

Sedgwick TESH Tenoner



Ease of operation

Taking only minutes to set up, the Sedgwick TE/TESH is easy to use and accurate in operation. Work is positioned on the rolling table against an end stop and a fence and is secured by a cam action clamp. Its end is then passed between two vertically mounted cutterheads which machine the top and bottom cheeks of the tenon. The tenon width is set by raising or lowering the top motor, and its position on the timber by raising/lowering the two motors in tandem. Variations in shoulder length are set using the rule on the end stop, and staggered tenons are achieved by simple handwheel adjustment of the top motor, again reading from a rule.

Versatility

Each cutting head has provision for profile knives to enable the operator to match the cross section of the components being jointed. Alternatively, the optional scribing head provides improved accuracy, ease of setting, and finish. Stepped tenons, splayed tenons, scribed tenons, double tenons, and multiple bridles are all possible on this versatile machine. Combinations of 90 degree and bevelled cutting discs with appropriate spacers can also be fitted to produce interleaved joints as used in sash window construction.

Construction

The Sedgwick TE/TESH is designed and built to withstand continuous production use. Its cast iron base, column and slideways provide a rigid and durable mainframe assembly, and the 2.2Kw motors

supply ample power. The generously proportioned cast iron sliding table is mounted on bearing equipped hardened steel rollers for minimum wear, and cutterhead slide movements are easily adjusted on dovetail slides for ease of maintenance.

Safety Features

The TE/TESH offers all of these safety features as standard:

- Automatic braking
- Starters with thermal overload, no volt release protection and lock off emergency stop switch.
- High performance lightweight cutter blocks with chip limiting devices
- Large diameter dust extraction outlets
- One-piece front cutter guard
- Front & rear table guards

Technical Specification

TIMBER CAPACITY	130x310mm
TIMBER CAPACITY WITH FENCE @ 45°	130x250mm
MAXIMUM LENGTH OF TENON	155mm
MAX. LENGTH OF TENON 2 PASSES	205mm
VERTICAL ADJUSTMENT OF BOTTOM CUTTERBLOCK	0 – 60mm
VERTICAL ADJUSTMENT OF TOP CUTTERBLOCK	0 – 120mm
HORIZONTAL ADJUSTMENT OF TOP CUTTERBLOCK	+/- 32mm
TABLE SIZE	800x310mm
TABLE WORKING HEIGHT	860mm
MAIN CUTTERHEADS	2 x 175 x 60mm Each with 4 shear cut replaceable knives, 2 spur cutters, and provision for 2 scribing cutters and chip limiters
DUST EXTRACTION OUTLETS	2 x 150mm
VOLTAGE / FREQUENCY	3 PHASE + EARTH 400/230V – 50/60Hz 1 PHASE + EARTH 230V / - 50/60Hz
MOTOR RATING	3 PHASE 2.2Kw (S6 40%) 1 PHASE 2.2Kw (S6 40%)
MOTOR FULL LOAD CURRENT IN AMPS	3 PHASE 4.75A 1 PHASE 13.1A
STARTING CURRENT IN AMPS	3 PHASE 35A 1 PHASE 84A
REQUIRED FUSE SIZE	3 PHASE 20A/ph 1 PHASE 40A
REQUIRED CABLE SIZE	3 PHASE 4mm2 1 PHASE 6MM2