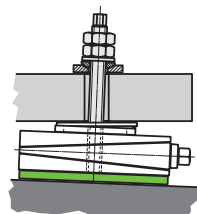
Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
2006.1-VRC /716	1.31106.56	3500	75	80	58	160	115	M12 / M16	+6 -6
2006.1-VRC /915	1.31106.65	6000	75	80	58	160	115	M12 / M16	+6 -6
2006.1-VRC /902	1.31106.59	6000	62	80	58	160	115	M12 / M16	+6 -6
2012.1-VRC /716	1.31112.56	5000	67	100	60	200	120	M12 / M16	+6 -6
2012.1-VRC /915	1.31112.65	10000	67	100	60	200	120	M12 / M16	+6 -6
2012.1-VRC /902	1.31112.59	10000	54	100	60	200	120	M12 / M16	+6 -6
2024.1-VRC /716	1.31124.56	8000	105	125	80	250	160	M16 / M20 / M24	+8 -7
2024.1-VRC /915	1.31124.65	15000	105	125	80	250	160	M16 / M20 / M24	+8 -7
2024.1-VRC /902	1.31124.59	17500	92	125	80	250	160	M16 / M20 / M24	+8 -7



Precision Wedgmount VRKC - bolt-on, spherical seat, centric



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Thread d1	+/- H mm
2006.1-VRKCV /716	1.36106V.56	3500	91	80	58	160	115	M12 / M16	+6 -6
2006.1-VRKCV /915	1.36106V.65	6000	91	80	58	160	115	M12 / M16	+6 -6
2006.1-VRKCV /902	1.36106V.59	6000	78	80	58	160	115	M12 / M16	+6 -6
2012.1-VRKCV /716	1.36112V.56	5000	83	100	60	200	120	M12 / M16	+6 -6
2012.1-VRKCV /915	1.36112V.65	10000	83	100	60	200	120	M12 / M16	+6 -6
2012.1-VRKCV /902	1.36112V.59	10000	70	100	60	200	120	M12 / M16	+6 -6
2024.1-VRKC /716	1.36124.56	8000	121	125	80	250	160	M16 / M20 / M24	+8 -7
2024.1-VRKC /915	1.36124.65	15000	121	125	80	250	160	M16 / M20 / M24	+8 -7
2024.1-VRKC /902	1.36124.59	17500	108	125	80	250	160	M16 / M20 / M24	+8 -7



Fixing systems suited to our bolt-on Wedgmount Precision Levelers can be found on on pages 39-40.

Wedgmount Precision Levelers VRC - bolt-through

The right choice for machines with changing loads, one-sided load bias or high dynamic disturbance forces. This Precision Leveler is permanently anchored to the machine and ground and nevertheless offers highly effective vibration isolation and impact isolation. The flat surface plus fast and precise adjustment to within 1/100 mm make your machinery setup easy and economical.

Color: RAL 7016, Anthracite Grey

AirLoc 716



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm	
212-VRC /716	1.32212.56	2500	56	58	27	115	115	22	+4	-5
213-VRC /716	1.32213.56	3500	61	70	27	140	140	22	+6	-6
214-VRC /716	1.32214.56	5000	68	68	27	170	170	26	+5	-8
215-VRC /716	1.32215.56	8000	77	90	27	180	230	26	+9	-9
216-VRC /716	1.32216.56	8000	77	90	27	205	230	26	+9	-9
407.2-VRC /716	1.32407.56	10000	80	125	32	250	200	28	+11	-10
414.2-VRC /716	1.32414.56	15000	99	143	41	300	250	28	+9	-9
450.2-VRC /716	1.32450.56	25000	99	143	42	300	400	28	+9	-9

AirLoc 915

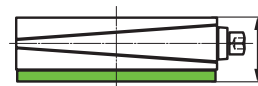
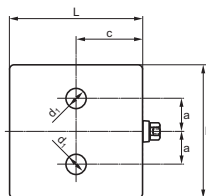
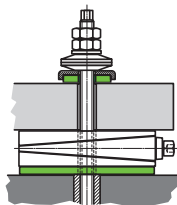


Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm	
212-VRC /915	1.32212.65	4000	56	58	27	115	115	22	+4	-5
213-VRC /915	1.32213.65	6000	61	70	27	140	140	22	+6	-6
214-VRC /915	1.32214.65	8000	68	68	27	170	170	26	+5	-8
215-VRC /915	1.32215.65	10000	77	90	27	180	230	26	+9	-9
216-VRC /915	1.32216.65	12000	77	90	27	205	230	26	+9	-9
407.2-VRC /915	1.32407.65	22500	80	125	32	250	200	28	+11	-10
414.2-VRC /915	1.32414.65	30000	99	143	41	300	250	28	+9	-9
450.2-VRC /915	1.32450.65	50000	99	143	42	300	400	28	+9	-9

AirLoc 902



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm	
212-VRC /902	1.32212.59	4000	43	58	27	115	115	22	+4	-5
213-VRC /902	1.32213.59	6000	48	70	27	140	140	22	+6	-6
214-VRC /902	1.32214.59	8000	55	68	27	170	170	26	+5	-8
215-VRC /902	1.32215.59	10000	64	90	27	180	230	26	+9	-9
216-VRC /902	1.32216.59	12000	64	90	27	205	230	26	+9	-9
407.2-VRC /902	1.32407.59	22500	67	125	32	250	200	28	+11	-10
414.2-VRC /902	1.32414.59	30000	86	143	41	300	250	28	+9	-9
450.2-VRC /902	1.32450.59	50000	86	143	42	300	400	28	+9	-9



Fixing systems suited to our Wedgmount Precision Levelers can be found on pages 39-40.

Precision Wedgmount VRKC - bolt-through, spherical seat

The right choice for machines with changing loads, one-sided load bias or high dynamic disturbance forces. This Wedgmount Precision Leveler is permanently anchored to the machine and ground and nevertheless offers highly effective vibration isolation and impact isolation. For machine supports that are not machined or for uneven ground, the spherical seat version guarantees a fixed connection to a slope of up to 3°.

Color: RAL 7016, Anthracite Grey

AirLoc 716



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm
212-VRKC /716	1.37212.56	2500	68	58	27	115	115	22	+4 -5
213-VRKCV /716	1.37243.56	3500	77	70	27	140	140	22	+6 -6
214-VRKC /716	1.37214.56	5000	84	68	27	170	170	26	+5 -8
215-VRKC /716	1.37215.56	8000	93	90	27	180	230	26	+9 -9
216-VRKC /716	1.37216.56	8000	93	90	27	205	230	26	+9 -9
407.2-VRKC /716	1.37407.56	10000	96	125	32	250	200	28	+11 -10
414.2-VRKC /716	1.37414.56	15000	134	143	41	300	250	28	+9 -9
450.2-VRKC /716	1.37450.56	25000	134	143	42	300	400	28	+9 -9

AirLoc 915

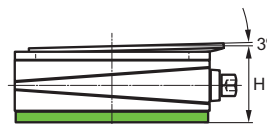
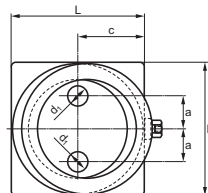
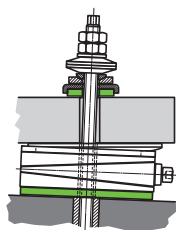


Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm
212-VRKC /915	1.37212.65	4000	68	58	27	115	115	22	+4 -5
213-VRKCV /915	1.37243.65	6000	77	70	27	140	140	22	+6 -6
214-VRKC /915	1.37214.65	8000	84	68	27	170	170	26	+5 -8
215-VRKC /915	1.37215.65	10000	93	90	27	180	230	26	+9 -9
216-VRKC /915	1.37216.65	12000	93	90	27	205	230	26	+9 -9
407.2-VRKC /915	1.37407.65	22500	96	125	32	250	200	28	+11 -10
414.2-VRKC /915	1.37414.65	30000	134	143	41	300	250	28	+9 -9
450.2-VRKC /915	1.37450.65	50000	134	143	42	300	400	28	+9 -9

AirLoc 902



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm
212-VRKC /902	1.37212.59	4000	55	58	27	115	115	22	+4 -5
213-VRKCV /902	1.37243.59	6000	64	70	27	140	140	22	+6 -6
214-VRKC /902	1.37214.59	8000	71	68	27	170	170	26	+5 -8
215-VRKC /902	1.37215.59	10000	80	90	27	180	230	26	+9 -9
216-VRKC /902	1.37216.59	12000	80	90	27	205	230	26	+9 -9
407.2-VRKC /902	1.37407.59	22500	83	125	32	250	200	28	+11 -10
414.2-VRKC /902	1.37414.59	30000	121	143	41	300	250	28	+9 -9
450.2-VRKC /902	1.37450.59	50000	121	143	42	300	400	28	+9 -9



Fixing systems suited to our Wedgmount Precision Levelers can be found on pages 39-40.

Precision Wedgmount VRC/VRKC bolt-through, centric

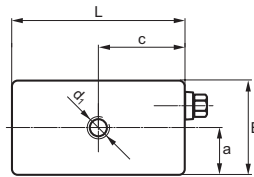
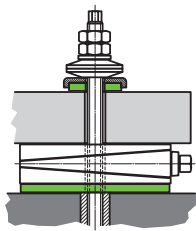
The right choice for machines with changing loads, one-sided load bias or high dynamic disturbance forces. The 2000 series permits bolting through centrally. This Wedgmount Precision Leveler is permanently anchored to the machine and ground and nevertheless offers highly effective vibration isolation and impact isolation. Available with or without spherical seat.

