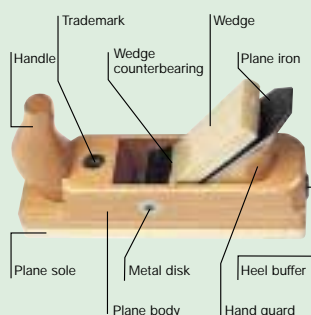


# ULMIA Woodworking tools

### ULMIA planes – technical characteristics



**Plane body** made of steamed red beech, pearwood or white beech depending on the model, with strong, deep, and pointed inclined tothing, glued-on plane sole in white beech or lignum vitae.

**Plane handle and hand guard** made of steamed red beech or pearwood depending on the model,

**ergonomically moulded** for optimum grip, equally suitable for left and right-handers, let into the plane body, tenoned-in and glued.

**Wedge counterbearing** rotatable, allowing shavings to pass freely. Shaft firmly anchored in the plan body by thick round metal plates.

**Heel buffer** made of metal to protect the plane body when resetting the plane iron with hammer blows.

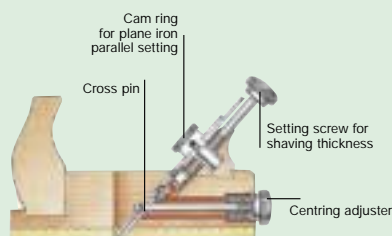
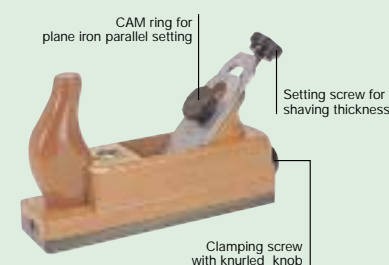
**Plane iron** made of grade one tool steel. All plane irons are sharpened ready for use.

**Wedge** made of white beech, can be detached by lateral pressure without hammer blows.

All planes come with a highly load-resistant surface coating (varnish).

### ULMIA planes – with precision setting

Precision setting using the precision thread permits fast, backlash-free setting of the plane iron / shaving thickness. The heel buffer is no longer required.



#### Mounting the plane iron

1. Insert the eccentric ring in the plane iron slot.
2. Insert the plane iron into the chip box and place the cam ring on the centring adjuster.
3. Turn the cross pin into the plane iron slot by 90° and slightly tighten the clamping screw.
4. Set the plane iron to the required shaving thickness with the setting screw.
5. By turning the cam ring, set or align the plane iron parallel to the plane sole.
6. Tighten the clamping screw again.

#### Removing the plane iron

1. Release the clamping screw until the cross pin can be rotated by 90° in the plane iron slot (do not unscrew).
2. Release the setting screw (for backlash-free adjustment of the shaving thickness) with appr. 5 to 6 turns.
3. Pull the cam ring (for plane iron parallel adjustment) out forward together with the plane iron by gently turning backwards and forwards (1/4 turn).