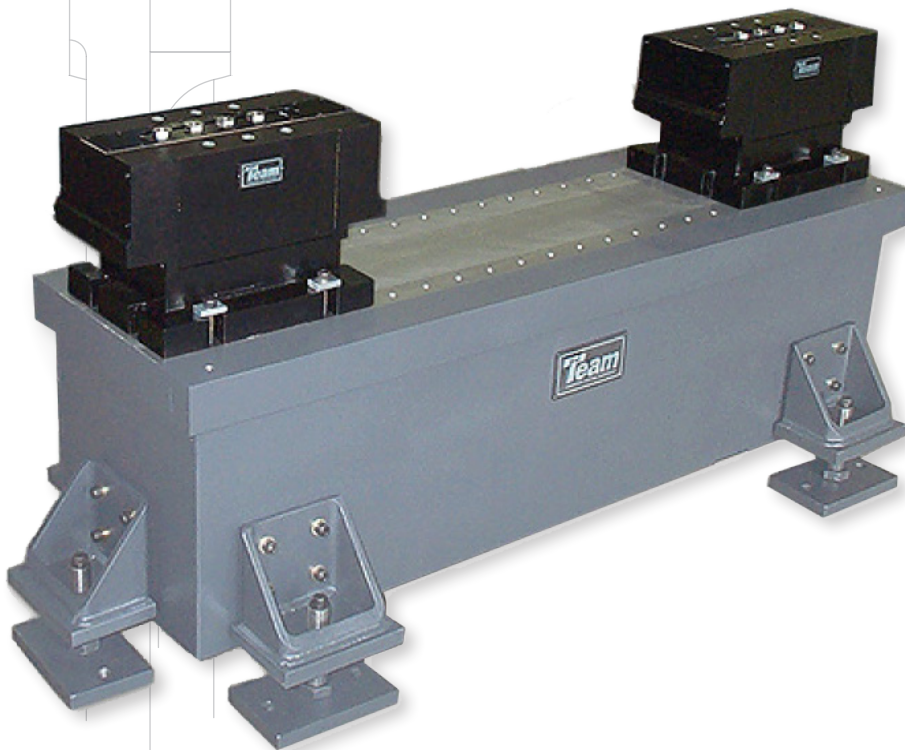
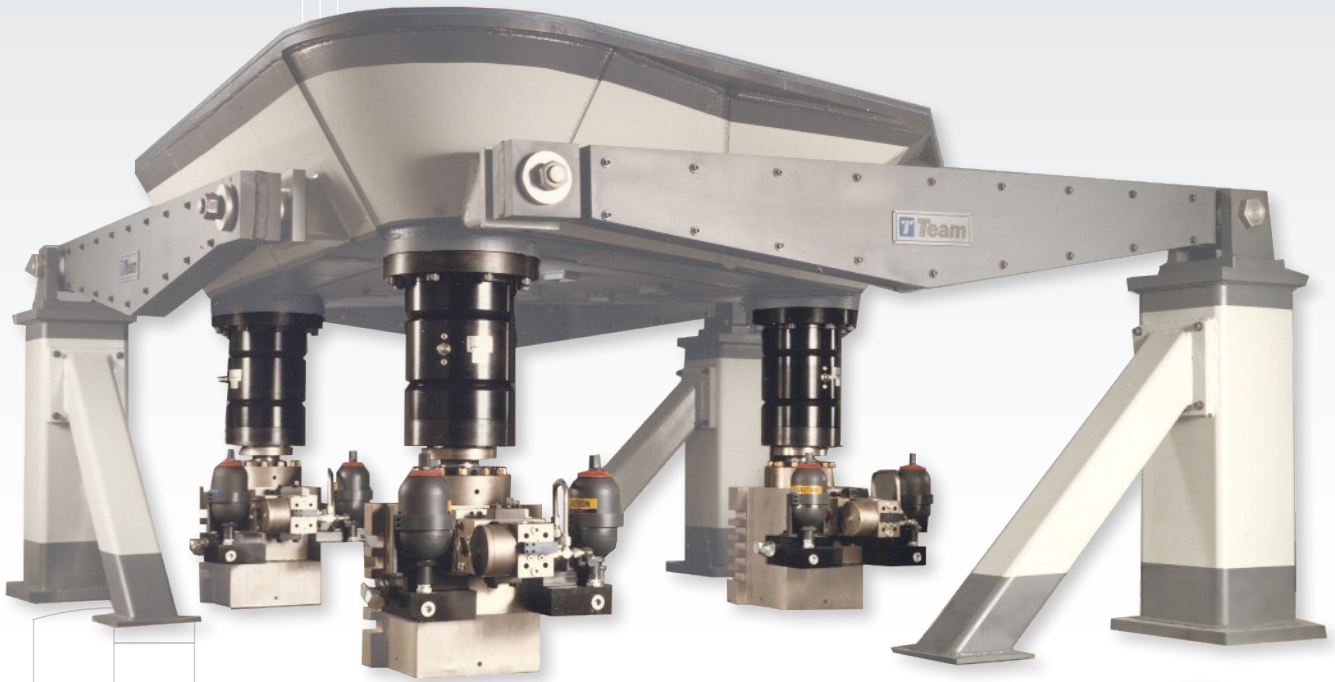


