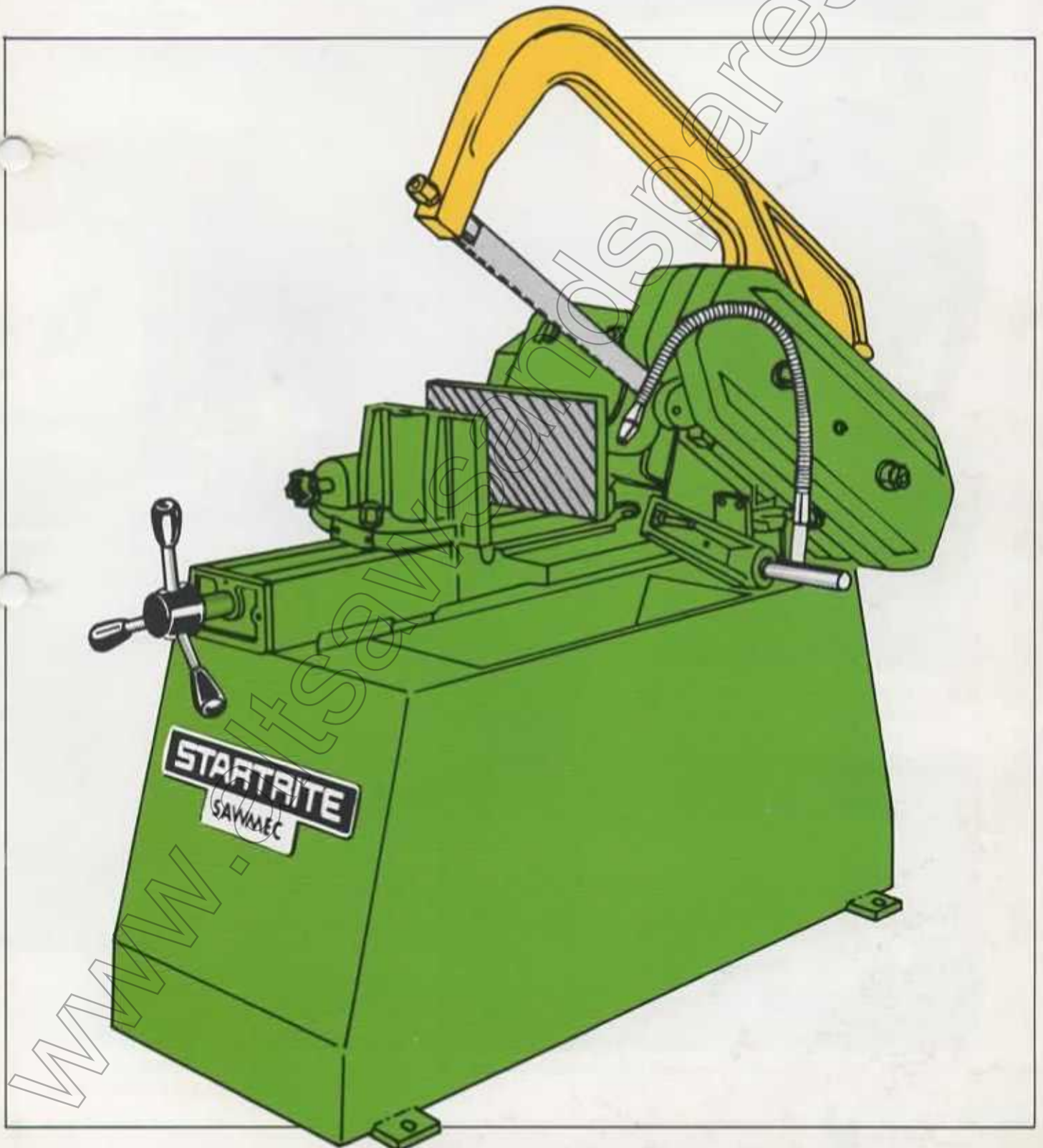
