

HEAVY DUTY CARRIAGES

CQ53 CQ72

STENNER HEAVY DUTY CARRIAGE RANGE

OVERVIEW

The Stenner range of fully mechanised heavy duty carriages combine strength and durability with sawing accuracy and ease of operation.

A single operator controls the whole primary breakdown operation from Log Infeed to Outfeed Conveyor to produce the product required.

The Stenner Heavy duty Carriage range is designed and produced with the length of carriage, number and spacing of Roadblocks arranged to the requirements of the individual sawmill.

CHASSIS

The chassis comprises of two rolled steel channel main members with end members and cross bracing where necessary. A centralised lubrication system is fitted as standard to the chassis which controls the major lubrication points on the carriage, reducing time spent on maintenance.

SLIDE, AXLE & TRACK

The headblock slide is a welded steel fabrication deep section for maximum strength. Wear strips are fitted to the slide to support the timber protect sideways. The setshaft is supported bearings on each headblock slide.

The axle is a large diameter static shaft clamped onto position on the underside of the headblock slide forming a rigid unit that transmits all the loading and turning forces directly through the track and foundation thus eliminating chassis distortion.

The axle wheels, Plain (front) and Vee (rear) contain 2 spherical roller bearings designed to withstand the forces associated with heavy duty timber production together with ease of maintenance.

The track comprises of 2 heavy bridge section rails, plain and vee, complete with rail chairs and

fixing bolts. As with the carriage itself, the track and foundation are tailored to the requirements of the individual sawmill.

HEADBLOCK KNEE

The headblock knee is an all-steel welded fabrication that provides support for the dogging gear and stability to withstand the forces encountered during log loading and turning. The knee slideways utilise renewable bearing material for prolonged life and are centrally lubricated for ease of maintenance.

SETWORKS & OFFSET

The setworks on the heavy duty carriages is a digital micro-processor system. This system controls the hydraulic drive to the setshaft which gives headblock setting speeds of up to 250 mm/sec. The offset is also controlled by the micro-processor digital setworks. A pantograph catenary system for the control of the carriage setworks is supplied as standard.

DOGGING GEAR

The standard dogging gear on this range of carriages is hydraulically controlled with 2 position transverse adjustment, independent control of vertical movement and dog lock.

STENNER HEAVY DUTY CARRIAGE RANGE

OPTIONAL EXTRAS

FLIPPERS

Independent remote control hydraulic outward flippers located on the headblock slides.

TAPERSET

Individual remote control taperset gear on any headblock enabling the operator to achieve a greater yield from the timber.

ASSOCIATED EQUIPMENT

FEEDGEARS

HFG6

Hydraulic feed gear giving carriage speeds of up to 150M/Min (500Ft/Min).

EFG

Electronic feed gear giving carriage speeds of up to 120M/Min (400Ft/Min).

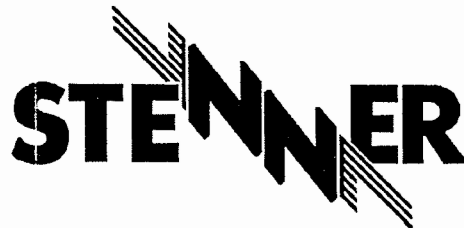
LOG HANDLING

The productive capability of the heavy duty carriages can be attained only by the use of mechanised log deck equipment, including log hauls and log kickers, live log chains and decks, log chain turners and independent pusher arms. An efficient outfeed conveying system is also recommended to attain the maximum productivity of the heavy duty carriages and can be supplied to the requirements of individual sawmills.



STENNER HEAVY DUTY CARRIAGES

| DESCRIPTION | CQ53 | CQ72 |
|----------------------------------|------------|------------|
| NUMBER OF HEADBLOCKS | 3, 4, 5 | 3, 4, 5 |
| MAXIMUM HEADBLOCK OPENING | 1350mm | 1800mm |
| MAXIMUM RECOMMENDED LOG DIAMETER | 1500mm | 2000mm |
| MAXIMUM SQUARE DOGGED | 1320mm | 1520mm |
| NOMINAL CARRIAGE SLIDE HEIGHT | 650mm | 650mm |
| OVERALL CARRIAGE WIDTH | 4000mm | 4400mm |
| OVERALL CARRIAGE HEIGHT | 2950mm | 3100mm |
| DOG OPERATION | HYDRAULIC | HYDRAULIC |
| SETWORKS OPERATION | HYDRAULIC | HYDRAULIC |
| LOG FLIPPER OPERATION | HYDRAULIC | HYDRAULIC |
| LOG TURNER OPERATION | HYDRAULIC | HYDRAULIC |
| TAPERSET OPERATION | HYDRAULIC | HYDRAULIC |
| OFFSET OPERATION | ELECTRONIC | ELECTRONIC |



STENNER

Stenner has a policy of continuous improvement and development, specifications are subject to change without notice. The company accepts no responsibility for discrepancies in specifications or illustrations contained in its publications.

STENNER LIMITED SAWMILLING MANUFACTURERS
 BLUNDELLS ROAD, TIVERTON, DEVON. EX16 4JX UNITED KINGDOM.
 TEL : (44) (0)1884 255700 FAX : (44) (0)1884 257794