

# EP4 Solid Profile

WOODWORKING CUTTERS & HEADS



**Eric Paton  
Engineering**

A DIVISION OF WE CAN PRECISION ENGINEERING

The Eric Paton Engineering (A division of We Can Precision Engineering) range of wood cutters and heads is backed with over 30 years of experience in supply to the industry.

All machining and grinding is carried out in the Eric Paton Engineering (A division of We Can Precision Engineering) workshop. The steel employed in their manufacture is of the highest quality and is especially imported.

EP4 cutters give a long economical life with high production runs between regrinds. Cutting and clearance angles give clean finishes at high production outputs.

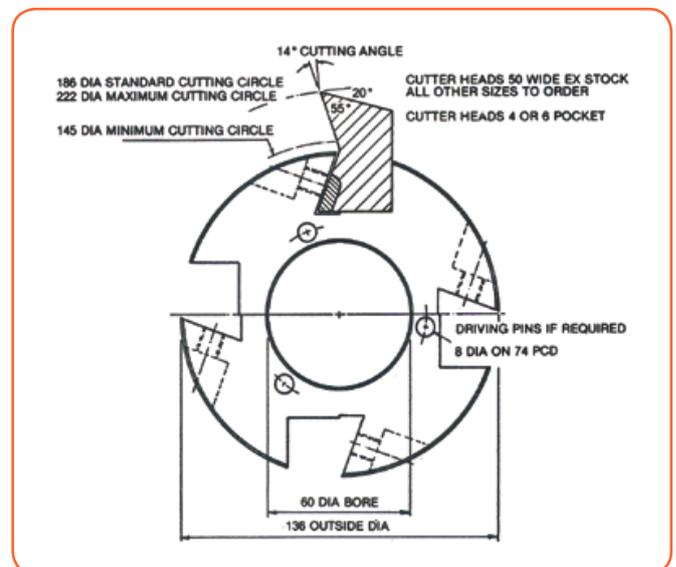
The clamping system employed gives the cutter accurate and rigid location in the cutter head.

Cutters are hardened, tempered and ground all over to close tolerances. The cutter heads are fine machine finished all over to similar tolerances.

Close tolerances on the cutters and heads, together with a ground form profile, ensures accurate location and uniformity of the finished product.

High quality material at the correct hardness ensures long production runs between regrinds. This, together with the large number of regrinds possible, ensures maximum economic cutter life.

Accurately finished cutters and cutter head pockets allow for rapid profile changes with minimum machine down time and fewer heads are required for a larger range of profiles.



EP4 Solid Profile Cutters & Heads



Eric Paton Engineering (A division of We Can Precision Engineering)

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### MAXIMUM CUTTING CIRCLE

This is the largest cutting diameter of a head with cutters which will operate in the machine. The dimension should be available from the machine manufacturer's specification.

### MINIMUM CUTTING CIRCLE

This is the smallest cutting diameter of a head with cutters which will operate in the machine. This dimension would also be available from the machine manufacturer's specification.

### CUTTING ANGLE

The cutting angle has been determined to produce the most effective cutter possible, when all conditions and requirements are considered and should not be altered. Any alteration could change the cutting characteristics and the profile shape of the moulding produced.

### SHARPENING

For best results, a proper tool and cutter grinder should be used for sharpening woodworking cutters. To ensure maximum accuracy, they should be ground in the head normally operated in.

Grinding of the cutters should be done systematically, and only be carried out on the cutting face. On no account should the pattern section be ground or 'touched up'.

### ORDERING

Simply call Eric Paton Engineering (A division of We Can Precision Engineering) to discuss your requirements.

In most instances we can establish the cutters and heads you need by asking a few question.

If you have some, or all of the following information, it will speed up the process. If you don't, it doesn't matter – we will work out exactly what you need.

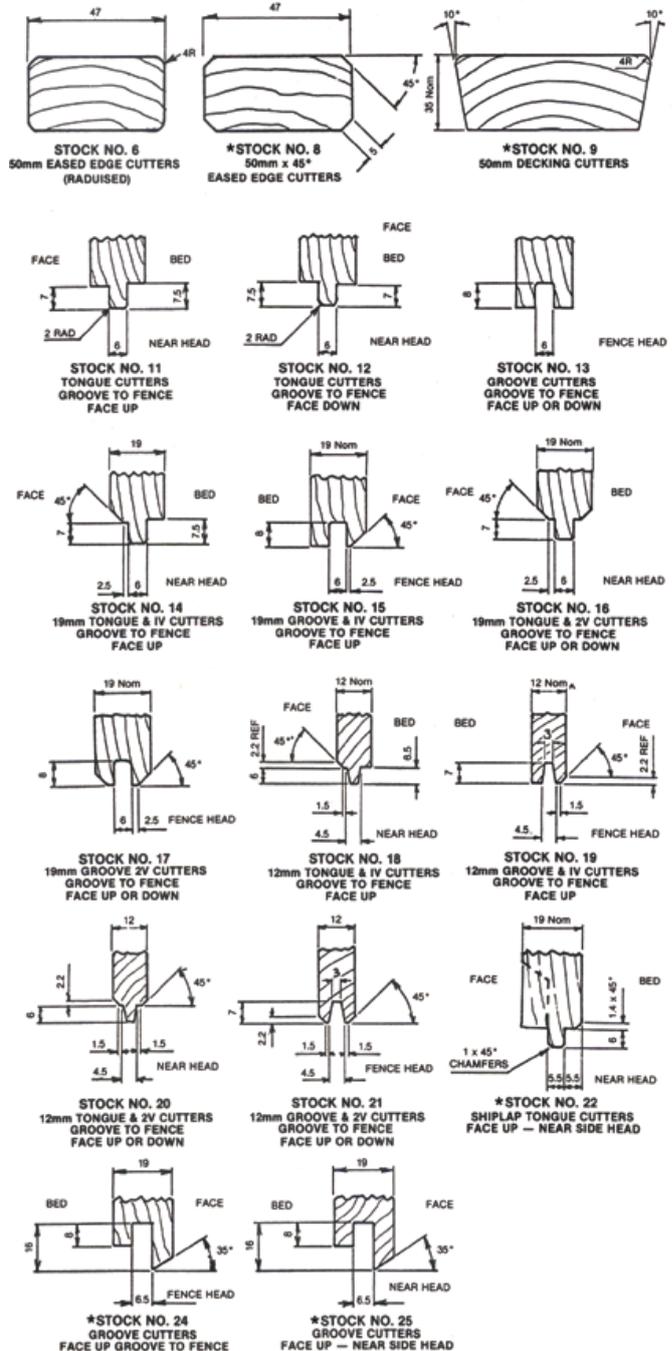
### CUTTERHEADS

1. Make and type of machine.
2. Machine spindle size.
3. If applicable details of sleeves and or collars.
4. Minimum cutting circle.
5. Maximum cutting circle.
6. Number of cutter pockets per head, 2, 4 or 6.
7. If applicable, details of driving pins.

### CUTTERS

1. Catalogue number.
2. Minimum cutting circle.
3. Maximum cutting circle.
4. Timber used – size and species.
5. Number of cutters required.
6. Face up or face down.
7. Which side to fence.
8. Timber profile details (e.g. sketch or sample).
9. Required number of profiles to be run at same time.

## MOST CUTTERS TO PRODUCE THESE MOULDINGS ARE AVAILABLE EX STOCK (\*MADE TO ORDER)



### TYPICAL RANGE OF SPECIAL MOULDINGS SUITABLE FOR SOLID PROFILE CUTTERS

