



Der Getreide-Fulliner

Screw conveyors

screw conveyors, dosing screw conveyors, cereal guns



NEUERO
FARM UND FÖRDERTECHNIK

NEUERO manufactures conveyor technology up to a capacity of 250 t/h. High quality materials, a well thought out design and precise machining ensure quality and long service life of the machines and equipment components. The materials are galvanised and thus intensively protected against corrosion.

Screw conveyors from **NEUERO** are distinguished by first-class quality and machining. They are ideally suited for filling and emptying silos. Depending on the configuration, they convey cereal, flour or pellets waterproof motors drive the screws, the bearings are maintenance-free. There are corresponding accessories for every application. The drive and motor are supplied as a unit for simple, rapid self-assembly. Thanks to the standard V-belt drive, the output can be adjusted flexibly.

The **NEUERO** screw conveyors in the S model range are designed for continuous use with large outputs. The tubes are flanged and the extensions are fitted with intermediate bearings. This guarantees the maximum running smoothness and gentle product transport. Gear motors are available as special equipment.



The special features of NEUERO products are:

- ◆ easy maintenance and installation
- ◆ use of high quality, galvanised materials
- ◆ machining of the materials with the most modern CNC and laser technology
- ◆ use of waterproof motors
- ◆ efficiency and cost effectiveness combined with powerful service
- ◆ motor and drive unit are pre-assembled

Tubular screw conveyors for cereal

Basic equipment:

- ◆ Screw head 90° (conveying angle 0 - 45°) or 45° (conveying angle 46 - 90°), 0.5 m long
- ◆ attached motor n = 1440 rpm (400 V, 50 Hz)
- ◆ V-belt drive
- ◆ without intermediate bearings
- ◆ Tension ring and tube Ø 150, 0.5 m for tension ring connection. (government safety organisation regulation)
- ◆ Galvanised screw tube
- ◆ Righthanded thread
- ◆ Galvanised tube

Screw speed S 100: Cereal	1040 rpm
Screw speed S 120: Cereal	800 rpm
Screw speed S 150: Cereal	720 rpm

Motor and drive assembled

Screw conveyors for cereal are available for feed hoppers or foot part and complete with basket guard, bottom bearing and inlet regulation

Length [m]	Head	Ø S 100 Motor [kW]	Ø S 120 Motor [kW]	Ø S 150 Motor [kW]	Length [m]	Head	Ø S 100 Motor [kW]	Ø S 120 Motor [kW]	Ø S 150 Motor [kW]
2.5	90°	1.5	2.2	-					
3.5	90°	1.5	2.2	3.0	3.5	45°	1.5	2.2	3.0
4.5	90°	1.5	2.2	4.0	4.5	45°	1.5	2.2	4.0
5.5	90°	1.5	2.2	4.0	5.5	45°	1.5	2.2	4.0
6.5	90°	2.2	3.0	4.0	6.5	45°	2.2	3.0	4.0
7.5	90°	2.2	3.0	5.5	7.5	45°	2.2	3.0	5.5
8.5	90°	2.2	3.0	5.5	8.5	45°	2.2	3.0	5.5
9.5	90°	3.0	4.0	5.5	9.5	45°	3.0	4.0	5.5
10.5	90°	3.0	4.0	5.5	10.5	45°	3.0	4.0	5.5
11.5	90°	3.0	4.0	5.5	11.5	45°	3.0	4.0	5.5
12.5	90°	3.0	4.0	-	12.5	45°	3.0	4.0	-

Tubular screw conveyor for flour and mixed feed

Basic equipment:

- ◆ Screw head 90° (conveying angle 0 - 45°) or 45° (conveying angle 46 - 90°), 0.5 m long
- ◆ V-belt drive
- ◆ Tension ring and tube Ø 150, 0.5 m for tension ring connection. (government safety organisation regulation)
- ◆ Attached motor n = 1440 rpm (400 V, 50 Hz)
- ◆ Required extensions and connecting collars without intermediate bearings

Screw speed S 100: Flour	650 rpm
Screw speed S 120: Flour	570 rpm
Screw speed S 150: Flour	510 rpm

Motor and drive assembled

Length [m]	Head	Ø S 100 Motor [kW]	Ø S 120 Motor [kW]	Ø S 150 Motor [kW]	Length [m]	Head	Ø S 100 Motor [kW]	Ø S 120 Motor [kW]	Ø S 150 Motor [kW]
2.5	90°	1.5	2.2	-	2.5	45°	1.5	2.2	-
3.5	90°	1.5	2.2	3.0	3.5	45°	1.5	2.2	3.0
4.5	90°	1.5	2.2	4.0	4.5	45°	1.5	2.2	4.0
5.5	90°	1.5	2.2	4.0	5.5	45°	1.5	2.2	4.0
6.5	90°	2.2	3.0	4.0	6.5	45°	2.2	3.0	4.0
7.5	90°	2.2	3.0	5.5	7.5	45°	2.2	3.0	5.5
8.5	90°	2.2	3.0	5.5	8.5	45°	2.2	3.0	5.5
9.5	90°	3.0	4.0	5.5	9.5	45°	3.0	4.0	5.5
10.5	90°	3.0	4.0	5.5	10.5	45°	3.0	4.0	5.5
11.5	90°	3.0	4.0	5.5	11.5	45°	3.0	4.0	5.5
12.5	90°	3.0	4.0	-	12.5	45°	3.0	4.0	-

