

## HEAD EXPANDER

The Head Expander is used for vertical vibration testing. According to the shape of the working table, it is divided into circular or square head expander. The appropriate platform shape and size can be selected according to the actual applications. The conical design structure and integrated casting process ensure a higher first-resonance frequency, lightweight structural quality, and higher physical characteristics. If there are special requirements, the head expander can also be made by welding. In order to improve its load support and anti-overturning capacity, auxiliary support structure is an option.

### Square Head Expander

Armature Diameter (mm)	Working Table Size (mm)	Effective Mass (kg)		Max. Usable Frequency (Hz)	
	Length×Width	Aluminum Alloy	Magnesium Alloy	Sine	Random
150	300×300	7	5	2,000	2,000
	400×400	12	8	2,000	2,000
230 240	400×400	20	13	2,000	2,000
	500×500	30	21	2,000	2,000
	600×600	40	26	2,000	2,000
	700×700	43	27	1,000	2,000
340	800×800	64	40	1,000	2,000
	500×500	32	23	2,000	2,000
	600×600	42	28	2,000	2,000
370	700×700	56	43	1,000	2,000
	800×800	70	50	1,400	2,000
	500×500	48	25	2,000	2,000
	600×600	45	30	2,000	2,000
445	700×700	80	66	2,000	2,000
	800×800	81	55	1,500	2,000
	1,000×1,000	124	86	1,000	2,000
	600×600	56	43	2,000	2,000
	700×700	80	66	2,000	2,000
480	800×800	88	61	1,500	2,000
	1,000×1,000	198	123	1,000	2,000
	1,200×1,200	252	172	800	2,000
	1,500×1,500	350	228	500	2,000
590	800×800	88	61	1,500	2,000
	1,000×1,000	198	123	1,000	2,000
	1,200×1,200	252	172	800	2,000
	1,500×1,500	350	228	500	2,000
	2,000×2,000	900	550	500	2,000
	2,500×2,500	1,650	680	400	2,000
650	1,000×1,000	255	165	1,200	2,000
	1,200×1,200	296	208	600	2,000
	1,500×1,500	450	293	600	2,000
	2,000×2,000	1,100	650	300	2,000
	2,500×2,500	1,950	850	300	2,000



## Circular Head Expander

Armature Diameter (mm)	Working Table Size (mm)	Effective Mass (kg)		Max. Usable Frequency (Hz)	
	Length×Width	Aluminum Alloy	Magnesium Alloy	Sine	Random
150	300	7	5	2,000	2,000
	400	12	8	2,000	2,000
230 240	400	20	13	2,000	2,000
	500	30	21	2,000	2,000
	600	40	26	2,000	2,000
	700	43	27	1,000	2,000
340	800	64	40	1,000	2,000
	500	32	23	2,000	2,000
	600	42	28	2,000	2,000
	700	56	43	1,000	2,000
370	800	70	50	1,400	2,000
	500	45	25	2,000	2,000
	600	46	30	2,000	2,000
	700	80	66	2,000	2,000
445	800	81	55	1,500	2,000
	1,000	124	86	1,000	2,000
	600	56	43	2,000	2,000
	700	80	66	2,000	2,000
	800	88	61	1,500	2,000
480	1,000	198	123	1,000	2,000
	1,200	252	172	800	2,000
	1,500	350	228	500	2,000
	800	88	61	1,500	2,000
	1,000	198	123	1,000	2,000
	1,200	252	172	800	2,000
590	1,500	350	228	500	2,000
	800	95	66	1,500	2,000
	1,000	235	150	1,200	2,000
	1,200	273	196	700	2,000
650	1,500	335	270	600	2,000
	1,000	255	165	1,200	2,000
	1,200	296	208	600	2,000
650	1,500	450	293	600	2,000