

Sash gang | 600 Stroke

HDN



Heavy-duty sash gang saw for the use in
medium to large sawmills

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The extra heavy-duty design and the convenient operation

All EWD-Sash gang saws are characterized by a time proven extra heavy-duty design: A clearly structured machine set-up with easy accessible component groups allows a quite easy care and maintenance of the machine. The flywheel assembly can be changed without dismantling the side frames. Side frames and base plate are made in an advanced, stable and torsion resistant cast iron design, crank pins and fly wheel shaft are made from special steel. All parts, especially the highly stressed connecting rods and frame cross beams are subjected to constant and strict quality controls during the manufacturing process.

The upper sash guides

The upper sash guides are water-cooled by a cooling unit and a closed water circuit to reduce the wear and ensure a smooth running of the machine.

The automatic overhang adjustment

The overhang of the sash frame is automatically adjusted according to the selected feed speed. Maintenance free spindles and worm gears adjust the overhang plates.

The feed drive system

The sash gang is equipped with a hydraulic feed drive with variable speed control over the full speed range. In combination with the automatic overhang adjustment the feed speed for an optimum relation between saw speed and relative feed speed is achieved. The rubbing of the saw blades is eliminated as much as possible which results in a good lumber surface quality.

The main drive

The sash gang HDN is up to 110 kW drive motor size fitted with a fix and idle pulley for the shifting of the drive belt. For bigger drive motor sizes (up to 160 kW) the sash gang saw is fitted with a fix pulley for direct drive.

The rollers

The rollers are split and/or fitted with easily changeable corrugated steel inserts.

The foundation

The sash gang HDN has the same spacing of the anchor bolts as the models SS71 and HDE, therefore for an exchange only the minimum foundation volume required must be observed.

The hydraulic system

The lifting and lowering of the top rollers and the drive of the feed rollers is supplied by hydraulic power. The hydraulic system is composed of standard components, using a module principle. All parts such as electric motors, hydraulic pumps and valves are grouped in a central hydraulic system, separated from the sash gang saw and easily accessible.

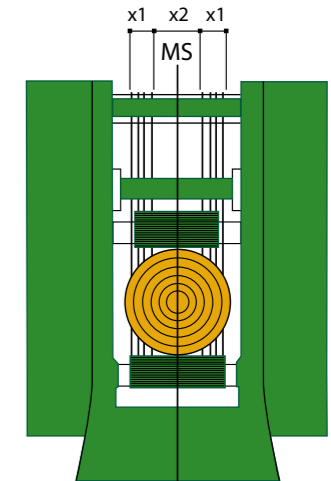
The saw dust shaker and the central lubrication system have separate drive systems and can therefore be used even when the machine is not running.

Technical data and details HDN

Hydraulic shifting saw banks

Optionally the sash gang HDN is available with a symmetric or asymmetric shifting saw bank system „SV“. The adjustment of the saw banks is done hydraulically and is possible during normal operation from the operator control panel.

MS = Center split saw
 x1 : max. 140 mm
 x2 : min. 40 mm without MS
 x2 : min. 65 mm with MS
 x2 : max. 350 mm



Additional equipment to complement the sash gang HDN

- Quick clamping log carriages in various designs
- Remote controlled log feed system
- Automatic centering and infeed system
- Side board cross cut saws
- Outfeed and splitter plates
- Balancing unit

Model		HDN	HDN/SV*
Sash width	mm	735	735
Sash clearance	mm	700	690
Stroke	mm	600	600
Revolutions max.	1/min.	320	300
Feed speed	m/min.	0-15	0-13
Feed power	kW	8,5	6,5
Drive pulley ø	mm	1000	800
Main drive motor max.	kW	160	160
Machine weight	t	11	12

* with shifting saw banks

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