Color: RAL 7016, Anthracite Grey

Precision Wedgmount VRC - bolt-through, centric



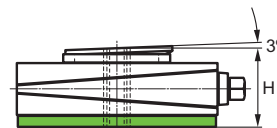
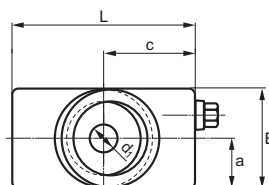
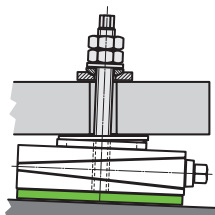
Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm
2006.2-VRC /716	1.32106.56	3500	75	80	58	160	115	21	+6 -6
2006.2-VRC /915	1.32106.65	6000	75	80	58	160	115	21	+6 -6
2006.2-VRC /902	1.32106.59	6000	62	80	58	160	115	21	+6 -6
2012.2-VRC /716	1.32112.56	5000	67	100	60	200	120	21	+6 -6
2012.2-VRC /915	1.32112.65	10000	67	100	60	200	120	21	+6 -6
2012.2-VRC /902	1.32112.59	10000	54	100	60	200	120	21	+6 -6
2024.2-VRC /716	1.32124.56	8000	105	125	80	250	160	27	+8 -7
2024.2-VRC /915	1.32124.65	15000	105	125	80	250	160	27	+8 -7
2024.2-VRC /902	1.32124.59	15000	92	125	80	250	160	27	+8 -7



Precision Wedgmount VRKC - bolt-through, spherical seat, centric



Type	Article No.	Load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- H mm
2006.2-VRKCV /716	1.37106V.56	3500	91	80	58	160	115	21	+6 -6
2006.2-VRKCV /915	1.37106V.65	6000	91	80	58	160	115	21	+6 -6
2006.2-VRKCV /902	1.37106V.59	6000	78	80	58	160	115	21	+6 -6
2012.2-VRKCV /716	1.37112V.56	5000	83	100	60	200	120	21	+6 -6
2012.2-VRKCV /915	1.37112V.65	10000	83	100	60	200	120	21	+6 -6
2012.2-VRKCV /902	1.37112V.59	10000	70	100	60	200	120	21	+6 -6
2024.2-VRKC /716	1.37124.56	8000	121	125	80	250	160	27	+8 -7
2024.2-VRKC /915	1.37124.65	15000	121	125	80	250	160	27	+8 -7
2024.2-VRKC /902	1.37124.59	15000	108	125	80	250	160	27	+8 -7



Fixing systems suited to our Wedgmount Precision Levelers can be found on pages 39-40.

Precision Wedgmount **KaBloc** - *subsequently anchorable*

You know the problem with machines and systems that are interconnected with each other. The exact anchor position is painstakingly measured, and expensive machine seat templates have to be made. The AirLoc Wedgmount Precision Levelers in the KaBloc series permit subsequent anchoring where it is necessary once the system or machine interconnection is completely set up. This results in anchoring costs reduction of about 80 to 90%.

Color: RAL 7016, Anthracite Grey

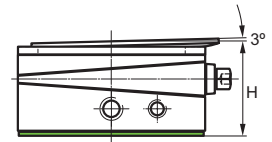
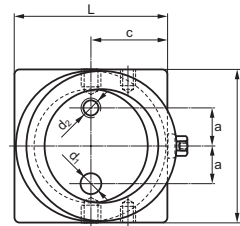
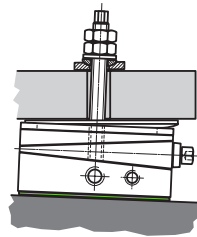
203.5xV KaBloc with AirLoc 903 shin pad



Type	Article No.	Leveling load daN	Leveling load + preload daN	H mm	d1	d2	c mm	a mm	L mm	B mm	+/- H mm
203.52V	1.34952.60	7000	14000	80	22 mm	M20	70	27	140	140	+6 -6
203.53V	1.34953.60	7000	14000	80	M20	M20	70	27	140	140	+6 -6
203.54V	1.34954.60	7000	14000	80	22 mm	22 mm	70	27	140	140	+6 -6

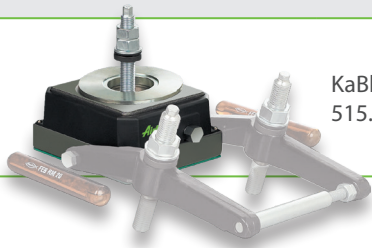
KaBloc - subsequently anchorable

For all interconnected machines and systems. Ideal interlockability, excellent constant leveling stability and overall stability.



QFixx KaBloc

Type	Article No.	Load daN	H mm	L mm	B mm	d ₁	D mm	Leveling range mm
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KaBloc
515.1 /902

1.34515.59

15000

86

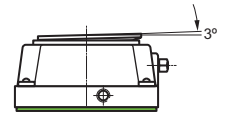
160

140

M16
M20

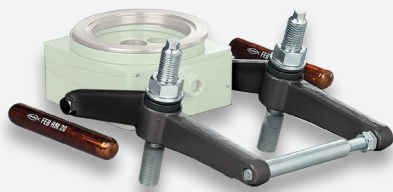
60

+/- 5



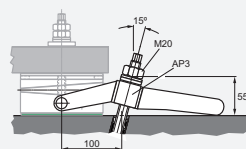
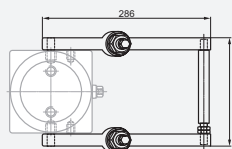
Please order brackets separately. See below.

KaBloc Brackets AP3 and AP9 for 203.5xV KaBloc and QFixx KaBloc

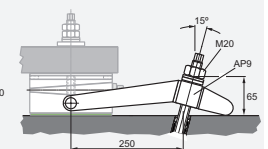
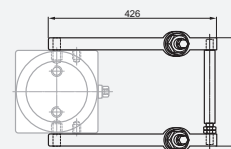


Accessories included

AP3 - Article No. 1.34903



AP9 - Article No. 1.34909



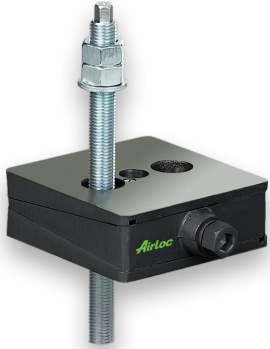
AirLoc Wedgmount Precision Levelers with patented spring tensioning of top and bottom part achieve a unique lateral and longitudinal stability. Fast and easy adjustment to 1/100 mm accuracy is possible with full machine load. This is your competitive edge when it comes to the precision and quality of your products.

Wedgmount Precision Leveler *KSC - rigid clamp*

The best choice when machines do not require vibration isolation and have to be connected to the ground or foundation prestressed. The 20xx series permits bolting on centrally. The milled surface and the fast and precise adjustment to within 1/100 mm accuracy make the high-precision setup of your machinery easy and economical.

Color: RAL 7016, Anthracite Grey

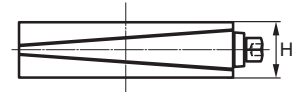
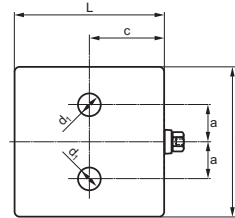
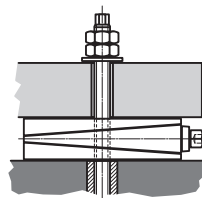
KSC Precision Wedgmount - rigid clamp



Type	Article No.	Leveling load daN	Leveling load + pre-load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- h mm
2120-KSC	1.42212	5000	10000	41	58	27	115	115	22	+4 -5
2130-KSC	1.42213	7000	14000	46	70	27	140	140	22	+6 -6
2140-KSC	1.42214	8000	16000	53	68	27	170	170	26	+5 -8
2150-KSC	1.42215	10000	20000	62	90	27	180	230	26	+9 -9
2160-KSC	1.42216	20000	40000	62	90	27	205	230	26	+9 -9
407-KSC	1.42407	30000	46000	65	125	32	250	200	28	+11 -10
414-KSC	1.42414	40000	60000	84	143	41	300	250	28	+9 -9
450-KSC	1.42450	50000	80000	84	143	42	300	400	28	+9 -9

Rigid clamp

For bore, milling, long-bed machines and for machines that have to be aligned extremely precisely in all spatial axes.



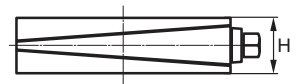
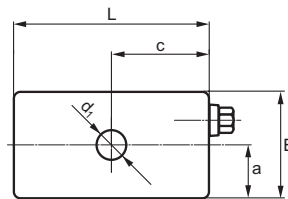
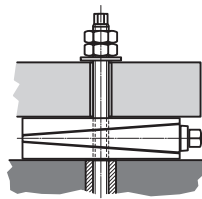
KSC Precision Wedgmount - rigid clamp - centric



Type	Article No.	Leveling load daN	Leveling load + pre-load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- h mm
2006-KSC	1.42106	6000	12000	60	80	58	160	115	21	+6 -6
2012-KSC	1.42112	12000	24000	52	100	60	200	120	21	+6 -6
2024-KSC	1.42124	25000	48000	90	125	80	250	160	27	+8 -7

Rigid clamp - centric

For bore, milling, long-bed machines and for machines that have to be aligned extremely precisely in all spatial axes.



Fixing systems suited to our Wedgmount Precision Levelers can be found on pages 39-40.



Precision Wedgmount **KSKC** - rigid clamp, spherical seat

The best choice when machines do not require vibration isolation and have to be connected to the ground or foundation prestressed. The 20xx series permits bolting on centrally. For machine supports that are not machined or for uneven ground, the spherical seat version guarantees a fixed connection to a slope of up to 3°.

