AGRIMONT

TRAILER MOUNTED SCREW CONVEYORS AND MOBILE SCREW CONVEYORS

... always with a centre bearing!

Designed for the conveying of grain, seed, fertilizer, coarse meal, compound feed and all granular materials.

Trailer Mounted Screw Conveyors and Mobile Screw Conveyors

… always with a centre bearing!

The versatility of our products: conveying, loading and filling throughout the year

Product overview

The advantages of AGRIMONT screw conveyors:

- Loading and filling is much more **easier**
- **Time savings** since the harvesting process is both quicker and more efficient
- **Improving labour productivity** while reducing costs
- **Lower expenses** for workers
- Very **gentle** on the conveyed material
- The centre bearings guarantee an **extremely long lifetime** and also **less drive effort**
- Made of mild steel or V2A **stainless steel** (AISI 304)

Series	Models	Length (m)	Capacity t/h (grain)	Folding	Adjustable in height	Note
SN	SSN 20/50/70	4 - 5	30 - 70	manually	by cable winch	side discharge
	ZSN 20/50	3 - 4,5	30 - 50	manually	by cable winch	back discharge
HP	HP 220/270/330/400	5,3	70 - 300	hydraulically	hydraulically	fixed discharge height
	HPS 220/270/330	5,3	70 - 180	hydraulically	hydraulically	hydr. adjustable discharge height
	HPA 400/500/600	4,8	350 - 600	hydraulically	hydraulically	horizontal screw conveyor
						silage tillers
MSN	MSN 20/50/70/100	4 - 20	30 - 100	manually	by cable winch	mobile & with a towing device

CENTRE BEARING This SMART SOLUTION is part of every AGRIMONT product!

Integral part of every AGRIMONT trailer mounted screw conveyor and mobile screw conveyor

Series HP

Every of our screw conveyers is equipped with at least one **maintenance-free centre bearing** as a result of which the tube won't be damaged by the rotating flighting.

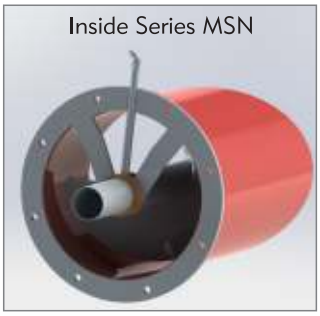
Advantages of a centre bearing:

- The conveyed **material remains undamaged**
- The **tube won't be damaged**
- It helps to **minimize vibrations**
- A remarkable smooth and quiet running is ensured – you can **hear the difference**
- The conveyor can also be **used when folded**
- **Stop and start** when the conveyor is **filled**
- Increased efficiency and **less energy** requirement

But above all, thanks to the centre bearing our products have **an extremely long lifetime!**

Series SN

Inside Series MSN



Trailer Mounted Screw Conveyors and Mobile Screw Conveyors

Conveying capacity 30 – 70 t/h

Series SN

The Series SN screw conveyor provides a simple and effective means to **transfer grain, seed, fertilizer and other bulk material**. This series includes the model ranges SSN and ZSN and excels by high manufacturing quality. Made of mild steel or V2A stainless steel, these AGRIMONT screw conveyor models **are robust and reliable and available in various tubing lengths** to allow customers to choose the exact sizing they need. You also have the choice among different colours and conveying capacities. High performance cable winches provide easy raising and lowering of the screw conveyor. **The unloading capacity** ranges **between 30 t and 70 t per hour**.

Model range SSN – Side discharge screw conveyor

Includes the following

- Made of mild steel or V2A stainless steel (AISI 304)
- With a tough, baked-on powder paint coating
- Elevation can be changed manually by using a cable winch
- Hydraulic motor with ball valve
- 2 x 1.60 m of hydraulic hose with quick couplers
- 1 x mounting set for mounting on the grain hatch
- A special lockable clean-out door makes maintenance and cleaning easy
- Including transport safety device

Optional accessories *see page 6*

- Solenoid valve, flexible discharge hose and handle with on/off switch
- Flexible discharge hose with or whithout handle
- Pipe elbow discharge chute when using the conveyor folded
- Rear door inset with grain hatch (made of stainless steel)

