



JMPv2 Precision Fence System

JMPv2 精密靠山系统



Thank you for your purchase of the JMPv2 Precision Fence System for the Jointmaker Pro!

These instructions include assembly and usage information. It is advisable to read through the instructions prior to starting assembly.

Upon opening the box there may be empty slots in the packaging depending upon the configuration that you purchased.

Please contact us with comments, feedback, or any questions regarding assembly or use of the Jointmaker Pro.

**You find our contact information on the following website:
www.bridgecitytools.com**

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English Version

1. Assembly and Calibration

- Remove the original fence that comes with your Jointmaker Pro.
- As shown in Fig. 1, mount the precision fence to the orange tables.
- Lift each adjusting lever vertically to release the spring lock. Use a thin slotted screwdriver to tighten the screw on the top of the Levers.
- Reposition the Levers by pulling them up and rotating.

Note: Ensure bolt heads are seated inside recess on underside of tables.

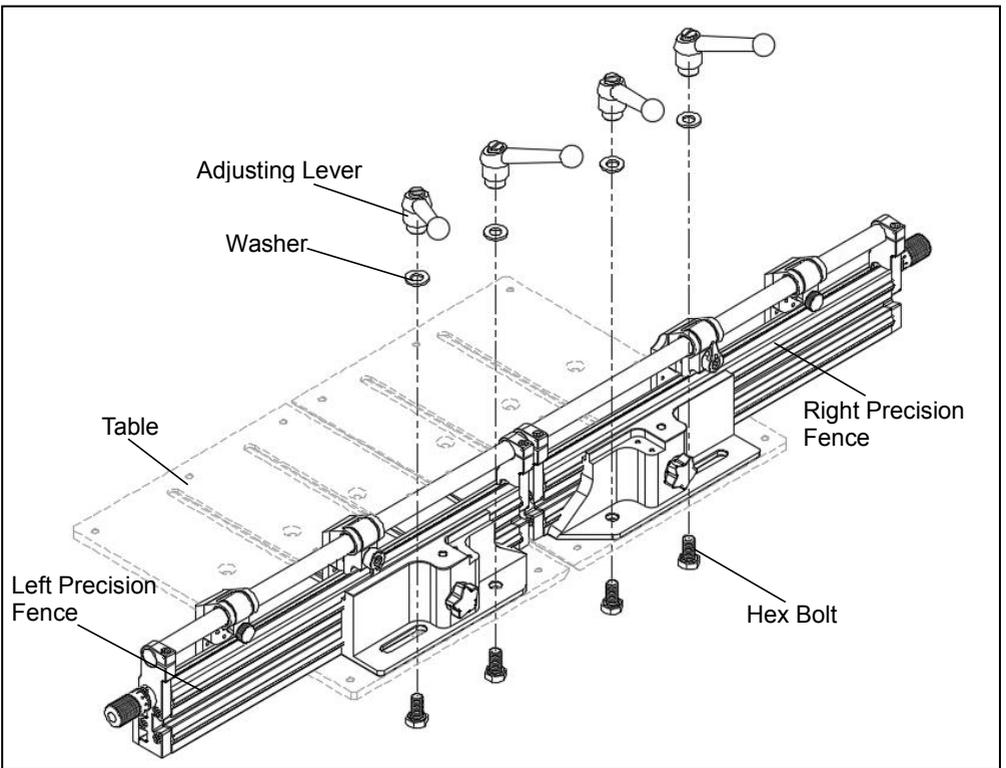


Fig. 1

- As shown in Fig. 2, loosen the 4 adjusting levers, attach the fence bridge to the fence base, and tighten the socket cap screws after calibrating the fence halves (left and right fence base). Temporarily leave both the adjusting levers and socket cap screws slightly loosen to allow calibration of the left and right fence base.

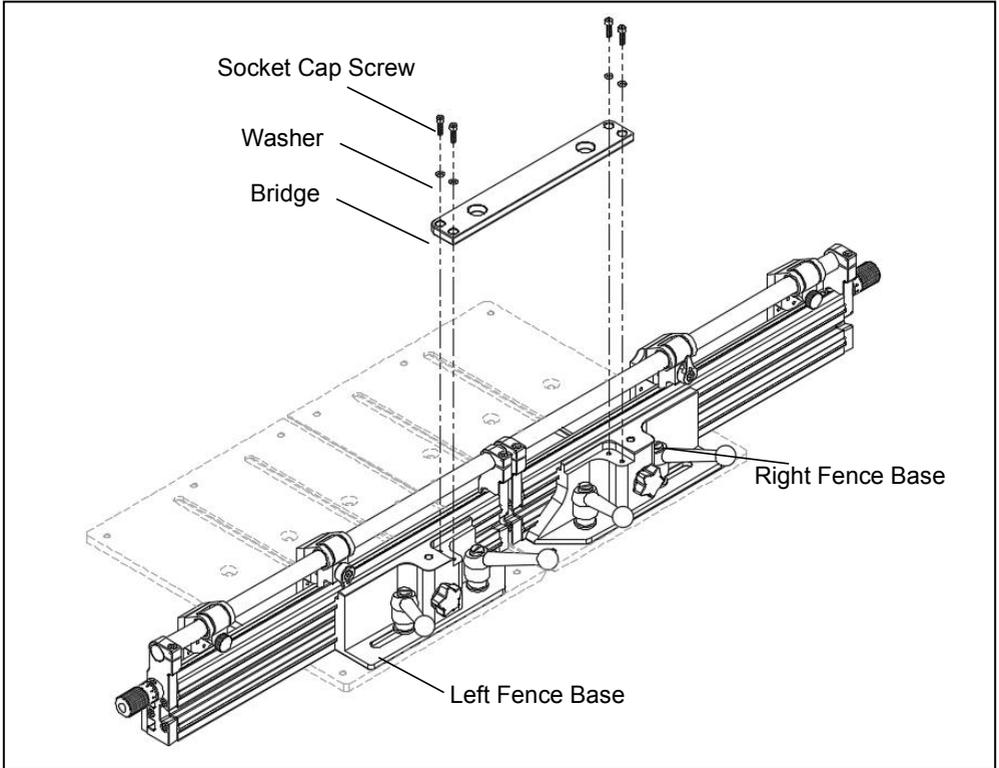


Fig.2

- As shown in Fig. 3, place a straight edge along both fence face to check the straightness. With the adjusting levers loosen, if the two halves of the fence are not coplanar, then slightly adjust the fence bases to align them and ensure that they are coplanar to each other. Once they have been aligned, then retighten the 4 adjusting levers along with the 4 socket cap screws for the bridge.

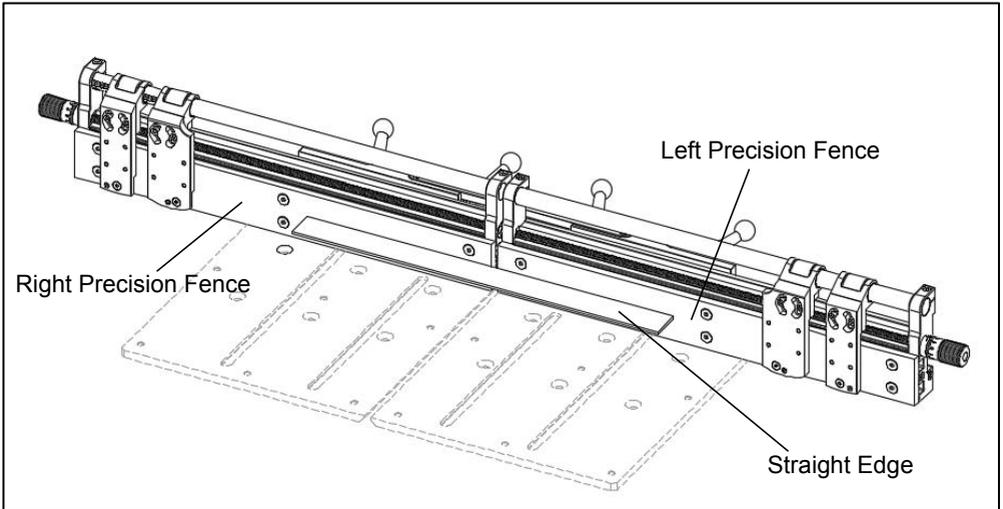


Fig. 3

- As shown in Fig. 4, with blade in the raised position, bring the Blue Stop over and rested against the blade. Make sure that the blue stop is engaged with the lead screw (refer to the section **2.1 Adjusting the Stops** for detailed operation).
- If the blue stop is not making contact with the blade, then loosen the fence locking knob and slide the fence body towards the blade to ensure that both blue stops are slightly touching the blade. Secure the fence locking knobs once you've made this adjustment.
- With the side of the Blue Stop touching the blade, check whether the "0" scale of the graduated rail is aligned with the outer edge of the blue stop "seat" (refer to Fig. 4-1). If the rail graduation has any deviation, then loosen the socket cap screws at both ends of the graduated rail, adjust the position of the graduated rail to "0" zero the rail, and then retighten the socket cap screws.