Color: RAL 7016, Anthracite Grey

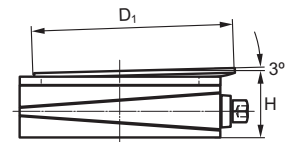
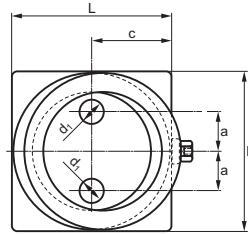
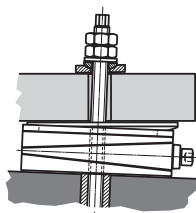
KSKC Precision Wedgmount - spherical seat - rigid clamp



Type	Article No.	Leveling load daN	Leveling load + pre-load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- h mm	D ₁ Ø mm
2120-KSKC	1.47212	5000	10000	53	58	27	115	115	22	+4 -5	113
2130-KSKCV	1.47213.1	7000	14000	62	70	27	140	140	22	+6 -6	140
2140-KSKC	1.47214	8000	16000	69	68	27	170	170	26	+5 -8	140
2150-KSKC	1.47215	10000	20000	78	90	27	180	230	26	+9 -9	140
2160-KSKC	1.47216	20000	40000	78	90	27	205	230	26	+9 -9	140
407-KSKC	1.47407	30000	50000	81	125	32	250	200	28	+11 -10	140
414-KSKC	1.47414	40000	60000	119	143	41	300	250	28	+9 -9	190
450-KSKC	1.47450	50000	80000	119	143	42	300	400	28	+9 -9	190

Rigid clamp with spherial seat

For bore, milling, long-bed machines and for machines that have to be aligned with high precision in all spatial axes.



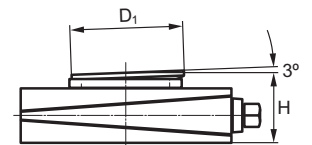
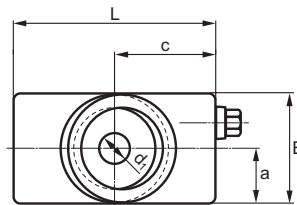
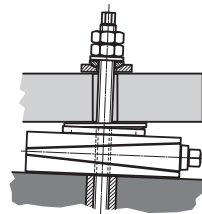
KSKC Precision Wedgmount - spherical seat - rigid clamp - centric



Type	Article No.	Leveling load daN	Leveling load + pre-load daN	H mm	c mm	a mm	L mm	B mm	Bore d1	+/- h mm	D ₁ Ø mm
2006-KSKCV	1.47106.1	6000	12000	76	80	58	160	115	21	+6 -6	113
2012-KSKCV	1.47112.1	12000	24000	68	100	60	200	120	21	+6 -6	113
2024-KSKC	1.47124	25000	48000	106	125	80	250	160	27	+8 -7	140

Rigid clamp with spherial seat - centric

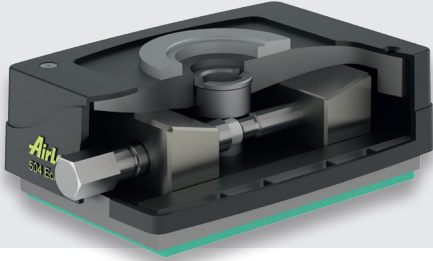
For bore, milling, long-bed machines and for machines that have to be aligned with high precision in all spatial axes.



Fixing systems suited to our Wedgmount Precision Levelers can be found on pages 39-40.

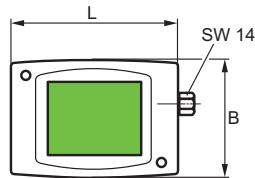
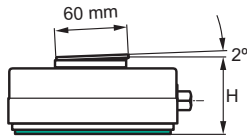
The economic anti-vibration mounts of the EcoFixx series are characterized by its compact and rugged design.

Color: RAL 9005, Black

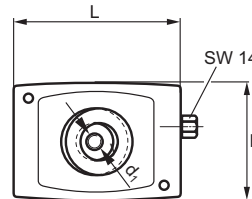


- Maximum design freedom – Compact size to fit in limited space
- Freestanding, Bolt-on and socket mounted versions
- Protected against contamination of moving parts
- Fast precise leveling for easy installation
- Low leveling torque for easy adjustment
- Rugged spherical seat for bolt-on version on uneven floors
- Provides excellent vibration isolation utilizing proven AirLoc pads

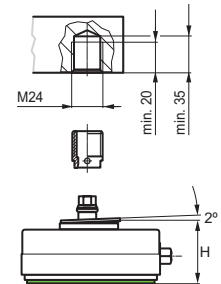
free-standing



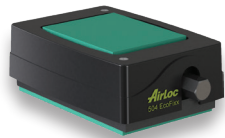
bolt-on, bolt-through



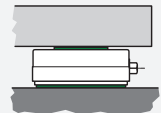
socket



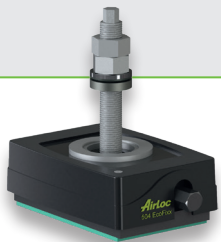
EcoFixx free standing



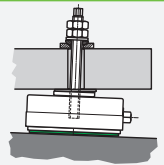
Type	Article No.	Load daN	H mm	L mm	B mm	d ₁ mm	Leveling range mm	Torque Nm
504-VRC /NG	1.30504.62	1750	63					5
504-VRC /NE	1.30504.60	4000	51	136	97		+/- 3.5	15
504-VRC /NK	1.30504.65	4000	63					15



EcoFixx bolt-on



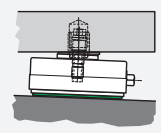
Type	Article No.	Load daN	H mm	L mm	B mm	d ₁ mm	Leveling range mm	Torque Nm
504.1-VRKC /716	1.36504.56	1750	64					5
504.1-VRKC /902	1.36504.59	4000	51	136	97	M12 M16	+/- 3.5	15
504.1-VRKC /915	1.36504.65	4000	64					15



EcoFixx socket mounted



Type	Article No.	Load daN	H mm	L mm	B mm	d ₁ mm	Leveling range mm	Torque Nm
504.6-VRKCS /715	1.53504-6.57	1750	67					5
504.6-VRKCS /902	1.53504-6.59	4000	54	136	97	M24	+/- 3.5	15
504.6-VRKCS /915	1.53504-6.65	4000	67					15



PRG Jacmount Adjustable Levelers are designed to make it easy, economical and reliable to set up your machine or system. The patented connection between leveler and leveling screw is permanent, has a high load capacity, and can automatically compensate ground unevenness of up to 4°. The anchor-free setup and the simple leveling with great leveling range guarantee maximum flexibility of your machinery.

Color: RAL 7001, Silver-Grey

AirLoc 405



Best suited for light machines and systems where high isolation from/to the ground is required.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRG 85 /405	1.16085.43	450	44	45	52	-	-	85	G1
PRG 125 /405	1.16125.43	1000	-	-	52	63	74	125	G2
PRG 170 /405	1.16170.43	2000	-	-	53	64	75	170	G2
PRG 230 /405	1.16230.43	3500	-	-	53	64	75	230	G2

AirLoc 705



High level of damping. Very good stability due to high ground adhesion.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRG 85 /705	1.16085.58	900	44	45	52	-	-	85	G1
PRG 125 /705	1.16125.58	2000	-	-	52	63	74	125	G2
PRG 170 /705	1.16170.58	4000	-	-	53	64	75	170	G2
PRG 230 /705	1.16230.58	6000	-	-	53	64	75	230	G2

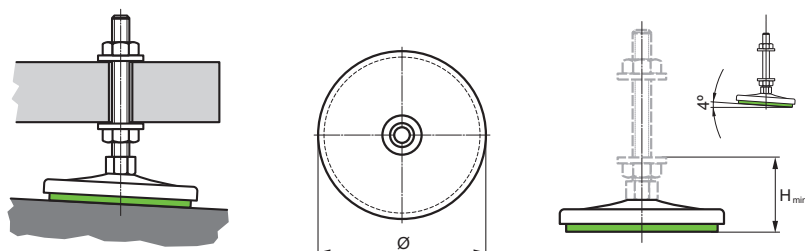
AirLoc 905



For applications with high static load. Excellent leveling stability and high overall stability.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRG 85 /905	1.16085.73	1400	44	45	52	-	-	85	G1
PRG 125 /905	1.16125.73	3000	-	-	52	63	74	125	G2
PRG 170 /905	1.16170.73	4500	-	-	53	64	75	170	G2
PRG 230 /905	1.16230.73	6000	-	-	53	64	75	230	G2

Additional isolation pad configurations available.



You will find the matching leveling screws on page 38.

PRP levelers are excellently suited for quick and precise machine setups. The selected AirLoc types cover a broad range of machine setups. The special construction of the pressure plate makes it possible to compensate ground unevenness of up to 4° while ensuring outstanding horizontal stability.

Color: RAL 1018, Zinc Yellow

AirLoc 425



For stamping and nibbling machines and compressors.
Best isolation effect, high stability and good damping.

Type	Article No.	Load daN	H mm	Thread d ₁	D mm	Adjusting range mm
PRP 90 /425	1.15091.48	400	50	M12 x 1.5	101	+20
PRP 120 /425	1.15120.48	600	50	M16 x 1.5	123	+25
PRP 160 /425	1.15160.48	1200	52	M20 x 1.5	168	+25
PRP 200 /425	1.15200.48	1750	54	M24 x 2.0	205	+25
PRP 250-HD /425	1.15253.48	3000	60	M27 x 2.0	260	+25
PRP 300-HD /425	1.15302.48	4500	73	M30 x 2.0	305	+25

AirLoc 725



For presses, stamping and injection moulding machines, machines with high dynamic vertical force.
Fast and effective movement damping.

