Model-Maker’s Milling Assembly Instruction Handbook

AK842—Milling assembly with AllSet® body attachment components.

FOREDOM®
The Foredom Electric Company
16 Stony Hill Road, Bethel, CT 06801
www.foredom.com
Congratulations on your purchase of the AllSet Model-Maker’s Milling Assembly Kit. Put your AllSet guide to work for you and see how it can reduce your work time while improving your results! Now you can fabricate faster and easier than ever with this multi-purpose milling accessory. Designed by award-winning jeweler and tool designer, Jeffrey Mathews and engineered by Milton Mathews, this milling tool makes working in metal and wax markedly more efficient and convenient. Operation of the Milling Assembly Kit requires a Foredom® No. 30® handpiece.

- The flexible design of the Milling Assembly makes it easy to set up and perform many functions at your bench or other work station. Turn it from a vertical to a horizontal mill as your job needs change (seven different set-ups are described in this handbook).
- The Milling Assembly is a useful tool for cutting, trimming, milling and performing make-ready tasks on waxes and plastics, where thickness, standard height or depth, accuracy and detail are design imperatives.
- It provides a dedicated work area for performing cutting, milling, sanding, drilling or finishing your custom jewelry work—ideal for creating watch backs or lockets, miter-cutting sheet for making bending raises or box-making, performing edge milling and cutting channels for channel-setting stones—in platinum, gold, silver and base metals.
- Use it in conjunction with any tool you run in your Foredom® No. 30® handpiece. Freehand working capabilities (see setups A–G for this feature) allow you access to all areas of your work.
- You’ll find many tasks can be finished more quickly with this convenient setup. You can perform many of the jobs usually reserved for the more expensive and technically challenging milling machines and lathes. Change the configuration in a few minutes to take work from one task to another without ever having to leave your primary work station!
- Quality-made in the USA of highly durable materials to stand up to multiple demands and frequent reconfigurations.

Safety Notes
1. Always use eye protection when carving, cutting, grinding or sanding with your AllSet® Milling Assembly Kit, or when using any power tool.
2. Some operations of the Milling Assembly require close placement of the hands to sharp cutting edges. To avoid injury, please pay careful attention to hand placement, avoid distractions and do not operate the assembly without your full attention.
3. For safety and effectiveness of the tool, maintain a clean milling table surface and a clean general work area.
Below you will find a brief description of the assembly’s seven configurations and page references where you’ll find complete setup instructions for each. Refer to page 5 for complete instructions on attaching your AllSet® to your Foredom® No. 30® handpiece.

**Setup A**

Setup A is the most popular for wax carving (see pages 6 and 7)

**Setup B**

Setup B cuts a groove or decorative design in round bands and curved objects (see page 8)

**Setup C**

Setup C offers additional cutting height and deeper throats (see page 9)

**Setup D**

Setup D cuts a groove in a band (see page 10)

**Setup E**

Setup E is for drilling straight holes in wax, platinum, gold and silver. Can also be used as an end mill (see page 11)

**Setup F**

Setup F is used to sand at a 90° angle or to grind (see page 12)

**Setup G**

Setup G works like a standard table saw, but cuts gold, platinum, silver or wax sheet. An optional fence guide assembly is also available (see page 14)
Parts List
Please check to ensure that your kit contains the following:

- Shaft adjusting nut
- Slide adjusting knob
- Saddle block assembly
- Shaft/slide assembly
- Body
- Milling table
- Brass spacer/guide (set of 3)
- Collar
- Set-screws
- Stainless Steel Washer
- Thrust Flat Washer
- Belleville Washer
- 4mm Stainless Cap Screw (2)
- 10mm Black Cap Screw (2)
- 16mm Black Cap Screw (4)
- 20mm Black Cap Screw (2)
- 22mm Black Cap Screw (2)
- 25mm Black Cap Screw (4)
- 35mm Black Cap Screw (4)
- 40mm Black Cap Screw (2)

Cap Screw length is measured from the bottom of the head to the end of the threaded shaft.

