

Systems & Solutions

Engineered
vibration testing
solutions for
improved
product quality.

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T-Film Slip Tables

The T-Film Bearing System offers the rugged overturning moment capacity of the *Team* hydrostatic bearings combined with the full oil support of a oil film type slip table. This table system is assembled from a number of modular T-Film bearings. Each bearing is 12" x 12" and allows the table to be exactly configured to the customers test article size and load requirements. The design of the T-Film bearing and the direct load path from the slip plate to the base is much stiffer than other guidance systems.

The use of multiple bearings that completely support and guide the slip plate will offer excellent dynamic stability and damping for better test results.

With a standard stroke limit of 2.50 inches the bearings will work with all modern long stroke shaker systems. Longer stroke systems have been made and are available for hydraulic shaker applications.



Photos shown with integrated shaker bases.

Features:

- Very high load capacity
- Excellent cross-axis control
- Outstanding dynamic stiffness
- Many load carrying bearings
- Low pressure oil system
- *Team* hydrostatic bearing design
- Easy to switch to smaller slip plate

Applications:

- Electronic component testing
- Thermal + vibration w / large fixtures
- Long stroke low frequency testing
- Large cabinet testing
- Satellite testing w 3m x 3 m table
- High CG test articles
- Mil Std testing to 2000 Hz.

Specifications

Working Area	483.24	483.36	483.40	483.48	483.60
	24 x 24 in. 60 x 60 cm	36 x 36 in. 90 x 90 cm	40 x 40 in. 100 x 100 cm	48 x 48 in. 120 x 120 cm	60 x 60 in. 150 x 150 cm
	Up to 4	Up to 9	Up to 9	Up to 16	Up to 25
Number of Bearings	Up to 4	Up to 9	Up to 9	Up to 16	Up to 25
Moving Weight	145 lb. 66 kg	330 lb. 150 kg.	420 lb. 190 kg.	510 lb. 232 kg.	770 lb. 350 kg.

Stroke 62 mm is standard, specials up to 300 mm

Pitch Moment Capacity In-lb (kN-m)	$.47 \times 10^6$ (53)	1.4×10^6 (158)	1.6×10^6 (180)	3.7×10^6 (418)	7.0×10^6 (790)
Roll Moment Capacity In-lb. (kN-m)	$.47 \times 10^6$ (53)	1.4×10^6 (158)	1.6×10^6 (180)	3.7×10^6 (418)	7.0×10^6 (790)
Yaw Moment Capacity In-lb. (kN-m)	54×10^3 (6)	108×10^3 (12)	126×10^3 (14)	162×10^3 (18)	216×10^3 (75)

Table Dimensions

Base width 'A'	31 in. 78.7 cm	43 in. 109 cm	47 in. 119 cm	55 in. 140 cm	67 in. 170 cm
Base length 'B'	33 in. 83.8 cm	45 in. 114 cm	49 in. 124 cm	57 in. 145 cm	69 in. 175 cm
Overall height 'C'	8.6 in. 22 cm	9.0 23 cm	9.0 23 cm	9.0 23 cm	9.0 23 cm
Shipping Weight	1250 lb. 570 kg.	2500 lb. 1140 kg.	3080 lb. 1400 kg.	3700 lb. 1680 kg.	5425 lb. 2460 kg.