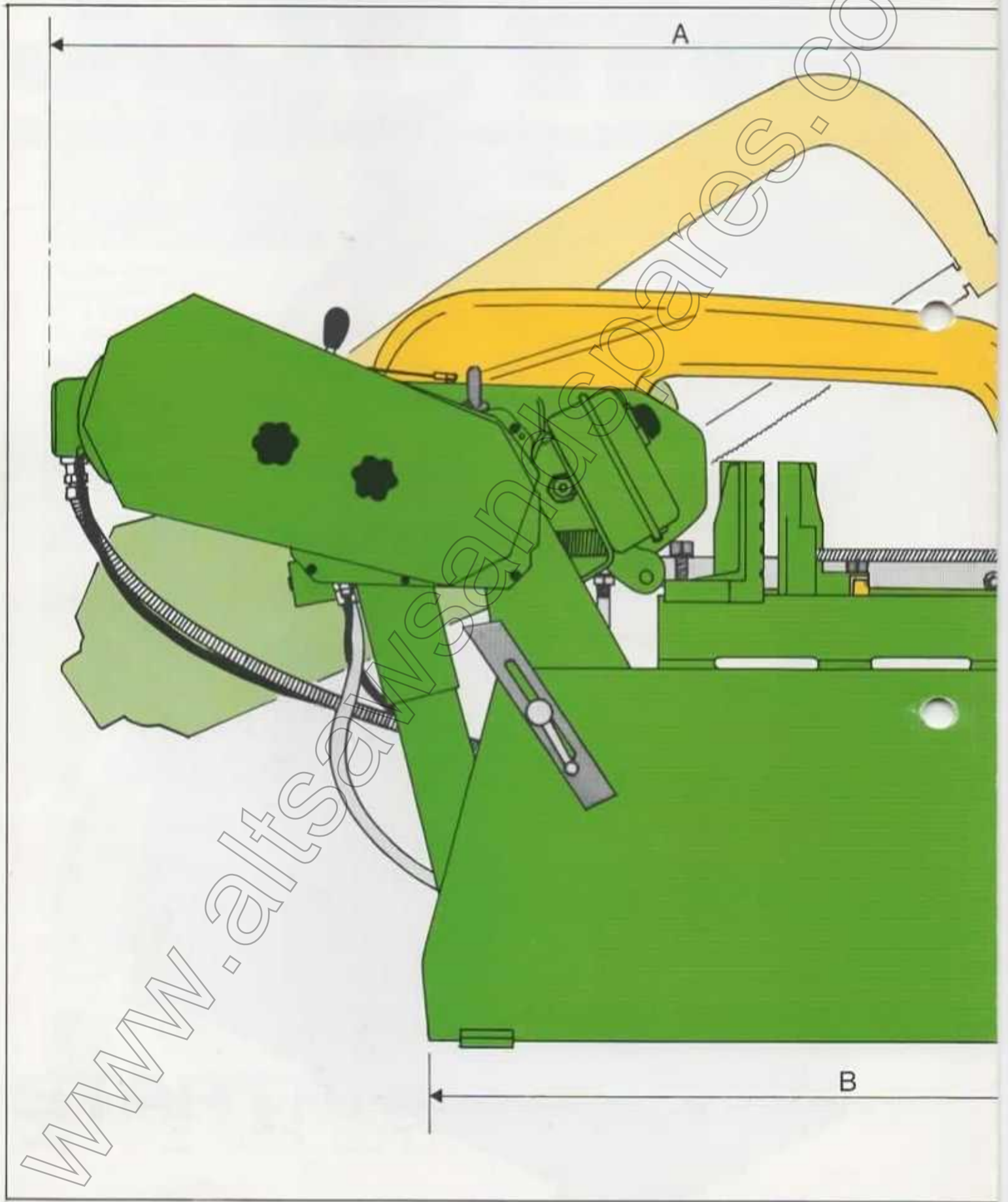