- Shaft locking screw
- Set-screws
- Collar
- Stainless Steel Washer
- 4mm Stainless Cap Screw (2)
- 10mm Black Cap Screw (2)
- 16mm Black Cap Screw (4)
- 20mm Black Cap Screw (2)
- 22mm Black Cap Screw (2)
- 25mm Black Cap Screw (4)
- 35mm Black Cap Screw (4)
- 40mm Black Cap Screw (2)

- Allen wrenches (2)
- Brass spacer guide (set of 3)

Shaft locking screw

Set-screws

Collar

Stainless Steel Washer

4mm Stainless Cap Screw (2)

10mm Black Cap Screw (2)

16mm Black Cap Screw (4)

20mm Black Cap Screw (2)

22mm Black Cap Screw (2)

25mm Black Cap Screw (4)

35mm Black Cap Screw (4)

40mm Black Cap Screw (2)

Allen wrenches (2)

Brass spacer guide (set of 3)
**AllSet® Body & Bracket Assembly**

**Step 1:**  
Unscrew both set-screws and the shaft locking screw on the collar, so none of them extend into the opening of the collar (Figure 1).

**Step 2:**  
Hook the front of the AllSet® body over the front lip of the handpiece housing, opposite the chuck key opening (Figure 2). Lower the back of the AllSet body until it is flat on the handpiece.

**Please Note:**  
Be sure the front of the AllSet body is hooked on an unbent, undamaged section of the housing lip. If the AllSet body does not lie flat on the handpiece, it is not hooked completely over the housing lip.

**Step 3:**  
Slip the collar over the back of the handpiece and AllSet body, then push it to the front against the handpiece housing (Figure 2). Make sure the bevel on the inside of the collar is facing forward.

**Step 4:**  
Turn over the handpiece, body and collar (Figure 3). Screw in the shaft locking screw just enough to make sure it is in the hole at the back of the body. This locates and aligns the collar position. Do not screw it all the way in or the shaft will not slide completely into the body. The shaft locking screw is used to lock the shaft in position and does not function to secure the collar on the body or handpiece.

**Step 5:**  
While holding the AllSet body against the handpiece, push the front of the body toward the collar to be sure it is still hooked over the front lip of the handpiece housing (Figure 3). Evenly tighten the two set-screws until the collar is centered from side to side on the handpiece. Be sure the AllSet body is firmly against the handpiece housing. Snug down the set-screws with the Allen wrench included in the kit. Do not overtighten.
Setup A—For wax carving

To ensure an accurate cut, move the bur as far as possible into the Foredom® No. 30° handpiece to tighten. Using the 20mm cap screws and washers, attach the saddle block assembly to the milling table using MT1 holes (see figure A1). Slide the handpiece over the shaft/slide assembly, then adjust the shaft adjusting nut to desired height. Next, tighten the shaft locking screw to secure bur height. Loosen the saddle block locking screw, then with the slide adjusting knob, turn until the bur centers in the key hole. **Please Note:** If you loosen the saddle block locking screw too much, you won’t get an accurate cut. It needs to be just loose enough to slide in and out. This will allow the bur to go through the key hole for 90° profile cuts, or to be pulled up to remove material and cut the height of the object down.

**Assembly**

1. Use a sharp cylinder bur with a cutting surface on the end and sides (this allows milling on sides or end without changing the bur).
2. Slow to medium bur rotation is recommended so that wax will not clog bur.
3. No cutting lubricant is required for cutting wax.
4. For truly accurate cuts, maintain a clean milling table surface.
5. Refer to page 9 for additional information on increasing cutting height and throat using brass spacer/guides.
6. Always use eye protection and be especially careful of hand placement when operating this tool.

This setup is the most popular for wax carving because it provides highly accurate cutting and allows a very quick changeover. By rotating the handpiece as shown above, this setup allows for the two most important aspects of wax carving. One setup provides a 90° cut to shape the profile of an object such as a ring. Then by rotating the handpiece, loosening the shaft locking screw and sliding the handpiece away from the milling table, the thickness of the object can be cut down.

**Recommendations**
Setup A, continued

Figure A3

Figure A4

Milling table
Saddle block assembly
Body
Shaft/slide assembly

Slide adjusting knob
Shaft adjusting nut
Saddle block locking screw
20mm cap screw
Belleville washer
Thrust washer

Collar
Shaft locking screw

Foredom® No. 30° handpiece (not included)

Bur (not included)

Foredom® No. 30° handpiece (not included)

Shaft adjusting nut
Saddle block locking screw
Belleville washer
Thrust washer

Milling table
Saddle block assembly

Collar
Shaft/slide assembly

Figure A3

Figure A4

Bur (not included)
Setup B—to cut a groove or decorative design in round bands and curved objects

This setup can be used to cut a groove or decorative design not only in round wedding bands, but also on curved objects. It’s also great for cutting the edges of a round or curved object. One or more of the brass spacer/guides can be used to achieve different-height cuts. With the supplied brass spacer/guides, you can do edge cutting of 0 to 1mm, 0 to 2mm and 0 to 3mm.

