**Sunnen MBB-1660 Specifications**

**I.D. Range:**
0.0600 to 6.5000 in (1,50 to 165 mm)

**Length Range:**
Hones bores up to 16 in (400 mm)
in length depending on diameter

**Spindle Speeds:**
200, 250, 320, 400, 500, 640, 800, 1000, 1270, 1600, 2000, 2500 rpm

**Setup Time:**
10 minutes

**Spindle Motor:**
.5 HP (0.375 kW)

**Spindle Brake:**
Self-energizing band-type

**Honing Oil Pump:**
Utilizes spindle drive motor

**Honing Oil Capacity:**
16 gallons (60 liters)

**Filter System:**
Optional PF-150 filter available

**Floor Space:**
30 in (762 mm) wide
60 in (1524 mm) deep
63 in (1600 mm) high

**Electrical System Options:**

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>Voltage/Phase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBB1660CK</td>
<td>115 V 60 Hz</td>
<td>Single Phase</td>
</tr>
<tr>
<td>MBB1660CE</td>
<td>460 V 60 Hz</td>
<td>3 Phase</td>
</tr>
<tr>
<td>MBB1660CD</td>
<td>230 V 60 Hz</td>
<td>3 Phase</td>
</tr>
<tr>
<td>MBB1660CG</td>
<td>CE/400 V</td>
<td>50 Hz 3 Phase</td>
</tr>
<tr>
<td>MBB1660CH</td>
<td>CE/440 V</td>
<td>50 Hz 3 Phase</td>
</tr>
</tbody>
</table>

All models CE Compliant

**Weight (with honing oil):**
630 pounds (287 kilograms)

**Color:**
Pearl Gray

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Sunnen reserves the right to change or revise specifications and product design in connection with any change of our products contained herein. Such changes do not affect the buyer to corresponding changes, improvements, additions, or replacement for equipment, except for accessories previously sold. Information contained herein is considered to be accurate based on available information at the time of printing. Should any discrepancy of information arise, Sunnen recommends that user verify the discrepancy with Sunnen before proceeding.
The Sunnen MBB-1660 is the most versatile, economical bore sizing machine you can put in your shop.

The Sunnen® MBB-1660 hones bores of any configuration. .060 in. to 6.500 in. (1.5 to 165 mm) in diameter. 1/8 in. to 16 in. (3 to 400 mm) long. In regular or odd-shaped parts and any material, the MBB-1660 guarantees precision sizing and geometric accuracy with the surface finish you need. And it doesn’t cost much. Add all these basics together and you have the most versatile, economical honing machine you can put in your shop.

With the MBB-1660 in your shop you are ready for any kind of I.D. work that comes along. Whether you are honing half a dozen pieces or several hundred, a job you’ve never run before or a repeat job, production or salvage, you can set up and start honing without delay or a lot of expense. In many cases, this machine pays for itself on the first two or three jobs.

Sunnen® MBB-1660 is the biggest bargain in the industry. The Sunnen MBB-1660 uses a simple 3-step operation:

1. You gage the bore.
2. You set the honing dial for the amount of stock to be removed.
3. You hone until the dial says zero.

Setup takes only about 10 minutes. You change quickly from one job to another. You don’t have to worry about fixtures, indexing, special tooling or critical tool adjustments. Easy-to-read charts and tables show you clearly and quickly which tooling, stones, speeds, and cutting pressures to use.

The MBB-1660 is now equipped with new safety features including: A) spindle motor brake; B) interlocked belt guard; C) lockable coolant access door; and D) foot guard.

Sunnen® MBB-1660 is the biggest bargain in the industry...

Sunnen sets the standard for accuracy

Sunnen honing machines, no matter how basic, are known worldwide for their honing accuracy.

One reason is the unique three-point Sunnen mandrel design with one stone and two unevenly spaced guide shoes. This design enables Sunnen tooling to produce extremely round bores with the least possible stock removal. Eliminating taper and out-of-round makes bore sizing down to .0001 in. (.00025 mm) a routine matter.

Another key to consistent, accurate honing performance is Sunnen’s premium honing stones which are manufactured under the most exacting quality control standards in the industry. From aluminum oxide to silicon carbide to diamond and CBN, Sunnen offers a large selection of bond types, grain sizes and stone configurations to fit any application.

As always, Sunnen honing gives you any finish you need down to 2 microinches (0.05 microns) and you get it consistently, piece after piece.

You control bore quality with Sunnen honing because you control roundness, straightness, size and finish... the elements which make up bore quality.

Sunnen tooling and accessories make honing easier and more efficient

Ask your Sunnen representative or visit www.sunnen.com for your free catalog of Precision Honing Supplies. The catalog has complete information on Sunnen’s industry-leading tooling and abrasives.

Besides abrasives and tooling, you will find information on other accessories to make your job easier and more efficient such as honing oils and gaging. Sunnen Industrial Honing Oil is specially formulated to deliver faster cutting, maximum stone life and the finest finish. The Sunnen precision PG series bore gages are a unique all-mechanical system... just dial your size on the setting fixture and transfer it to the gage. Complete set-up takes less than two minutes.

All the information you need is in the Precision Honing Supplies catalog.