

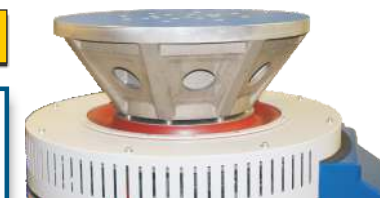
CIRCULAR VERSION

Size ø in mm	Type	for Armature ø in mm	Height (mm)	Mass (kg)
250	THR 25-120	120	80	3.7
	THR 25-180	180	80	4.3
300	THR 30-180	180	80	5.6
	THR 30-230	230	80	6.7
400	THR 40-180	180	120	10.8
	THR 40-230	230	120	12.0
500	THR 50-180	180	150	20.5
	THR 50-230	230	150	22.0
	THR 50-340	340	150	24.4
600	THR 60-180	180	210	29.0
	THR 60-230	230	190	31.0
	THR 60-340	340	181	35.5
800	THR 80-340	340	210	51.0
	THR 80-440	440	200	62.0
	THR 80-640	640	130	47.0
1000	THR 100-440	440	340	122.0
	THR 100-590	590	305	125.0
	THR 100-640	640	185	91.0
1200	THR 120-440	440	335	172.0
	THR 120-590	590	350	184.0
	THR 120-840	840	280	169.0
1500	THR 150-590	590	286	282.0
	THR 150-840	840	275	280.0

Vibrodamp version on request

SQUARE VERSION

Size (mm)	Type	for Armature ø in mm	Height (mm)	Mass (kg)
300 x 300	THS 30-120	120	100	7.3
	THS 30-180	180	105	8.2
400 x 400	THS 40-180	180	100	14.0
	THS 40-230	230	100	14.5
500 x 500	THS 50-180	180	125	22.5
	THS 50-230	230	150	27.5
	THS 50-340	340	180	34.0
600 x 600	THS 60-180	180	180	36.0
	THS 60-230	230	180	39.5
	THS 60-340	340	180	47.5
	THS 60-440	440	180	49.0
800 x 800	THS 80-340	340	250	89.0
	THS 80-440	440	250	90.0
	THS 80-640	640	120	66.0
1000 x 1000	THS 100-440	440	230	129.0
	THS 100-590	590	285	155.0
	THS 100-640	640	175	135.0
1200 x 1200	THS 120-440	440	295	195.0
	THS 120-590	590	340	255.0
	THS 120-840	840	345	258.0
1500 x 1500	THS 150-440	440	380	286.0
	THS 150-590	590	340	345.0
	THS 150-840	840	380	385.0



Head expander THR 60-340

TIRA head expanders are manufactured from magnesium and provide an expansion of the armature table. The unique design of the head expanders and special control strategies allow tests up to 2000 Hz (depends on resonance frequency). Head expanders especially provided with 'vibrodamp' can be subjected to test frequencies above 1000 Hz. This damping process reduces amplification of upper frequency resonances.

If a test needs eccentric clamping of the testobject or higher transverse moments, TIRA also offers guided head expanders.

Apart from the range of standard head expanders TIRA also offers customized fixtures for round, square or rectangular working areas.



Guided head expander THS 80-440