

MOBILE GRAIN SCREW CONVEYORS IN STAINLESS STEEL (AISI 304 / 1.4301)

We also manufacture screw conveyors entirely in stainless steel, or—upon request—in a combined design

with a stainless steel casing and a galvanized steel screw flight, specifically for handling mineral fertilizers or de-icing salt (municipal applications).



MOBILE GRAIN SCREW CONVEYORS WITH LIGHTWEIGHT CHASSIS

The mobile screw conveyors are based on the design of a standard screw conveyor with a discharge-end-mounted drive unit.

In addition, they are equipped with a simple chassis for on-farm use, for feeding fertilizer spreaders or seed drills directly at the farm. This type of chassis is only conditionally suitable for road transport and is intended primarily for internal farm operations.

TECHNICAL DATA

- ▄ Versions: Painted steel, galvanized steel, or stainless steel (V2A)
- ▄ Diameter: 127 mm, 150 mm, 170 mm / 180 mm
- ▄ Length: 5 m, 5.5 m, 6 m
- ▄ Drive: Electric motor / hydraulic



CONVEYING

STATIONARY SCREW CONVEYORS

Stationary – yet flexible.

For permanent installation, we supply stationary screw conveyors with diameters ranging from 127 mm to 250 mm, manufactured in painted carbon steel or, on request, fully in stainless steel (AISI 304 / 1.4301). Starting from standard base lengths of 3 m and 6 m, the conveyors can be extended using 1.5 m or 3 m modular sections. In the intake area, the stationary screw conveyors are equipped as standard with an intake cage. Upon customer request, they can optionally be fitted

with a steel intake hopper or feed inlets (e.g. round or square design). All screw conveyors are manufactured entirely in-house, we are able to accommodate specific customer requirements regarding length, configuration, and design.

TECHNICAL DATA

- ▄ Length: 3.30 m to 20 m
- ▄ Capacity: 15 t/h to 100 t/h
- ▄ Diameter: 127 mm to 250 mm
- ▄ Versions: Carbon steel, stainless steel



FEED SCREW CONVEYORS

Flexible feeder for mobile grain screw conveyors and tubular belt conveyors.

Easy maneuvering at the intake of downstream equipment significantly reduces unloading time. Thanks to the lightweight chassis and castor wheels at the intake hopper, the feeding screw conveyor can be easily swung into position at the trailer, repositioned quickly, and operated effortlessly by a single person.

can be used as an external feeder, as an additional flexible intake, as an elevator, or for feeding into a grain pit.

TECHNICAL DATA

- ▄ Conveying length: 3 m to 5 m
- ▄ Tube diameter: 200 mm (50 t/h), 250 mm (80 – 100 t/h)
- ▄ Material: Carbon steel / stainless steel
- ▄ Standard version: Straight design with intake hopper (1.0 × 0.8 m)
- ▄ Special version: Angled design with receiving hopper, length 1.20 m to 3 m

Feeding screw conveyors are frequently used in confined spaces, such as drive-through areas. In low buildings, where tipping a trailer or truck is not possible, the feeding screw conveyor



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SCREW CONVEYORS

The right solution for every operation.



SPECIAL INFEED.
Unique in Europe.

Over 35 YEARS of quality & service – family-owned

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MOBILE GRAIN SCREW CONVEYORS SERIES EMD

High-performance screw conveyors with chassis.

Over the years, since the founding of CanAGRO, we have established ourselves as a specialist in mobile conveying technology. Our screw conveyors have been continuously developed and optimized to meet the requirements of the German market. Users of our screw conveyors benefit from a wide range of accessories and practical features that make everyday farm operations easier and more efficient.

TECHNICAL DATA

- Conveying capacity: 25 t/h to 120 t/h
- Tube lengths: 7.80 m to 21.30 m
- Conveying height: up to 14.50 m
- Special infeed



robust chassis

- particularly well suited for flexible, high-capacity use, including cross-farm operations
- ample clearance in the infeed and discharge areas
- set-back chassis – increased overhang for optimal loading of flat storage facilities
- all units feature a robust winch system for continuously adjustable conveying height

The right drive solution for every operation

- Petrol engine
- Electric motor
- Two-speed electric motor
- PTO drive
- Hydraulic motor
- Combined drive: electric & hydraulic motor



PTO-Drive



Electric and hydraulic drive



Hydraulic drive

CONVEYING

Center drive / drive concept

Power is transmitted from the electric motor via large-diameter belt pulleys to the bevel gearbox. From there, the torque is transferred through a drive shaft to the screw head and then transmitted to the screw conveyor via reduction chain sprockets. This results in multiple stages of torque reduction, delivering the driving force to the screw conveyor in a pulling configuration, ensuring high efficiency and durability.

