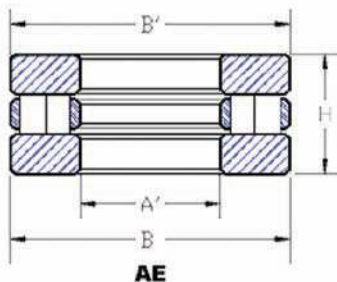




AE Auburn Open Style AE Roller Thrust Bearing

The AE Series is suitable for applications where space is limited and bearings of heavy load carrying capacity are required. Because they have a larger contact area, the roller series offers increased load capacity and greater shock absorption than ball bearings with similar dimensions. The AE bearing consists of three pieces: a bronze retainer with hardened steel rollers and two hardened steel, ground finished races. The SAE 660 bronze retainer that separates and retains the rollers is well suited for applications where lack of lubrication or contamination prohibit using stamped out or plastic retainers.



AE Mounting Instructions

The AE bearing series is designed to allow a slip fit of the races and retainer. The inside diameters A and A' and outside diameters B and B', of each of the washers is identical, making them interchangeable. The inside diameter of the retainer and washers is designed to be installed with a slip fit on the shaft. The outside diameters B and B' of the washers are designed to be a slip fit in the housing.

Please note: Part numbers with a grey background indicate items normally stocked in Macedon, NY.