# STARTRITE SAWMEC

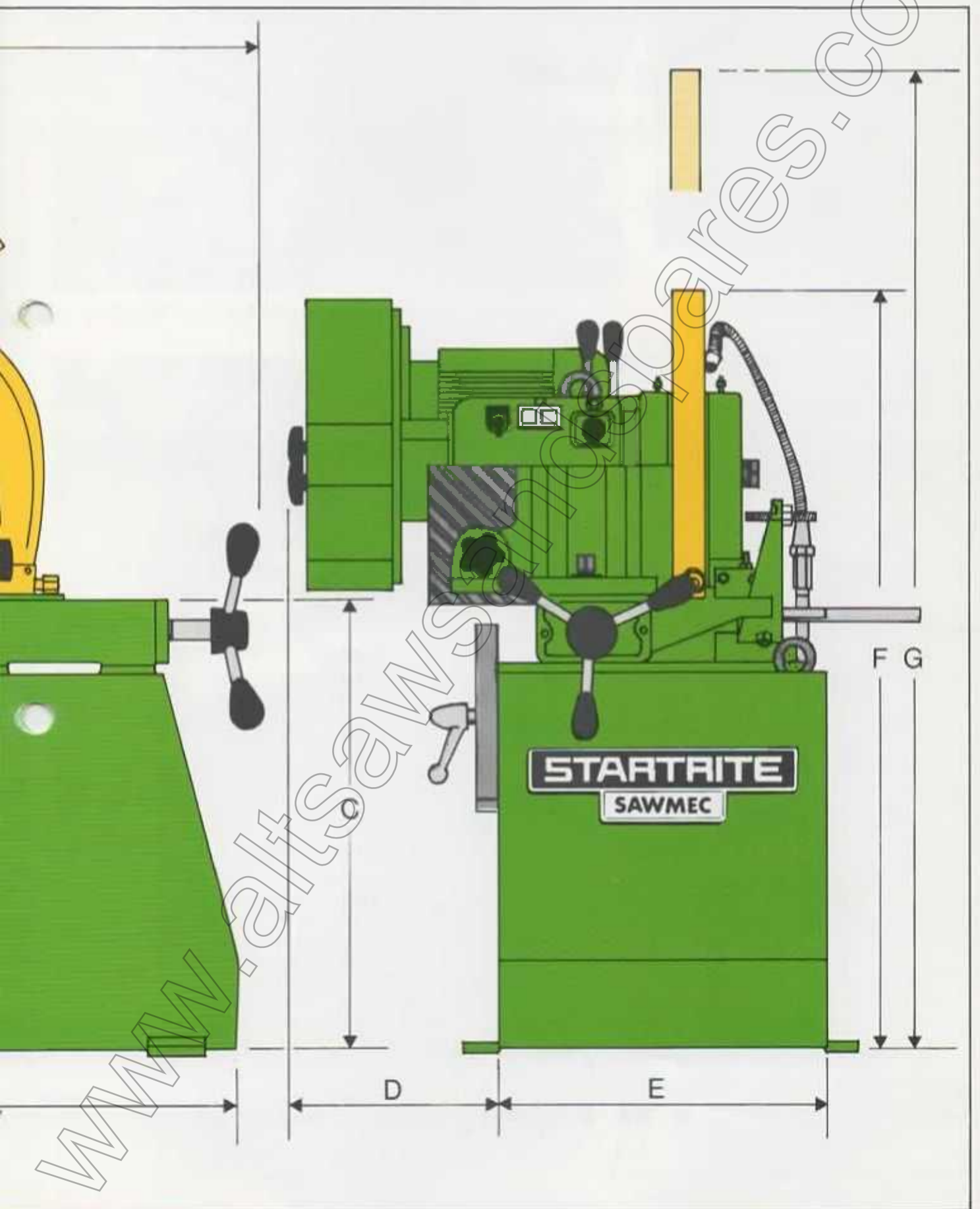
Hydraulic hacksawing machines. Models MSH 230 & MSH 280



# Feed controls give



# e long blade life.



## Adjustments allow same blade to serve for many jobs

This robust machine has been designed to produce fast and accurate cuts in all types and sizes of material within its capacity - without the need to change the sawblade.

### Hydraulic feed

Independent control of feed rate and feed pressure allows the operator to select the correct conditions for each job. For example, light gauge mild steel tube will require a light pressure but moderate feed rate: large stainless steel solid bar will require a high feed pressure and low feed rate. The Startrite Sawmoc can use the same 6 TPI blade for both of these extreme cutting conditions.

### Sawframe

The cast-iron sawframe is supported between two induction-hardened guide plates of massive thickness, ensuring accuracy and rigidity. Long working life is assured by a metered one-shot lubrication system, operated automatically at the completion of each cut.

### Transmission

A three-speed drive system through vee-belt and pulley with reduction gearbox running in oil bath gives a selection of cutting strokes per minute, suitable for various materials. The return stroke is accelerated to reduce non-cutting time and the sawblade is lifted to avoid back-rubbing of the teeth.

### Machine functions

At completion of cut the sawframe will stop in the lower position and may be elevated to any desired height by rotating a spring loaded switch lever on the control panel. This system allows the most flexible use of the machine for jobbing work. With the control switch in an alternative position, the sawframe elevates after completion of cut to a pre-set height for production sawing.