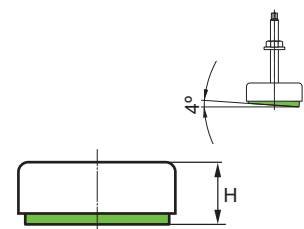
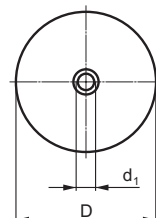
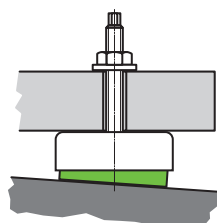
Type	Article No.	Load daN	H mm	Thread d ₁	D mm	Adjusting range mm
PRP 90 /725	1.15091.68	1000	50	M12 x 1.5	101	+20
PRP 120 /725	1.15120.68	1500	50	M16 x 1.5	123	+25
PRP 160 /725	1.15160.68	3000	52	M20 x 1.5	168	+25
PRP 200 /725	1.15200.68	4000	54	M24 x 2.0	205	+25
PRP 250-HD /725	1.15253.68	8000	60	M27 x 2.0	260	+25
PRP 300-HD /725	1.15302.68	10000	73	M30 x 2.0	305	+25

AirLoc 925



For injection moulding machines, machines with high dynamic vertical force.
Extremely high degree of horizontal stability.

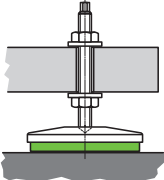
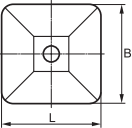
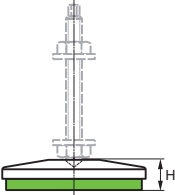




Type	Article No.	Load daN	H mm	Thread d ₁	D mm	Adjusting range mm
PRP 90 /925	1.15091.64	1500	50	M12 x 1.5	101	+20
PRP 120 /925	1.15120.64	2000	50	M16 x 1.5	123	+25
PRP 160 /925	1.15160.64	3500	52	M20 x 1.5	168	+25
PRP 200 /925	1.15200.64	4000	54	M24 x 2.0	205	+25
PRP 250-HD /925	1.15253.64	8000	60	M27 x 2.0	260	+25
PRP 300-HD /925	1.15302.64	10000	73	M30 x 2.0	305	+25

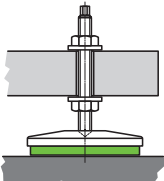




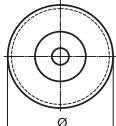
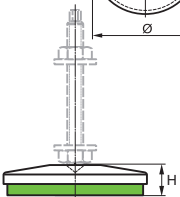


You will find the matching leveling screws on page 38.

The economical, tried and proven AirLoc GLV and GLR Jacmount Adjustable Levelers are installed when dependable vibration and impact sound isolation is required for machines that have suitable fastening holes in the machine foot. The mounting sink for the leveling screw is shaped so that ground unevenness is leveled.

Color: RAL 7001, Silver-Grey

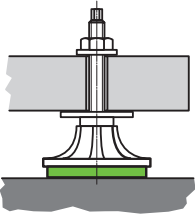
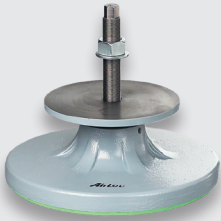
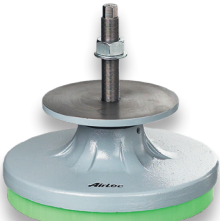
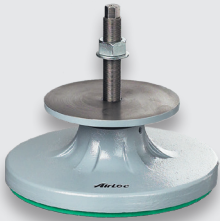
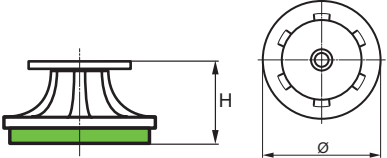
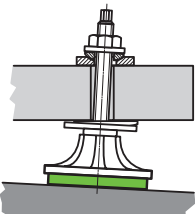



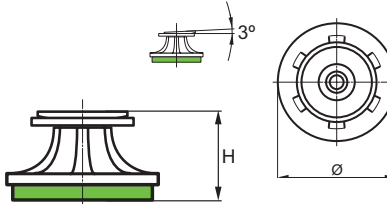
Pad type Index		BiLoc B1	AirLoc 711	AirLoc 716	AirLoc 915	Diagram					
		For laboratory instruments, passive placement of sensitive devices and machine placement in tiers. Best vibration isolation despite low installation height.	For transport lines and special machines. Excellent constant leveling stability and overall stability. Very low installation height.	For tool, plastic and textile machines, graphic and general production machines. Superior isolation and damping properties. Excellent non-skid properties.	For machines with high static load. Excellent leveling stability and high overall stability even with great disturbance forces.						
		..____.50	..____.92	..____.56	..____.65						
											
Type	Article No.	Load daN	H mm	Load daN	H mm	Load daN	H mm	Load daN	H mm	L mm	B mm
GLV 50	1.10050._	90	20	200	17	200	22	200	22	50	50
GLV 75	1.10075._	250	23	800	20	800	25	800	25	81	81
GLV 100	1.10100._	500	25	1500	22	1500	27	1500	27	108	108
GLV 110	1.10110._	600	25	1750	22	1750	27	1750	27	125	125
GLV 115	1.10115._	500	27	2000	24	2000	29	2500	29	148	91
GLV 140	1.10140._	800	29	3000	26	3000	31	3500	31	137	137
GLV 150	1.10150._	1000	27	3000	24	3000	29	3500	29	145	145
GLV 165	1.10165._	1000	30	4000	27	4000	32	4000	32	199	123
GLV 175	1.10175._	1750	31	4500	28	4500	33	4500	33	243	163

					Diagram					
										
Type	Article No.	Load daN	H mm	Load daN	H mm	Load daN	H mm	Load daN	H mm	Ø mm
GLR 50	1.11050._	70	20	175	17	175	22	175	22	50
GLR 75	1.11075._	225	22	800	19	800	24	800	24	84
GLR 110	1.11110._	450	25	1750	22	1750	27	1750	27	123

You will find the matching studs on page 39.
 Additional isolation pad configurations available.

PRS Jacmount Adjustable Levelers are a new development from AirLoc, especially for machines with high dynamic horizontal force. The robustly designed base plate is permanently connected to a pressure plate by means of precision guide. This design principle enables the greatest possible horizontal rigidity over the entire leveling range. PRSK Jacmount Adjustable Levelers with spherical seat top parts are ideal for compensating ground unevenness of up to 3°.

Color: RAL 7001, Silver-Grey

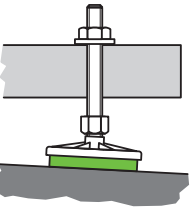



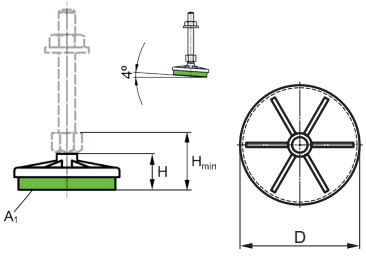
		AirLoc 705		AirLoc 725		AirLoc 910				
		For secure non-skid machine fixation without vibration isolation. Extremely high degree of horizontal stability.		For presses, stamping and injection moulding machines, machines with high dynamic vertical force. Fast and effective movement damping.		For injection moulding machines, machines with high dynamic horizontal force.				
Pad type Index		...58		...68		...75				
										
Type	Article No.	Load max. daN	H mm	Load max. daN	H mm	Load max. daN	H mm	Thread	Ø mm	Adjusting range mm
PRS 130-16	1.17130-16_	2250	55	2250	75	3000	60	M16 x 1.5	129	+20
PRS 130-20	1.17130-20_	2250	55	2250	75	3000	60	M20 x 1.5	129	+20
PRS 180-20	1.17180-20_	3500	65	3500	85	5000	70	M20 x 1.5	175	+25
PRS 180-24	1.17180-24_	3500	65	3500	85	5000	70	M24 x 2	175	+25
PRS 240-20	1.17240-20_	6000	75	6000	95	7000	80	M20 x 1.5	239	+30
PRS 240-24	1.17240-24_	6000	75	6000	95	7000	80	M24 x 2	239	+30
								Other thread sizes available upon request.		
Type	Article No.	Load max. daN	H mm	Load max. daN	H mm	Load max. daN	H mm	Thread	Ø mm	Adjusting range mm
PRSK 130-16	1.17131-16_	2250	63	2250	83	3000	68	M16 x 1.5	129	+20
PRSK 130-20	1.17131-20_	2250	63	2250	83	3000	68	M20 x 1.5	129	+20
PRSK 240-20	1.17241-20_	6000	89	6000	109	7000	94	M20 x 1.5	239	+30
PRSK 240-24	1.17241-24_	6000	89	6000	109	7000	94	M24 x 2	239	+30
								Other thread sizes available upon request.		
										

You will find the matching studs on page 38.

Additional isolation pad configurations available.

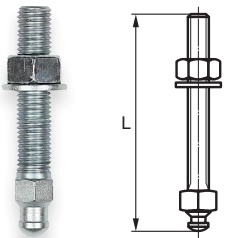
The PR series of AirLoc Jacmount Adjustable Levelers are made of reinforced thermoplastic. They are excellently suited to light machinery and applications requiring a high level of cost-efficiency. The studs of the PR levelers are quickly mounted and permanently anchored in the leveler, yet so flexible that ground unevenness up to 4° can be compensated.

Color: RAL 9005, Black

Pad type Index		BiLoc B1	AirLoc 710	AirLoc 910				
		For light-weight systems and laboratory instruments which require a very high level of effective isolation.	For light-weight machines which demand excellent damping properties.	For light-weight machines and systems requiring superior leveling stability and very good overall stability.				
	509175				
								
Type	Article No.	Load max. daN	H min. mm	Load max. daN	H min. mm	Load max. daN	H min. mm	D mm
PR 50	1.13050-9005_	100	33	100	30	100	30	57
PR 75-2	1.13076-9005_	225	40	500	37	500	37	82

Additional isolation pad configurations available.

