

Vibration Test Systems for General Purposes

G-0 Series

Electric & Electronic Apparatus

Vehicles

Railway Vehicles

Aerospace

Others

Transportation



G-0160N

A Variety of Choices

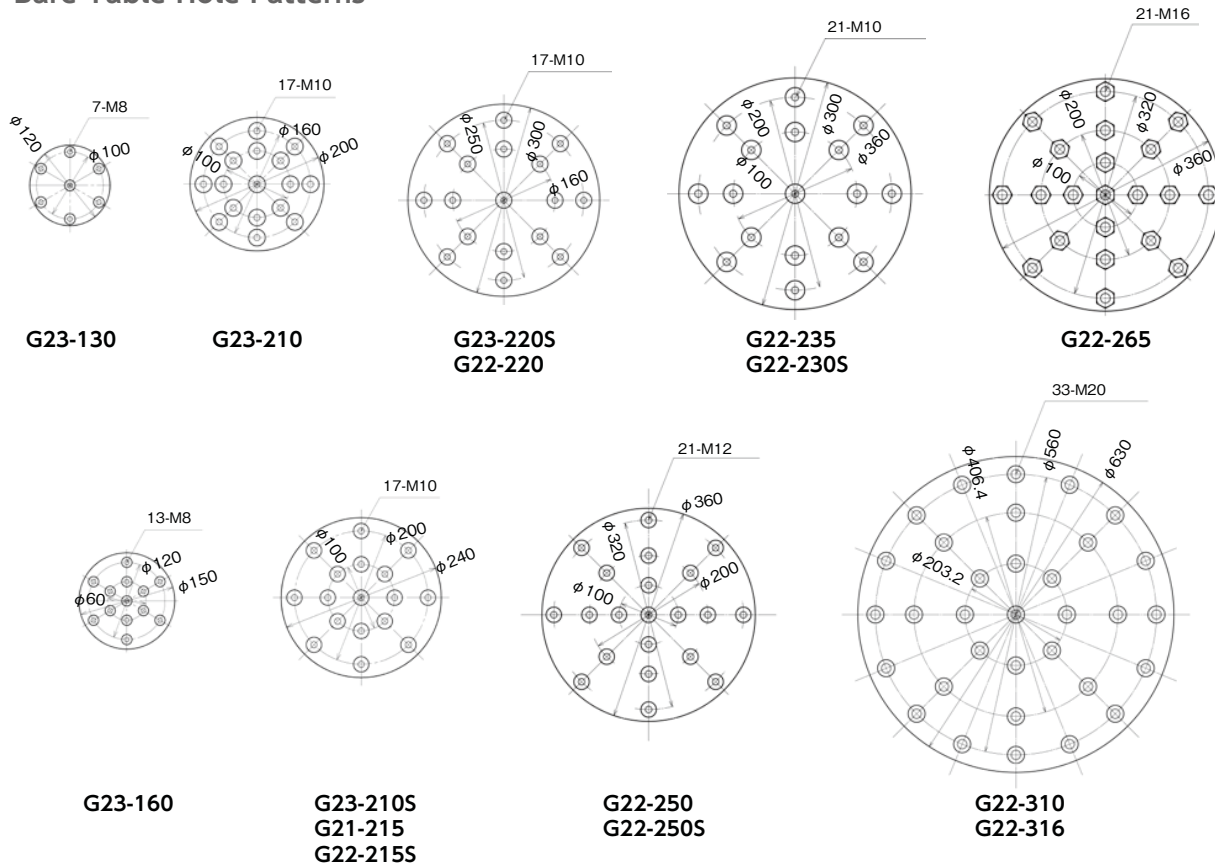
The G-0 Series Vibration Test Systems (VTSs), core systems of SHINKEN, have a variety of choices according to customer's requirements with force output ranging from 1kN to 200kN and a choice of the guide systems from mechanical bearing, air-bearing and hydro-static bearing systems.

Usable for a Wide Range of General Purpose Vibration Tests

With the main features of high frequencies and high acceleration, The G-0 Series VTSs are most suited to vibration tests for vehicle and electric & electronic parts, also usable for a variety of vibration tests for general purposes by adding necessary accessories such as vertical tables and horizontal tables.