## Dimensions

	MSH 230	MSH 280
A	1410mm 55.5"	1410mm 55.5"
B	965mm 38"	965mm 38"
C	515mm 20.25"	515mm 20.25"
D	250mm 10"	250mm 10"
E	400mm 16"	400mm 16"
F	860mm 34"	965mm 38"
G	1220mm 48"	1270mm 50"

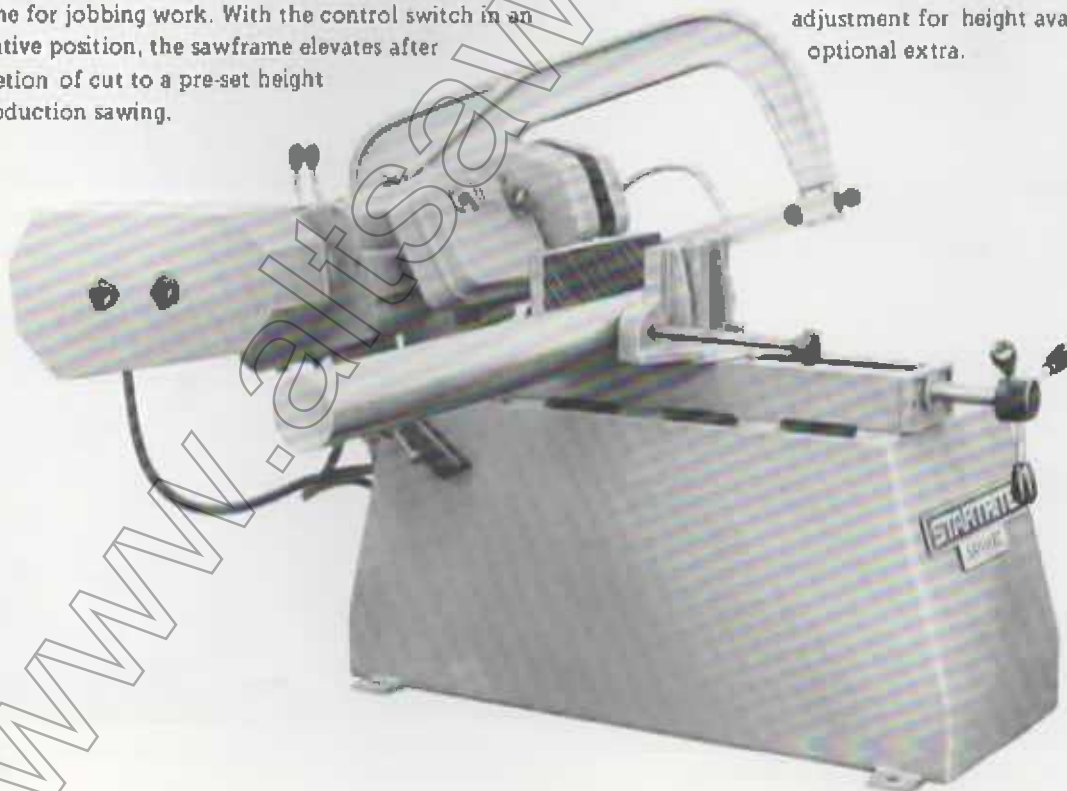
## Technical data

Cutting capacity	MSH 230	MSH 280
Dia meter	230mm 9"	280mm 11"
Rectangular	230 x 170mm 9" x 6.7"	280 x 190mm 11" x 7.5"
at 45° dia.	180mm 5"	150mm 5.9"
Number of speeds	3	3
Cutting stroke per min.	48/90/125	48/90/125
Length of blade	400mm 16"	450mm 18"
Motor HP	2	2
Coolant pump H.P.	0.10	0.10
Approx. weight	350 kg. 770 lbs.	400 kg. 880 lbs.

Note: Inch sizes are approximate only.

Motorised to operate on 415 volts, 3 phase, 50 hz complete with coolant pump, push button main starter with no volt and overload protection, necessary tools and instruction manual.