Vibration Test System Components

Bearings - Couplings - Actuators





V8 & T8 Linear Bearing

The V-8 and T-8 tables are our most popular bearing. They have 63.5mm of stroke, so can be used with shakers with up to 51mm of stroke. Each can carry a +/- 4545 Kg vertical load, so most test packages can be accommodated with 4 or 6 bearings.



914 Linear Bearing

Team 914 linear bearings can carry tremendous loads. They are recommended where extremely high overturning moments are expected. A classic application of the 914 is for testing such items as shipboard or silo equipment racks.



Pad Bearings

Pad bearings are used to guide and restrain large packages during vibration testing. These unique bearings form a hydrostatic oil film between a working surface on the package or fixture and the "pad" of the pad bearing. Pad bearings can support extremely high loads. When properly arranged, the moment capacity of a set of pad bearings can be higher than any other restraint method.



T-Film Bearings

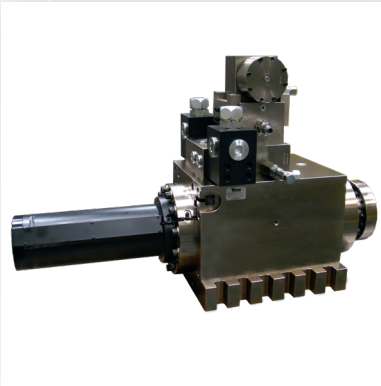
This bearing utilizes low pressure T-Bearings combined with an oil film surface to provide a dynamic load capacity which exceeds the capacity of a standard high pressure journal bearing/granite slip table system. This low pressure (600 psi) oil is ported through the base, eliminating the need for oil ports in the slip table. The normal stroke limit of this bearing is 2.5 in (62.5 mm) with available static stroke up to 12 in (300 mm).





Slip Tables

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 2.5 inches (62.5 mm) and available static stroke to 12 inches (300mm), Team T-film bearings will work with all modern long stroke shaker systems.



50,60 & 80 Linear Actuators

All Team servo hydraulic linear actuators are fatigue rated, require almost no maintenance and have demonstrated reliability and exceptional performance under the most demanding test environments.