Assembly

Take the saddle block and fasten it to the milling table using the MT1 holes (see figure B1). 20mm cap screws and two washers are required. On the opposite side of the table (as shown) using MT3 holes (see figure B1), attach desired brass spacer/guides with two 16mm cap screws and two washers. Slide the brass spacer/guide for center alignment of the bur. Slide handpiece over the shaft/slide assembly, then adjust shaft adjusting nut to desired height of cut. Next, tighten shaft locking screw to secure bur height. To adjust depth of cut into the round band or other curved object, loosen the saddle block locking screw. If you loosen the saddle block locking screw too much you won’t get an accurate cut. It needs to be just loose enough to slide in and out. Turn the slide adjusting knob to achieve desired depth of cut. Next, tighten the saddle block locking screw. If greater heights are necessary, use one or more of the extra brass spacer/guides as a spacer plate. You can do this by reversing the brass spacer/guide to the back, out of the way of the cutting area and, using the longer cap screws provided in the kit, reattach to the milling table.

Please Note: Washers are needed in this assembly.

Recommendations

1. Slow to medium bur rotation is recommended so that wax will not clog the bur.
2. No lubrication is needed for cutting wax.
3. For truly accurate cuts, maintain a clean milling table surface.
4. Always use eye protection and be especially careful of hand placement when operating this tool.
Setup C—
offers additional cutting height for deeper throats

This setup, in conjunction with one to three brass spacer/guides, can be used to achieve additional cutting height for deeper throats. **Example:** A belt buckle requires a deeper throat so as not to hit the saddle block assembly.

**Assembly**

To ensure an accurate cut and the best results, move the bur as far as possible into the Foredom® No. 30° handpiece. Tighten using washers and 25mm cap screws for one brass spacer/guide, 30mm cap screws for two brass spacer/guides and 40mm cap screws for three brass spacer/guides. Attach the saddle block assembly and brass spacer/guides to milling table using MT1 or MT3 holes (see figure C1), depending on where you prefer the keyhole in relation to your work. When installing the brass spacer/guides, the milled groove in the brass spacer/guide should be face up to allow clearance for the slide adjusting knob. After this, tighten the shaft locking screw to secure bur height.

**Recommendations**

1. Slow to medium bur rotation is recommended so that wax will not clog the bur.
2. No lubrication is needed for cutting wax.
3. For truly accurate cuts, maintain a clean milling table surface.
4. Always use eye protection and be especially careful of hand placement when operating this tool.

Refer to page 5 for complete instructions on attaching your AllSet® to your Foredom® No. 30° handpiece.
Setup D—
to cut a groove in a band

This setup can be used to cut a groove on a round object such as a wedding band. Cutting can be done on the center of the band for channel settings or decorative design, or the cutting can be moved to the edge of the band to cut a groove for millgrain. This setup can also be used for inlay work.

Assembly
To ensure an accurate cut and the best results, move the bur as far as possible into the Foredom® No. 30° handpiece and tighten. Using 20mm cap screws and washers, attach the saddle block assembly to the milling table using MT2 holes. Attach the two stainless smooth cap screws directly into the milling table using holes MT2(a) (see Figure D1). Slide the handpiece over the shaft/slide assembly, then adjust the shaft adjusting nut to desired height of cut. After this, tighten the shaft locking screw to secure bur height. To adjust depth of cut into the ring, loosen the saddle block locking screw. Please Note: If you loosen the saddle block locking screw too much you won’t get an accurate cut. It needs to be just loose enough to slide in and out. Turn the slide adjusting knob to achieve desired depth of cut. Then tighten the saddle block locking screw.

Recommendations
1. Use Bur Life® or a good cutting oil for a smooth cut in metal.
2. When milling metal such as gold, silver, platinum, etc., make shallow cuts and then adjust until desired depth of cut is achieved.
3. Standard jeweler’s burs work well; however, 1/8”– shank burs provide more stability for a better, controlled cut.
4. For wax, we recommend a slower rotation of bur and no cutting fluid or oils to achieve deeper cuts.
5. Always use eye protection and be especially careful of hand placement when operating this tool.
Setup E—for drilling straight holes in wax, platinum, gold and silver. Can also be used as an end mill.

This setup is ideal for drilling straight holes in wax, gold, platinum, silver and more. This setup can also be used as an end mill.