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Oil flow (l/min)
SSN 20	30	170	4	35
SSN 20	30	170	4,5	35
SSN 20	30	170	5	35
SSN 50	50	200	4	45
SSN 50	50	200	4,5	45
SSN 50	50	200	5	45
SSN 70	70	220	5	45

Model range ZSN – Back discharge screw conveyor

Includes the following

- Made of mild steel or V2A stainless steel (AISI 304)
- With a tough, baked-on powder paint coating
- Elevation can be changed manually by using a cable winch
- Hydraulic motor with ball valve
- 2 x 1.60 m of hydraulic hose with quick couplers
- 1 x mounting set for mounting on the grain hatch
- Grain hatch extender
- A special lockable clean-out door makes maintenance and cleaning easy
- Including transport safety device

Optional accessories *see page 6*

- Solenoid valve, flexible discharge hose and handle with on/off switch
- Flexible discharge hose with or whithout handle
- Pipe elbow discharge chute when using the conveyor folded
- Rear door inset with grain hatch (made of stainless steel)

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Oil flow (l/min)
ZSN 20	30	170	3	35
ZSN 20	30	170	3,3	35
ZSN 20	30	170	4	35
ZSN 20	30	170	4,5	35
ZSN 50	50	200	3,3	45
ZSN 50	50	200	4	45
ZSN 50	50	200	4,5	45

Trailer Mounted Screw Conveyors and Mobile Screw Conveyors

Hydraulically operated
Conveying capacity 70 – 600 t/h

Series HP

Hydraulically Operated Screw Conveyors

The screw conveyors of the Series HP are the largest models in the AGRIMONT equipment portfolio and a very competitively priced **alternative to auger grain carts**. They fit all kinds of trailers and can be widely used, not only in the harvesting process. Engineered for performance and durability, AGRIMONT HP Series screw conveyors achieve **capacities between 70 and 600 tonnes of grain per hour** (depending upon model). Our hydraulically operated HP –screw conveyors greatly simplify transportation of the material to be conveyed. In order to meet the customer's requirements the hydraulically operated screw conveyors are available in mild steel or V2A stainless steel (AISI 304).

Our HP models will give you the following benefits

- More efficient loading ensures **time savings** of up to **30 % when harvesting**
- **Seeding** and **fertilizing** as well as conveying material will be **easier and quicker**
- Significant enhanced labour productivity leads to **lower costs**

Available with complete rear door

Upon request, we can also supply the HP Series screw conveyers with a **new rear door**, which is **equal to the original trailer rear door** at the customer's. Adjusting the screw conveyor to the rear door at the AGRIMONT manufactory will allow a simple and quick exchange of the rear doors. The not needed rear door will be **stored on a stand** that is included in the delivery. In this manner, you decide for yourselves when you want to drive with your screw conveyor. The rear door is available by customer's request optionally also in the colour of the trailer.

Model range HP – Fixed discharge height

Includes the following

- Made of mild steel or V2A stainless steel (AISI 304)
- With a tough, baked-on powder paint coating
- Fixed discharge height about 4,5 m
- Hydraulic folding
- Hydraulic motor
- 1 x mounting set for mounting at the trailer rear door

Optional accessories *see page 6*

- Electro-hydraulic distributor in the tractor cab
- Electrically operated grain hatch
- Electrically controllable flap at the discharge chute
- Trailer rear door (with mounted conveyor) with stand
- Camera system with a user-friendly in-cab monitor
- Flexible discharge hose with adapter for the discharge chute
- HP 400 usually with external hydraulics (120 l/min) incl. hydraulic tank (150 l)

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Oil flow (l/min)
HP 220	70	220	5,3	60
HP 270	135	270	5,3	75
HP 330	180	330	5,3	85
HP 400	300	400	5,3	120