PR Special studs type U for PR Jacmount Adjustable Levelers



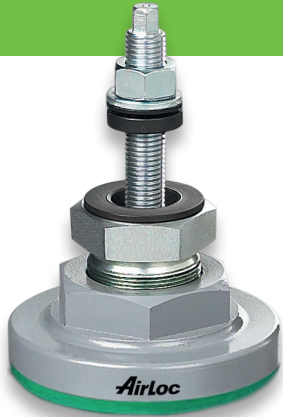
Thread	Special Stud U-1 for PR 50		Special Stud U-2 for PR 75-2	
	L 100 mm	L 150mm	L 100 mm	L 150mm
M10	9.04102	9.04104	9.04102.02	9.04104.02
M12	9.04122	9.04124	9.04122.02	9.04124.02
M16	-	-	9.04162	9.04164



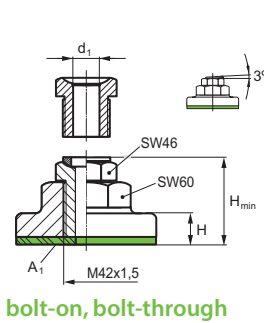
Jacmount Adjustable Levelers GLRN

The interchangeable levelling sockets allows an economic and flexible installation of the AirLoc GLRN Jacmount Adjustable Levelers. The levelers have wide levelling range. Depending on the levelling socket in use, the connection to the machine can be bolted, inserted, anchored or custom designed as required.

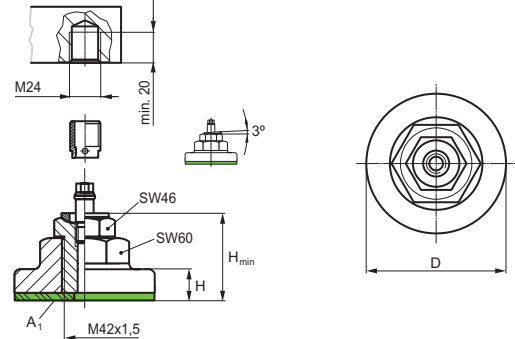
Surface treatment: Blue zinc-plated



Picture similar

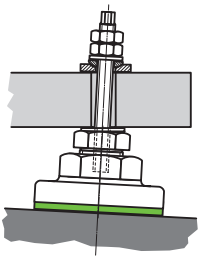


bolt-on, bolt-through



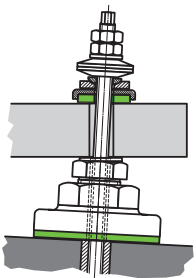
socket mounted

GLRN 101 / 104 / 105 - bolt-on



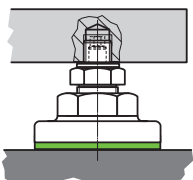
Type	Article No.	Load max. daN	H _{min}	D mm	Leveling docket d ₁
GLRN 101-M42x1.5 /705	1.14101-M42-0100.58	1500	52	100	M20
GLRN 101-M42x1.5 /902	1.14101-M42-0100.59	3000	49	100	M20
GLRN 101-M42x1.5 /910	1.14101-M42-0100.75	3000	57	100	M20
GLRN 104-M42x1.5 /705	1.14104-M42-0100.58	1500	52	100	M24
GLRN 104-M42x1.5 /902	1.14104-M42-0100.59	3000	49	100	M24
GLRN 104-M42x1.5 /910	1.14104-M42-0100.75	3000	57	100	M24
GLRN 105-M42x1.5 /705	1.14105-M42-0100.58	1500	52	100	M16
GLRN 105-M42x1.5 /902	1.14105-M42-0100.59	3000	49	100	M16
GLRN 105-M42x1.5 /910	1.14105-M42-0100.75	3000	57	100	M16

GLRN 102 - bolt-through



Type	Article No.	Load max. daN	H _{min}	D mm	Inner diameter mm d ₁
GLRN 102-M42x1.5 /705	1.14102-M42-0100.58	1500	52	100	20.5
GLRN 102-M42x1.5 /902	1.14102-M42-0100.59	3000	49	100	20.5
GLRN 102-M42x1.5 /910	1.14102-M42-0100.75	3000	57	100	20.5

GLRN 109 - socket mounted



Type	Article No.	Load max. daN	H _{min}	D mm
GLRN 109-M42x1.5 /705	1.14109-M42-0100.58	1500	56	100
GLRN 109-M42x1.5 /902	1.14109-M42-0100.59	3000	53	100
GLRN 109-M42x1.5 /910	1.14109-M42-0100.75	3000	61	100

You will find the matching leveling screws on page 39.

The stainless steel AirLoc PRGI Jacmount Adjustable Levelers are permanently attached to the leveling screw by means of a patented lock and yet are flexible enough that ground unevenness up to 4° can be compensated. Ideally suited to the food and chemical industries.

Stainless Steel INOX 1.4301

On request, the stainless steel PRGI type Jacmount Adjustable Levelers can also be delivered in acid-resistant quality, material no. 1.4435. We would be pleased to advise you. You will find the matching special studs and studs on page 39.

BiLoc 410



Passive placement of sensitive devices and machine placement in multi storied buildings. Best vibration isolation despite low installation height.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRGI 50 /410	1.19141.45	175	43	46	54	-	-	51	G1
PRGI 70 /410	1.19142.45	400	-	-	52	63	74	76	G2
PRGI 100 /410	1.19144.45	900	-	-	53	64	75	107	G2
PRGI 120 /410	1.19146.45	1300	-	-	53	64	75	132	G2

AirLoc 710



For tool, production, plastic and textile machines. Superior isolation and damping properties. Excellent non-skid properties.

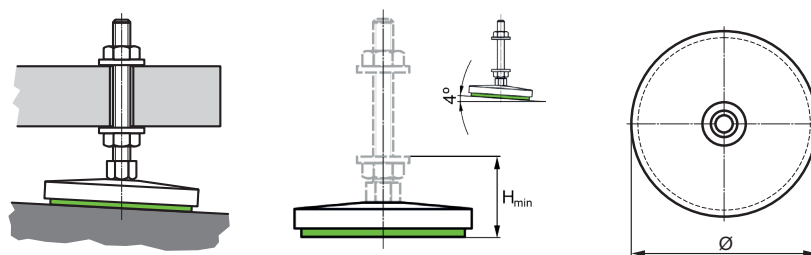
Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRGI 50 /710	1.19141.91	350	43	46	54	-	-	51	G1
PRGI 70 /710	1.19142.91	800	-	-	52	63	74	76	G2
PRGI 100 /710	1.19144.91	1750	-	-	53	64	75	107	G2
PRGI 120 /710	1.19146.91	2500	-	-	53	64	75	132	G2

AirLoc 910



For transport lines and special machines. Excellent constant leveling stability and overall stability.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
PRGI 50 /910	1.19141.75	400	43	46	54	-	-	51	G1
PRGI 70 /910	1.19142.75	1000	-	-	52	63	74	76	G2
PRGI 100 /910	1.19144.75	2000	-	-	53	64	75	107	G2
PRGI 120 /910	1.19146.75	3000	-	-	53	64	75	132	G2



You will find the matching studs on page 39.

The economical, stainless steel AirLoc GLRI Jacmount Adjustable Levelers are deployed when dependable vibration and impact sound isolation is required for machines that have suitable fastening holes in the machine foot. The mounting sink is shaped so that ground unevenness is compensated.

Stainless Steel INOX 1.4301

On request, the stainless steel GLRI type Jacmount Adjustable Levelers can also be delivered in acid-resistant quality, material no. 1.4435. We would be pleased to advise you. You will find the matching special studs and studs on page 39.

BiLoc 410



Passive placement of sensitive devices and machine placement in multi storied buildings. Best vibration isolation despite low installation height.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
GLRI 50 /410	1.19111.45	200	27	30	33	-	-	51	S
GLRI 70 /410	1.19112.45	450	-	30	33	36	-	76	S
GLRI 100 /410	1.19114.45	900	-	-	35	38	42	107	S
GLRI 120 /410	1.19116.45	1300	-	-	37	40	44	132	S

AirLoc 710



For tool, production, plastic and textile machines. Superior isolation and damping properties. Excellent non-skid properties.

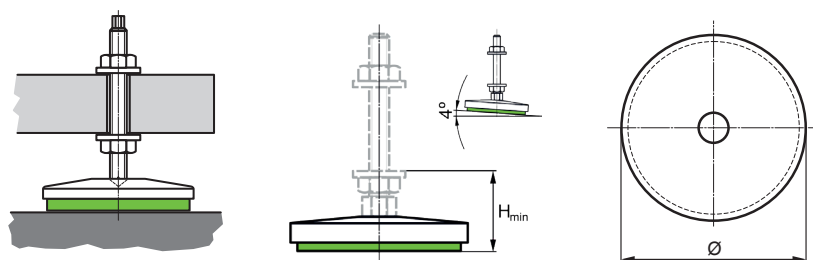
Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
GLRI 50 /710	1.19111.91	400	27	30	33	-	-	51	S
GLRI 70 /710	1.19112.91	900	-	30	33	36	-	76	S
GLRI 100 /710	1.19114.91	1750	-	-	35	38	42	107	S
GLRI 120 /710	1.19116.91	2750	-	-	37	40	44	132	S

AirLoc 910



For transfer lines and special machines. Excellent constant leveling stability and overall stability.

Type	Article No.	Load daN	H min. mm					Ø mm	Leveling Screw
			M10	M12	M16	M20	M24		
GLRI 50 /910	1.19111.75	400	27	30	33	-	-	51	S
GLRI 70 /910	1.19112.75	1000	-	30	33	36	-	76	S
GLRI 100 /910	1.19114.75	2000	-	-	35	38	42	107	S
GLRI 120 /910	1.19116.75	3000	-	-	37	40	44	132	S

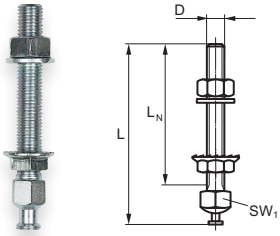


You will find the matching studs on page 39.

