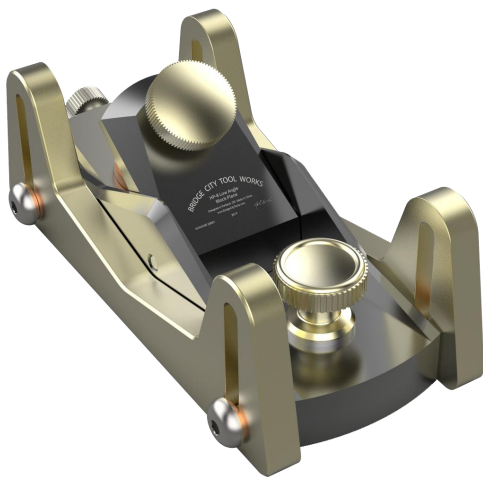


HP-8 Mini Block Plane

HP-8 迷你短刨



BRIDGE CITY TOOL WORKS

HP- 8 Mini Block Plane

Congratulations on your purchase of the HP-8 Mini Block Plane. Please read the following general usage and set-up notes prior to using your new plane.

THE PLANE IRON

The primary bevel is 25° and the final micro-bevel is 30°. Under no circumstances do we advise you to lap or hone the back of the blade during a sharpening session. Lapping the back of the blade will degrade the surface, giving you poor cutting results. We advise you to hone the 30° micro bevel and remove any burrs by stropping on a piece of abrasive paper (8000 Grits) or clean leather.

DEPTH SKIDS

The HP-8 has a set of Depth Skids. These allow you to create accurate small pieces of wood that are the same thickness. The thickest piece of wood you could plane is 13/16" (about 21 mm). To adjust the Depth Skids, use four Pin Gauges of same diameter. (Pin Gauges are a machine shop essential, but are useful for some woodworking tasks. They come in 0.001" increments)

For example, if one need 1/4"(0.25") stock and the determined planing thickness is 0.004". On a smooth clean surface, take four pin gauges with the diameter of 0.254", and lay two under the nose of the plane, and two under the back of sole (near the skids but avoid touching the iron). Loosen the Depth Skids lock screws, and adjust the Depth Skids so they are even on the

table surface, then tighten the lock screws.

After planing the stock for several times and achieving the ideal surface, we recommend flipping the stock and planing again until there is no more cutting. Now, besides getting the 0.25" stock, you make the two surfaces of the stock smooth and clean.

ADJUSTING THE BLADE DEPTH

Adjusting the blade depth is accomplished by rotating the combined feed and lateral adjustment knob. Clockwise rotating the adjustment knob will increase the blade depth, while counter-clockwise rotating decreases the blade depth. The increment of one turn of the adjustment knob is 0.07mm (approx. 0.003").

How to adjust: Loosen the plane iron cap knob, rotate the iron adjustment knob to make the blade edge flush with the sole face. Rotate the iron adjustment knob until you achieve the desired blade depth, then lock the iron cap knob. With no experience, you can do the trial planing progressively by making 1/2 rotations of the iron adjustment knob until you feel the iron just begin to cut. Ideally, the iron will protrude a few thousandths of an inch for a clean, thin shaving.

Finally, this is a precision plane--there is no need to overly tighten the plane iron cap.

CARE AND CLEANING

The beauty of aluminum is that it does not rust.

The stainless steel parts need only to be wiped with rubbing alcohol to remove fingerprints.

We strongly recommend that you coat the iron with a rust-inhibitor (i.e, WD-40TM or Boe-ShieldTM) prior to storage. And remember to clean the rust-inhibitor before using.

The threaded parts of the adjustment knobs should be cleaned and applied regularly with light oil. And the light oil can be evenly coated on the whole thread parts by rotating the adjustment knob while applying.

HP-8 迷你短刨

恭喜您购买了 HP-8。在使用之前，请阅读以下使用说明。

刨刀

刨刀刃口主斜面为 25° ，刃口切削角为 30° 。为保证刨削质量，建议您在使用一段时间后，对刨削刃口进行修磨。我们推荐您只对 30° 刨削刃口进行打磨（可使用 8000 目的砂纸或干净的皮革），绝不建议您对刀背进行任何修磨，因为打磨刀背会降低表面质量，从而影响刃口的锋利程度。

平刨导向板

HP-8 配有平刨导向板。利用平刨导向板可以进行定厚刨削加工，最大定厚厚度为 $13/16''$ （大约 21mm）。

调节平刨导向板可使用 4 只相同直径的的针规（针规是机械加工中常用的量具，其精度可达 0.01mm）来完成。

例如，需要加工出 6mm 厚度的木料，确定刨削厚度约 0.1mm，选出 4 只直径 6.10mm 的针规，放置在光滑平整的平台上，2 只置于喉板下方，另 2 只放在刨底后方，贴近导向板，避开刀具。松开锁紧平刨导向板的螺钉，调至两侧平刨导向板底面与平台平齐后，锁紧螺钉。

在刨削几次获得理想的光滑表面后，建议您翻转木料再进行刨削，直至刨削无刨花产生。此时在加工出 6mm 厚度木料同时，还可获得两个理想的光洁表面。

调节刨削量

刨削量由调节旋钮控制，顺时针旋转调节旋钮增大刨削量，反之减小。旋转一圈调节旋钮，刨削量变化 0.07mm。

调节方法：略微松开刨刀锁紧旋钮，旋转调节旋钮，将刨刀刃口调至与刨子底平面平齐，根据刨削需求，旋转调节旋钮达到所需的刨削量，锁紧刨刀压紧盖即可。如无经验，您可以逐步微调调节旋钮，每次 1/2 圈，进行试刨，直到调节到您满意的刨削量为止。理想情况下，刨刀将会伸出刨子底面极其小的距离，从而达到干净和精确的刨削。

最后，这是一个精密短刨，不需要将刨刀压紧盖锁得过紧。

保养和清理

HP-8 迷你短刨的铝制刨身永不生锈。

不锈钢部件只需用酒精擦拭去掉指纹即可。

刀具建议在使用后涂抹防锈剂，使用前需清理掉防锈剂。

调节旋钮上的螺纹部位需在清理干净的前提下，定期涂抹油脂，并旋转调节旋钮，使油脂均匀涂布在整个螺纹部位。



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