

# Rod End Female Imperial Kit - 48 Piece



48 Piece Kit

Right Hand	Left Hand
4 x 3/16"	4 x 3/16"
4 x 1/4"	4 x 1/4"
4 x 5/16"	4 x 5/16"
4 x 3/8"	4 x 3/8"
4 x 7/16"	4 x 7/16"
4 x 1/2"	4 x 1/2"

Rod End Female Imperial Kit 48 Piece. A rod end bearing, also known as a heim joint (N. America) or rose joint (U.K. and elsewhere), is a mechanical articulating joint. Such joints are used on the ends of control rods, steering links, tie rods, or anywhere a precision articulating joint is required. A ball swivel with an opening through which a bolt or other attaching hardware may pass is pressed into a circular casing with a threaded shaft attached. The threaded portion may be either male or female.

Rod end bearings are used on the ends of cylinders, linkages, rods, and shafts to take up angular misalignment between connected parts. They consist of a spherically-shaped inner ring and a cylindrical bore for shaft mounting.

Rod end bearings are used in applications that accommodate low to moderate shaft misalignment. They are also used in many aerospace, military, and automotive applications. In the automotive industry, rod end bearings are used in steering knuckles and transmission linkages.

Load capacity and maximum angular misalignment are the most important specifications to consider. In most cases, bearing motion is symmetrical and the maximum angular misalignment is half of the total side-to-side range.

Arrows indicate direction of forces (load)

