



SPIROGYRE SYSTEM



SPIROGYRE

SWEEP AUGER "ZERO HUMAN ENTRY"

More than 15 000 sweep augers installed worldwide



TYPE SCD¹ | The motor is off-centre below the silo floor, transmission via a pulley-belt system under a closed casing.



TYPE S² | The electric motor is inside the silo, directly coupled to a reducer driving the auger. Power is supplied by a rotary collector.

2 TYPES

TO ANSWER ALL NEEDS

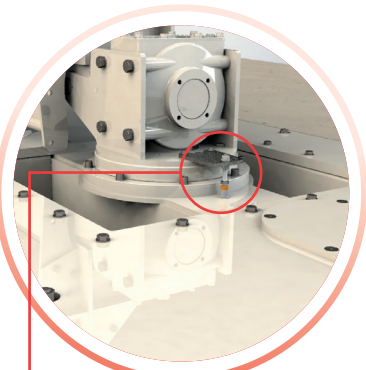
TYPE SCD¹

- High gravity capacities
- Wide range of discharge capacities
- Heavy-duty design
- Easy maintenance
- Retrofittable
- Certification II 1/2D 125°C

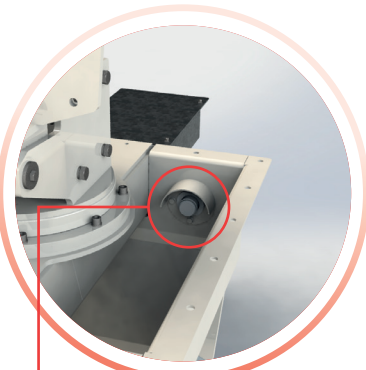
TYPE S²

- Adapted to limited space under the silo
- Simplicity
- Efficiency
- Adaptability
- Retrofittable
- Certification II 2D 125°C

OPTIONS



HOME POSITION
To detect the home position of the screw before the silo filling.



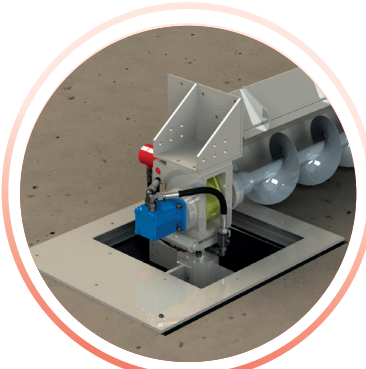
LEVEL DETECTOR
To automatically stop the screw in case of blockage or overflow in the hopper.



CLEARING SCREW
To clear the Advance Wheel path of product wastes on the silo periphery (included for large silo diameters and dusty products).



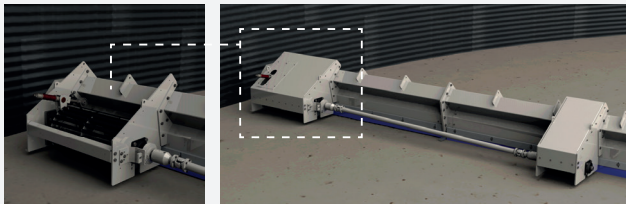
CLEANING BRUSHES
Combined with a good quality concrete floor, **reduce the remaining layer of product** to an insignificant quantity.



HYDRAULIC VERSION
For discharge capacities up to 400TPH

6 ADVANTAGES

- Pre-assembled in our workshop
- Mounting simplification
- Reduction of installation costs
- ATEX certification
- Advance wheel ensures a constant feed of the auger
- More than 40 years of experience



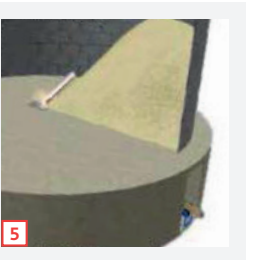
ADVANCE WHEEL
The sturdy « squirrel cage » design ensures that the auger keeps moving forward, thanks to a strong grip on the ground and an ingenious non-return mechanism.