Trailer Mounted Screw Conveyors and Mobile Screw Conveyors

Hydraulically operated
Conveying capacity 70 – 600 t/h

Model range HPS – Discharge height hydraulically adjustable

Includes the following

- Made of mild steel or V2A stainless steel (AISI 304)
- With a tough, baked-on powder paint coating
- Hydraulically adjustable discharge height (2,5 m to 4,5 m)
- Hydraulic folding
- Hydraulic motor
- 1 x mounting set for mounting at the trailer rear door

Optional accessories *see page 6*

- Electro-hydraulic distributor in the tractor cab
- Electrically operated grain hatch
- Electrically controllable flap at the discharge chute
- Trailer rear door (with mounted conveyor) with stand
- Camera system with a user-friendly in-cab monitor
- Flexible discharge hose with adapter for the discharge chute

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Oil flow (l/min)
HPS 220	70	220	5,3	60
HPS 270	135	270	5,3	75
HPS 330	180	330	5,3	85

Model range HPA – With additional horizontal screw conveyor

The special feature of the AGRIMONT HPA screw conveyor is its high-efficiency supply system, which guarantees maximum loads! Conveying up to 600 t/h, the HPA screw conveyor is the **perfect solution for push-off trailers**. In addition, in these models silage tillers can be mounted, as a result of which it's possible to convey also silage, chaff and other materials.

Includes the following

- Made of mild steel
- With a tough, baked-on powder paint coating
- Additional electrohydraulically operated horizontal screw conveyor with external hydraulics
- Hydraulic folding
- Hydraulic motor + PTO drive option or only PTO drive option
- Electrically controllable flap at the discharge chute
- Complete with a faithfully reproduced rear door incl. stand

Optional accessories *see page 6*

- Camera system with a user-friendly in-cab monitor
- Flexible discharge hose with adapter for the discharge chute
- Mounting the drive shaft from the tractor to the screw conveyor
- Silage tillers for loading silage and similar materials

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Drive
HPA 400	350	400	4,8	PTO/hydromotor
HPA 500	450	500	4,8	PTO
HPA 600	600	600	4,8	PTO

Trailer Mounted Screw Conveyors and Mobile Screw Conveyors

Mobile use

Conveying capacity 30 - 100 t/h

Series MSN

Mobile Screw Conveyors - With chassis & towing device

AGRIMONT stands for innovative solutions and high quality products – for that reason EVERY of our screw conveyors is **equipped with at least 1 centre bearing**. Due to their length, the MSN Series mobile conveyors even have every 2,5 m a centre bearing. This special technical feature allows maintaining fast rotational speeds during operation. As a result, AGRIMONT mobile screw conveyors not only have the highest conveying capacities but also run smooth and quiet.
Also important: thanks to the centre bearings, of cause also these AGRIMONT models can be stopped and started when they are filled!

Length (m)	Height and range (m)			
	A	B	C	D
6	2,8	1,8	2,4	4,6
8	3,8	2,2	2,8	5,5
10	5,5	2,5	3,2	6,9
12	6,8	2,8	4,2	8,4
14	8,0	3,0	5,0	9,7
16	9,0	3,8	5,4	11,0

Includes the following

- Made of mild steel or V2A stainless steel (AISI 304)
- With a tough, baked-on powder paint coating
- Length up to 20 m
- Elevation can be changed manually by using a cable winch
- Discharge height up to 14 m
- Fitted with a hydraulic or electric motor (5,5 - 18 kW)
- Default size of the intake hopper 80 x 60 cm (incl. lockable clean-out door for maintenance and cleaning)
- Equipped with sprung axles
- Including transport safety device