Note:

1. When the blue stop is rested slightly against the blade, please ensure that the stop is not applying excessive pressure to deviate/bend the blade.
2. When assembling the fence, please leave a small amount of clearance between the end cap of the fence body and the blade to avoid any damage to the blade, fence body, and/or cause personal injury.

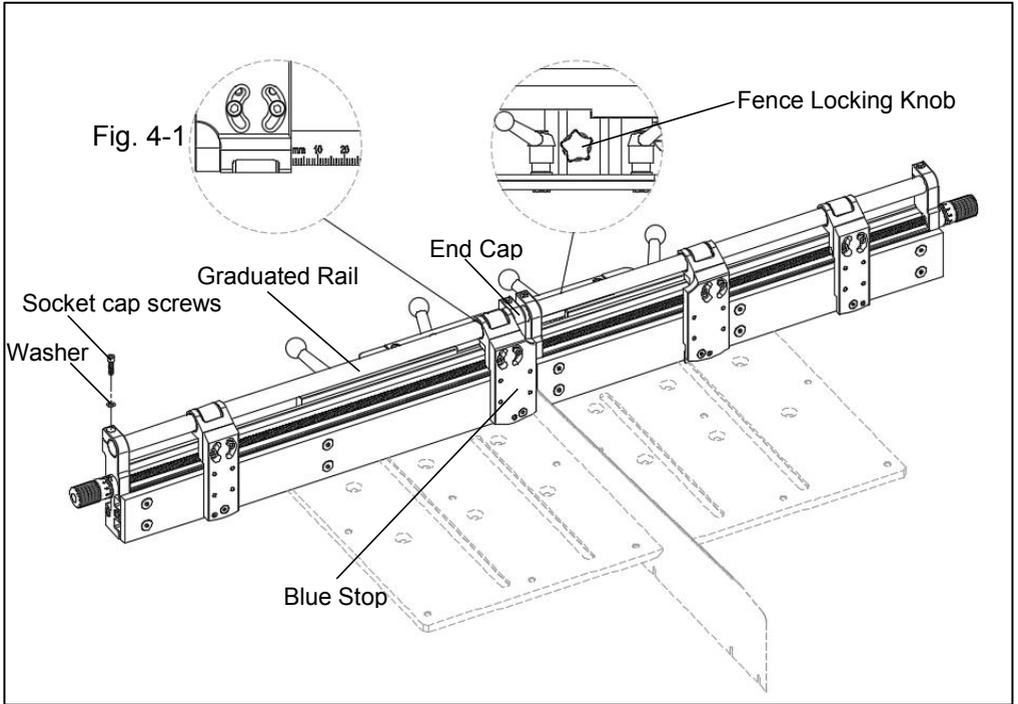


Fig. 4

2. Operation

Component Instruction:

Fence Locking Knob: Used to lock the fence.

Micro Adjustor: Used to fine tune the blue stop.

Blue Stop: Used for precise positioning of cuts.

Black Stop: Used to assist positioning cuts, usually for repetitive cuts.

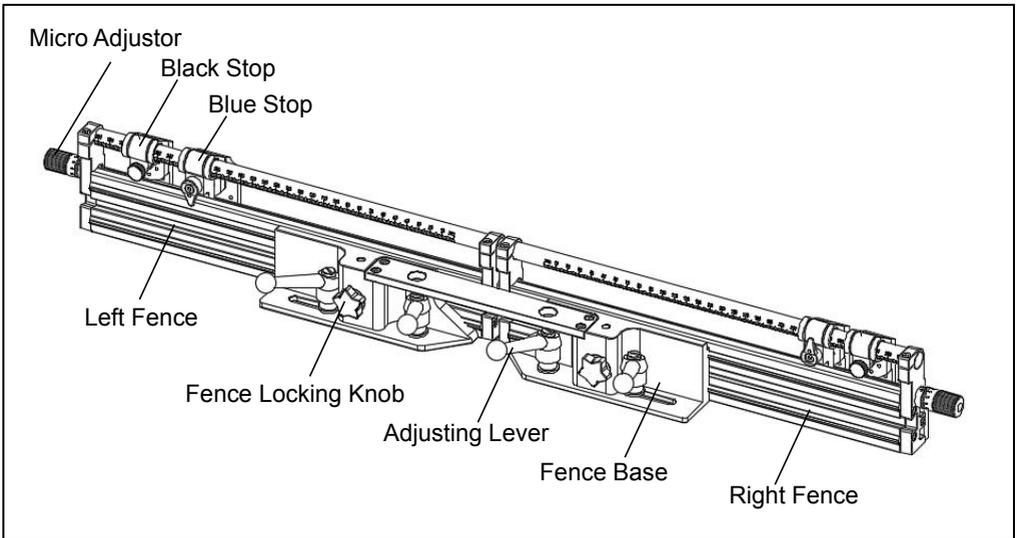


Fig. 5

2.1 Adjusting the Stops

- As shown in Fig. 6, rotate the positioning paddle until the paddle tip faces down, then the blue stop will be engaged with the lead screw. When the paddle tip is faced down, the blue stops can be micro-adjusted by rotating the blue micro-adjustor knob. One rotation of the knob will move the blue stops in increments of 0.02mm (Metric - millimeter) or 0.001" (Imperial - inches). To quickly traverse the blue stop, rotate the positioning paddle tip to a face up position and flip the blue stop up, which will disengage the stop from the lead screw and allow you to freely slide the blue stop.

- When adjusting the position of the blue stop with the micro-adjusting knob, rotate & align scale ring to the "0" mark to help easily read incremental changes when rotating the knob. The "+" and "-" marks on the end cap will indicate the rotating direction of the micro-adjusting knob.
- The black stop is used when you need to setup a repeated cut in addition to the blue stop. It can also be used as a positional stop for the blue stop. In order to do this, loosen the locking knob on the black stop, you can move the black stop freely. Once the position of the blue stop is determined, move the black stop against the blue stop and tighten the locking knob, then the position of blue stop can be memorized, so that the repeated cutting in this location can be done.

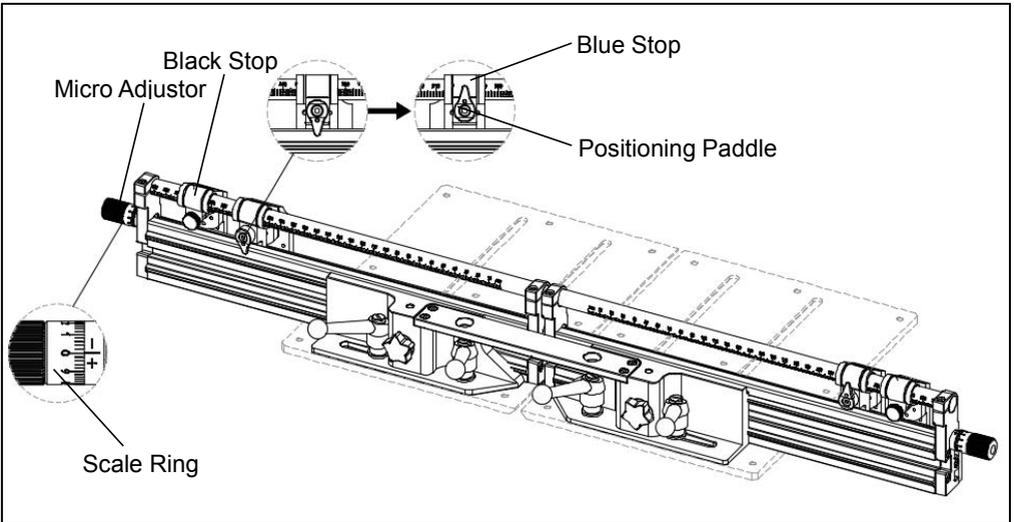


Fig. 6

- In order to cut thin workpieces narrower than 15/64" (6mm), you will need to utilize the spacer to provide additional support. As shown in Fig.7, loosening the set screws on the red spacer, rotate the spacer until the bottom side of the stop against the workpiece is square. Tighten the set screws to secure the spacer in place.

