

Results

DNS residual output*	30 tph	50 tph	80 tph	100 tph	
Maximum gravity output	200 tph				
Diameter of silo*	Ø ≤ 21.40 m	Ø ≤ 21.40 m	Ø ≤ 25 m	Ø ≤ 21.40 m	
Wall height*		•			
Speed	483 rpm				
Power (kW)*	2.2 - 5.5 kW	3 à 7.5 kW	4 à 11 kW	5.5 à 11 kW	

TEX norm for C type 😉



^{*}average output on dry wheat (specific weight 0,75 t/m³). For other product or dimensions, please contact us.



Results

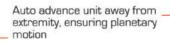
BM residual output*	50 tph	80 tph	100 tph	100 tph	
Maximum gravity output		200 tph		400 tph	
Diameter of silo*	Ø ≤ 22 m	Ø ≤ 26 m	Ø ≤ 26 m	Ø ≤ 26 m	
Wall height*	≤ 27 m				
Speed	414 rpm				
Power (kW)*	5.5 – 7.5 kW	5.5 à 11 kW	5.5 à 15 kW	5.5 à 15 kW	

^{*}average output on dry wheat (specific weight 0,75 t/m²). For other product or dimensions, please contact us.

BM см type



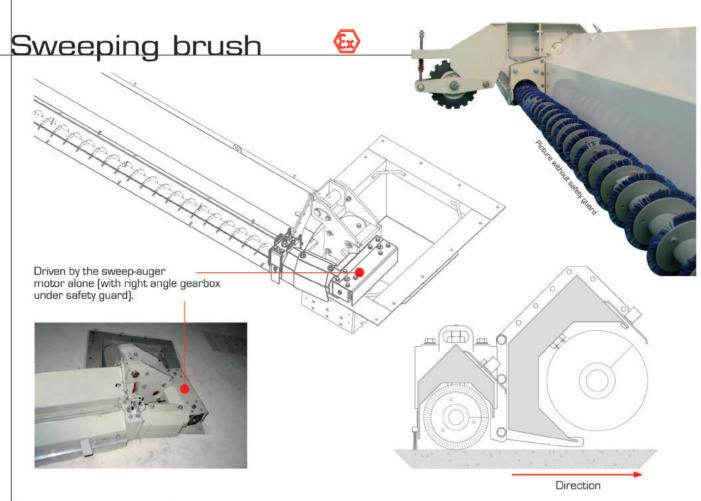




Results

BM GM residual output*	100	tph		150 tph		200	tph
Maximum gravity output	400 tph	600 tph	200 tph	400 tph	600 tph	400 tph	600 tph
Diameter of silo*	Ø ≤ 31.5 m	Ø ≤ 37.5 m	Ø ≤ 25.5 m	Ø ≤ 31.5 m	Ø ≤ 31.5 m	Ø ≤ 25.5 m	Ø ≤ 24 m
Wall height*	≤ 27 m		≤ 27 m		≤ 27 m		
Speed	414	rpm	414 rpm		414 rpm		
Power (kW)*	7.5 - 18.5 kW	7.5 à 30 kW	11 à 22 kW	11 à 30 kW	11 à 30 kW	15 à 30 kW	

^{*}average output on dry wheat (specific weight 0,75 t/m³). For other product or dimensions, please contact us.



Characteristics

Sweeping brush for	DNS	ВМ	вм см	
Diameter of silo	Ø ≤ 18 m	Ø ≤ 18 m	Ø ≤ 31.5 m	

The **ODENIS** sweeping brush, mounted on sweep auger (new or existing) avoids the need for manual sweeping in a dusty atmosphere.

This patented system, automatic and safe, ensures a clean floor in 2 rotations.





Silos regulations and existing sweep augers 😉



- ATEX kit allowing to turn your existing **DENIS** sweep auger type CNS into a DNS with adapted central unit ATEX. Flights and support beams are retained.
- Moto drive ATEX
- ATEX auto advance unit on end of auger
- Intermediate bearings Atex

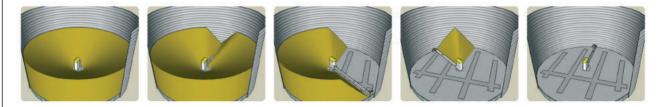
Contact us



General Description

DENIS sweep augers enable the discharge of the residual cereal cone of flat-bottom silos after gravity discharge. They offer the following advantages:

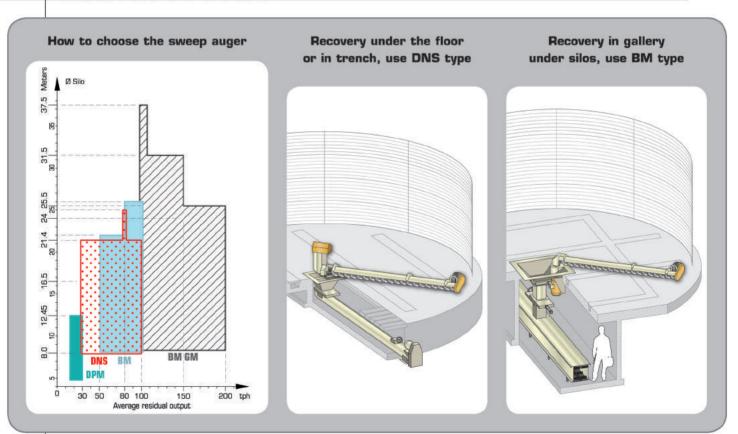
- They are suitable for any granular product flowing by gravity: wheat, rape seed, soya, sunflower...
- They can be fitted in existing silos without any modification (DNS type)
- Only the centre outlet is required (intermediate outlets only required if sweeping brush fitted)
- Sweep equipment is fitted inside the silo. Discharge by gravity through the central outlet to another handling system.



After gravity discharge, the sweep auger can be started. The 2 movements, rotation and advance, are ensured by the central drive, inside the silo for **D** type, or below the silo floor for **BM** type. The screw conveys the grain of the residual cone into the central outlet. The product then flows to the conveying equipment below the silo in a trench or gallery. When there is no more grain in front of the screw, it moves forward automatically driven by the outer wheel. In this way, the discharge is complete in only one rotation.

Sweep augers can be mounted with a sweeping brush, ensuring a clean floor after a second rotation.

Characteristics



Norms and certifications

This equipment meets with the standards for safety and strength

This equipment conforms to the ATEX requirements

DENIS sweep augers are available in ATEX version, certified ATEX II2D or II3D by **INERIS** authorised office, or simply equipped with ATEX components.

A sweep auger range to enable the residual discharge of flat-bottom silos

Farm range Storage companies and industries





DPM type





Automatic removable sweep auger

DNS

DNS type

BM type

Solutions designer



Continuous handling, silo discharge and extraction, cleaning, separation, grain treatment and protection... From the bucket elevator to the perfect know-how of screws, penis has acquired a worldwide reputation as designer and manufacturer of cleaning and bulk-handling equipment of solid products since 1855. Efficient, allowing an output up to 300 tonnes per hour (11.250 bushels per hour), economic, fast and quality driven, penis range is wide and continuously innovative. According to your needs, penis creates standard materials adapted to your installation.







