

# Stationary sweep auger 200

## Grain transport in round silo with flat bottom

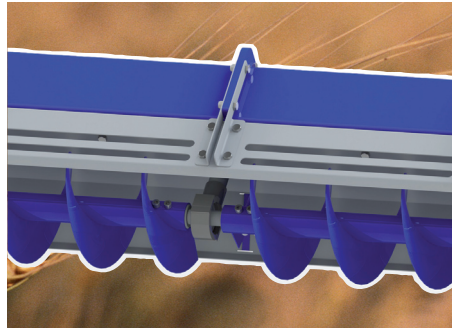
- Drive unit with worm geared motor, powder painted rigid beam and intermediate bearings secures a long life time.
- Capacity 60 tons of wheat per hour.
- Slip ring connected motor and the auger adjustable lengthwise, makes it fit into a wide range of silos.
- The drive unit of the auger could be quoted with an ATEX-approved solution.



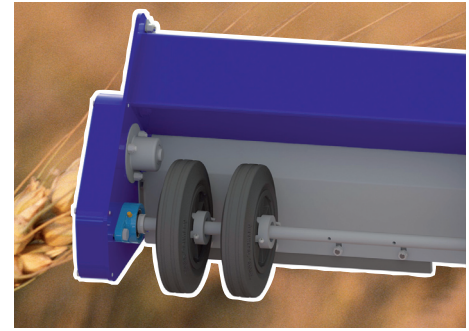
**Sveaverken AB**



Worm geared motor with slip ring connection, yellow. (Without ventilated hood)



Extension with grease able intermediate bearing.



End part with rubber wheels and chain transmission. (2 – 4 wheels dep. on auger length)

## Assortment

The Stationary sweep auger is designed according to the building kit principle.

In the assortment there is also a system of discharge screws to unload a round silo. When a lower capacity is needed Sweep auger 152 Carry In will be suitable.

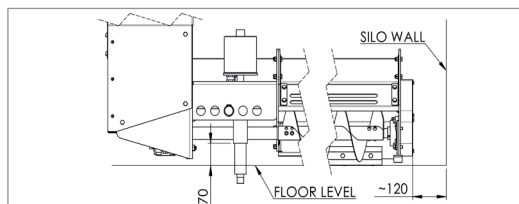
## Design

An auger is built together with: drive unit, extensions in standard lengths and end unit with chain transmission and driving wheel. A spigot underneath the drive unit is fitted in to the centre of the round silo. The rotating spiral “sweeps” the grain to the centre pit and in the same time driven around along the inside of the silo wall by the turning wheel.

## Features

Along the rigid beam there is a certain “inlet plate” that feed the auger in an optimized way. Having the auger fitting inside the silo the length is adjustable in steps of 50 mm. Each extension is equipped with intermediate bearings and the construction including spiral has a powder painted coating to stand the environment. The sweep auger is delivered in the right length just to assemble.

### Fitting in silo



## Technical data

Max length	9,7 m
Type of drive unit	Worm geared motor
Power	2,2 – 5,5 kW
Capacity	60 t/h*
Spigot diameter	41 mm
Spiral	280 rpm
Diameter of spiral	185 mm
Pitch	130 mm
Diameter of drive wheel	200 mm

\* Capacity: Wheat 0,75 t/m<sup>3</sup>, max humidity 15% rH.  
Higher humidity and not clean grain the capacity will drop.

## Standard lengths of auger

(other lengths on request)

Diameter silo (mm)	Length auger (mm)**	Power (kW)
7030 – 7230	3445	2,2
7920 – 8120	3890	2,2
8810 – 9010	4335	2,2
9700 – 9900	4780	3,3
10600 – 10800	5230	3,3
11490 – 11690	5675	3,3
12380 – 12580	6120	4,0
13270 – 13470	6565	4,0
14160 – 14360	7010	4,0
15050 – 15250	7455	4,0
15940 – 16140	7900	5,5***
17730 – 17930	8795	5,5***
19510 – 19710	9685	5,5***

\*\* From spigot/centre silo to outside gable  
Nominal length +/- 100 mm (step of 50 mm)

\*\*\* Direct started



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