**Assembly**

To ensure an accurate cut and the best results, move the bur as far as possible into the Foredom® No. 30® handpiece and tighten. Using 20mm cap screws and washers, attach the saddle block to the milling table using the MT2 holes (see figure E1). Then attach the two stainless smooth cap screws to the milling table using holes MT2(a). Slide handpiece over the shaft/slide assembly, then adjust the saddle block locking screw to desired height of cut. After this, tighten the shaft locking screw to secure bur depth.

**Recommendations**

1. Pre-start your hole by using either a center punch or a round bur so as to ensure accurate placement of the hole.
2. When cutting metal in this way, we highly recommend Bur Life® or a good cutting oil to provide a smooth cut.
3. When cutting wax, do not use cutting fluids or oils.
4. A slower rotation of the bur is recommended for wax.
5. Sharp drills are a must for cutting metal in this way.
6. Always use eye protection and be especially careful of hand placement when operating this tool.
Setup F—to sand at a 90° angle or to grind

**Tip:** For even greater sanding, grinding and polishing versatility, see the Allset® Sander/Planer in your current Foredom Allset catalog.

Refer to page 5 for complete instructions on attaching your Allset® to your Foredom® No. 30° handpiece.

**Assembly**

To setup, move the sanding disc as far as possible into your Foredom® No. 30° handpiece. Do not use a sanding disc larger than 1” in diameter. Attach the saddle block to the milling table using MT3 holes (see Figure G2, page 13) and two 20mm cap screws and washers.

**To Adjust**

Slide handpiece over shaft/slide assembly. Tighten the shaft locking screw to secure bur close to the milling table. To adjust depth of cut, loosen the saddle block locking screw. **Please Note:** If you loosen the saddle block locking screw too much you won’t get an accurate cut. It needs to be just loose enough to slide in and out. Turn the slide adjusting knob to achieve desired depth of cut. Then tighten the saddle block locking screw.

**Recommendations**

1. Adjust the sanding disc close to, but not touching, the stainless steel milling table.
2. Sand on the downward stroke of rotation (safer method of sanding).
3. Replace sanding discs often to ensure faster and smoother cutting and/or grinding.
4. Use 3M 1” sanding discs with self-adhesive backs if a quick changeover is desired.
5. Maintain a clean milling table for precision cutting or milling.
6. Always use eye protection and be especially careful of hand placement when operating this tool.
7. **Saw blade diameter must not exceed one inch.**
Setup G—works like a standard table saw, but cuts gold, platinum*, silver or wax sheet.

*For cutting platinum, use a diamond saw, order DS21 (20mm x 0.3mm sintered) or DS22 (22mm x .05mm)

Material shown for illustration only

This setup can be used to cut gold, platinum, silver or wax sheet similar to a standard wood-working table saw. This setup lets you achieve many different milling details. For example, you can use a common 90° jeweler’s bur to form mitered cuts in sheet to make boxes.

Assembly

Using 20mm cap screws and washers to attach the saddle block to the milling table using MT1 holes in milling table (see figure F1). Slide the handpiece over the shaft/slide assembly then attach saw blade (saw blade diameter must be 1” or less) or bur for milling into the slot on the milling table prior to tightening into the handpiece. To ensure an accurate cut and the best results, move the bur as far as possible into the Foredom® No. 30° handpiece and tighten. Then, tighten the shaft locking screw to secure bur depth. Next, adjust the shaft adjusting nut to center tool in the oval opening. To adjust depth of cut into the ring, loosen the saddle block locking screw. To adjust the height of the saw or bur, loosen the saddle block locking screw. Please Note: If you loosen the saddle block locking screw too much you won’t get an accurate cut. It needs to be just loose enough to slide in and out. Turn the slide adjusting knob to achieve desired depth of cut. Then tighten the saddle block locking screw.

Recommendations

1. Saw blade diameter must not exceed one inch.
2. Feed material in the direction that allows the rotation of the saw blade to force material down on top of the surface of the milling table.
3. Use liquid Bur Life® or cutting oil when cutting metal.
4. Use as a straight edge when sawing or milling.
5. Maintain a clean milling table for precision cutting or milling.
6. When milling a long piece of sheet material, apply liquid Bur Life or other lubrication the distance of the cutting surface.
7. Always use eye protection and be especially careful of hand placement when operating this tool.
The Allset® Fence Guide Assembly

The Allset fence attaches easily to the milling assembly, converting it into a fully operational table saw and planer. It can be used with a variety of burs to cut, grind or plane gold, platinum, silver, wax and more. It is fully adjustable and features positioning within a 180° range. Installs in seconds with a pair of screws and can be set on the mill table in two different directions for maximum flexibility.