DIMENSIONS IN INCHES

THRUST LOAD CAPACITY IN POUNDS AT VARIOUS SPEEDS

| Bearing Number | DIMENSIONS IN INCHES | | | | | | | THRUST LOAD CAPACITY IN POUNDS AT VARIOUS SPEEDS | | | | |
|----------------|----------------------------------|------------------------------------|--|--|--|---------------------|------------------------|--|--------|---------|---------|----------|
| | A Bore (A Tolerance) +.003 +.005 | A' Bore (A' Tolerance) +.003 +.005 | B Outside Diameter (B Tolerance) +.000 -.003 | B' Outside Diameter (B' Tolerance) +.000 -.003 | H Height (Height Tolerance) + or -.005 | Diameter of Rollers | Bearing Weight in Lbs. | 10 RPM | 25 RPM | 100 RPM | 500 RPM | 1500 RPM |
| AE 18 | 7/8 | 7/8 | 1-27/32 | 1-27/32 | 5/8 | 1/4 | .25 | 6674 | 4882 | 3090 | 1823 | 1436 |
| AE 19 | 15/16 | 15/16 | 1-27/32 | 1-27/32 | 5/8 | 1/4 | .25 | 5940 | 4345 | 2750 | 1622 | 1279 |
| AE 20 | 1 | 1 | 1-31/32 | 1-31/32 | 5/8 | 1/4 | .37 | 7344 | 5372 | 3400 | 2006 | 1581 |
| AE 21 | 1-1/16 | 1-1/16 | 1-31/32 | 1-31/32 | 5/8 | 1/4 | .37 | 6534 | 4779 | 3025 | 1785 | 1407 |
| AE 22 | 1-1/8 | 1-1/8 | 2-3/32 | 2-3/32 | 5/8 | 1/4 | .37 | 8992 | 5846 | 3700 | 2183 | 1720 |
| AE 23 | 1-3/16 | 1-3/16 | 2-3/32 | 2-3/32 | 5/8 | 1/4 | .37 | 8992 | 5846 | 3700 | 2183 | 1720 |
| AE 24 | 1-1/4 | 1-1/4 | 2-11/32 | 2-11/32 | 5/8 | 1/4 | .50 | 10584 | 7742 | 4900 | 2891 | 2279 |
| AE 25 | 1-5/16 | 1-5/16 | 2-11/32 | 2-11/32 | 5/8 | 1/4 | .50 | 9638 | 7050 | 4462 | 2633 | 2075 |
| AE 26 | 1-3/8 | 1-3/8 | 2-15/32 | 2-15/32 | 5/8 | 1/4 | .50 | 11409 | 8346 | 5282 | 3116 | 2456 |
| AE 27 | 1-7/16 | 1-7/16 | 2-15/32 | 2-15/32 | 5/8 | 1/4 | .56 | 10368 | 7584 | 4800 | 2832 | 2232 |
| AE 28 | 1-1/2 | 1-1/2 | 2-19/32 | 2-19/32 | 5/8 | 1/4 | .56 | 10584 | 7742 | 4900 | 2891 | 2278 |
| AE 29 | 1-9/16 | 1-9/16 | 2-19/32 | 2-19/32 | 5/8 | 1/4 | .56 | 11858 | 8674 | 5490 | 3239 | 2553 |
| AE 30 | 1-5/8 | 1-5/8 | 2-31/32 | 2-31/32 | 13/16 | 5/16 | 1.00 | 15960 | 11675 | 7389 | 4360 | 3436 |
| AE 31 | 1-11/16 | 1-11/16 | 2-31/32 | 2-31/32 | 13/16 | 5/16 | 1.00 | 14742 | 10784 | 6825 | 4026 | 3175 |
| AE 32 | 1-3/4 | 1-3/4 | 3-3/32 | 3-3/32 | 13/16 | 5/16 | 1.00 | 17100 | 14309 | 7917 | 4671 | 3682 |
| AE 33 | 1-13/16 | 1-13/16 | 3-3/32 | 3-3/32 | 13/16 | 5/16 | 1.00 | 15793 | 11552 | 7312 | 4314 | 3400 |
| AE 34 | 1-7/8 | 1-7/8 | 3-7/32 | 3-7/32 | 13/16 | 5/16 | 1.00 | 18241 | 13343 | 8445 | 4982 | 3926 |
| AE 35 | 1-15/16 | 1-15/16 | 3-7/32 | 3-7/32 | 13/16 | 5/16 | 1.00 | 16848 | 14424 | 7800 | 4602 | 3627 |
| AE 36 | 2 | 2 | 3-11/32 | 3-11/32 | 13/16 | 5/16 | 1.12 | 18241 | 13343 | 8445 | 4982 | 3926 |
| AE 37 | 2-1/8 | 2-1/8 | 3-19/32 | 3-19/32 | 13/16 | 5/16 | 1.25 | 23654 | 17302 | 10951 | 6461 | 5092 |
| AE 37S | 2-3/16 | 2-3/16 | 3-19/32 | 3-19/32 | 13/16 | 5/16 | 1.25 | 19634 | 14362 | 9090 | 5363 | 4226 |
| AE 38 | 2-1/4 | 2-1/4 | 3-23/32 | 3-23/32 | 13/16 | 5/16 | 1.50 | 24967 | 18263 | 11559 | 6817 | 5384 |
| AE 39 | 2-3/8 | 2-3/8 | 3-27/32 | 3-27/32 | 13/16 | 5/16 | 1.50 | 26282 | 19225 | 12168 | 7179 | 5658 |
| AE 39S | 2-7/16 | 2-7/16 | 3-27/32 | 3-27/32 | 13/16 | 5/16 | 1.50 | 20861 | 15259 | 9658 | 5698 | 4490 |
| AE 40 | 2-1/2 | 2-1/2 | 3-31/32 | 3-31/32 | 13/16 | 5/16 | 1.50 | 33343 | 24390 | 15437 | 9107 | 7178 |
| AE 41 | 2-5/8 | 2-5/8 | 4-11/32 | 4-11/32 | 1 | 3/8 | 2.37 | 38473 | 28142 | 17812 | 10509 | 8282 |
| AE 42 | 2-3/4 | 2-3/4 | 4-15/32 | 4-15/32 | 1 | 3/8 | 2.50 | 36450 | 26662 | 16875 | 9956 | 7846 |
| AE 43 | 3 | 3 | 4-23/32 | 4-23/32 | 1 | 3/8 | 2.75 | 42523 | 31105 | 19687 | 11615 | 9154 |
| AE 44 | 3-1/4 | 3-1/4 | 4-31/32 | 4-31/32 | 1 | 3/8 | 3.00 | 44550 | 32587 | 20625 | 12168 | 9590 |
| AE 44S | 3-7/16 | 3-7/16 | 5-7/32 | 5-7/32 | 1 | 3/8 | 3.00 | 39463 | 28866 | 18270 | 10779 | 8495 |
| AE 45 | 3-1/2 | 3-1/2 | 5-7/32 | 5-7/32 | 1 | 3/8 | 3.00 | 46573 | 34067 | 21562 | 12722 | 10026 |
| AE 45S | 3-9/16 | 3-9/16 | 5-7/32 | 5-7/32 | 1 | 3/8 | 2.87 | 37152 | 27176 | 17200 | 10148 | 7998 |