Guillotine Shears

KHT 4006 M NC

SKU : 184211

The models from the KHT M NC series are built under a swing-beam design. The cutting bar is guided in a pivot bearing anchored in the machine body making cuts very straight without the risk of upper and lower blades jamming. The robust back gauge precisely positioned via the ESTUN 21 NC controller.

- Estun E21 NC control
- Back gauge with preloaded ball screws gauge
- Pneumatic plate hold-up feature
- Cutter also suitable for stainless steel
- Adjustable angular stop

TECHNICAL SPECS

WORKING AREA

Working length	4000 mm
Throat	150 mm
Cutting angle	1.5 deg
Strokes per minute	14 H/min
Hold-down	16 positions
Hold-down capacity	24.5 t
Table size	4330 mm x 500 mm x 800 mm

BACK GAUGE

Rear stop	1000 mm
Feed speed X-axis	2280 mm/min

FRONT SUPPORT ARMS

Number of support arms	4 positions
Length of support arms	1000 mm

CUTTING CAPACITIES

Plate thickness (max.) - 450 N/mm²	6 mm
Plate thickness(min.) - 400 N/mm²	0.6 mm
Plate thickness(max.) - 700 N/mm²	4 mm
Plate thickness(min.) - 700 N/mm²	0.6 mm

DRIVE CAPACITY

Motor rating main drive	7.5 kW
Hydraulic tank volume	250 l

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	4.63 m x 1.85 m x 1.7 m
Weight	8600 kg

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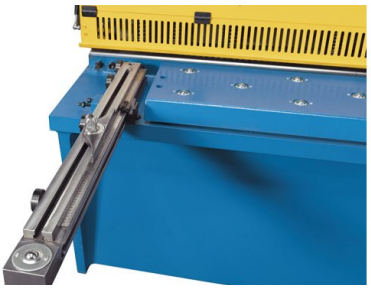
NC control for quick positioning of the back gauge

With the pneumatically controlled plate hold-up fixture even thin metal sheets can be positioned with high accuracy at the back gauge

High-quality electric components for maximum reliability



PRODUCT DETAILS

- The hydraulic Swing-Beam Shears with NC-controlled back gauge combines quality, reliability and easy handling

Machine Frame

- The machine frame is made of a stress-relieved steel weldment and features a swing-beam design
- With this design, the cutter beam travels in a swinging movement so that the distance between upper and lower knife will be restored automatically after each cut
- The advantages of this design are low-torsion cuts, a more reliable release of cut parts, extended knife life, and easy kerf adjustments

Material Support

- The large work table features roller balls and a rigid adjustable angular stop for easy handling and safe plate alignment
- Long, sturdy support arms safely hold large plates

Hydraulics

- The entire hydraulic system is reliable, low-maintenance and easy to service
- During the cut, hydraulically regulated hold-downs ensure steady fixation of the sheet metal plate close to the cut-line

Back Gauge

- The back gauge system is very robust and perfectly suited for rough production environments
- Preloaded ball screws are mounted in a protective enclosure

Equipment

- The user-friendly ESTUN 21 NC control positions the back gauge precisely both in single cuts and within program runs
- The machine is operated via a mobile foot pedal with emergency stop switch
- The exact cut line is visible on the metal sheet as a shadow graph
- Upper and lower knife suitable for stainless steel

Safety

- The continuous finger guard can be folded down to 1000 mm for a better view on the cut line
- Safety features are based on the latest CE regulations
- The rear-mounted light barrier system protects the work area

CONTROLS & SOFTWARE

NC control Estun E21S

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- Easy positioning control for plate shear back gauges
- Positioning on one side or optionally on two sides (eliminates spindle backlash)
- Retracting function during cutting process
- Automatic return to home position
- Easy backup and recovery of parameters
- Quick homing to programmed positions
- Programming of up to 40 programs and 25 positioning steps
- Power-off protection

STANDARD EQUIPMENT

NC control Estun E21S
Pneumatic sheet support
Controlled backgauge
Shadow light cutting line
Front support arms
Foot pedal with emergency stop switch
Manual cutting gap adjustment
Full length finger guard
Safety system for back working area
Standard upper and lower knife for stainless steel sheets
Adjustable angle stop
Operating tools
Operator instructions

OPTIONAL EQUIPMENT

- Hydraulic oil cooler, SKU : 253963
- Automatic central lubrication, SKU : 253975
- Additional blade set, SKU : 253966

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