

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. |