AirLoc fixing systems are adjusted to your AirLoc Wedgmount Precision Levelers or your AirLoc Jacmount Adjustable Levelers. High-quality raw material from the best suppliers guarantee easy and secure mounting, reliable functioning, and long-life even under demanding conditions.

Our application engineers will be glad to recommend you the best solution.

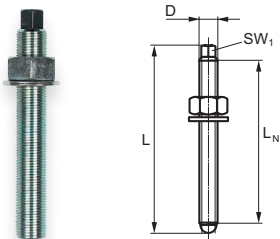
PRG Special studs G1 and G2 for PRG Jacmount Adjustable Levelers



Thread (D)	Article No. G1	Article No. G2	L_N mm	L mm	SW_1 mm
M10	9.55102	-	100	127.5	13
M12	9.55122	-	100	127.5	13
M16	9.551621	-	100	132	17
M16	-	9.551622	100	134	19
M20	-	9.55202	100	137	22
M24	-	9.55242	100	144	24

Blue zinc-plated. Including 1 self-locking collar + 1 nut + 1 washer for M10, M12, M16 or 2 nuts + 2 washers for M20, M24.

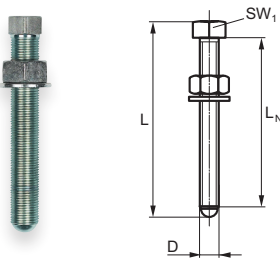
PRP / PRS / PRSK Leveling screws with small hex head R1



Thread (D)	Article No. L 125 mm	Usable length L_N	Article No. L 175 mm	Usable length L_N	SW_1 mm
M12 x 1.5	9.05123	113	-	-	8
M16 x 1.5	9.05163	111	9.05165	161	10
M20 x 1.5	9.05203	108	9.05205	158	13
M24 x 2.0	9.05243	104	9.05245	154	17
M27 x 2.0	9.05273	104	9.05275	154	19
M30 x 2.0	9.05303	96	9.05305	146	24

Blue zinc-plated. Delivery includes 1 nut + 1 washer.

PRP / PRS / PRSK Leveling screws with large hex head R2



Thread (D)	Article No. L 125 mm	Usable length L_N	Article No. L 175 mm	Usable length L_N	SW_1 mm
M12 x 1.5	9.06123	109	-	-	13
M16 x 1.5	9.06163	107	9.06165	157	17
M20 x 1.5	9.06203	104	9.06205	154	24
M24 x 2.0	9.06243	99	9.06245	149	27
M27 x 2.0	9.06273	97	9.06275	147	27
M30 x 2.0	9.06303	91	9.06305	141	36

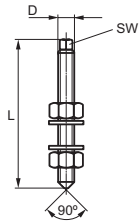
Blue zinc-plated. Delivery includes 1 nut + 1 washer.



AirLoc fixing systems are adjusted to your AirLoc Wedgmount Precision Levelers or your AirLoc Jacmount Adjustable Levelers. High-quality raw material from the best suppliers guarantee easy and secure mounting, reliability and long-life even under demanding conditions.

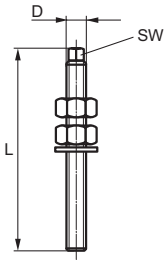
Our application engineers will be glad to recommend you the best solution.

Stud Type S for GLV, GLR, and GLRN Jacmount Adjustable Levelers and for TA/SL heavy duty dowels



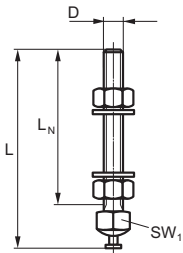
Thread D	Article No. L 100 mm	Article No. L 125 mm	Article No. L 150 mm	Article No. L 200 mm	Article No. L 250 mm	Article No. L 300mm	SW mm
M10	9.00102	-	-	-	-	-	7
M12	9.00122	9.00123	9.00124	-	-	-	8
M16	9.00162	9.00163	9.00164	9.00166	-	-	10
M20	9.00202	9.00203	9.00204	9.00206	-	-	13
M24	-	-	9.00244	9.00246	9.00247	9.00248	17

Stud Type P for bolt-on Wedgmount Precision Levelers



Thread D	Article No. L 125 mm	Article No. L 150 mm	Article No. L 200 mm	SW mm
M12	9.01123	9.01124	9.01126	8
M16	9.01163	9.01164	9.01166	10
M20	9.01203	9.01204	9.01206	13
M24	-	-	9.01246	17

PRGI INOX special studs G1 and G2 for PRGI

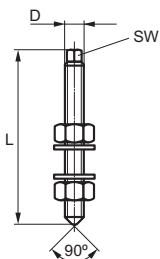


Thread D	Article No. G1	Article No. G2	L _N mm	L mm	SW mm
M10	9.56102	-	100	127.50	13
M12	9.56122	-	100	127.50	13
M16	9.561621	-	100	132	17
M16	-	9.561622	100	134	19
M20	-	9.56202	100	137	22
M24	-	9.56242	100	144	24

INOX 1.4305. Delivery with 2 nuts + 2 washers

Upon request, also available in acid-resistant quality, material no. 1.4435. We would be pleased to advise you.

GLRI INOX stud type S for GLRI



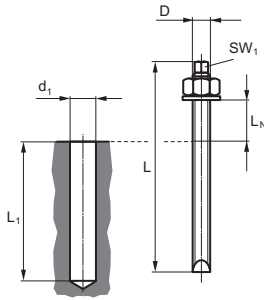
Thread D	Article No.	L mm	SW mm	Thread D	Article No.	L mm	SW mm
M10	9.09102	100	7	M16	9.09164	150	10
M12	9.09122	100	8	M20	9.09202	100	13
M16	9.09162	100	10	M24	9.09244	150	17

INOX 1.4305. Delivery with 2 nuts + 2 washers

Upon request, also available in acid-resistant quality, material no. 1.4435. We would be pleased to advise you.

AirLoc fixing systems are adjusted to your AirLoc Wedgmount Precision Levelers or your AirLoc Jacmount Adjustable Levelers. High-quality raw material from the best suppliers guarantee easy and secure mounting, reliable and durable even under demanding conditions.

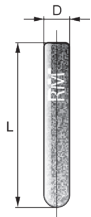
RGM Stud RGM



Type	Article No.	L mm	Thread	L ₁ mm	d ₁ mm	SW ₁
RGM12	9.43125	160	M12	110	14	8
RGM12	9.43126	220	M12	110	14	8
RGM12	9.43127	250	M12	110	14	8
RGM16	9.43165	165	M16	125	18	12
RGM16	9.43166	190	M16	125	18	12
RGM16	9.43168	300	M16	125	18	12
RGM20	9.43207	260	M20	170	25	12
RGM20	9.43209	350	M20	170	25	12
RGM24	9.43248	300	M24	210	28	without hexagon

For particularly tensile floor anchoring of GLRN levelling elements, bolt-through AirLoc Precision Wedgmounts and horizontal supports in combination with RM resin anchors.

RM II Resin Anchor RM II



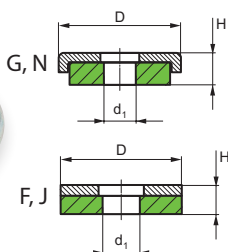
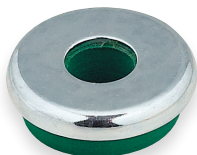
Type	Article No.	L mm	D mm	For Thread
RM II 12	9.42012.1	97	12.5	M12
RM II 16	9.42016.1	95	16.5	M16
RM II 16E	9.42016E.1	123	16.5	M12/M16
RM II 20	9.42020.1	160	23	M20
RM II 24	9.42024.1	190	23	M24

Heavy-duty Dowel TA/SL



Type	Article No.	L mm	D mm	For Thread
SL16	9.41016	90	24	M16
SL20	9.41020	110	30	M20
SL24	9.41024	125	35	M24
TA12	9.41112	86	18	M12

Isolating Washers

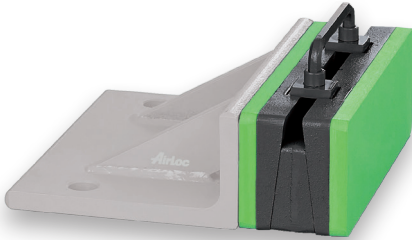


Type	Article No.	For Thread	D mm	d ₁ mm	H mm	Pad
F905	9.20040.73	M10 - M12	40	13	8	AirLoc 905
N915	9.20060.65	M16 - M20	60	21	18	AirLoc 915
G915	9.20070.65	M20 - M24	70	25	18	AirLoc 915
J915	9.20110.65	M27 - M36	110	38	23	AirLoc 915

AirLoc horizontal supports are an important part of a complete AirLoc machine setup system. Today's machines have light and compact constructions on the one hand; on the other they have fast cycle times and therefore high dynamic forces. AirLoc horizontal supports help you keep machine movements under control.