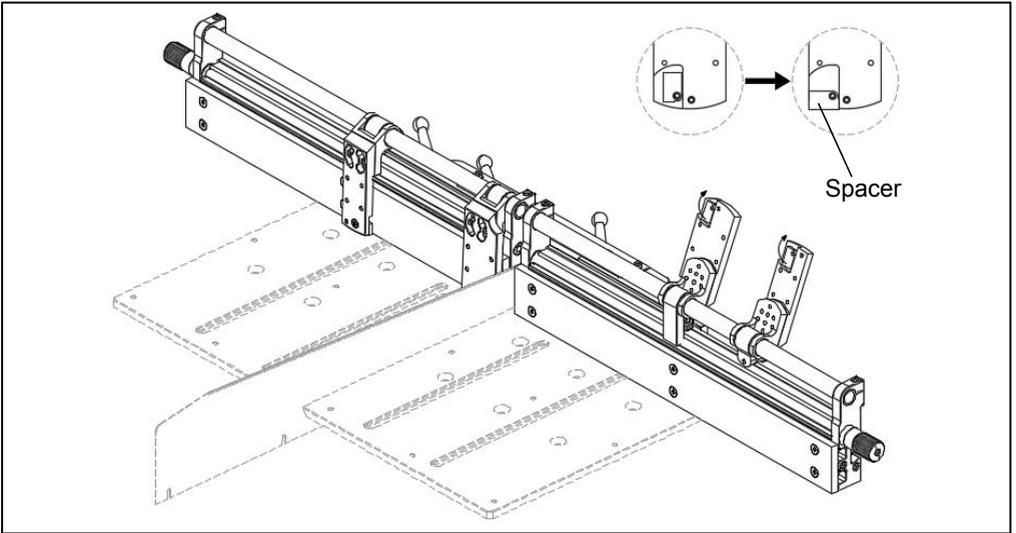


Fig. 7

2.2 Adjusting the Precision Fence to Miter Cut

The JMPv2 Precision Fence System is composed of two fences on the left and right. The two fences can be connected with the bridge to operate the fence as a whole. Alternatively, the fences can be used independently by removing the bridge, which allows each fence to be operated individually.

Also, the fence can be positioned at a certain angle for making miter cuts. There are two ways that the fence can be positioned:

1. With the bridge removed and adjusting levers loosened, either the left or right fence can be positioned at an angle to make cuts as shown in Fig. 8. You'll need to utilize a protractor to set the correct angle of cut. This will allow the fence to be set at different angles to be used independently from one another.
2. As shown in Fig. 9, the fence can be used together as well with the bridge connected. Remove the two adjusting levels underneath the bridge and set them aside. Loosen the other two adjusting levels, and swing the two fences as a whole to set up the fence for an angled cut (swing range: 0°~30°).

Note:

1. During angled cutting, in order to avoid the interference between fence and blade, loosen the fence locking knob and slide the fence away from the blade to avoid the cutting route.
2. Every time the bridge is reinstalled, the fences will need to be recalibrated or aligned to be coplanar to each other and squared to the blade.

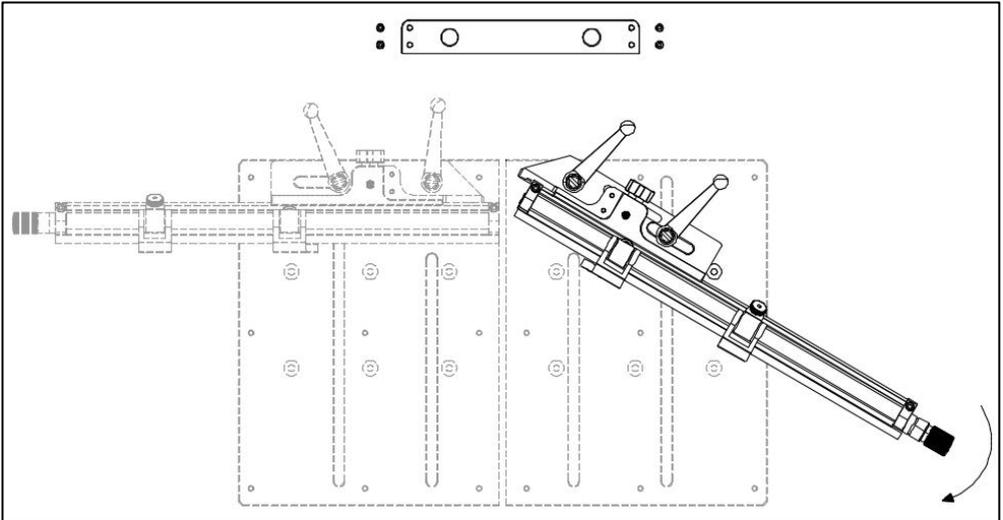


Fig. 8

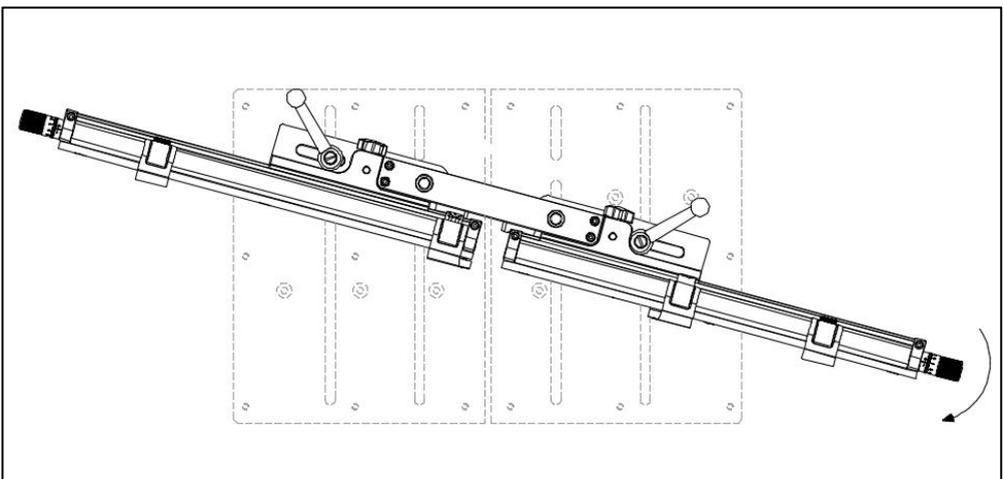


Fig. 9

3. Optional Parts

In order to perform different types of cuts, we have designed four optional accessories for JMPv2 precision fence, which are not included as standard equipment of JMPv2 Precision Fence.

ATTENTION!

Before you make any cut on the Jointmaker Pro, always check to ensure that all clamps and accessories are:

1. Not in the path of the blade.
2. Securely locked down.

3.1 Tenon Miter Jig

The Tenon Miter Jig is used to complete the positioning of multi-angle ($0^{\circ}\sim 90^{\circ}$) fine cutting. The included C-Clamp is used in conjunction with the Tenon Miter Jig to secure the workpiece.

Installation of the Tenon Miter Jig:

- As shown in Fig. 10, remove the black and blue stops from the fence sliders and set them aside.
- As shown in Fig. 11, install the Protractor Plate to the fence sliders. Use the fasteners from the stops to secure the protractor plate in place. You'll need to space the sliders at an appropriate distance to match up the holes with the protractor plate.
- Adjust the two nylon set screws with a hex wrench to square the Protractor Plate to the Table.

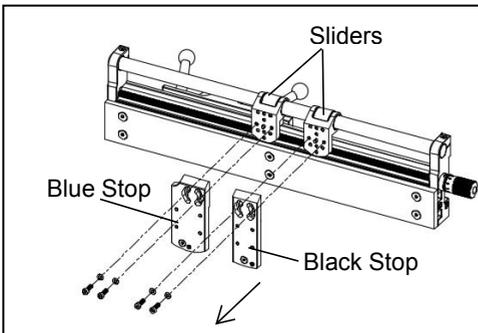


Fig. 10

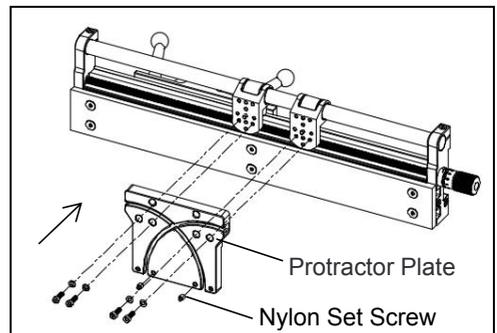


Fig. 11

- As shown in Fig. 12, mount the Tenon Miter Jig to the Protractor Plate. One of the fasteners will act as a pivot point, whereas the other fastener & arc nut will allow the tenon miter jig to slide in the arc track to be set at different angles. You'll need a protractor or a tool for setting the appropriate angle for your cuts.

- As shown in Fig. 13, mount the C-Clamp to the pocket or slots on the Tenon Miter Jig. If needed, you can adjust the nylon set screw to provide better fitment within the pocket or slots.

Note:

1. For ease of installation, you can attach the Tenon Miter Jig arm to the Protractor Plate first, and then attach the Protractor to the fence sliders.