<table>
<thead>
<tr>
<th>Description</th>
<th>Order #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allset® Fence Assembly</td>
<td>AK844</td>
</tr>
<tr>
<td>$299.00</td>
<td></td>
</tr>
</tbody>
</table>

Please note:
Brass spacer guides must be used to elevate the table when mounting the fence guide assembly.

Description
- Attach fence support and fence shim to the fence slide with two screws.
- The protractor lock assembly includes black nylon drag washer and protractor lock.
- The fence support holds the protractor/fence guide bar and is attached to the fence support shim and fence slide.
- The protractor knurled nut with flat washer secures protractor.
- Secure the protractor to the guide bar with two M2 x 0.4 screws.
- Bolt the mill table to the saddle with two 20mm screws.
- The saddle block guides and positions the handpiece, then locks in place.
- Bolt the attachment block to the mill table. This block clamps the slide rod with the fence sliding lock plate.
- Attach the slide to the two bearing blocks with four screws.
- The slide travels in the direction of the slide rod and may be rotated out of the way when necessary.
- Knurled fence stops
- An optional adapter interfaces with the GRS™ adapter assembly to fully support the millable at the bench during fence use.

Fence slide rod
- Fence slide
- The protractor lock assembly includes black nylon drag washer and protractor lock.
- The fence support holds the protractor/fence guide bar and is attached to the fence support shim and fence slide.
- The protractor knurled nut with flat washer secures protractor.
- Secure the protractor to the guide bar with two M2 x 0.4 screws.
- Bolt the mill table to the saddle with two 20mm screws.
- The saddle block guides and positions the handpiece, then locks in place.
- Bolt the attachment block to the mill table. This block clamps the slide rod with the fence sliding lock plate.
- Attach the slide to the two bearing blocks with four screws.
- The slide travels in the direction of the slide rod and may be rotated out of the way when necessary.
- Knurled fence stops
- An optional adapter interfaces with the GRS™ adapter assembly to fully support the millable at the bench during fence use.

Knurled fence stops
- Please note:
Brass spacer guides must be used to elevate the table when mounting the fence guide assembly.

Fence slide rod
- Fence slide
- The protractor lock assembly includes black nylon drag washer and protractor lock.
- The fence support holds the protractor/fence guide bar and is attached to the fence support shim and fence slide.
- The protractor knurled nut with flat washer secures protractor.
- Secure the protractor to the guide bar with two M2 x 0.4 screws.
- Bolt the mill table to the saddle with two 20mm screws.
- The saddle block guides and positions the handpiece, then locks in place.
- Bolt the attachment block to the mill table. This block clamps the slide rod with the fence sliding lock plate.
- Attach the slide to the two bearing blocks with four screws.
- The slide travels in the direction of the slide rod and may be rotated out of the way when necessary.
- Knurled fence stops
- An optional adapter interfaces with the GRS™ adapter assembly to fully support the millable at the bench during fence use.

Knurled fence stops
- Please note:
Brass spacer guides must be used to elevate the table when mounting the fence guide assembly.

Fence slide rod
- Fence slide
- The protractor lock assembly includes black nylon drag washer and protractor lock.
- The fence support holds the protractor/fence guide bar and is attached to the fence support shim and fence slide.
- The protractor knurled nut with flat washer secures protractor.
- Secure the protractor to the guide bar with two M2 x 0.4 screws.
- Bolt the mill table to the saddle with two 20mm screws.
- The saddle block guides and positions the handpiece, then locks in place.
- Bolt the attachment block to the mill table. This block clamps the slide rod with the fence sliding lock plate.
- Attach the slide to the two bearing blocks with four screws.
- The slide travels in the direction of the slide rod and may be rotated out of the way when necessary.
- Knurled fence stops
- An optional adapter interfaces with the GRS™ adapter assembly to fully support the millable at the bench during fence use.

Knurled fence stops
- Please note:
Brass spacer guides must be used to elevate the table when mounting the fence guide assembly.
The Allset® Adapter

The Allset adapter allows easy, hands-free operation for many configurations when used with the Allset milling assembly or the Allset sander/planer (see your current Foredom AllSet catalog). It easily adjust to various heights, angles and positions for your comfort. The adapter slides into the GRS mounting plate.