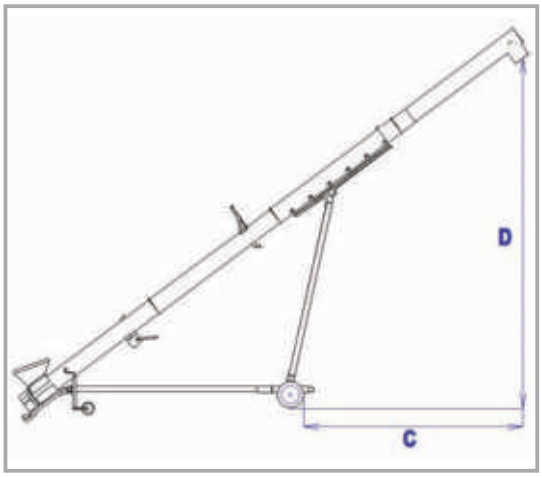
Optional accessories

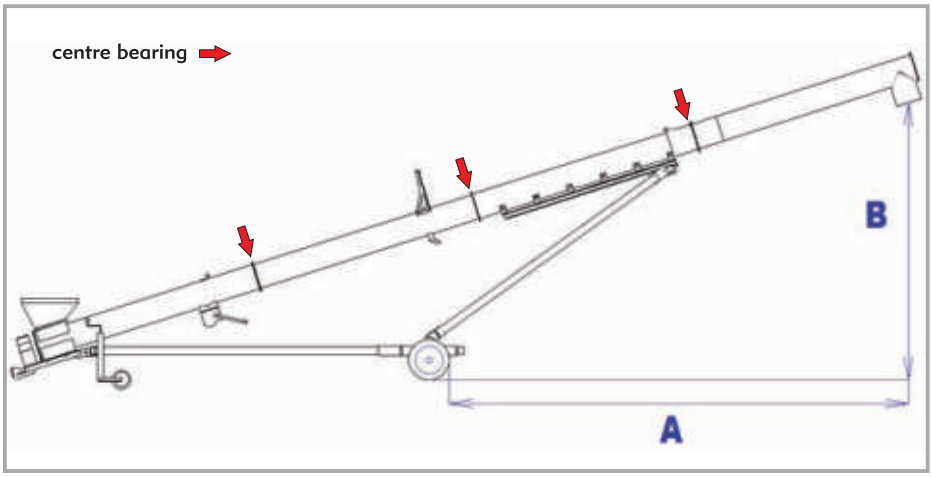
- Rear lights for improved safety in transport
- Frequency converter
- Soft starter
- Intake hopper in a special size
- Folding end (2,5 m)
- Flexible discharge hose

Ranges of application

- When conveying seeds and grain in halls, stores and silos
- When filling seed drills and fertilizer spreaders

Model	Capacity t/h (grain)	Diameter (mm)	Length (m)	Oil flow (l/min)
MSN 20	30	170	4 - 6	35
MSN 20	30	170	4 - 6	5 kW
MSN 50	50	200	4 - 12	45
MSN 50	50	200	4 - 12	5 - 11 kW
MSN 70	70	220	4 - 15	60
MSN 70	70	220	4 - 15	5 - 11 kW
MSN 100	100	270	4 - 15	80
MSN 100	100	270	4 - 15	7 - 12 kW





Optional Accessories

Make work easier & gain maximum benefit

Accessories

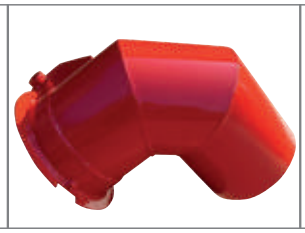
Optional accessories

Series SN:

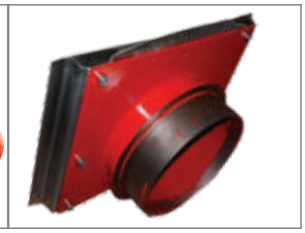
Solenoid valve

Flexible discharge hose

Handle with on/off switch (at the solenoid valve version)



Pipe elbow discharge chute when using the conveyor folded



Rear door inset with grain hatch (made of stainless steel)

Series HP:

Electrically operated grain hatch

Electrically controllable flap at the discharge chute incl. discharge hose with adapter

Electrically controllable flap at the discharge chute

Trailer rear door (with mounted conveyor) with stand

Camera system with a user-friendly in-cab monitor

Illustrations of some AGRIMONT models and their areas of application

Model range SSN

Model range HPS

Model range ZSN

Model range HPA

Model range HP

Model range MSN

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Trailer Mounted Screw Conveyors

... always with a centre bearing!

This SMART SOLUTION is part of every AGRIMONT product!

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