2. The Tenon Miter Jig and Protractor Plate set-up can flip out of the way in order to make another cut using the Stops on the other side of the blade. Be certain the set-up is secure and will not fall down while cutting.

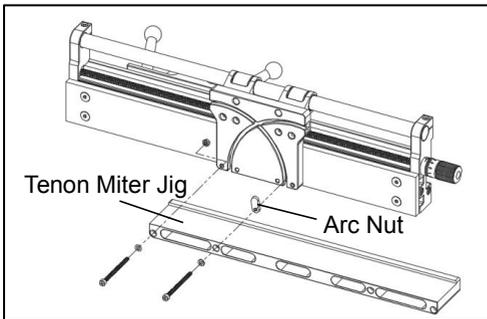


Fig. 12

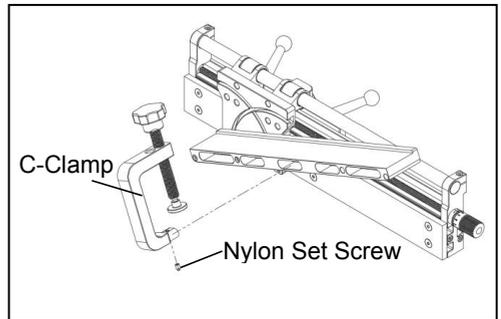


Fig. 13

3.2. Bias Arm

The set-up and usage of the Bias Arm is similar to the Tenon Miter Jig. It is mainly used for securing the rectangular workpiece for multi-angle ($0^{\circ}\sim 90^{\circ}$) fine cutting. Compared with the Tenon Miter Jig, the Bias Arm has a more stable clamping on a rectangular workpiece. The bias arms also set the workpiece to be rested on its edge, allowing for a more complex cutting design.

- As shown in Fig. 14, the installation of the Bias Arm is exactly the same as that of the Tenon Miter Jig, and the Protractor Plate and the C-Clamp are universal.
- You must utilize the protractor plate from the tenon miter jig for the bias arm as it does not come included with the bias arm.

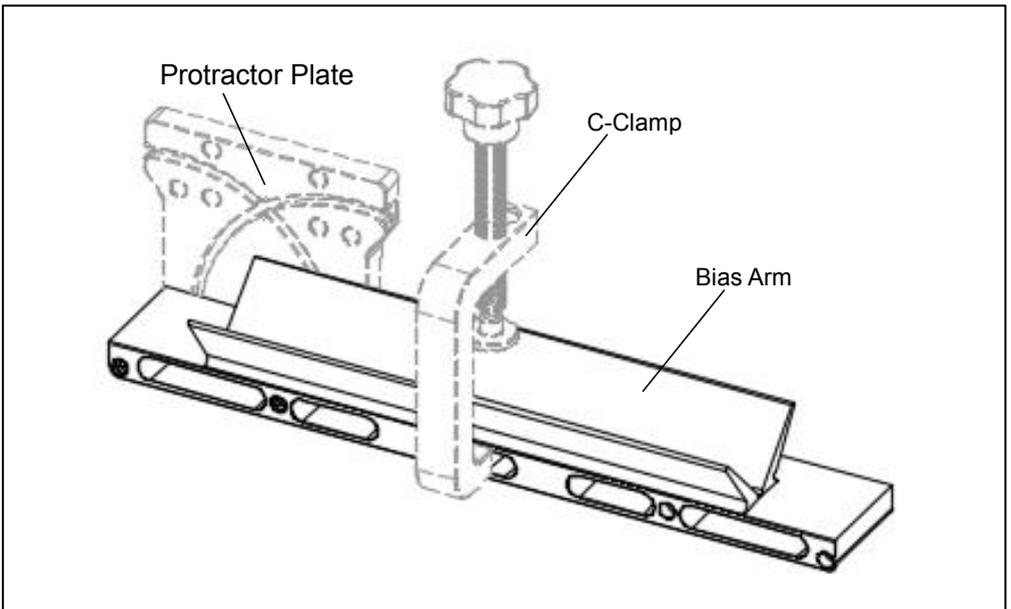


Fig. 14

3.3 Pivot Clamp

The Pivot Clamp is mainly used to secure the workpiece and improve the cutting stability.

- Install the Pivot Clamp as shown in Fig. 15. Note that the bolt head should be seated into the table recessed grooves (underneath). From there, install the clamp, the pivot block and tighten the knob to lock the clamp down. Ensure that the bolt is not protruding underneath the table as this could cause obstruction when making your cut.

Note:

1. There are multiple slots on the table. Choose the slot that works best for securing your work.
2. The Pivot Clamp is not a replacement for the original Trap Jaws. These can be used in conjunction with each other, or for odd shaped pieces of stock. The pivot clamp helps provide additional downward pressure to the workpiece.
3. The Pivot Clamp provides extraordinarily strong clamping force. Applying too much force could potentially distort the Jointmaker table top and damaging the Jointmaker Pro. Use the adequate amounts of pressure to hold your stock to your table surface, but don't overdo it.

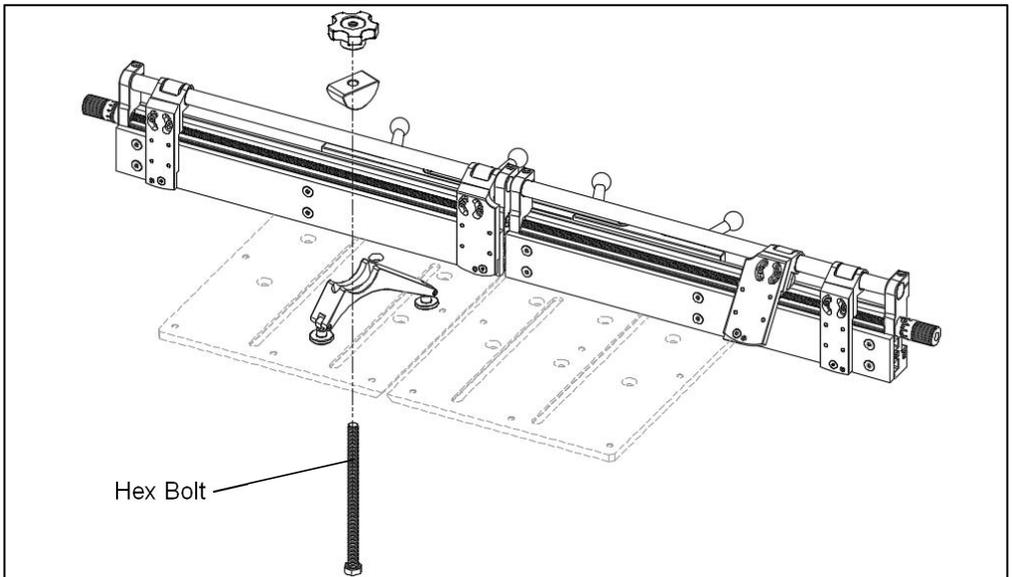


Fig. 15

3.4 Elbow Clamp

The Elbow Clamp is used to secure the workpiece which is installed on the fence base. It consists of a long arm and a rotatable short arm. The increment of the rotation angle of the short arm is 20° . It can secure the workpiece in multiple directions.

- As shown in Fig. 16, install the Elbow Clamp into the mounting hole reserved on the fence base. The elbow clamp can be mounted on either side of the blade.
- The elbow of the clamp allows the clamp to rotate. Loosen elbow knob enough to disengage the teeth, rotate the short arm, align the teeth to ensure that they match up and tighten the elbow knob.

