

Userguide

Antivibration Pad | No 09/05

Selection of the right set of antivibration pads for your workstation

Introduction

The antivibration pads are specifically designed to protect your microscope and its components from external oscillations and vibrations.

One antivibration pad is positioned under each foot of the microscope. The selection of a proper set of antivibration pads for your workstation depends on the total weight of the complete workstation (including all mounted accessories) and on the distribution of this load onto the three (or four) individual feet.¹

Types of antivibration pads	Weight range (kg)		Weight range (lb)	
	from	to	from	to
Antivibration Pad XS	4.5	6.0	9.9	13.2
Antivibration Pad S	6.0	8.0	13.2	17.6
Antivibration Pad M	8.0	10.0	17.6	22.0
Antivibration Pad L	10.0	12.5	22.0	27.6
Antivibration Pad XL	12.5	16.5	27.6	36.4

Examples for sets of antivibration pads



Figure 1: Workstation with antivibration pads

The following table shows examples of matching sets of antivibration pads for a variety of typical workstations. Mounting additional or heavier components (e.g. video or photo equipment) might exceed the weight load of one or more antivibration pads.

In this case a stronger pad should be used.²

If your specific workstation deviates from the examples given below, we recommend determining the matching set of antivibration pads by weight measurement.

¹ The use of an antivibration pad outside the appropriate weight range results in a significant loss of performance.

² The prophylactic selection of stronger antivibration pads has no benefit.

Sets of antivibration pads for typical workstations

Manufacturer	Type	Equipment	Antivibration Pad			
			Front	Rear Left-hand	Rear Right-hand	
Leica	DM IL HC	1 x InjectMan NI 2 (right-hand side), fluorescent lamp, with phototube	XS	XS	M	
	DM IL HC	1 x InjectMan NI 2 (left-hand side), fluorescent lamp, with phototube	XS	S	S	
	DM IL HC	2 x TransferMan NK 2, without fluorescent lamp	XS	S	S	
	DM IL HC	2 x TransferMan NK 2, with fluorescent lamp	XS	S	M	
	DM IRB	2 x TransferMan NK 2, without fluorescent lamp, camera	L	M	M	
	DM IRB	1 x InjectMan NI 2 (right-hand side), with fluorescent lamp	L	M	M	
	DM IRB 2	2 x TransferMan NK 2, with fluorescent lamp	L	L	L	
	DM IRB 2	2 x TransferMan NK 2, without fluorescent lamp	XL	M	M	
	ASTP	2 x TransferMan NK 2, without fluorescent lamp	L	M	M	
	DMI 6000 B	2 x TransferMan NK 2, without fluorescent lamp	M	L	L	
	AM 6000	2 x TransferMan NK 2, without fluorescent lamp	M	L	L	
	Nikon	Eclipse TS 100	2 x TransferMan NK 2, without fluorescent lamp	XS	XS	XS
		Eclipse TE 2000	2 x TransferMan NK 2, with/without fluorescent lamp	2 x M	M	M
	Olympus	IX 70	2 x TransferMan NK 2, with/without fluorescent lamp	L	L	L
IX 51		2 x TransferMan NK 2, without fluorescent lamp	XL	M	M	
IX 51		1 x InjectMan NI 2 (right-hand side), with fluorescent lamp	L	M	L	
IX 51		1 x InjectMan NI 2 (left-hand side), with fluorescent lamp	L	L	L	
IX 51		1 x InjectMan NI 2 (right-hand or left-hand side), with fluorescent lamp (L-shape), without camera	L	S	XL	
IX 51		1 x InjectMan NI 2 (right-hand side), with fluorescent lamp (L-shape), with Color View camera	L	S	XL	
IX 51		1 x InjectMan NI 2 (right-hand side), with fluorescent lamp (L-shape), with black and white camera (cooled)	XL	M	XL	
IX 71		2 x TransferMan NK 2, without fluorescent lamp	L	S	L	
IX 71		1 x InjectMan NI 2 (right-hand side), with fluorescent lamp	L	S	XL	
IX 71		1 x InjectMan NI 2 (left-hand side), with fluorescent lamp	L	M	L	
Zeiss	IX 71	1 x InjectMan NI 2 (right-hand or left-hand side), with fluorescent lamp (L-shape)	L	XS	XL	
	IX 71	1 x InjectMan NI 2 (right-hand side), with fluorescent lamp (L-shape), with Color View camera	L	S	XL	
	IX 71	1 x InjectMan NI 2 (right-hand side), with fluorescent lamp (L-shape), with black and white camera (cooled)	XL	M	XL	
	Axiocert 40 CFL	1 x InjectMan NI 2 (right-hand side), with fluorescent lamp	S	XS	XS	
	Axiocert 40 CFL	2 x TransferMan NK 2, with fluorescent lamp	S	XS	XS	
	Axiocert 200	2 x TransferMan NK 2, with fluorescent lamp	L	L	L	
	Axiocert 200	2 x TransferMan NK 2, without fluorescent lamp	XL	M	M	
	Axiocert 200	1 x InjectMan NI 2 (right-hand side), with fluorescent lamp	L	M	L	

Determination by weight measurement

If your specific microscope set up is not listed in the examples, it is also possible to determine the appropriate set of antivibration pad yourself.

Utilities:

- digital balance with at least one decimal place and a range from at least 4.5 to 16.5 kg (9.9 - 36.4 US lb)
- three blocks (metal, wood or plastic) with a minimum length of 20 cm, minimum width of 5 cm and exactly the same height as the balance (+/- 1mm)

Please follow these steps carefully:

1. Put the microscope on a sturdy and balanced table.
2. Place the balance under one foot of the microscope and the blocks below the other feet of the microscope; make sure that the weight is uniformly distributed on the balance and the blocks.
3. Measure the weight.
4. Repeat this procedure for each foot of the microscope by exchanging one block with the balance.
5. Determine the appropriate antivibration pads according to their respective weight range.

Ordering Information

For more detailed information about the proper installation of the antivibration pads access our manual at www.eppendorf.com

Article	International order no.	North American order no.
AntivibrationPad XS	5181 301.009	920007945
AntivibrationPad S	5181 303.001	920007953
AntivibrationPad M	5181 305.004	920007961
AntivibrationPad L	5181 307.007	920007970
AntivibrationPad XL	5181 309.000	920007988

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