<table>
<thead>
<tr>
<th>Description</th>
<th>Order #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allset® Adapter</td>
<td>AK845</td>
</tr>
<tr>
<td>$89.00</td>
<td></td>
</tr>
</tbody>
</table>

The GRS AllSet Adapter slides onto the GRS mounting plate. (Mounting Plate Not Included)

Attach the Milling Table to the GRS Adapter Mounting Block by inserting screws up through the GRS Adapter Mounting Block into the Milling Table.

This head-on view shows the adapter conveniently holding the Allset planer/sander at a 90° angle (see your current Foredom AllSet catalog for the planer/sander). Note that the adapter requires only two screws to mount anywhere you like.

The Allset adapter is shown here holding the milling assembly table with a router at a precise 45° angle. The infinite adjustability of angles makes the adapter ideal for use with the Allset milling assembly and the Allset planer/sander.

A slit blade ready to millgrain or set channels is shown in use with the milling assembly table positioned at a horizontal angle. The Allset adapter’s stable, wobble-free design ensures that operations like these can be done with confidence and ease.

The adapter is shown in use with the planer attachment. Note that the planer has been attached to the adapter offset and to the right. That allows more room to work with longer pieces of stock—one more example of the adapter’s remarkable versatility.
Customize Your Own Setting Operation with Allset Kits!

Customize your AllSet just the way you want it! Choose exactly what you need to maximize your efficiency and guarantee great results. If you already have a Foredom® handpiece or some of the equipment included in the kits, just add the AllSet components you want from the selection described below.

**Master Kit** AK820
- Quickly and easily achieve perfect results in all your stone-setting operations.
- Includes a No. 30® handpiece, AllSet handpiece attachments, complete set of guides and video.

**Master Kit** AK825
- Without Foredom No. 30 handpiece.

**Model-Maker’s Milling Assembly** AK842
- This new multi-purpose milling accessory makes working in metal and wax markedly more efficient and convenient.
- Includes a No. 30® handpiece, and AllSet handpiece attachments.

**Prong-Setting Kit** AK826
- Produce consistent settings nearly 10 times faster than by hand!
- Includes AllSet handpiece attachment for the No. 30 handpiece, 13 prong-setting guides, guide locking nut, Allen wrench and instructions—all in a fitted box.

**Channel-Setting Kit** AK828
- Cut perfect channels and maximize your production.
- Includes AllSet handpiece attachment for the No. 30 handpiece, three channel-setting guides, (small, large for baguette and knife-edge), guide locking nut, Allen wrench and instructions—all in a fitted box.

**Pavé-Setting Kit** AK832
- AllSet handpiece attachment for the No. 30 handpiece, seven pavé guides (for setting a number of stones in a pattern to produce a field-of-stones effect), guide locking nut, Allen wrench and instructions—all in a fitted box.

**Easy-Cut Prong Guide Kit** AK847
- AllSet milling table, guide locking nuts, Allen wrench and instructions— in a fitted box. Handpieces and guides sold separately.

**Fence Assembly Kit** AK844
- Converts the milling assembly (top right) into a fully operational table saw and planer. Use with cutters and burs to cut, grind or plane gold, platinum, silver, wax and more. Positions within a 180° range and can be set in two different directions for maximum flexibility.

**Sander/Planer Kit** AK846
- Grind, sand and polish with ease using this compact sander.
- Adjusts easily from 0° to 90° angle and has three-position guide for compound angles. Works with the No. 30 handpiece. Includes planer attachment and a complete set of 3M sanding/ lapping films and Trizact A5 disc.

**Allset Adapter** AK845
- Get easy, hands-free operations for many configurations when used with the milling assembly (top right) or sander/planer (above). Adjusts to various angles, heights and positions. Slides into a GRS mounting plate (sold separately).

**Quick-Change Adapter Kit**
- **AK840 for No. 52 Handpiece**
  - Includes Allset threaded handpiece adapter, Easy-Cut prong guide and three channel setting guides: small, large (for baguette settings) and a knife-edge guide. No. 52 handpiece sold separately.

- **AK841 for No. 10 Handpiece**
  - Includes Allset threaded handpiece adapter, Easy-Cut prong guide and three channel setting guides: small, large (for baguette settings) and a knife-edge guide. Handpiece No. 10 sold separately.

**The Allset Accessory Video** No. VID125
Allset co-inventor, award-winning jeweler and tool designer, Jeffrey Mathews, shows you how to use this revolutionary system to speed stone-setting and increase accuracy. VHS, 31 minutes.

*Note: Kits AK839, AK840, and AK841 are for use with Quick Change Handpieces. All other Allset Kits and Attachments are for use with the No. 30® handpiece.*