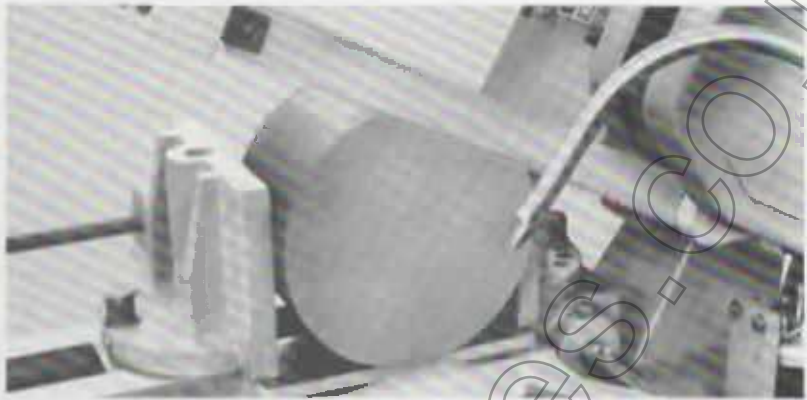
Material support stand with roller and screw adjustment for height available as optional extra.



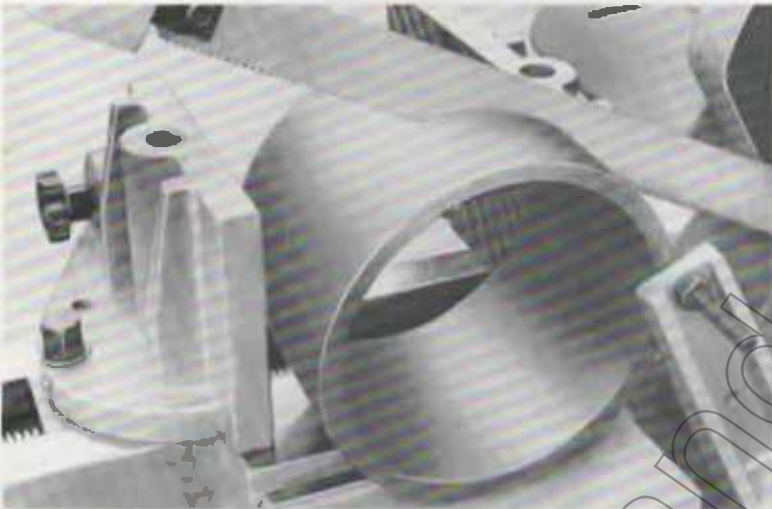
# Sawmec features



Feed rate and pressure controls allow one blade (6 TPI) to be used for almost every type, size and section of material to be cut.



Hydraulic cylinder and pump, the heart of the machine, provide accurately controlled positive feed to the saw.



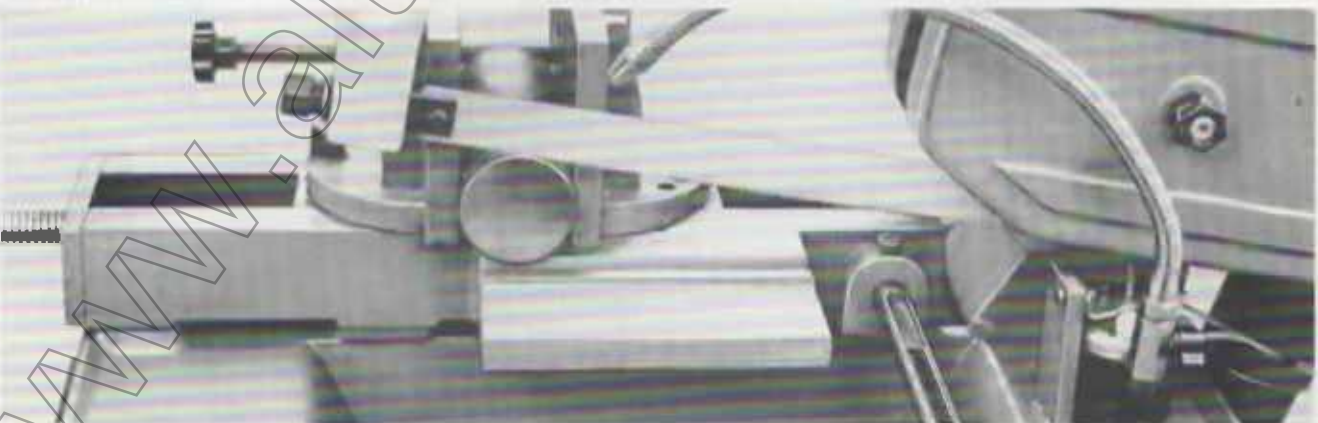
The saw frame is supported by induction hardened cast-iron guide plates for greater accuracy and rigidity.