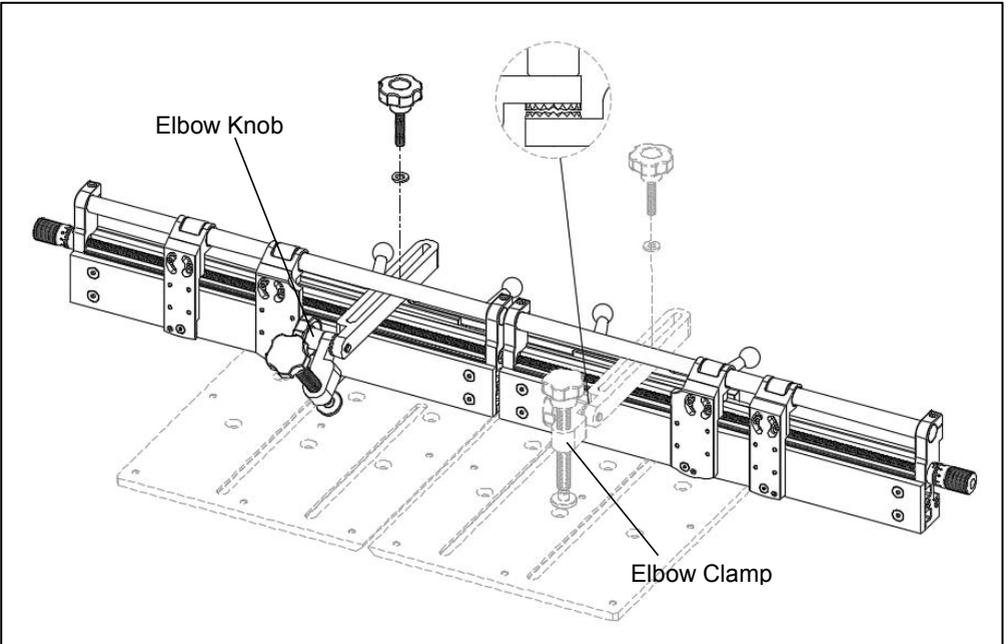


Fig. 16

中文版本

感谢您购买 JMPv2 精密靠山系统。

此说明书包含产品的组装和使用信息。建议您在开始装配之前详细阅读说明书。

此 JMPv2 精密靠山系统需配合手推锯 Jointmaker Pro 使用。如有任何组装或使用问题，请与我们联系。

1. 安装及校准

- 移除 Jointmaker Pro 自带的简易靠山。
- 如图 1 所示，将精密靠山安装在橙色台板上。
- 上提可调位紧定手柄，使用一字起（或十字起）顺时针旋转顶部的螺丝将靠山锁紧，调整手柄位置，便于后续松开和锁紧的操作。

注意：确保六角头螺栓的头部完全嵌入到台板下方的凹槽内。

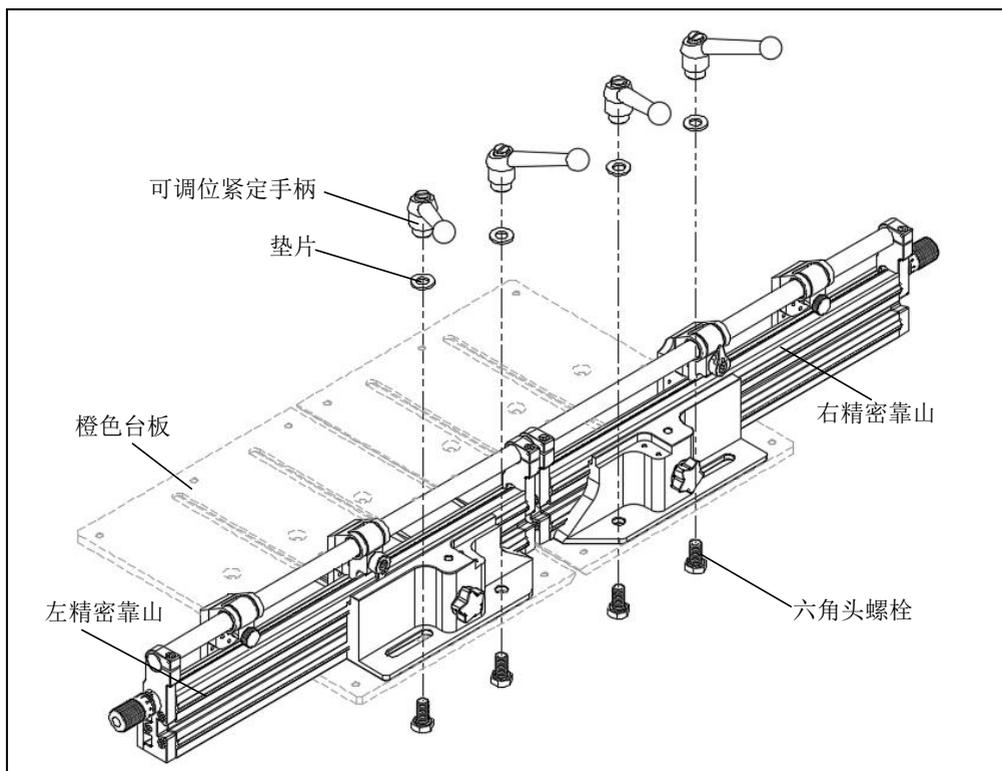


图 1

- 如图 2 所示，松开可调位紧定手柄，将靠山连接板安装至左、右靠山基座上锁紧，为便于安装，安装前松开的可调位紧定手柄，暂不锁紧，便于后续校准。

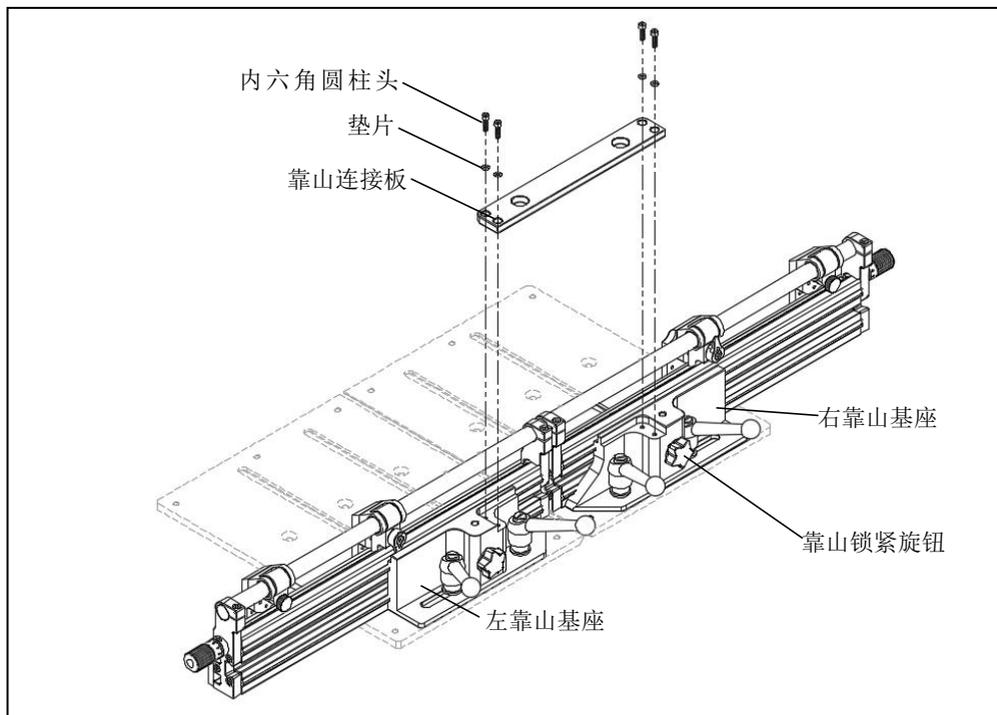


图 2

- 如图 3 所示，使用直尺校准精密靠山，检查左右精密靠山是否共面，若不共面，拧松靠山连接板固定螺丝，轻微移动靠山，使左右精密靠山保持共面，然后拧紧螺丝，完成靠山共面校准。最后锁紧可调位紧定手柄。

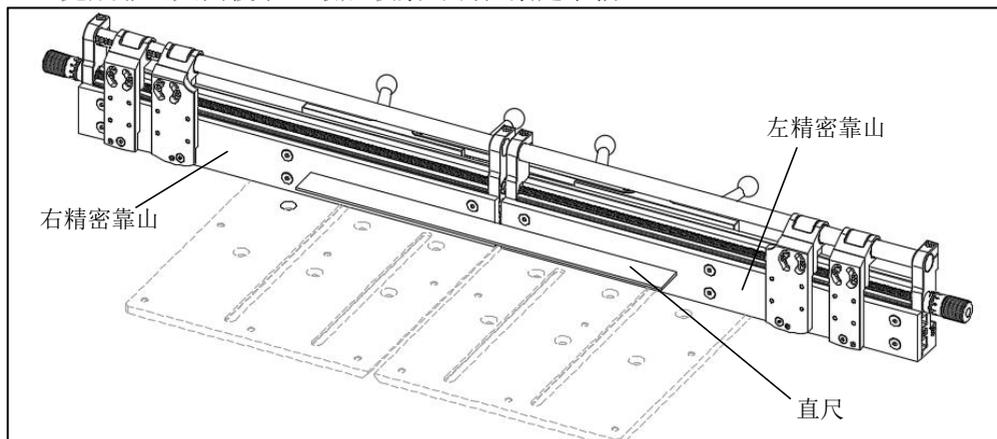


图 3

- 如图 4 所示，移动蓝色限位挡块至靠山靠近锯片的一侧极限位置，并让蓝色限位挡块的底部半牙螺纹与丝杆啮合，（蓝色限位挡块的操作见“操作说明”），检查导向杆“0”刻度是否与蓝色限位挡块的固定座边缘对齐，如存在偏差，拧松导向杆两端的固定螺丝，调节导向杆的位置，然后拧紧螺丝。
- 松开靠山锁紧旋钮，移动靠山，使蓝色限位挡块与锯片轻贴后，锁紧靠山锁紧旋钮。