COMPLETE AND EFFICIENT DRAINING OF YOUR SILOS

Step 1: Natural gravity flow



Step 2: Starting and 360 degrees rotation of the sweep auger



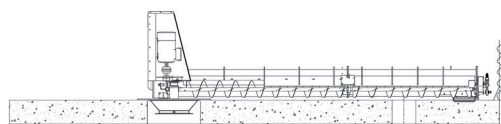
The MORILLON sweep auger is designed for flat bottom silos and free-flowing materials (wheat, corn, barley, oil seeds, pellets...) to reclaim the remaining product once the gravity unload has been completed.

The fully automatic design of the SPIROGYRE allows a safe and reliable reclaim all around the silo without any labour required.

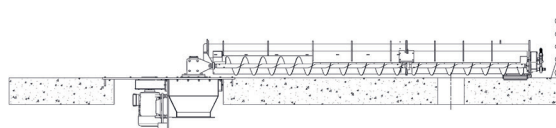
RANGE

SPIROGYRE

ATEX certification



SPIROGYRE S TYPE



SPIROGYRE SCD TYPE

RANGE	S140	S170	S210	S230	S260	S290	SCD170	SCD210	SCD230	SCD260	SCD290	SCD350
Ø max silo ► product/ density ▼	Ø15m	Ø18m	Ø32m				Ø18m	Ø32m				Ø38m
Wheat Corn 0,75	25 TPH	50 TPH	80 TPH	100 TPH	150 TPH	200 TPH	25 to 50 TPH	35 to 80 TPH	90 to 100 TPH	105 to 150 TPH	160 to 200 TPH	200 to 300 TPH
Barley Oat Rapeseeds 0,65	-	40 TPH	65 TPH	80 TPH	125 TPH	180 TPH	20 to 40 TPH	30 to 65 TPH	70 to 80 TPH	85 to 125 TPH	125 to 180 TPH	150 to 230 TPH
Sunflower seeds 0,50	-	20 TPH	30 TPH	40 TPH	60 TPH	90 TPH	15 to 20 TPH	20 to 30 TPH	35 to 40 TPH	45 to 60 TPH	70 to 95 TPH	110 to 140 TPH
Soya beans* Peas* Beans* 0,75	-	-	50 TPH	60 TPH	95 TPH	115 TPH	20 to 30 TPH	30 to 50 TPH	55 to 60 TPH	70 to 100 TPH	105 to 125 TPH	175 to 220 TPH
Rice without husk* (non-abrasive) 0,75	-	-	-	-	-	-	20 to 35 TPH	35 to 50 TPH	45 to 65 TPH	70 to 105 TPH	95 to 130 TPH	190 to 235 TPH

TPH: Tons per hour

These flow rates may vary depending on the products stored and are calculated for motors supplied at 50 Hz.

* Reinforced type required, the SCD type is preferable

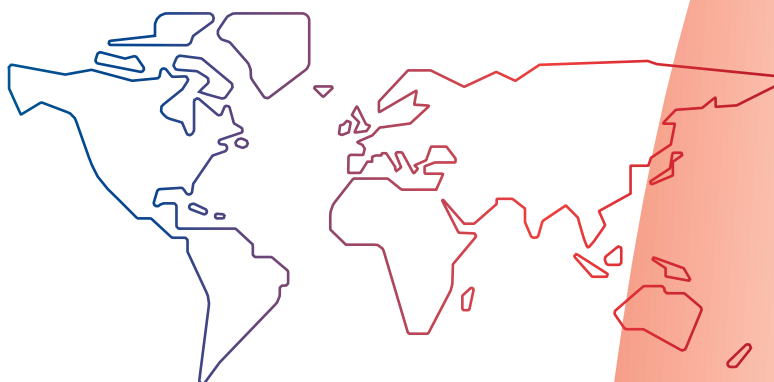
Please consult us:

- for discharge capacities > to 300 TPH
- for pellets

FOUNDED IN 1865,

Morillon is the European specialist of silo unloading systems.

Our services include design, manufacture in our workshops, commissioning, and maintenance worldwide.



48, rue des Mauges
Andrézé - 49600
Beaupréau-en-Mauges
France
t. +33 (0) 241 56 50 14
contact@morillon.eu

www.morillonsystems.com

MORILLON DO BRASIL ●●●

MORILLON UNITED KINGDOM ●●●

