

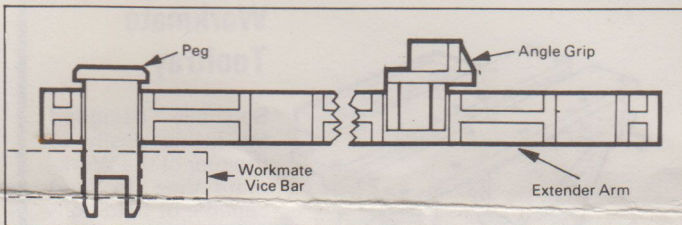
Black & Decker

WM 110 WORKMATE UNIVERSAL EXTENDER ARMS

The WM110 universal extender arms are one of a series of attachments designed and developed specifically for use with the Black & Decker Workmate. These instructions will help you to use them to their fullest extent.

INSTRUCTIONS FOR USE

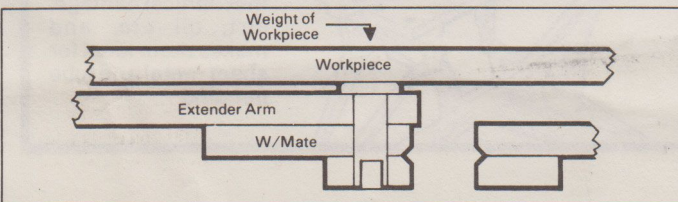
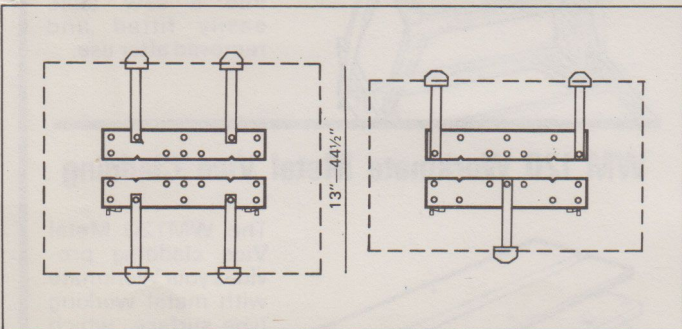
Each of the four universal extender arms are assembled as shown below:-



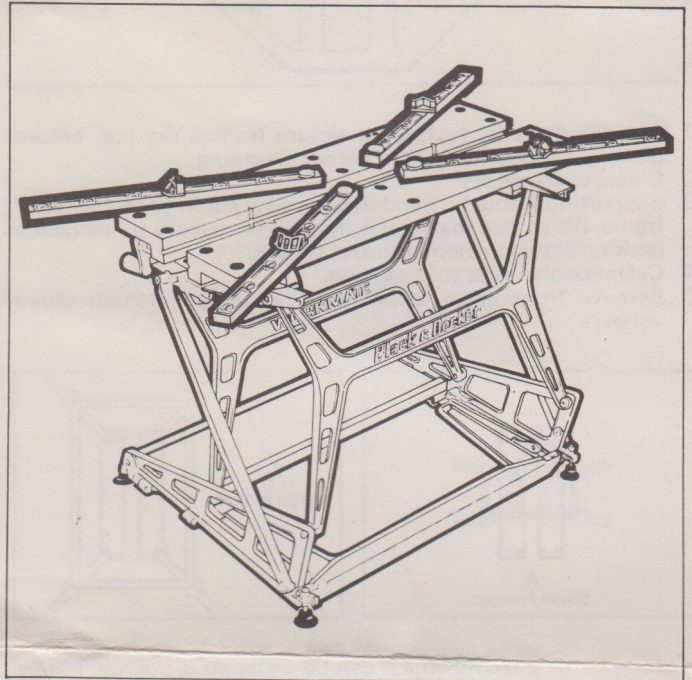
The peg and angle grip can be positioned in any of the seven holes in the arm—the resulting combinations plus the Workmate's vice action give the universal extender arms their great flexibility. The workpiece is clamped simply by operating the Workmate vice.

Sash Cramping

Use 3 or 4 extender arms to hold boards between 10" (250mm) and 44½" (1130mm) wide as shown below:-



The weight of workpieces (except picture frames) must be supported on the flat surface of the plastic pegs.



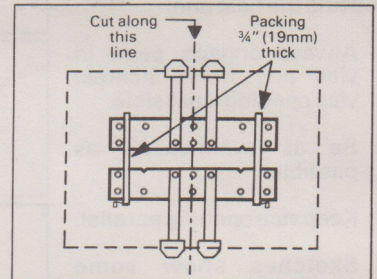
Use with Power Saws

Large sheets of wood over ¾" (10mm) thick and up to 6' x 3' (1800 x 900mm) may be held whilst transverse cuts are made with a powered circular saw (not jig saw).

If the wood is between ¾" (10mm) and ⅝" (15mm) thick then ¼" (6mm) thick packers should be placed between the underside of the wood and the angle grip so that the angle grip does not foul the saw shoe.

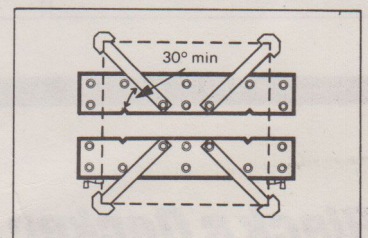
This technique is particularly useful when cutting veneer or melamine faced chipboard. Always use two pieces of ¾" (19mm) packing to prevent saw cut opening at end of cut.

Note — Always ensure that clamping does not close saw cut.