Color: RAL 7016, Anthracite Grey

NN-Pads

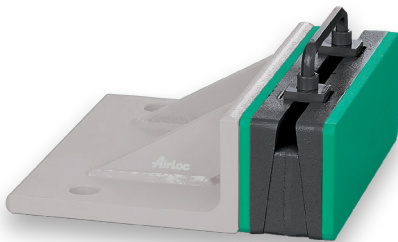


The Stabiliser

High damping capability and thus fast neutralisation of machine movements.
Pad type: NN (AirLoc 725 on both sides)

Type	Article No.	Load daN	H mm	L mm	B mm	+/- B mm
VC/NN	1.94200.68	6000	100	300	110	+9.5 0

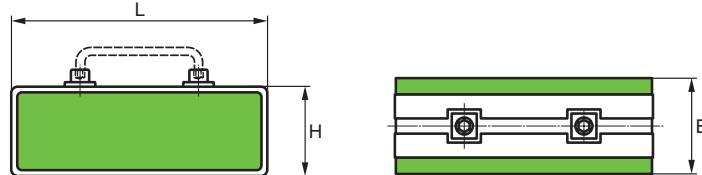
NL-Pads



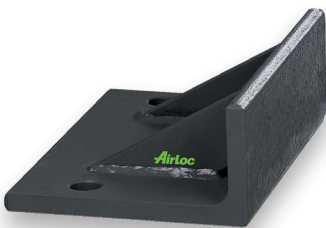
The Strong

For machines with extremely high horizontal forces. Outstanding stability for lowest possible machine movements. Pad type: NL (AirLoc 915 on both sides)

Type	Article No.	Load daN	H mm	L mm	B mm	+/- B mm
VC/NL	1.94200.66	10000	100	300	90	+9.5 0



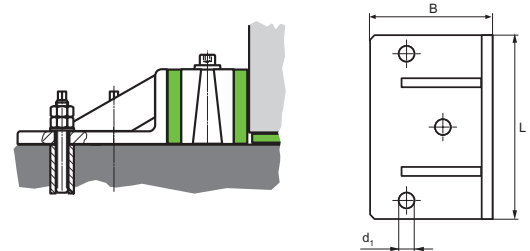
Bracket support L2 for Wedgmount Precision Leveler VC



Type	Article No.	Load daN	H mm	L mm	B mm	d ₁ mm
L2	1.941321	10000	100	300	200	25

Consisting of:

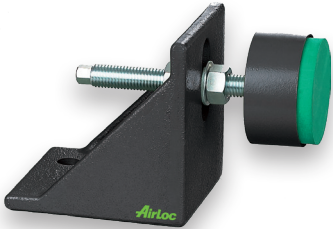
- 1 bracket support L2
- 3 chemical dowels RM II 24
- 3 studs RGM24 x 300
- 6 nuts M24
- 3 washers



AirLoc HZA horizontal supports are an important part of a complete AirLoc machine setup system. The delivery provides you with all required components including complete fixing materials. The threaded spindle with lock nut ensures precision adjustment of your machine geometry. The solid bracket supports guarantee a minimum of machine movement over the long-term even under maximum load.

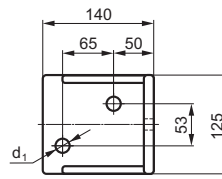
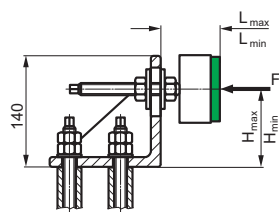
Color: RAL 7016, Anthracite Grey

Horizontal support HZA-W

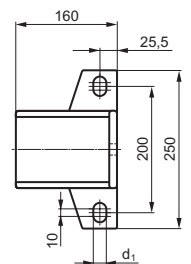
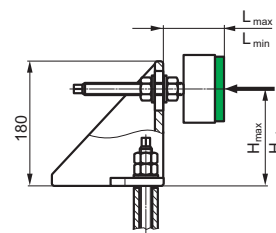


Type	Article No.	Load max. daN	H min. mm	H max. mm	Support element	d ₁ mm
HZA-W2	1.94102.65	2500	75	115	B 80-2/915	18
HZA-W4	1.94104.65	4000	100	150	B 80-2/915	21

HZA-W2



HZA-W4



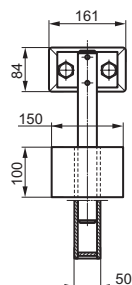
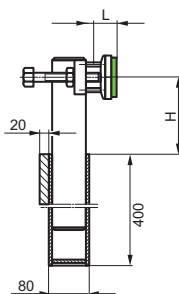
Consisting of:

- 1 bracket support W2 or W4
- 1 element B 80-2 /915
- 1 Kukobo O-2 M16 x 150 + 2 nuts + 2 washers
- 2 chemical dowels RM16
- 2 studs RGM16 x 190 + 4 nuts + 2 washers

Horizontal support HZA series H (pour-in)



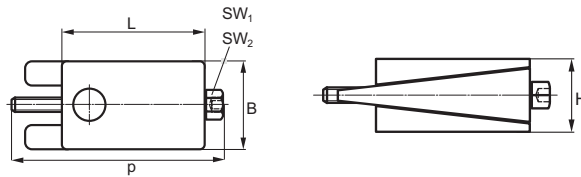
Type	Article No.	Load max. daN	H mm	L mm	Support element	Pour-in depth mm
HZA-H5	1.94054.65	4000	50-200	40 - 70	GLV 115 /915	400
HZA-H7	1.94075.65	6000	65-200	40 - 80	GLV 165 /915	400



Mounting Wedgmount MSC



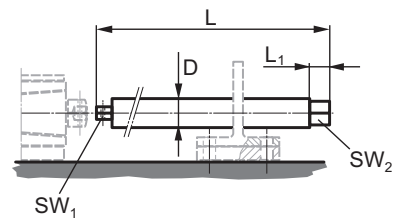
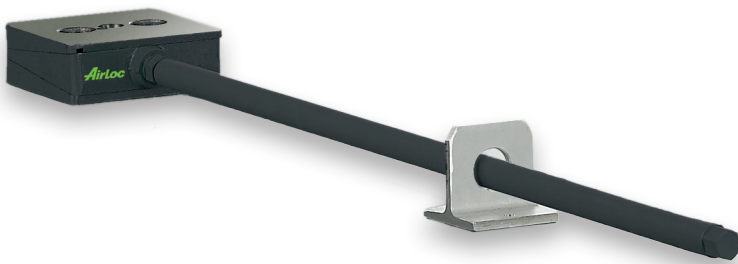
Type	Article No.	Load max. daN	H mm	SW ₁ mm	SW ₂ mm	L mm	B mm	+/- H mm
10-MSC	1.90010/1	10000	62	12	22	130	80	+10 -10
20-MSC	1.90020	20000	83	17	30	150	110	+14 +-15



The mounting Wedgmounts are for taking heavy machines or machine groups from a crane or other handling equipment. The mounting Wedgmounts have a large leveling range.

The equipment can be easily aligned on the machined surface of the mounting shoes in the X and Y axes and then lowered onto the intended AirLoc Wedgmount Precision Levelers and leveled in the Z axis. This is followed by the precision leveling of the machine. Now the machine is ready for use, is fixed in place and cannot be displaced, thanks to AirLoc's non-skid pads or isolation pads with their high coefficients of friction.

Leveling screw extension for hexagon socket



Type	Article No. L 500 mm	Article No. L 750 mm	Article No. L 1000 mm	Article No. L 1250 mm	Article No. L 1500 mm	Article No. L 1750 mm	Article No. L 2000 mm	D mm	SW ₁ mm	SW ₂ mm	L ₁
6	9.90006.0500	9.90006.0750	9.90006.1000	9.90006.1250	9.90006.1500	9.90006.1750	9.90006.2000	15	6	13	13
10	9.90010.0500	9.90010.0750	9.90010.1000	9.90010.1250	9.90010.1500	9.90010.1750	9.90010.2000	20	10	17	14
12	9.90012.0500	9.90012.0750	9.90012.1000	9.90012.1250	9.90012.1500	9.90012.1750	9.90012.2000	20	12	17	14
14	9.90014.0500	9.90014.0750	9.90014.1000	9.90014.1250	9.90014.1500	9.90014.1750	9.90014.2000	20	14	17	14
17	9.90017.0500	9.90017.0750	9.90017.1000	9.90017.1250	9.90017.1500	9.90017.1750	9.90017.2000	24	17	19	16

The leveling screw extension permits you to level difficult to reach Wedgmount Precision Levelers that are not positioned on the outer periphery but rather far under a machine. The choice is based on the size of the hexagon socket of the concerned leveling Wedgmount.

Appropriate solutions are also available for outer hexagon.

AirLoc is your experienced partner for the development of machine installation solutions. Engineering and manufacturing in Oetwil am See/Switzerland allows us to engineer and manufacture customized solutions in the shortest possible time. Ask us! We have the right answer to your specific requirements.

Some examples of customized solutions:

Chemically nickel-plated + clean room grease

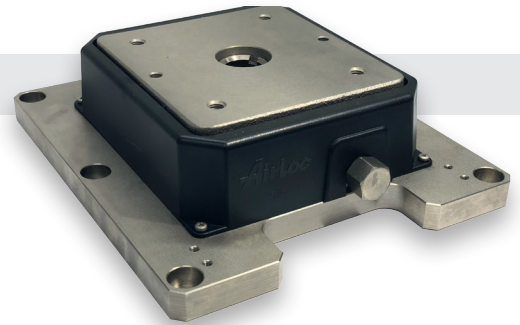
For a customer in the semiconductor industry, we manufacture precision Wedgmounds with chemically nickel-plated surface treatment and special food grease, for clean-room application.



Special design based on an existing Wedgmound

Our 515-QFixx has been modified for a customer-specific application:

- Special base plate according to customer dimensions
- Special upper wedge with mounting holes
- Chemically nickel plated surface



Customized colors

AirLoc products are in addition to our standard colors also available in a variety of colors to match your specific needs.





