

TÄHKÄ 300x400/550

Technical Data and Function

Dimensions:	<ul style="list-style-type: none">- Length, approx., mm – 5500- Width, approx., mm – 3450- Height, approx., mm – 2200
Upper chips screen plate:	<ul style="list-style-type: none">- Surface area, m² – 11,50- Holes – as desired
Lower chips screen plate:	<ul style="list-style-type: none">- Surface area, m² – 9,50- Holes – as desired
Motor:	<ul style="list-style-type: none">- Speed r/min - 1500- Power kW - 7,5
Capacity with even feed:	<ul style="list-style-type: none">- Chips m³/h - 200-250
Net weight, approx., kg	<ul style="list-style-type: none">- 3000,00

The chips screen can be placed under a cyclone, thereby saving a conveyor. However, feeding with chips into the chips screen becomes uneven and major feeding stops may occur. An even feed is achieved with e.g., block or screw conveyors.

The chips screen capacity is significantly influenced by the hole size and design of the chips screen plate as well as the chip quality, stick content, and tension.

Function

The chips screen rotates in a horizontal plane, suspended in rods with rubber pads, which provides smooth and calm operation (no cable issues).

Chips are first fed via a flat plate to the upper chips screen plate, the so-called stick chips screen plate. Thanks to the large surface area of the receiving plate, larger bits and elongated sticks lie down on the stick chips screen plate, which prevents clogging from upright sticks. Once the sifted chips and shavings have passed through the stick chips screen plate, they fall down onto a flat sloping plate. This plate has two important functions:

Firstly, the chips and shavings fall directly onto the chip chips screen plate and continue from there. Secondly, this allows the chip and shaving mix to be spread in a very even layer over its entire width before falling onto the plate that feeds the chip chips screen. This ensures the entire surface of the chip chips screen is used efficiently and produces very good screening results. This is a significant advantage often overlooked.

Construction

The drive system is as simple as possible: an unbalanced wheel and electric motor. The chips screen's rotation is controlled by adjusting the counterweight in the wheel. The drive system is placed inside the chips screen, which makes the chips screen completely open at the top. This makes it suitable for placement under a cyclone.

The discharge of stick, chip, and shaving fractions can be independently designed so they are emptied from the sides of the chips screen, allowing various solutions for removal conveyors.