1.000 IN. DIAMETER - 0.250 IN. LEAD

This 1 inch diameter ball screw has a 0.250 inch lead. Corresponding ball nuts are available in standard capacity, high capacity, and ultra-high capacity..

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| **BALL SCREW SPECIFICATIONS** | **RH** | **LH** |
| **BALL SCREW PART NO.** | **BS 100 R 025 A** | **BS 100 L 025 A** |
| NOMINAL BALL CIRCLE DIAMETER | 1.000 IN. |
| LEAD | 0.250 IN. |
| SCREW DIAMETER | 0.980 IN. |
| ROOT DIAMETER | 0.840 IN. |
| SCREW WEIGHT | 2.18 LB./FT. |
| TORQUE TO RAISE 1 POUND\* | 0.044 IN.-LB. |
| MAXIMUM SCREW LENGTH | 12 FT. |

\* Torque to raise 1 pound = 0.177 x inches lead x pounds load

**Standard Capacity Ball Nut Specifications (S)**

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| **BALL NUT SPECIFICATIONS** | **RH** | **LH** |
| **BALL NUT PART NO. (STANDARD CAPACITY)** | **BN 100 R 025 S** | **BN 100 L 025 S** |
| **BALL NUT WITH FLANGE PART NO.** | **BF 100 R 025 S** | **BF 100 L 025 S** |
| DYNAMIC LOAD CAPACITY\*\* | 1,625 LB. |
| STATIC LOAD CAPACITY | 13,000 LB. |
| BALL NUT WEIGHT | 0.83 LB. |
| NOMINAL BALL DIA. (AVG. BALL QTY.) | 5/32 IN. (85) |
| **FLANGE PART NO.** | **FL-1563** |
| WIPER KIT PART NO. | WK-40 |

**High Capacity Ball Nut Specifications (H)**

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| **BALL NUT SPECIFICATIONS** | **RH** |
| **BALL NUT PART NO. HIGH CAPACITY)** | **BN 100 R 025 H** |
| **BALL NUT WITH FLANGE PART NO.** | **BF 100 L 025 H** |
| DYNAMIC LOAD CAPACITY\*\* | 3,250 LB. |
| STATIC LOAD CAPACITY | 26,000 LB. |
| BALL NUT WEIGHT | 1.12 LB. |
| NOMINAL BALL DIA. (AVG. BALL QTY.) | 5/32 IN. (170) |
| **FLANGE PART NO.** | **FL-1563** |
| WIPER KIT PART NO. | WK-40 |

**Ultra High Capacity Ball Nut Specifications (U)**

|  |  |
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| **ALL NUT SPECIFICATIONS** | **RH** |
| **BALL NUT PART NO. HIGH CAPACITY)** | **BN 100 R 025 U** |
| **BALL NUT WITH FLANGE PART NO.** | **BF 100 L 025 U** |
| DYNAMIC LOAD CAPACITY\*\* | 4,500 LB. |
| STATIC LOAD CAPACITY | 39,000 LB. |
| BALL NUT WEIGHT | 1.92 LB. |
| NOMINAL BALL DIA. (AVG. BALL QTY.) | 5/32 IN. (255) |
| **FLANGE PART NO.** | **FL-1563** |
| WIPER KIT PART NO. | WK-40B |

 \*\* for 1,000,000 inches