

with Air-Spring Insulators and Automatic Level Controller

LTH-Insulated Tables Plate: Granite

Product Description

Adjustable feet, torsion proofed, welded steel frame, membrane airspring insulators BiAir® (vertical natural frequency approx. 2 Hz) between frame and plate, mechanical-pneumatic level control (level accuracy of \pm 1/100 mm or \pm 1/10 mm). Plate in granite (LTH)

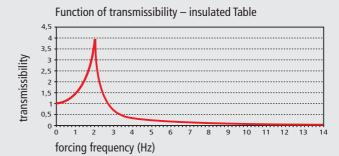
Range of Application

Vibration sensitive measuring and testing machines, laser, scales, optical and electronical as well as medical equipment.

The new insulated table LTH is used for all applications where vibrations or load changes may disturb the experiment or machine.

Technical

BILZ insulated table LTH is a vibration insulated workplace. Vibration of the surrounding area is insulated by high efficient membrane air springs. The level controller (mechanical-pneumatic valves) will maintain a level accuracy of \pm 1/100 mm or \pm 1/10 mm automatically even while the loading may change. An air regulator with water trap and air filter is included. As standard the insulated table is available in 3 different sizes. We are always pleased to fulfill custom made sizes and colours. The work surface of the table can be delivered in granite (LTH).





Standard Sizes

700	width	.50	600 mm	-63	1000 mm	-75	900 mm	-80	1000 mm	00	1000 mm	8	1500 mm	00	2000 mm
size	ueptii	ら 500 mm 100 mm	500 mm	100	630 mm S	90	750 mm	100	800 mm	00-1	1000 mm	50-1	1000 mm	00-1	1000 mm
	thickness hard stone		Ĕ	100 mm	mm 트	100 mm	플	140 mm	Ξ Ξ	160 mm 프	190 mm	.H 2	220 mm		
	height		760 mm		760 mm		760 mm		760 mm	5	760 mm	5	760 mm	5	760 mm
	max. loading capacity		250 kg		320 kg		320 kg		700 kg		750 kg		1800 kg		2800 kg

LTH Insulated Tables





LTO-Optical laboratory tables







Basic set-up of an optical table model LTO

BILZ workstations are characterized by high-end quality and functionality.

Product description:

Adjustable feet. - torsion proofed, welded steel frame.

- Membrane air-spring insulators BiAir® between frame and plate. Other insulators on demand
- mechanical-pneumatic positioner/controller (level accuracy of plus/minus 1/100 mm or plus/minus 1/10 mm)

Range of application

- set-up of optical laser systems, interferometer
- special microscopy

Optical Table Top

HD steel honeycomb core with high natural damping, cover plate without thread insert HDT steel honeycomb core with high natural damping, cover plate with thread insert

Description of construction

Cover plate: stainless steel 3mm/ magnetic or magnetic/ bloomed

Base plate: steel plate 3mm Thread insert: M6 (HDT)

Core: (HD/T) steel honeycomb core with a 0.5mm galvanized steel

plate, precision formed / bonded with special resin.

Thread inserts: floating bedded thread inserts M6 / no connection to the table core through closed sleeves / adjustment of turnbuckles about 5 mm during simultaneous addiction about plus/minus 3 degrees are possible / Max. depth of thread 30mm

Optical workstations provide optimal damping and rigidity at a low weight.

The damping properties of the BILZ LTO honeycomb lattice boards have been optimized. High amplitudes at resonance, typically in high frequencies ranges, will be almost completely eliminated the HD-series table by the high internal damping coefficient.

Standard Sizes LTO

sizes	width depth	09-09	600 mm 500 mm	09-06 017	900 mm 600 mm	LTO 120-60	1200 mm 600 mm	LTO 150-90	1500 mm 900 mm	_	2000 mm 1000 mm	LTO 240-120	2400 mm 1200 mm	300-150	3000 mm 1500 mm
	thickness hard stone height	LTO	100 mm 760 mm		100 mm 760 mm		100 mm E		100 mm P	LT0 2	200 mm 760 mm		200 mm 760 mm	LTO 3	300 mm 760 mm
	max. loading capacity		150 kg		200 kg		300 kg		500 kg		500 kg		750 kg		750 kg



LTH-S Tables / Special models

Special dimensions:

It's possible to supply special dimensions, higher loads, stainless steel solutions or a high-end solution with the BILZ AIS system available upon request

Range of application

Vibration insulation of optical and opto-electronic working stations and small, high precision table top measuring instruments, e.g. roundness testers, gear measuring machines, surface measuring machines, etc.

General system properties

Vertical natural frequency: approx. 1.5 Hz Horizontal natural frequency: approx. 2.5 Hz

- adjustable feet, caster wheels
- Torsion proofed, welded steel frame with integrated BiAir[®] air-spring in the table-leg
- BiAir® mechanical pneumatic level control (level accuracy of plus/minus 0.01 mm) and a pneumatic service unit.

