## BALL JOINT ASSEMBLIES

Rod End Ball Joints (Male with Stud)

Bearing Raceway - Locked in by annular groove-trunion design.
Made of fiber reinforced nylon
Threaded Stud - Made from medium carbon steel.
Spherical Ball - Precision make from selected low carbon steel-case hardened - file hard. Plated plus dichromate treated for corrosion resistance.

Outer Member (Housing) - Low carbon steel, plated plus dichromate treated for corrosion resistance.

Left Hand Thread - Available with left hand thread in most sizes. Marked for easy user identification.

Only Available Fully Assembled


Dimensions

| Auveco <br> Part No. | Thread <br> Size (A) | B | C | D | E | F | G | H | J | K | L | M | N | Unit <br> Pka | Thread |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 2 2 9 0}$ | $10-32$ | .437 | .437 | .156 | .625 | .312 | 1.250 | .750 | 1.562 | .189 | .438 | .250 | .312 | 1 | R |
| $\mathbf{1 2 2 9 2}$ | $1 / 4-28$ | .469 | .562 | .156 | .750 | .375 | 1.562 | 1.000 | 1.937 | .250 | .516 | .281 | .375 | 1 | R |
| $\mathbf{1 2 2 9 3}$ | 12030 | $5 / 16-24$ | .531 | .687 | .187 | .875 | .437 | 1.875 | 1.250 | 2.312 | .312 | .625 | .344 | .437 | 1 |
| $\mathbf{1 2 2 0}$ | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\mathbf{1 2 0 3 1}$ | $3 / 8-24$ | .625 | .875 | .218 | 1.000 | .500 | 1.937 | 1.250 | 2.437 | .375 | .719 | .406 | .500 | 1 | R |
| $\mathbf{1 2 2 9 5}$ | $1 / 2-20$ | .875 | 1.125 | .312 | 1.312 | .625 | 2.437 | 1.500 | 3.094 | .500 | .938 | .500 | .625 | 1 | R |
| $\mathbf{1 2 0 3 2}$ | $1 / 205$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Rod End Ball Joints (Female with Stud)

Bearing Raceway - Locked in by annular groove - trunion design. Made of fiber reinforced nylon.
Threaded Stud - Made from medium carbon steel

Spherical Ball - Precision make from selected low carbon steel case hardened - file hard. Plated plus dichromate treated for corrosion resistance.

Outer Member (Housing) - Low carbon steel, plated plus dichromate treated for corrosion resistance.

Left Hand Thread - Available with left hand thread in most sizes. Marked for easy user identification.

Only Available Fully Assembled


Dimensions

| Auveco <br> Part No. | Thread <br> Size (A) | B | C | D | E | F | G | H | $J$ | K | L | M | N | 0 | P | R | U. P. | The. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 12034 \\ & 12283 \\ & \hline \end{aligned}$ | 10-32 | . 437 | . 437 | . 156 | . 625 | . 312 | 1.062 | . 562 | 1.375 | . 189 | . 438 | . 250 | . 312 | . 406 | . 312 | . 406 | $\begin{aligned} & 1 \\ & 1 \\ & \hline \end{aligned}$ | R |
| $\begin{array}{r} 12035 \\ 12284 \\ \hline \end{array}$ | 1/4-28 | 469 | . 562 | . 156 | . 750 | . 375 | 1.312 | 750 | 1.687 | . 250 | . 516 | . 281 | . 375 | 469 | . 375 | . 406 | 1 1 | R |
| $\begin{array}{r} 12036 \\ 12285 \\ \hline \end{array}$ | 5/16-24 | . 531 | . 687 | . 187 | . 875 | . 437 | 1.375 | . 750 | 1.812 | . 312 | . 625 | . 344 | . 437 | . 500 | . 437 | . 500 | 1 1 1 | R |
| $\begin{aligned} & 12037 \\ & 12286 \\ & \hline \end{aligned}$ | 3/8-24 | 625 | . 875 | 218 | 1.000 | 500 | 1.625 | 937 | 2.125 | . 375 | 719 | 406 | 500 | 687 | . 562 | . 56 | 1 | R |
| 12491 | 7/16-20 | 844 | 1.062 | . 312 | 1.125 | . 625 | 1.812 | 1.032 | 2.375 | 437 | . 812 | 437 | 562 | 750 | 625 | 625 | 1 | R |
| 12038 | 1/2-20 | . 875 | 1.125 | . 312 | 1.312 | . 625 | 2.125 | 1.187 | 2.781 | 500 | 938 | 500 | 625 | . 875 | 750 | 687 | 1 | R |
| 12288 | 5/8-18 | 1.00 | 1.125 | . 375 | 1.500 | . 750 | 2.500 | 1.500 | 3.250 | . 625 | 1.125 | . 562 | . 750 | 1.00 | . 875 | . 875 | 1 | R |
| 12492 | 3/4-16 | 1.187 | 1.812 | . 37 | 1.750 | 1.00 | 2.875 | 1.562 | 3.750 | 750 | 1.312 | . 687 | . 875 | 1.125 | 1.00 | 1.00 | 1 | R |