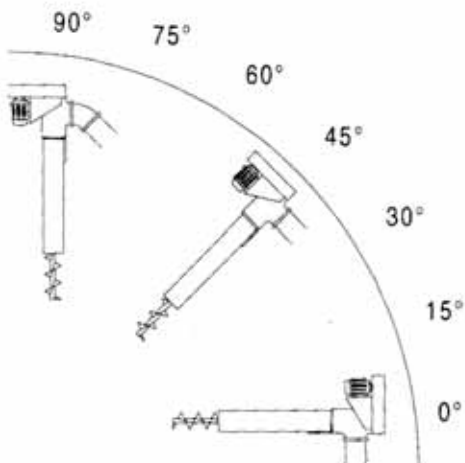


Tubular screw conveyor S 100 - S 150 with basket guard
Motor and drive assembled

Flow rate depending on conveying angle and material:

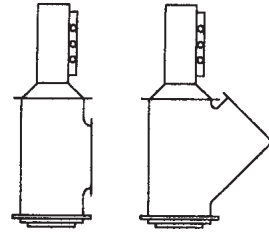
Output for a packed weight of 750 kg / m³ and approx. 14% grain humidity, for flour bulk weight of 600 kg/m³ - information in kg/h according to product

	S 100		S 120		S 150	
	Cereal	Flour	Cereal	Flour	Cereal	Flour
0°	18.500	7.400	26.500	10.600	41.000	16.000
15°	16.000	6.400	23.500	9.400	36.000	14.000
30°	14.000	5.600	20.000	8.000	31.000	12.000
45°	11.500	4.600	16.500	6.600	26.000	10.000
60°	9.000	3.600	13.000	5.700	21.000	8.000
75°	6.500	-	9.500	-	16.000	-
90°	4.500	-	6.000	-	11.000	-

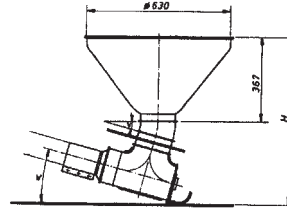


Accessories

- ◆ Inlet hopper square with regulation complete (length/width = 1,070 mm, height = 700 mm)
- ◆ Moveable supports (for screw conveyors up to 6.5 m in length)
- ◆ Foot part 90°, Ø 150 with bottom bearing for tension ring connection, coated
- ◆ Foot part 45°, Ø 150 with bottom bearing for tension ring connection, coated
- ◆ Foot part 45°, Ø 200 with bottom bearing for tension ring connection, coated
- ◆ Foot part 90°, Ø 200 with bottom bearing for tension ring connection, coated
- ◆ U-bolt with bottom bearing (only in closed system)
- ◆ Basket guard with bottom bearing and infeed regulation
- ◆ Tension ring Ø 150 with screw connection and seal
- ◆ Inlet hopper Ø 150/630, with guard
- ◆ Moveable support
- ◆ Chassis up to 8.5 m (average vehicle)
- ◆ Chassis from 9.5 m (large vehicle)
- ◆ Intermediate outlet Ø 150 for tension ring connection
- ◆ Extension without collar, 1.0 - 3.0 m
- ◆ Screw core 1.0 m (starter core for fine metering)
- ◆ Collar for extension



Foot part 90° Foot part 45°



α	H (ca.)
15°	725
30°	760
45°	770

Hopper foot part 90° with slide valve, elbow segment, tension rings and inlet hopper

Dosing screw conveyor Type S 100/D for flour

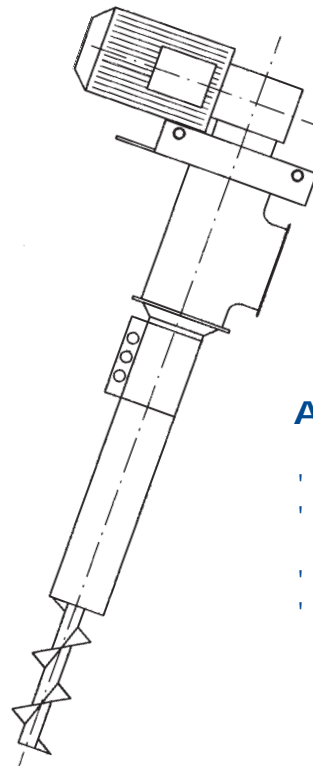
Basic equipment:

- ◆ Screw head 90° (conveying angle 0 - 45°), 0.5 m long
- ◆ Suspension gear
- ◆ Gear motor 0.75 kW, 1:15 N = 96 rpm (400 V, 50 Hz)
- ◆ Cantilever arm
- ◆ Drive shaft
- ◆ Protection tube

- ◆ Tension ring Ø 150 and tube Ø 150; 0.5 m, for tension ring connection and the respective required extensions and connection collars
- ◆ Galvanised screw tube Ø 100 mm

Motor and drive assembled

The metering screw conveyor Type S 100/D for flour is available in total lengths 1.70 - 5.70 m.