Hydrostatic Spherical Couplings

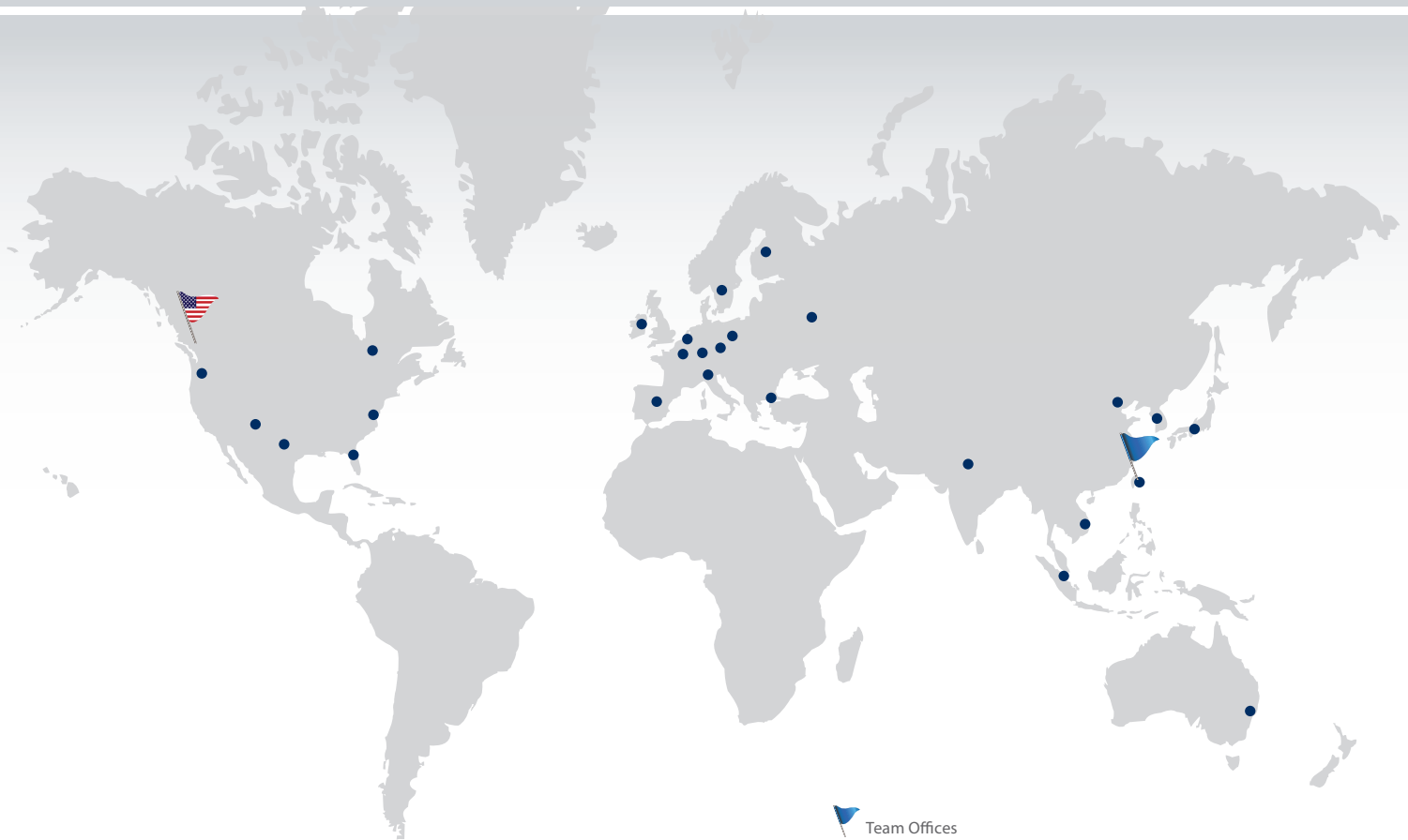
Hydrostatic spherical couplings transmit tensile and compressive forces while allowing angular misalignment. They find application in multiple axis vibration, structural fatigue testing, and any situation where angular freedom is required. They are connected between a shaker and test package, protecting the shaker from damage due to misalignment or angular motion of the test package.



Hydraballs

Do you use rod-end bearings on your servo actuator test rig? Are you tired of adjusting, greasing, and fussing with your rod-end bearings? Does the backlash in the rod-end cause noise and corrupt your test results? Team has a cost-effective solution: the Hydra-Ball. "Hydra" is for hydrostatic bearing, an oil supported ball joint with non-contacting surfaces.





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