注意：1. 蓝色限位挡块轻贴锯片时，不能对锯片造成压力并使其产生偏移。

2. 完成安装后，靠山堵头须与锯片有一定的间隙，防止锯切时切割到金属部件，从而损坏锯片，也可能对人身造成伤害。

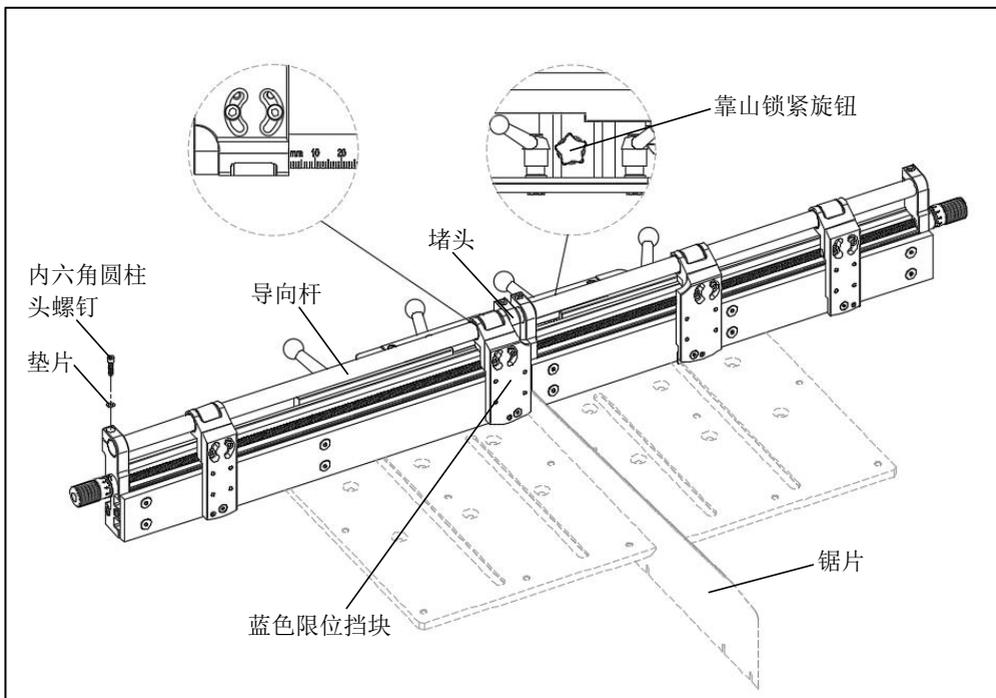


图 4

2. 操作说明

操作部件功能介绍：

靠山锁紧旋钮：用于靠山的锁紧。

微调旋钮：用于蓝色限位挡块位置的微调。

蓝色限位挡块：用于锯切精确定位。

黑色限位挡块：用于锯切辅助定位，通常用于重复定位。

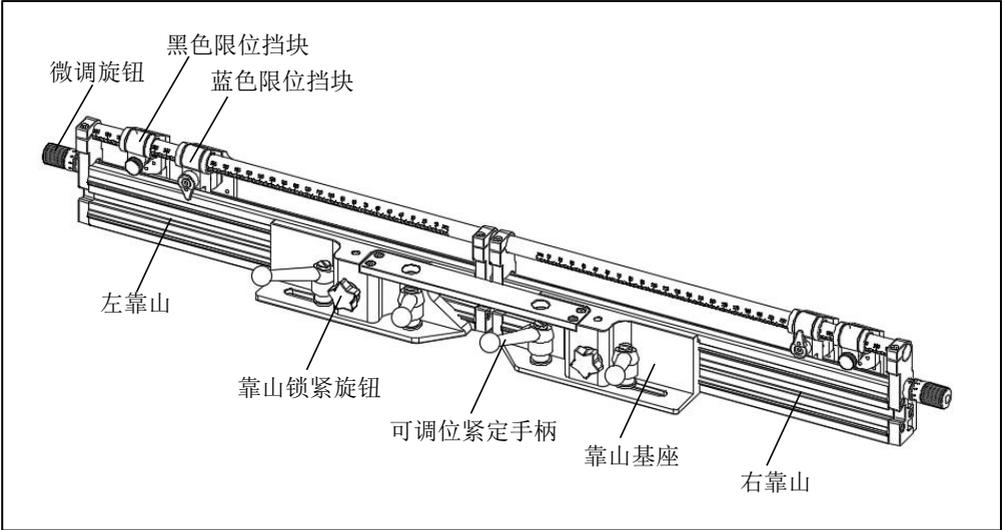


图 5

2.1 限位挡块调整及定位

- 如图 6 所示，转动黑色拨片，让黑色拨片的尖头朝下，使蓝色限位挡块的滑块尾部半牙螺纹与丝杆啮合，此时通过旋转蓝色微调旋钮，可以微调蓝色限位挡块的位置（公制微调增量为 0.02mm，英制微调增量为 0.001"）。转动黑色拨片，让黑色拨片的尖头朝上，向上翻转蓝色限位挡块，可沿导向杆快速滑动。
- 使用微调旋钮调整蓝色限位挡块的位置时，为便于增量的读取，先把刻度环“0”刻度对准标线。堵头上的“+”、“-”标记用来帮助你决定微调旋钮的转动方向。
- 黑色限位挡块主要用于蓝色限位挡块的重复定位，松开限位挡块上的锁紧旋钮，可以自由移动黑色限位挡块，当确定蓝色限位挡块的位置后，移动黑色限位挡块贴紧蓝色限位挡块并锁紧，记忆蓝色限位挡块的位置，可以在该位置进行多次重复定位。

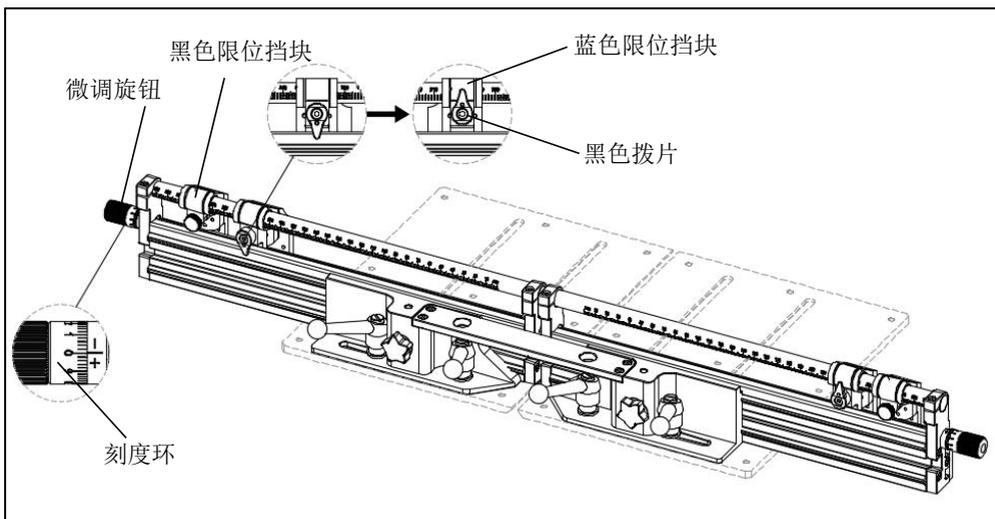


图 6

•如果锯切厚度小于 6mm 的工件，现有挡块无法有效限位，需使用缝隙挡片进行限位。如图 7 所示，松开红色缝隙挡片上的锁紧螺钉，转动挡片使限位挡块底侧靠住工件的一侧成为直角，然后锁紧螺钉即可。