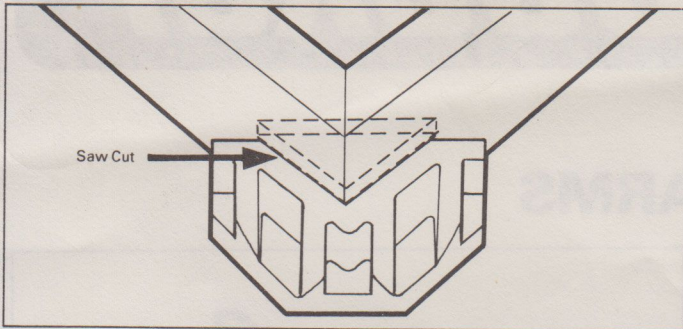
Corner Clamping

1. Open vice jaws fully before setting up.
2. Arrange pegs and angle grips in extender arms and extender arms in Workmate so that corners of workpiece will fit into 90° notches in angle grips as Workmate vice closes.
3. Always ensure that angle between extender arm and vice opening is greater than 30°.
4. If possible ensure pegs engage in holes nearest to vice opening.
5. Keep vice opening parallel.

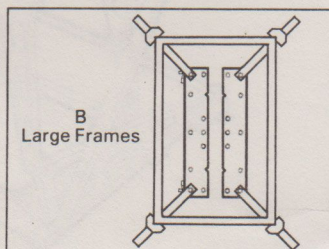
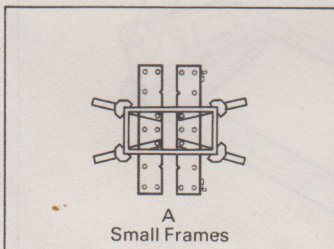


Assembling Picture Frames

Mitred picture frames may be assembled as follows:-



1. Arrange arms by setting up picture frames dry (i.e. before glueing) as described under corner clamping.
2. Clamp up frame dry.
3. Supporting frame by hand make a saw cut in each corner of frame. (With thin material it may be necessary to introduce packing between members and angle grip).
4. Cut piece of veneer to fit saw cut.
5. Remove from arms, apply glue, reclamp, position glued veneers.

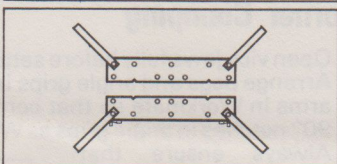
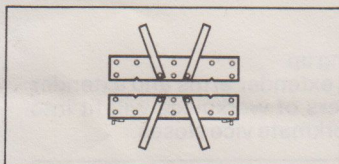
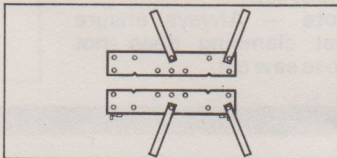
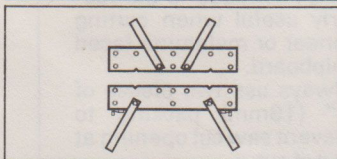
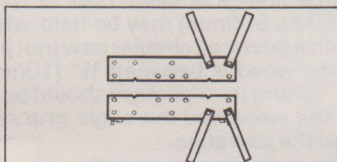


Note — Largest frame which can be clamped is approximately 36" (960mm) x 48" (1280mm) as shown in 'B'. Small frames should be clamped as in 'A'. One dimension of frame must exceed 10"-11" (250-275mm).

Arm Arrangements

Many thousands of arm arrangements are possible and the following rules help you find the best one:-

1. Always engage pegs in vice peg holes nearest vice opening if possible.
2. Be as symmetrical as possible.
3. Keep vice opening parallel.
4. Sketches show some arrangements.



Important

1. WM110 universal extender arms are not designed to support heavy or shock loads.
2. WM110 universal extender arms are not suitable for use with WM125 Workmates.

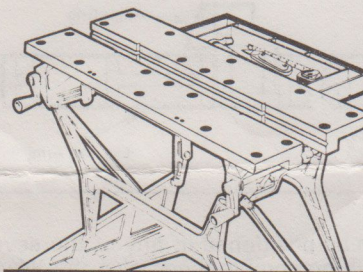
Service

There is a national network of 23 service branches where you can send or bring any Black & Decker tool for repair or servicing. Each is staffed by a team of skilled craftsmen led by factory trained managers. These are backed up by 600 service collection centres which are listed in the Yellow Pages.

Other Workmate Attachments

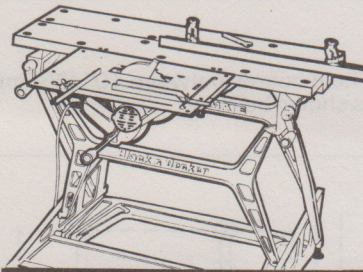
A range of Workmate attachments are now available to give even more versatility to this unique workbench. Ask your dealer today for more details of the range including:-

WM 130 Workmate Tooltray



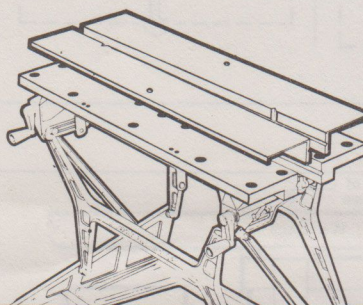
Specially designed for fitting easily to the rear of the Workmate Vice Bar and capable of holding a wide range of tools.

WM 140 Workmate Saw Table



A very useful addition to your Workmate converting it into a saw table easily fitted and removed after use.

WM 120 Workmate Metal Vice Cladding



The WM120 Metal Vice cladding provides your Workmate with metal working type surface, which protects the wooden vice jaws from mechanical damage, dirt, oil etc. and makes them ideal for sheet metal and tube bending.