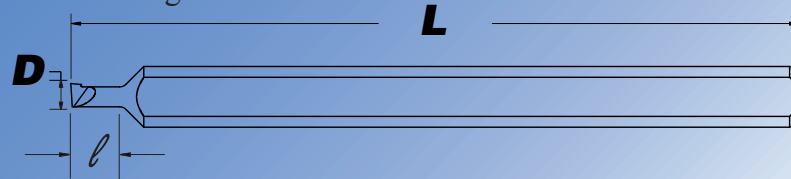


## Solid Carbide Boring Bars

Kyocera has developed a line of Boring Bars for milling micro diameter internal holes and grooves as small as 0.0150" in a wide array of materials. Reach lengths and cutting edge projections can be optimized for your applications and AlTiN coatings are available on custom designs.



### Series MBS Standard Length Boring Bars

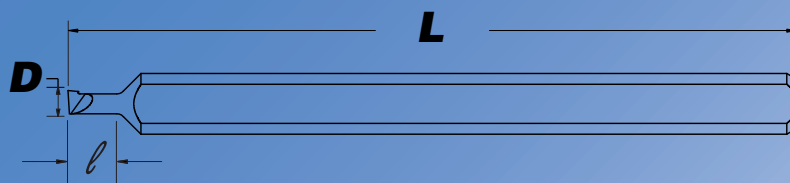
**Standard Bore Depth**

| Shank Dia. (In.) | OAL L (In.) | Min. Bore D (In.) | Max. Depth l (In.) | Uncoated Order # | AlTiN Coated Order # |
|------------------|-------------|-------------------|--------------------|------------------|----------------------|
| 1/8              | 1 1/2       | 0.015             | 0.030              | MBS-0150.030     | MBS-0150L030         |
| 1/8              | 1 1/2       | 0.020             | 0.030              | MBS-0200.030     | MBS-0200L030         |
| 1/8              | 1 1/2       | 0.025             | 0.050              | MBS-0250.050     | MBS-0250L050         |
| 1/8              | 1 1/2       | 0.030             | 0.050              | MBS-0300.050     | MBS-0300L050         |
| 1/8              | 1 1/2       | 0.035             | 0.050              | MBS-0350.050     | MBS-0350L050         |
| 1/8              | 1 1/2       | 0.040             | 0.050              | MBS-0400.050     | MBS-0400L050         |
| 1/8              | 1 1/2       | 0.045             | 0.100              | MBS-0450.100     | MBS-0450L100         |
| 1/8              | 1 1/2       | 0.050             | 0.100              | MBS-0500.100     | MBS-0500L100         |
| 1/8              | 1 1/2       | 0.055             | 0.100              | MBS-0550.100     | MBS-0550L100         |
| 1/8              | 1 1/2       | 0.060             | 0.100              | MBS-0600.100     | MBS-0600L100         |
| 1/8              | 1 1/2       | 0.080             | 0.250              | MBS-0800.250     | MBS-0800L250         |
| 1/8              | 1 1/2       | 0.100             | 0.375              | MBS-1000.375     | MBS-1000L375         |
| 1/8              | 1 1/2       | 0.110             | 0.500              | MBS-1100.500     | MBS-1100L500         |
| 3/16             | 2           | 0.120             | 0.600              | MBS-1200.600     | MBS-1200L600         |
| 3/16             | 2           | 0.140             | 0.700              | MBS-1400.700     | MBS-1400L700         |
| 3/16             | 2           | 0.160             | 0.800              | MBS-1600.800     | MBS-1600L800         |
| 1/4              | 2 1/2       | 0.180             | 0.900              | MBS-1800.900     | MBS-1800L900         |
| 1/4              | 2 1/2       | 0.200             | 1.000              | MBS-2000.1000    | MBS-2000L1000        |
| 1/4              | 2 1/2       | 0.220             | 1.250              | MBS-2200.1250    | MBS-2200L1250        |
| 1/4              | 2 1/2       | 0.240             | 1.500              | MBS-2400.1500    | MBS-2400L1500        |

### Features:

- Series MBS Short Reach Depth Designed For Increased Rigidity
- Premium Sub-Micron Grade Carbide with Locating Flat on Shank

**We put the micro into your machining!™**



**Series MBE Extended Length Boring Bars**

**Extended Bore Depth**

| Shank Dia. (In.) | OAL L (In.) | Min. Bore D (In.) | Max. Depth l (In.) | Uncoated Order # | AlTiN Coated Order # |
|------------------|-------------|-------------------|--------------------|------------------|----------------------|
| 1/8              | 1 1/2       | 0.015             | 0.075              | MBE-0150.075     | MBE-0150L075         |
| 1/8              | 1 1/2       | 0.020             | 0.075              | MBE-0200.075     | MBE-0200L075         |
| 1/8              | 1 1/2       | 0.025             | 0.125              | MBE-0250.125     | MBE-0250L125         |
| 1/8              | 1 1/2       | 0.030             | 0.125              | MBE-0300.125     | MBE-0300L125         |
| 1/8              | 1 1/2       | 0.035             | 0.125              | MBE-0350.125     | MBE-0350L125         |
| 1/8              | 1 1/2       | 0.040             | 0.125              | MBE-0400.125     | MBE-0400L125         |
| 1/8              | 1 1/2       | 0.045             | 0.250              | MBE-0450.250     | MBE-0450L250         |
| 1/8              | 1 1/2       | 0.050             | 0.250              | MBE-0500.250     | MBE-0500L250         |
| 1/8              | 1 1/2       | 0.055             | 0.250              | MBE-0550.250     | MBE-0550L250         |
| 1/8              | 1 1/2       | 0.060             | 0.250              | MBE-0600.250     | MBE-0600L250         |
| 1/8              | 1 1/2       | 0.080             | 0.500              | MBE-0800.500     | MBE-0800L500         |
| 1/8              | 1 1/2       | 0.100             | 0.600              | MBE-1000.600     | MBE-1000L600         |
| 1/8              | 1 1/2       | 0.110             | 0.700              | MBE-1100.700     | MBE-1100L700         |
| 3/16             | 2           | 0.120             | 0.850              | MBE-1200.850     | MBE-1200L850         |
| 3/16             | 2           | 0.140             | 0.900              | MBE-1400.900     | MBE-1400L900         |
| 3/16             | 2           | 0.160             | 1.100              | MBE-1600.1100    | MBE-1600L1100        |
| 1/4              | 2 1/2       | 0.180             | 1.250              | MBE-1800.1250    | MBE-1800L1250        |
| 1/4              | 2 1/2       | 0.200             | 1.400              | MBE-2000.1400    | MBE-2000L1400        |
| 1/4              | 2 1/2       | 0.220             | 1.500              | MBE-2200.1500    | MBE-2200L1500        |
| 1/4              | 2 1/2       | 0.240             | 1.750              | MBE-2400.1750    | MBE-2400L1750        |

**Features:**

- Series MBE Extended Reach Designed For Increased Bore Depth
- Premium Sub-Micron Grade Carbide with Locating Flat on Shank

**We put the micro into your machining!™**