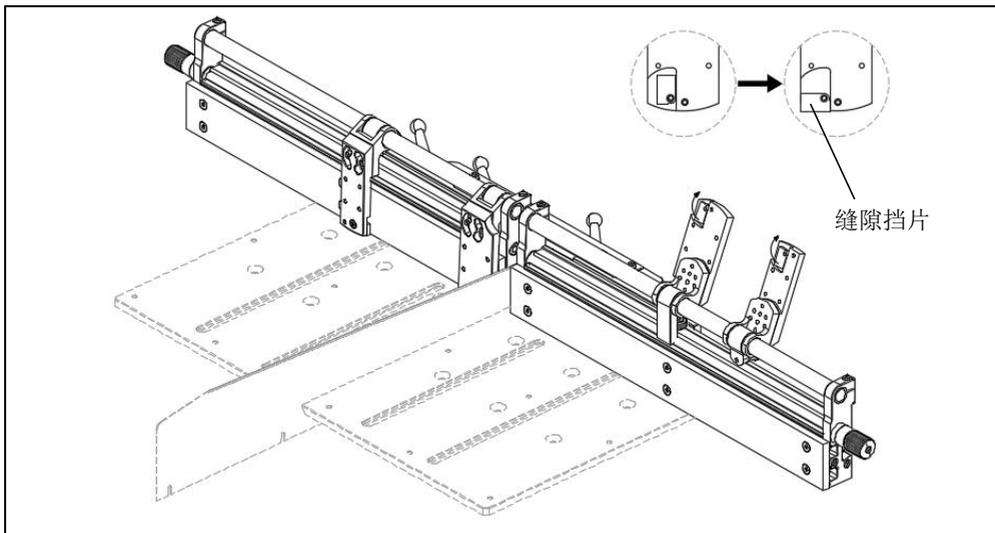


图 7

2.2 使用靠山进行角度锯切

JMPv2 精密靠山系统由左右两个靠山组成，它们既可以通过靠山连接板形成一个整体工作，也可以拆除其中一个靠山，让另一个靠山单独工作。靠山可以摆动一定的角度，进行角度锯切，摆动方式有 2 种。

方式一：单独摆动左靠山或右靠山

如图 8 所示，拆除靠山连接板，松开可调位紧定手柄，可将靠山转动至所需位置进行角度的锯切。

方式 2：靠山整体摆动

如图 9 所示，拆除靠山连接板下方的两个可调位紧定手柄，松开另外两个可调位紧定手柄，可整体摆动靠山，进行角度的锯切（摆动范围 $0^{\circ}\sim 30^{\circ}$ ）。

注意：1. 进行角度锯切时，为避免靠山与锯片干涉，可拧松靠山锁紧旋钮，将靠山左右滑动，避开锯路。

2. 每次重新安装靠山连接板时，均需重新进行靠山的共面校准。

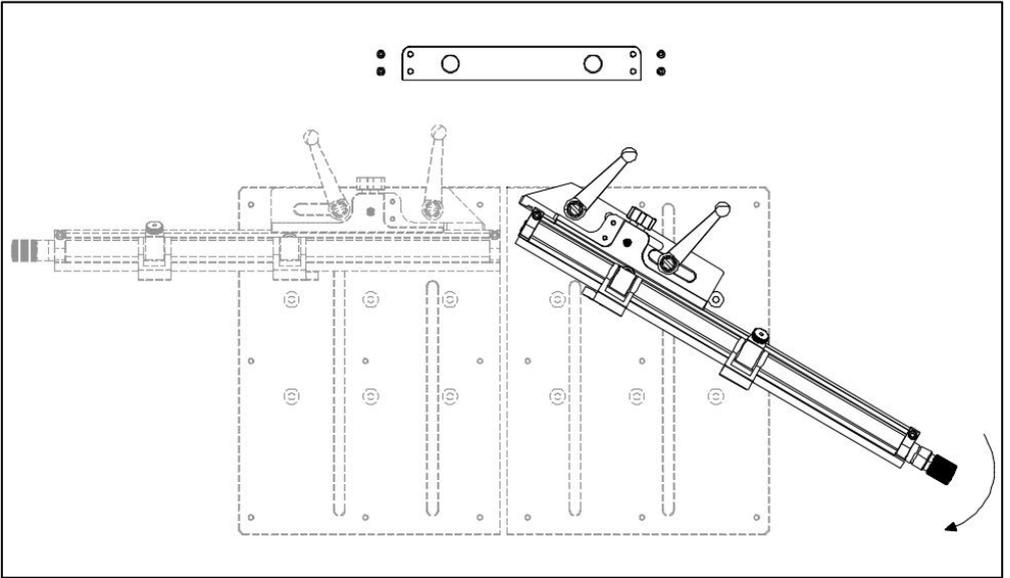


图 8

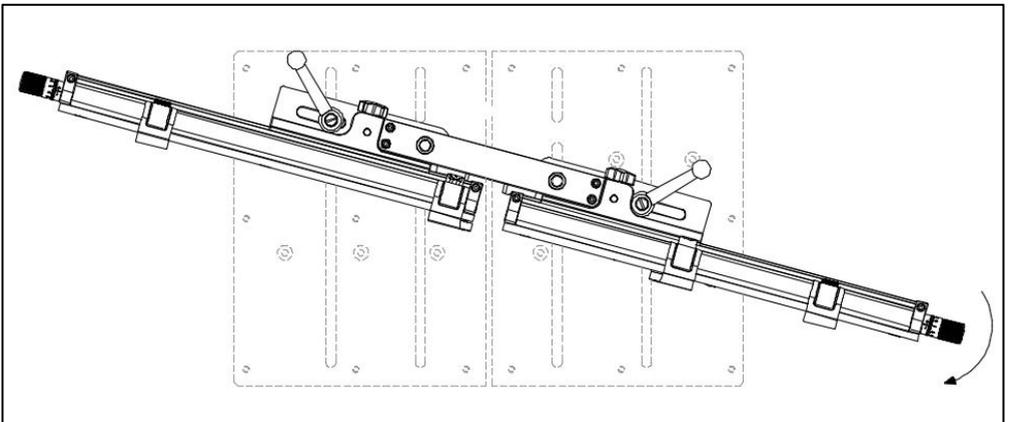


图 9

3. 选配附件介绍

为了满足各种不同方式的锯切,我们为 **JMPv2 精密靠山** 设计了 **4 款选配附件**,该 **4 款选配附件** 均不包含在 **JMPv2 精密靠山** 标准产品中。

• 警告!

在使用推锯进行任何锯切之前,请确保所有的夹具和配件:

1. 不在锯片的锯路上。
2. 被安全固定。

3.1 斜切直靠山 (TJ-PF)

斜切直靠山用于完成多角度 ($0 \sim 90^\circ$) 精细锯切定位,锯切时需使用配套的 C 型夹来固定工件。

斜切直靠山的安装:

- 如图 10 所示,移除靠山滑块上的黑色和蓝色限位挡块。
- 如图 11 所示,将导向滑槽板安装到靠山滑块上锁紧。
- 用六角扳手调节导向滑槽板上面的两个尼龙紧定螺钉,使导向滑槽板垂直于台板。

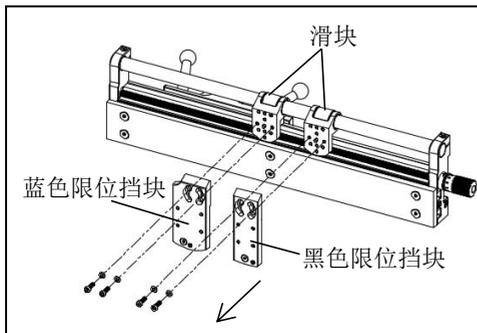


图 10

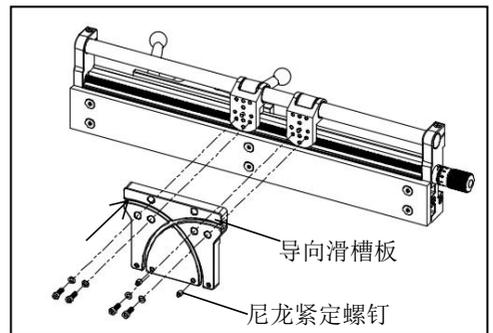


图 11

- 如图 12 所示，将斜切直靠山安装到导向滑槽板上。
- 如图 13 所示，将 C 型夹安装到斜切直靠山的腰槽内。

注意：1. 为了便于安装，可以先把斜切直靠山固定在导向滑槽板上，然后把导向滑槽板固定在精密靠山的滑块上。

2. 斜切直靠山和导向滑槽板可向上翻起，以免妨碍使用另一侧限位所进行的锯切。请确保翻起后被锁紧，避免在锯切过程中掉落。

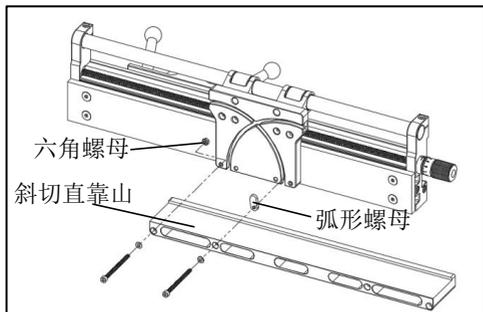


图 12

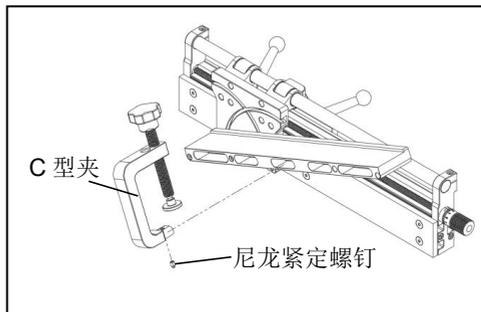


图 13

3.2 斜切 V 型靠山 (BA-PF)

