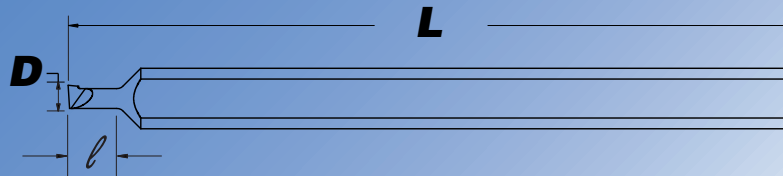




### Solid Carbide Boring Bars

Kyocera has developed a line of Boring Bars for milling micro diameter internal holes and grooves as small as 0.40mm 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	OAL	Min. Bore	Max. Depth	Uncoated	AlTiN Coated
Dia. (mm)	L (mm)	D (mm)	l (mm)	Order #	Order #
3	33	0.4	1.0	MBS-0157.039	MBS-0157L039
3	33	0.5	1.0	MBS-0197.039	MBS-0197L039
3	33	0.6	1.3	MBS-0236.051	MBS-0236L051
3	33	0.7	1.3	MBS-0276.051	MBS-0276L051
3	33	0.8	1.3	MBS-0315.051	MBS-0315L051
3	33	0.9	1.3	MBS-0354.051	MBS-0354L051
3	33	1.0	2.5	MBS-0394.098	MBS-0394L098
3	33	1.1	2.5	MBS-0433.098	MBS-0433L098
3	33	1.2	2.5	MBS-0472.098	MBS-0472L098
3	33	1.3	2.5	MBS-0512.098	MBS-0512L098
3	33	1.5	6.0	MBS-0591.236	MBS-0591L236
3	33	1.7	10.0	MBS-0669.394	MBS-0669L394
3	33	2.0	13.0	MBS-0787.512	MBS-0787L512
5	50	3.0	15.0	MBS-1181.591	MBS-1181L591
5	50	3.5	18.0	MBS-1378.709	MBS-1378L709
5	50	4.0	20.0	MBS-1575.787	MBS-1575L787
8	65	4.5	23.0	MBS-1772.906	MBS-1772L906
8	65	5.0	25.0	MBS-1969.984	MBS-1969L984
8	65	5.5	32.0	MBS-2165.1260	MBS-2165L1260
8	65	6.0	38.0	MBS-2362.1496	MBS-2362L1496

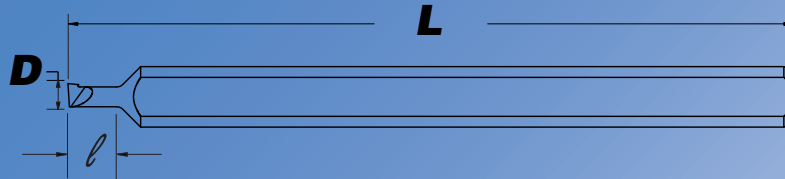
**Features:**

- 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!™*

Corporate Headquarters  
 3565 Cadillac Avenue  
 Costa Mesa, CA 92626  
 ISO 9001:2000

U.S. TOLL FREE: 888.848.8449  
 INTERNATIONAL: 001.714.428.3688  
 www.KyoceraMicroTools.com  
 ISO 14001:2004



**Series MBE Extended Length Boring Bars**

**Extended Bore Depth**

Shank	OAL	Min. Bore	Max. Depth	Uncoated	AlTiN Coated
Dia. (mm)	L (mm)	D (mm)	ℓ (mm)	Order #	Order #
3	33	0.4	2	MBE-0157.079	MBE-0157L079
3	33	0.5	2	MBE-0197.079	MBE-0197L079
3	33	0.6	3	MBE-0236.118	MBE-0236L118
3	33	0.7	3	MBE-0276.118	MBE-0276L118
3	33	0.8	3	MBE-0315.118	MBE-0315L118
3	33	0.9	3	MBE-0354.118	MBE-0354L118
3	33	1.0	5	MBE-0394.197	MBE-0394L197
3	33	1.1	5	MBE-0433.197	MBE-0433L197
3	33	1.2	5	MBE-0472.197	MBE-0472L197
3	33	1.3	5	MBE-0512.197	MBE-0512L197
3	33	1.5	10	MBE-0591.394	MBE-0591L394
3	33	1.7	10	MBE-0669.394	MBE-0669L394
3	33	2.0	10	MBE-0787.394	MBE-0787L394
5	50	3.0	20	MBE-1181.787	MBE-1181L787
5	50	3.5	20	MBE-1378.787	MBE-1378L787
5	50	4.0	20	MBE-1575.787	MBE-1575L787
8	65	4.5	32	MBE-1772.1260	MBE-1772L1260
8	65	5.0	32	MBE-1969.1260	MBE-1969L1260
8	65	5.5	32	MBE-2165.1260	MBE-2165L1260
8	65	6.0	32	MBE-2362.1260	MBE-2362L1260

**Features:**

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

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