

Nonmagnetic, Rigid Isolation Table Supports



Many applications do not warrant vibration isolation. In such cases, it is only necessary to have a non-isolating support structure. Thorlabs' rigid isolation systems are strong enough to support an optical table under heavy load.

Thorlabs offers free-standing, non-isolating supports designed to support tabletops without cumbersome tie bars.

Each non-isolating support has three adjustment screws that can be used to level or adjust the table height over a 21 mm (0.85") range using an open-end wrench. The set of four non-isolating supports, which have a 5500 lbs (2500 kg) load capacity, are available in two standard heights [600 mm (23.7") or 700 mm (27.5")] to allow any table surface to be supported at a standard 36" (910 mm) height. Special heights are available upon request.

Specifications

- **Maximum Load Capacity (Set of Four):** 5500 lbs (2500 kg)
- **Height Adjustment:** +0.6", -0.25" (+15 mm, -6 mm)
- **Leveling Adjustment:** Manual Leveling Adjustment on Each Support to Compensate for Uneven Floors
- **Finish:** Black Paint

Nonmagnetic, Rigid, Non-Isolating Supports

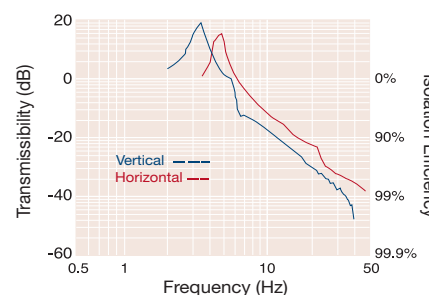
Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION	HEIGHT
NTL502	\$ 3,179.00	£ 2,203.50	€ 2,822.50	¥ 26,844.00	Nonmagnetic Rigid Support, Set of 4	23.7" (600 mm)
NTL503	\$ 3,546.20	£ 2,458.50	€ 3,148.50	¥ 29,945.00	Nonmagnetic Rigid Support, Set of 4	27.5" (700 mm)

*Other sizes, series, and material available upon request. Please contact your local sales office for a quotation including shipping.

Nonmagnetic, Passive Isolation Table Supports

These nonmagnetic, passive isolators are designed for use with nonmagnetic tabletops. They are ideal for removing floor vibrations in the critical 10 to 50 Hz frequency range. The isolators provide simple, effective vibration isolation with excellent horizontal and vertical stability. They inflate with a standard bicycle pump or our foot pump (PTA126) and isolate without air consumption. A choice of load capacity is provided to match your application. These passive-isolation systems provide the same features as our standard passive isolators but are designed with fully nonmagnetic material.



Vertical and Horizontal Transmissibility of Thorlabs' Nonmagnetic Passive Vibration Isolators

Standard Vibration-Isolation Data*

Resonant Frequency		Transmissibility (Isolation Efficiency)	
Vertical	Horizontal	Vertical	Horizontal
<5 Hz	<4 Hz	<6 dB at Resonance	<9.2 dB at Resonance
		<0.25 dB (>75%) @ 10 Hz	<0.13 dB (>87%) @ 10 Hz

Heavy-Duty Vibration-Isolation Data*

Resonant Frequency		Transmissibility (Isolation Efficiency)	
Vertical	Horizontal	Vertical	Horizontal
<5.5 Hz	<4.5 Hz	<6.5 dB at Resonance	<9.0 dB at Resonance
		<0.4 dB (>60%) @ 10 Hz	<0.25 dB (>25%) @ 10 Hz

*Performance values were measured supporting a 4' x 8' x 12.2" (1.25 m x 2.5 m x 310 mm) table. Heavier tables or loads will have a lower vertical resonant frequency, higher transmissibility at resonance, and lower transmissibility at 10 Hz.

Specifications

- **Load Capacity (Set of Four):**
 - **Standard:** 600 – 2425 lbs (275 – 1100 kg)
 - **Heavy-Duty:** 1200 – 4850 lbs (550 – 2200 kg)
- **Height:** 23.7" or 27.5" (600 or 700 mm)
- **Air Pressure Required (Max):** 80 psi (550 kPa)
- **Finish:** Black Paint

Nonmagnetic, Standard Passive Isolators

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION	HEIGHT
NTP502	\$ 7,521.00	£ 5,214.00	€ 6,678.00	¥ 63,508.00	Nonmagnetic Passive Supports, Set of 4	23.7" (600 mm)
NTP503	\$ 7,895.00	£ 5,473.00	€ 7,010.00	¥ 66,666.00	Nonmagnetic Passive Supports, Set of 4	27.5" (700 mm)

*Other heights available upon request. Please contact your local sales office for a quotation including shipping.

Nonmagnetic, Heavy-Duty Passive Isolators

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION	HEIGHT
NTH502	\$ 7,854.00	£ 5,445.00	€ 6,973.00	¥ 66,320.00	Nonmagnetic, Heavy-Duty Passive Supports, Set of 4	23.7" (600 mm)
NTH503	\$ 8,218.00	£ 5,697.00	€ 7,296.00	¥ 69,393.00	Nonmagnetic Heavy-Duty Passive Supports, Set of 4	27.5" (700 mm)

*Other heights available upon request. Please contact your local sales office for a quotation including shipping.