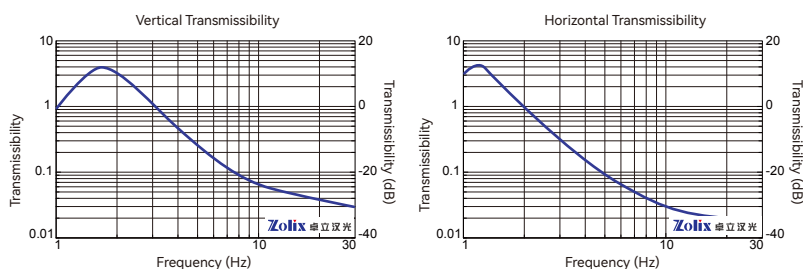


NAP Series Pneumatic Vibration Isolation Optical Table



Naming rule:

NAP 12 - 09 (-K) (-304) (-316)(-WQB)

Series code:
NAP: Three wire pendulum
type pneumatic vibration
isolation optical table

Tabletop length:
10: 1000mm
12: 1200mm
15: 1500mm
:

Tabletop width:
08: 800mm
09: 900mm
12: 1200mm
:

Tabletop structure:
None (default): Welded
table
-K: Bonded trussed
Honeycomb table
with individual
cleaning cup

Top surface material:
None (default): SUS430 stainless
steel
-304: working surface material is
SUS304 stainless steel
-316: working surface material is
SUS316 stainless steel

Option for air compressor:
None (default): air compressor
is included
-WQB: air compressor is not
included

Features:

- Unique three wire pendulum vibration isolation system provides excellent vibration isolation in both vertical and horizontal directions.
- Laminar damping element is used for better sensitivity.
- Tabletop height indicator function makes height adjustment more convenient.
- The standard table top surface material is SUS430 (1Cr17) high magnetic conductivity stainless steel. In addition, SUS304 weak magnetic conductivity stainless steel, SUS316 extremely weak magnetic conductivity stainless steel are also available.

Application:

- It is widely used to place precision optical instruments, such as high magnification microscope and laser confocal microscopy, and is also commonly used in optical communication industry to build small optical paths.

Specifications:

- Resonant frequency: vertical direction <math>< 1.5 \sim 2.5\text{Hz}</math>
- Horizontal direction <math>< 1 \sim 1.5\text{Hz}</math>
- Vibration isolation efficiency:
- Vertical direction: 5Hz: 75~92%; 10Hz: 90%~95%
- Horizontal direction: 5Hz: 88~94%; 10Hz: 92%~98%
- Pneumatic vibration isolation mechanism: Three wire pendulum vibration isolation system
- Damping vibration isolation mechanism: Laminar damping
- Tabletop: Three layer sandwich honeycomb type (Bonded trussed honeycomb table with individual cleaning cup is optional)
- Working surface flatness:
- Welded tabletop: 0.02~0.05mm/600mmx600mm
- Bonded trussed tabletop: 0.1mm/600mmx600mm
- Tabletop thickness: 100mm

- Working surface material: 4~6mm thick stainless steel
- Bottom skin: 4~6mm thick carbon steel
- Side plate material: blue PU leather in welded tabletop. Black PU leather in bonded trussed tabletop.
- Mounting hole: M6
- Mounting hole grid: 25mmx25mm
- Mounting hole to borders: 37.5mm
- Total height (tabletop and frame): 800mm
- Height adjustment: -10~+15mm
- Load capacity: 500Kg
- Maximum air pressure: 0.6MPa
- Recommended working air pressure: 0.3~0.4MPa
- Horizontal repetition accuracy: $\pm 0.5\text{mm}$

Details:

Oil/water separator



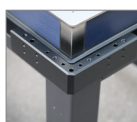
Portable air compressor (Low)



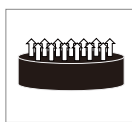
Structure to adjust the levelness and height of the pneumatic optical table



4 corners with protection plate



Laminar damping



Accessories:

Wrench



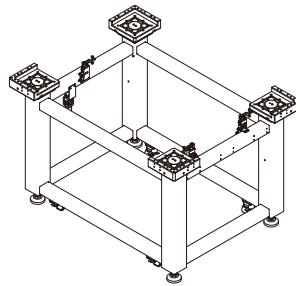
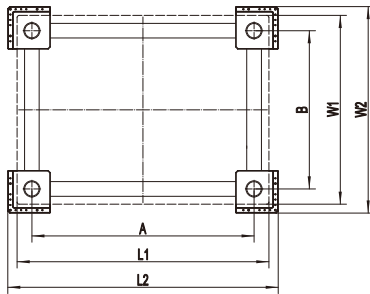
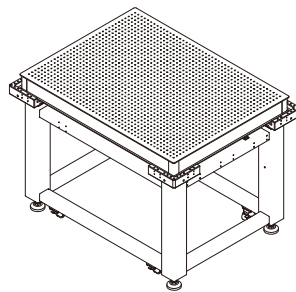
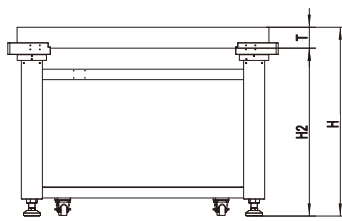
Bullseye level



Selection Table: (The technical specifications are subject to the final release)

Model	Size(mm)	Tabletop thickness(Kg)	Tabletop weight(Kg)	Table Feet Area(mm)	Load capacity(Kg)	Notes
NAP10-08	1000×800×800	100	96	100×100	500	4legs
NAP12-08	1200×800×800	100	115	100×100	500	4legs
NAP12-09	1200×900×800	100	130	100×100	500	4legs
NAP12-10	1200×1000×800	100	144	100×100	500	4legs
NAP12-12	1200×1200×800	100	173	100×100	500	4legs
NAP15-09	1500×900×800	100	162	100×100	500	4legs
NAP15-10	1500×1000×800	100	180	100×100	500	4legs
NAP15-12	1500×1200×800	100	216	100×100	500	4legs
NAP10-08-K	1000×800×800	100	92	100×100	500	4legs
NAP12-08-K	1200×800×800	100	111	100×100	500	4legs
NAP12-09-K	1200×900×800	100	124	100×100	500	4legs
NAP12-10-K	1200×1000×800	100	138	100×100	500	4legs
NAP12-12-K	1200×1200×800	100	166	100×100	500	4legs
NAP15-09-K	1500×900×800	100	155	100×100	500	4legs
NAP15-10-K	1500×1000×800	100	173	100×100	500	4legs
NAP15-12-K	1500×1200×800	100	207	100×100	500	4legs

Dimensions:



Model	Size(mm)								
	L1	W1	A	B	T	H	H2	L2	W2
NAP10-08(-K)	1000	800	859	654.5	100	800	700	1089	884.5
NAP12-08(-K)	1200	800	1059	654.5	100	800	700	1289	884.5
NAP12-09(-K)	1200	900	1059	754.5	100	800	700	1289	984.5
NAP12-10(-K)	1200	1000	1059	854.5	100	800	700	1289	1084.5
NAP12-12(-K)	1200	1200	1059	1054.5	100	800	700	1289	1284.5
NAP15-09(-K)	1500	900	1359	754.5	100	800	700	1589	984.5
NAP15-10(-K)	1500	1000	1359	854.5	100	800	700	1589	1084.5
NAP15-12(-K)	1500	1200	1359	1054.5	100	800	700	1589	1284.5