Capacity depending on conveying angle	
Slope	Power
up to 15°	1,680 kg/h
up to 30°	1,470 kg/h
up to 45°	1,180 kg/h

Based on a bulk weight of 600 kg/m³

Accessories

- Screw core 1.0 m (starter core for fine metering)
- Hopper foot part S 100, 90° for tension ring connection
- Hopper Magnum Type B Ø 100 for GK 100
- Additional cost for 1.1 kW configuration

Tubular screw conveyor Type S 150 I, S 200, S 259 and S 300

Basic equipment:

- ◆ Screw head 90° (conveying angle 0 - 45°) or 45° (conveying angle 46 - 90°), 3 m long
- ◆ Attached motor n = 1,440 rpm (400 V, 50 Hz)
- ◆ V-belt drive
- ◆ Galvanised screw head and tube

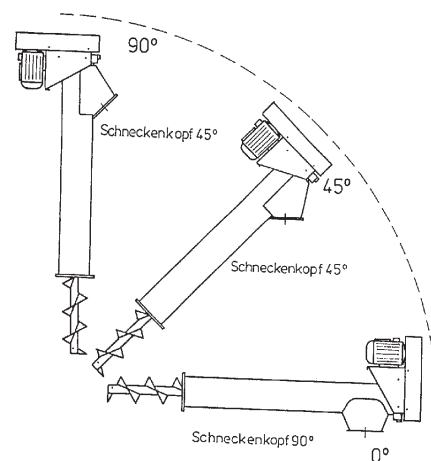
- ◆ Required extensions including intermediate bearings and connection bolts
- ◆ Flanged screw conveyor tubes
- ◆ Hot-dip galvanised

Motor and drive assembled

Length [m]	Header	S 150 I Motor [kW]	S 200 Motor [kW]	S 250 Motor [kW]	S 300 Motor [kW]
3.0	90°	1.5	2.2	3.0	4.0
4.0	90°	2.2	2.2	4.0	5.5
5.0	90°	2.2	3.0	5.5	7.5
6.0	90°	3.0	3.0	7.5	7.5
7.0	90°	3.0	4.0	7.5	9.2
8.0	90°	4.0	4.0	7.5	11.0
9.0	90°	4.0	5.5	9.2	11.0
10.0	90°	4.0	5.5	9.2	15.0
11.0	90°	5.5	5.5	11.0	15.0
12.0	90°	5.5	7.5	11.0	15.0
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3.0	45°	1.5	2.2	3.0	4.0
4.0	45°	2.2	2.2	4.0	5.5
5.0	45°	2.2	3.0	5.5	7.5
6.0	45°	3.0	3.0	9.2	7.5
7.0	45°	3.0	4.0	7.5	7.5
8.0	45°	4.0	4.0	7.5	11.0
9.0	45°	4.0	5.5	9.2	11.0
10.0	45°	4.0	5.5	9.2	15.0
11.0	45°	5.5	5.5	11.0	15.0
12.0	45°	5.5	9.2	11.0	15.0

Accessories

- ◆ Basket guard with bottom bearing and infeed regulation with control shaft 3-0 m long and hand wheel
- ◆ Extension of the control shaft per m
- ◆ Inlet hopper, square, 0 - 45°
- ◆ Foot part 90°, for tension ring connection
- ◆ Foot part 45°, for tension ring connection
- ◆ moveable support
- ◆ Screw core 1.0 m (starter core for fine metering)
- ◆ Screw conveyor extension 0.5 - 3.0 m long with connection bolts
- ◆ Intermediate bearings for extensions 1.0 - 3.0 m
- ◆ Intermediate outlet Ø 150, 200, 250, 300, 90°
- ◆ Extra charge for sliding usage version



Technical data	S 150 I	S 200	S 250	S 300
Screw conveyor speed	360 rpm	360 rpm	360 rpm	360 rpm
Screw conveyor tube - Ø	150 mm	200 mm	250 mm	300 mm
Flange - Ø	210 mm	260 mm	310 mm	360 mm
Outlet for tension ring connection Ø	150 mm	200 mm	250 mm	300 mm



Cereal storage silos for indoor and outside installation



- ◆ with statics
- ◆ galvanised
- ◆ solid construction
- ◆ high production quality
- ◆ flat profiling of the silo plates gives stability and is better suited for cultivation products. e.g. seeds
- ◆ customized aeration systems and aeration fans
- ◆ control of the stored product using NEUERO temperature measurement equipment
- ◆ cereal storage silos ob hopper construction in segment construction
- ◆ and many other advantages are provided by NEUERO farm technology



NEUERO provides you with everything for cereals:
storage ◆ cleaning ◆ drying
cooling ◆ ventilation ◆ milling

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