



Male rod end bearings, also known as "Rose joints" are used to absorb misalignment in a linkage, they can be found in an endless number of applications, for example automotive, agricultural, industrial, leisure and medical. They are available in a wide range of designs and materials to suit light to heavy duty mechanical applications, requiring low friction and good wear resistance.

Male rod end bearings are available with either metric or imperial threads and bore sizes, right or left handed threads and with threaded studs. A wide choice of bearing liners, including GR-nylon, polyurethane, bronze and PTFE offering maintenance free options, suitable for high precision motion transfer applications and extended life.

Rod ends are available in right or left hand thread, male or female design. Shank (thread) and eye (bore) diameters listed apply to most types in the tables. Spherical bearings are also listed. Other dimensions/size ranges/liner types may vary between manufacturers.

Using rod end bearings allow the application of forces to be aligned through the load cells principle measurement axis, helping to improve the installed accuracy and protect the load cell from any extraneous forces.

When selecting the appropriate rod end bearing, it should match the thread size of the load cell that it will be fitted to. It is also important that the maximum load applied does not exceed the static load rating specified for the rod end selected.

Rod Ends are small size self aligning spherical plain bearings which can take radial loads and two directional thrust loads at the same time. Rod Ends cater for applications such as control linkages in machine tool,, textile industry, farm equipment, packaging machinery, industrial robots and many other applications.