- Air-cooled ■ Water-cooled ■ Mechanical Bearing
- Air Bearing ■ Hydro-static Bearing ■ Combined Environmental Test Systems also Available

Bare Table Hole Patterns



System Model	Max. Force Output	Max. Acceleration	Max. Velocity	Max. Displacement	Frequency Range	Table Size	Movable Mass	Max. Payload	Vibration Generator		Power Amplifier		Power Required	Cooling System
	Sine kN (kgf)	Sine m/s ² (G)	m/s	mm p-p	Hz	mm	kg	kg	Model	Dimensions (W×D×H mm)	Model	Dimensions (W×D×H mm)	kVA standard 200[V]	[m ³ /min] [L/min]
G-0110N	1 (102)	303 (30)	0.6	51	3~3000	φ120	3.3	60	G23-130	470×380×430	G14-905	Unit 490×430×90	1.5	Air (0.2)
G-0130N	3 (306)	909 (92)	1.2	51	3~3000	φ120	3.3	60	G23-130	670×504×745	G14-002	570×710×1585	6	Air (12)
G-0160N	6 (612)	909 (92)	2	51	3~2500	φ150	6.6	100	G23-160	766×574×820	G14-006	570×710×1585	10	Air (12)
G-0210N	10 (1020)	833 (85)	2	51	3~2000	φ200	12	150	G23-210	800×713×890	G14-010	585×1000×1580	16	Air (10)
G-0210NS	10 (1020)	666 (68)	2	100	3~2000	φ240	15	150	G23-210S	720×714×1106	G14-010	585×1000×1835	16	Air (10)
G-0215	15 (1530)	1000 (102)	1.5	51	3~3000	φ240	15	300	G21-215	955×776×1000	G14-014	585×1000×1835	23	Air (15)
G-0215NS	15 (1530)	833 (85)	1.5	100	3~2000	φ240	18	200	G23-215S	820×792×1150	G14-014	585×1000×1835	23	Air (15)
G-0220L	20 (2040)	980 (100)	2	51	3~2000	φ300	20.4	300	G22-220	898×867×1071	G14-021	585×1000×1835	35	Air (20)
G-0220NS	20 (2040)	769 (78)	2	100	3~2000	φ300	26	200	G23-220S	995×840×1203	G14-021	585×1000×1835	35	Air (20)
G-0230L	30 (3061)	909 (92)	1.7	51	3~2000	φ360	33	300	G22-235	1080×970×1205	G14-028	585×1000×2113	45	Air (22)
G-0230LS	30 (3061)	789 (80)	1.7	80	3~2000	φ360	38	300	G22-230S	1215×970×1205	G14-028	1170×1000×1835	45	Air (22)
G-0235L	35 (3571)	1000 (102)	2	51	3~2000	φ360	33	300	G22-235	1215×970×1205	G14-035	1170×1000×1835	55	Air (22)
G-0250L	49 (5000)	890 (90)	2	51	3~2000	φ360	55	500	G22-250	1500×1000×1574	G14-049	1170×1000×1835	80	Air (60)
G-0250LS	49 (5000)	753 (76)	2	80	3~2000	φ360	65	1000	G22-250S	1341×1100×1544	G14-049	1170×1000×1835	80	Air (60)
G-0265L	65 (6632)	1000 (102)	1.7	56	3~2000	φ360	50	1000	G22-265	1170×1000×1323	G14-063	1170×1000×1835	110	Water (270)
G-0285L	85 (8673)	850 (86)	1.7	56	3~2000	φ500	100	1000	G22-310	1572×1332×1587	G14-084	1755×1000×1835	140	Water (340)
G-0310L	100 (10204)	1000 (102)	1.7	56	3~2000	φ500	100	1000	G22-310	1900×1240×1665	G14-110	1755×1000×1835	180	Water (525)
G-0313L	130 (13265)	962 (98)	1.7	56	3~2000	φ500	135	2000	G22-316	1900×1420×1665	G14-113	2340×1000×2054	205	Water (561)
G-0316L	160 (16326)	1000 (102)	1.5	56	3~2000	φ500	135	2000	G22-316	1900×1420×1665	G14-116	2925×1000×2054	235	Water (648)
G-0320L	200 (20408)	1000 (102)	1.5	56	3~2000	φ630	200	2000	G22-320	1950×1450×1760	G14-120	4095×1000×2054	320	Water (768)

- For the air-cooled systems with a force output of over 20kN, it is recommended that the hot air from the cooling blower be sent to outside.
- The last letter stands for:
N: Air Bearing Type
L: Hydro Static Bearing Type
No Letter: Mechanical Bearing Type