

Adopted Air Springs effective in all directions Realize high performance of Vibration Isolation

Feature

- Implemented steel honeycomb in the surface plate realizes high stiffness
- Auto leveling function is standard feature

Application :

Optical experiment, Interference experiment,
 Interferometer, Hologram, STM, AFM, Precision

Measuring Apparatus

Optional (separate estimate) :

Punching to the surface, Cast iron Plate, Small Compressor



Specification

Model	OVI-1007	OVI-1010	OVI-1207	OVI-1209	OVI-1210	OVI-1510	OVI-1512	OVI-1809	OVI-1810	OVI-1812	OVI-2010	OVI-2012
natural frequency	vertical 1.2-1.8Hz						horizontal 0.6-0.8Hz					
method	Air Spring applicable for all directions											
plate dim. (mm)	1000×700	1000×1000	1200×700	1200×900	1200×1000	1500×1000	1500×1200	1800×900	1800×1000	1800×1200	2000×1000	2000×1200
height (mm)	750						800					
plate thickness (mm)	109						209					
leveling method	Auto Leveling Method (Regulator setting pressure : 0.25MPa)											
plate material	upper surface : magnetism stainless steel (SUS430) 5mm						lower surface : stainless steel 4mm					
surface top	no tapping · M6 × 25mm pitch · M6 × 50mm pitch											
payload (kg)	150						300					
weight (kg)	142	176	155	194	203	313	350	357	371	393	374	420

Model	OVI-2412	OVI-2415	OVI-3012	OVI-3015	OVI-3612	OVI-3615	OVI-4012	OVI-4015	OVI-5012	OVI-5015	OVI-6012	OVI-6015
natural frequency	vertical 1.2-1.8Hz						horizontal 0.6-0.8Hz					
method	Air Spring applicable for all directions											
plate dim. (mm)	2400×1200	2400×1500	3000×1200	3000×1500	3600×1200	3600×1500	4000×1200	4000×1500	5000×1200	5000×1500	6000×1200	6000×1500
height (mm)	800											
plate thickness (mm)	209	210	309	310	309	310	309	310	409	410	409	410
leveling method	Auto Leveling Method (Regulator setting pressure : 0.25MPa)											
plate material	upper surface : magnetism stainless steel (SUS430) 5mm						lower surface : stainless steel 4mm					
surface top	no tapping · M6 × 25mm pitch · M6 × 50mm pitch											
payload (kg)	500						1000					
weight (kg)	570	660	700	855	945	1100	1030	1190	1434	1670	1650	1928

Other size plates are available to manufacture. Please contact us.