THIS DRIVE SYSTEM ENABLES

- Drive unit positioned in the lower third of the screw tube
- greater effective power transmission from the wheels to the discharge end
- Good weight balance and handling
- Ample clearance in the infeed and discharge areas
- Optimal operating speed of 450 rpm



Large-diameter belt pulleys for optimal power transmission



Upward-routed drive shaft



Speed reduction at the top via chain

ACCESSORIES - SCREW CONVEYORS



Discharge chute – swivel-mounted



Feed hopper



Transverse axle



Intake hopper WA 103 without castor wheels

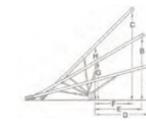


Intake hopper WA 104 with two castor wheels



Intake hopper WA 105 with four castor wheels

CONVEYING



Please refer to the table for heights and reach.

TYPES

Type	Ø mm	Length (m)	Capacity (t/h)	Heights and reach in m								Wheel-base in cm
				A	B	C	D	E	F	G	H	
EMD 831	200	9,30	50	2,34	4,59	6,55	4,50	3,68	3,00	2,50	3,68	180
EMD 836	200	10,80	50	2,74	5,36	7,62	6,00	5,00	4,00	3,00	4,39	210
EMD 841	200	12,30	50	2,92	6,15	8,71	7,60	6,00	4,50	3,53	5,00	230
EMD 846	200	13,80	50	3,01	6,92	9,63	8,00	6,75	5,00	3,93	5,51	230
EMD 851	200	15,20	50	3,62	7,62	10,82	8,21	6,80	5,00	4,32	5,82	240
EMD 856	200	16,80	50	3,50	7,92	11,30	8,50	7,00	6,00	4,51	6,32	270
EMD 861	200	18,30	50	3,76	8,63	12,55	8,50	7,50	6,00	4,90	7,40	290
EMD 931	220	9,30	70	2,34	4,59	6,55	4,22	3,68	2,87	2,50	3,68	180
EMD 936	220	10,80	70	2,74	5,36	7,62	4,95	5,34	3,40	3,00	4,39	210
EMD 941	220	12,30	70	2,92	6,15	8,71	5,74	6,00	3,94	3,53	5,00	230
EMD 946	220	13,80	70	3,01	6,92	9,63	6,13	6,77	4,36	3,93	5,51	230
EMD 951	220	15,30	70	3,62	7,62	10,82	7,04	6,15	4,85	4,32	5,82	240
EMD 961	220	18,30	70	3,76	8,63	12,55	8,33	7,47	6,04	4,90	7,40	290
EMD 1031	250	9,30	90	2,34	4,59	6,55	4,50	3,68	3,00	2,50	3,68	180
EMD 1036	250	10,80	90	2,74	5,36	7,62	6,00	5,00	4,00	3,00	4,39	210
EMD 1041	250	12,30	90	2,92	6,15	8,71	7,60	6,00	4,50	3,53	5,00	230
EMD 1046	250	13,80	90	3,01	6,92	9,63	6,13	6,77	4,36	3,93	5,51	230
EMD 1051	250	15,30	90	3,62	7,62	10,82	7,04	7,35	4,85	4,32	5,82	240
EMD 1061	250	18,30	90	3,76	8,63	12,55	8,33	7,47	6,04	4,90	7,40	290
EMD 1071	250	21,30	90	4,37	10,06	14,53	9,65	8,61	6,94	5,24	8,41	300



Click here to watch our product videos. Simply scan the QR code.

THE SPECIAL INFEED

Unique in Europe

CanAGRO grain screw conveyors, as well as the majority of transfer screw conveyors, are equipped in the infeed area with a standing-flight screw design. This "special infeed" is unique in Europe and is available exclusively on CanAGRO products.

Thanks to this special design, approximately 15% higher conveying capacity can be achieved compared to standard screw flights, while also ensuring a longer overall service life. The special infeed guarantees a nearly constant conveying performance, even at steep conveying or inclination angles.

This enables increased material intake at lower operating speeds (up to max. 450 rpm) and ensures gentle handling of grain.

- Longer service life
- 15% higher capacity compared to straight standard screw flights
- Nearly constant conveying performance due to improved material intake – even at steep conveying angles
- High performance at low operating speeds (max. 450 rpm)
- Gentle conveying of grain

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