斜切 V 型靠山的用法及用途与斜切直靠山基本一致，主要用于矩形木料固定，进行 $0 \sim 90^\circ$ 的多角度锯切。相较于斜切直靠山，斜切 V 型靠山对矩形木料的夹持更稳定。

•如图 14 所示，斜切 V 型靠山的安装方式和斜切直靠山完全相同，导向滑槽板和 C 型夹借用斜切直靠山。

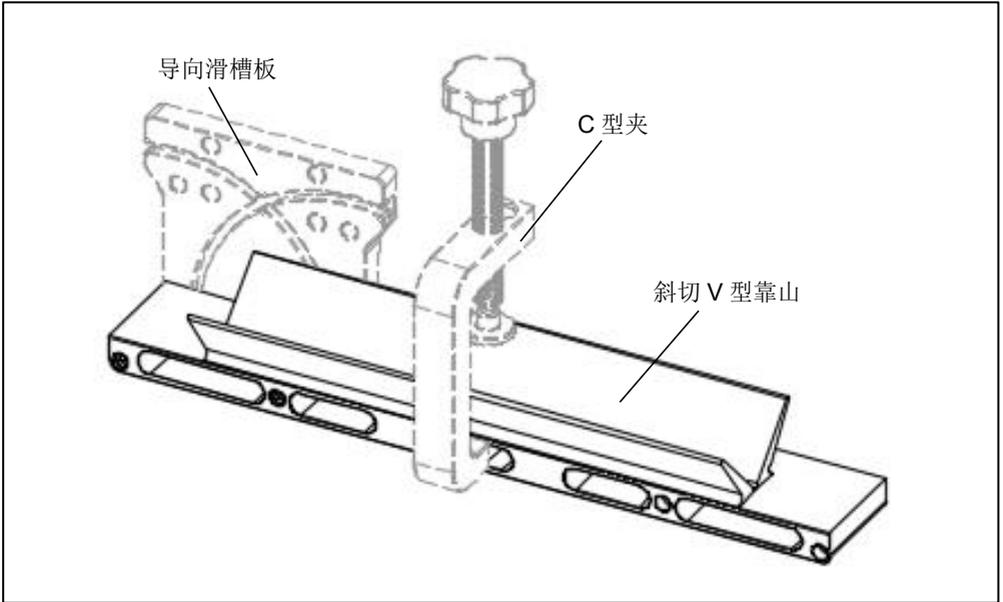


图 14

3.3 压紧器 (PC-PF)

压紧器主要用于木料的压紧，提高锯切的稳定性。

- 如图 15 所示，进行压紧器的安装，注意六角头螺栓头部需嵌入台板下方的凹槽内，且让开锯路。

注意：1. 请选择台板上最适合你锯切压紧的腰槽进行安装。

2. 压紧器不能代替推锯标配的压紧块。它们可以配合使用。

3. 使用尽可能小的扭矩将木料固定到台面上，避免压紧力过大使推锯台面发生变形。

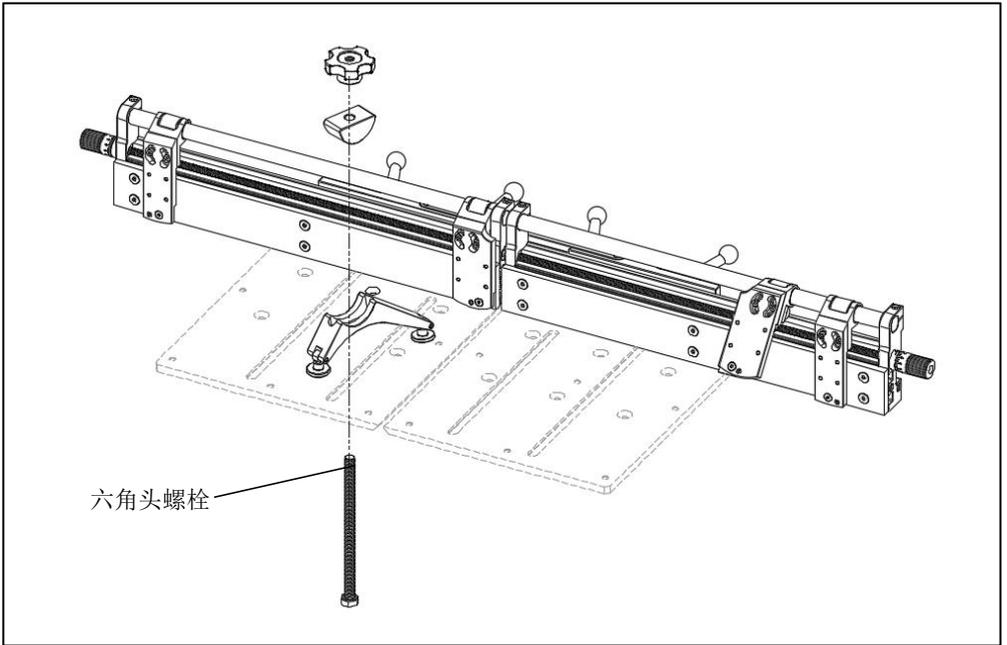


图 15

3.4 肘夹 (EC-PF)

肘夹用于木料的压紧，安装在靠山基座上。其包含一个长臂，及一个可旋转的短臂，短臂旋转角度的增量为 20° ，可进行多方向压紧。

- 如图 16 所示，将肘夹安装到靠山基座上预留的安装孔位，左右两侧的靠山基座上均可安装。
- 肘夹的弯头可以旋转。松开弯头旋钮直至星型卡槽完全脱离，转动弯头夹短臂至所需的角度的，对齐星型卡槽，拧紧弯头旋钮。

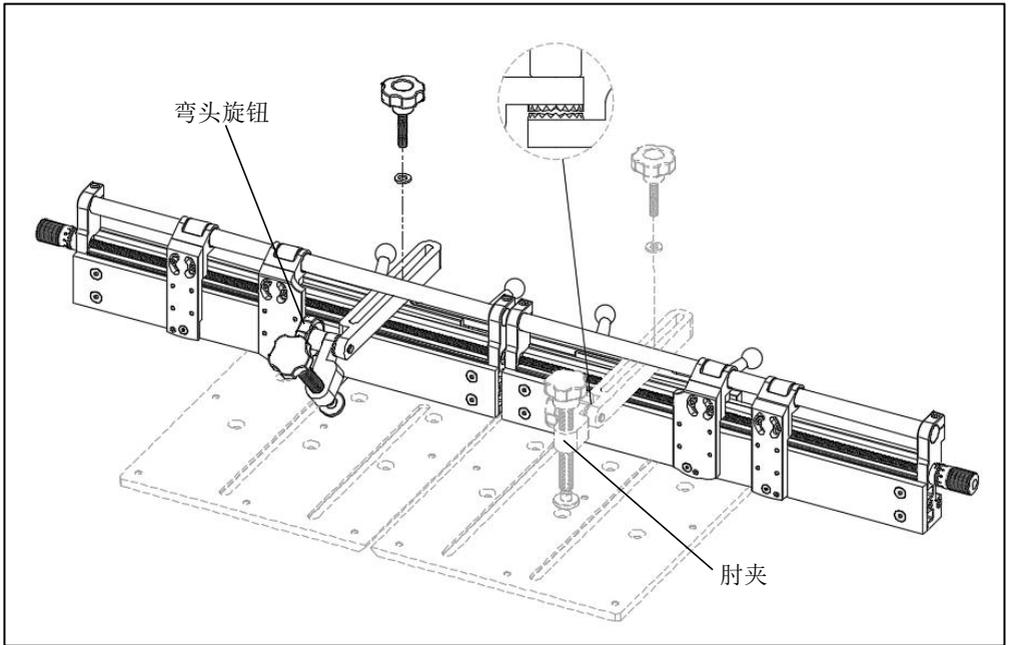


图 16



WARRANTY

All returns, replacements, technical services, and support shall be handled by Distributor' s customer service organization

If there is a defect on the workmanship of the tool (with no fault of the customer) within one year from the original date of purchase, please contact with the distributor' s customer service organization and they will determine whether to repair or replace the tool.

保修

所有退货、换货、技术服务和支持均由经销商的客户服务机构负责。

如果在原始购买日期后一年内发现工具存在工艺缺陷（客户无过失），请与经销商客户服务机构取得联系，并由该服务机构决定是否对工具进行修理或更换。

Bridge City Tool Works
www.bridgcitytools.com