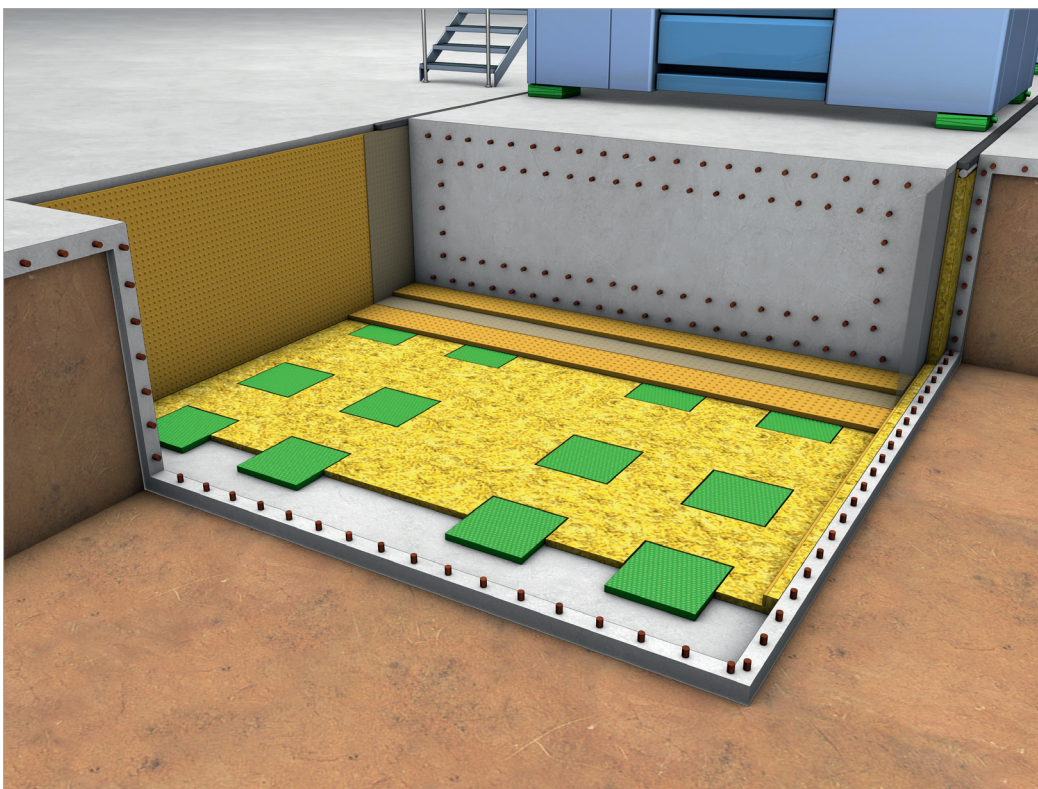
Foundations are for making a machine rigid or for gathering several machine components onto a common load-bearing ground. Only by using vibration isolation and the resulting decoupling from the building ground can the area be reliably protected against disturbing vibrations.

Basic Principles of Foundation Isolation

The machine foundation is placed in a concrete tank for vibration isolation. Between foundation block and tank there is a layer of vibration isolation material. The calculation of this isolation layer requires considerable know-how and many years of experience in the vibration engineering.

Key parameters:

- Total weight of foundation and machine
- Dynamic forces and moments of the machine
- Natural frequencies of the system
- Vibration isolation efficiency



AirLoc Isolation System for Foundation Isolation

The AirLoc foundation isolation has the following characteristic properties:

- Complete isolation of the machine block in vertical and horizontal directions
- Tuning the isolation frequency through project-specific design (number and distribution of the isolation pads) based on the effective load bearing mass, i.e. the customer-specific conditions

In contrast to full surface isolations, the AirLoc isolation pads are adapted in terms of variable dimensions and number to the particular project. The AirLoc foundation isolation is calculated based on the effective load and laid according to the specific area. This permits tuning the full area of the installed foundation isolation to the current conditions.

AirLoc has designed hundreds of foundation isolation systems with leading machine manufacturers worldwide. Ask for our reference list.

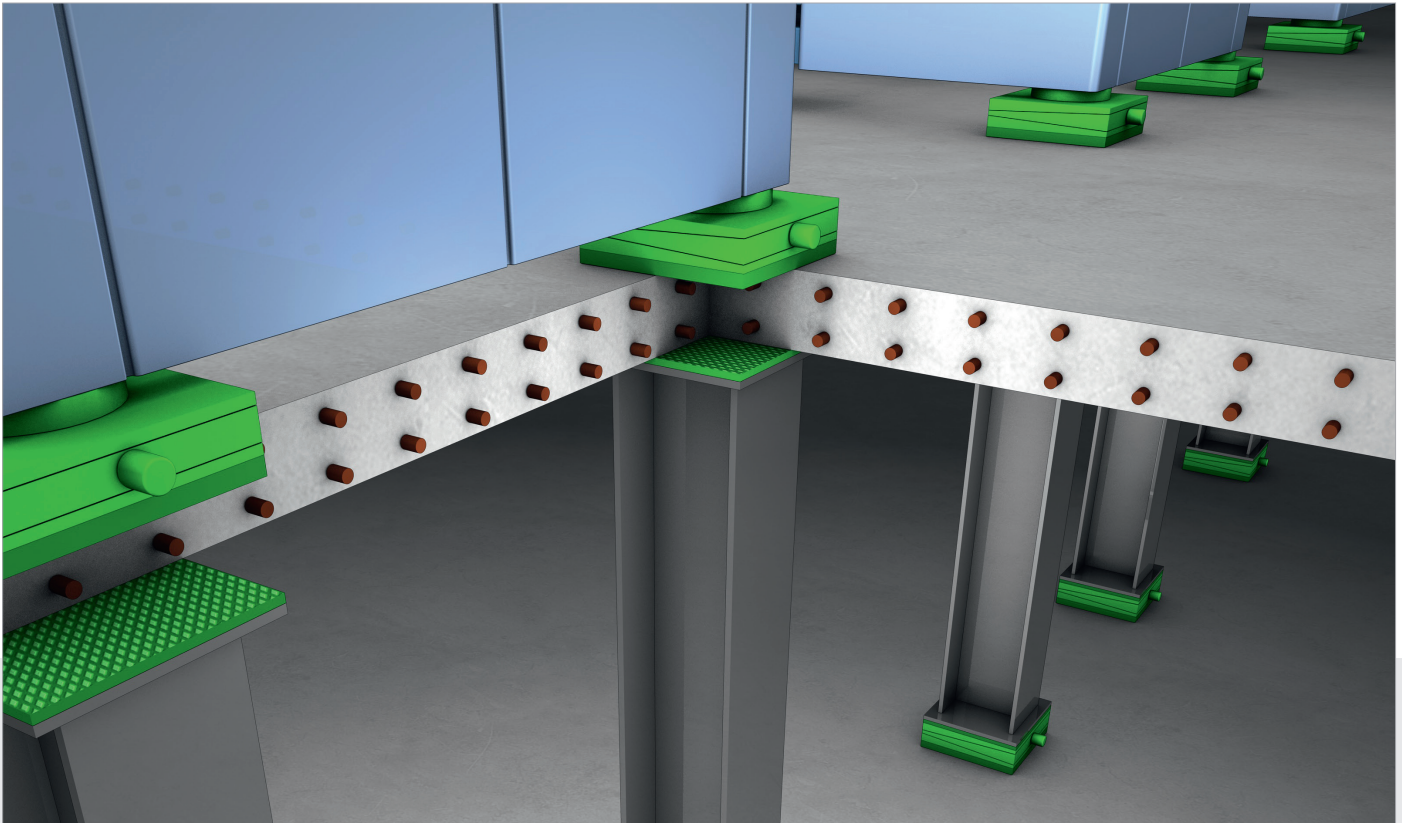
Reduce Ceiling Vibrations

When existing buildings are used for a new purpose, for example when installing new machines, ceilings may quickly reach their permissible load bearing capacity. Another risk is that critical vibrations are caused by the machines as a result of the low natural frequency of the ceilings.

Isolating the machine usually does not provide the desired results. What is required is a higher inherent stiffness of the ceiling achieved through structural changes. The easy-to-install AirLoc ceiling supports are perfectly suited for this. Combined with high-precision wedge mounts they are the ideal solution.

Elastic ceiling supports are installed at points predetermined by means of natural frequency measurements. The supports normally consist of double T-sections fitted with a high-precision wedgmount to at least one end of the section.

The wedgmounts, in turn, are lined with AirLoc isolation pads. This means that the previously determined load capacity can be adjusted at any time via the height-adjustable wedge mounts.



Properties and benefits:

- Easy stiffening and tuning of dangerous natural frequency of ceilings
- Double T-Sections can easily be produced at customer site
- Fixation solely through tension build-up via wedge mount precision levellers, no drilling necessary
- Load bearing capacity of up to 50 metric tons with Wedgmount precision leveler 450-VRC /NS or 450-VRC /NK
- Maintenance-free and adjustable at any time
- Elastic ceiling support with damping effect

AirLoc

stops vibrations

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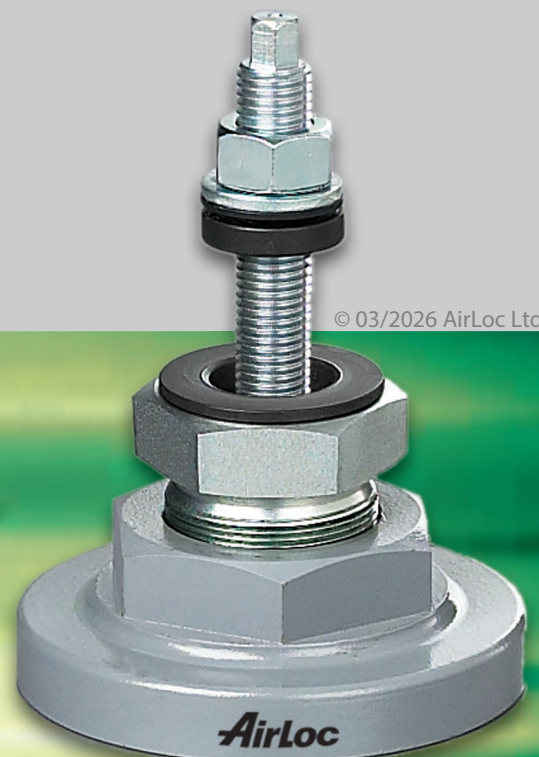
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