One-shot metered lubrication operates automatically at the completion of each cut ensuring that the correct amount of oil is supplied regularly to the guide plates for long trouble free working life.

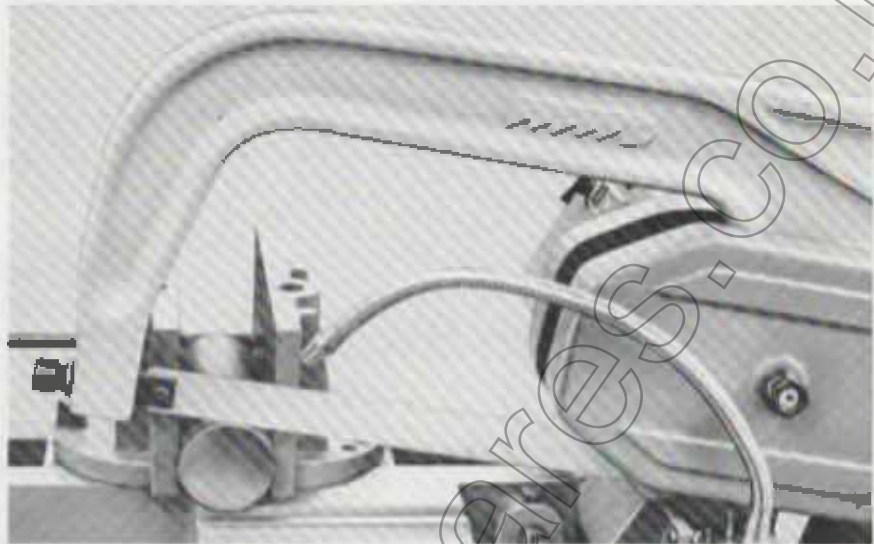


Coolant is supplied from an electric pump mounted in the base, which acts as a reservoir. Coolant flow is controlled by tap and directed to the work through a semi flexible pipe.





Vice jaws, showing location pin for positive location at 90°, 15°, 30° and 45°. A screw jack facilitates cutting from short pieces.



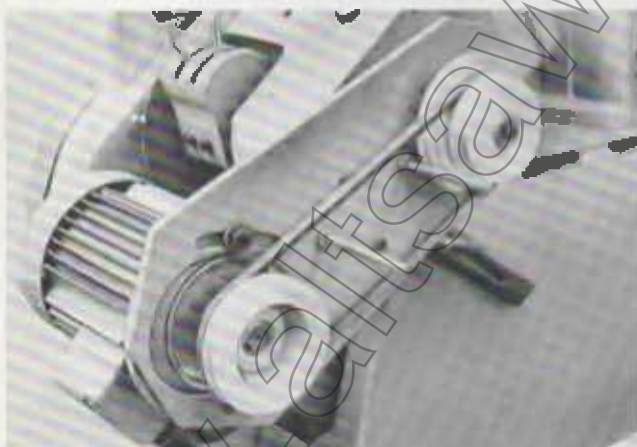
The jaws may be positioned at any point along the vice bed so that all blade teeth can be utilised, so maximising blade life.



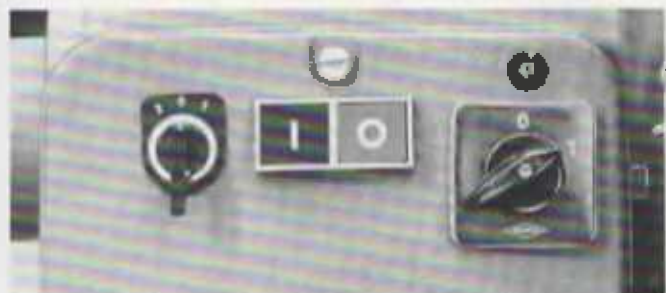
End stop with scale for easy adjustment of cut length.



Height of sawframe return is easily adjusted to reduce waste time on the next cut to a minimum.



Three-step pulleys allow suitable speed to be selected for the material to be cut. Precision-cut gears run in oil-filled, totally enclosed, gearbox for reliability and long life.



The electrical control panel, showing switch allowing machine to stop at completion of cut. By holding the switch lever at position 1, the sawframe will elevate and when required height is reached switch lever is released. For production cutting the lever is set at position 2 allowing the sawframe to elevate automatically at completion of the cut to a pre-set height. This arrangement provides the best conditions for both jobbing work and production sawing.

# STARTRITE

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QWHP 11/83