

# Silo sweep auger

# SPIROGYRE

- Robust construction
- Reliability
- Economical



The SPIROGYRE in its parked position - close to the silo door and over the trench.

## SPIROGYRE TYPE "S"

The electric motor is mounted vertically over the pivot and drives the screw through an angled gear box. This design eliminates the need for a traditional transmission system (belt or chain), reducing the source of wear, heat and possibly sparks.

The electric motor and the rotary collector are protected by a casing. ▶

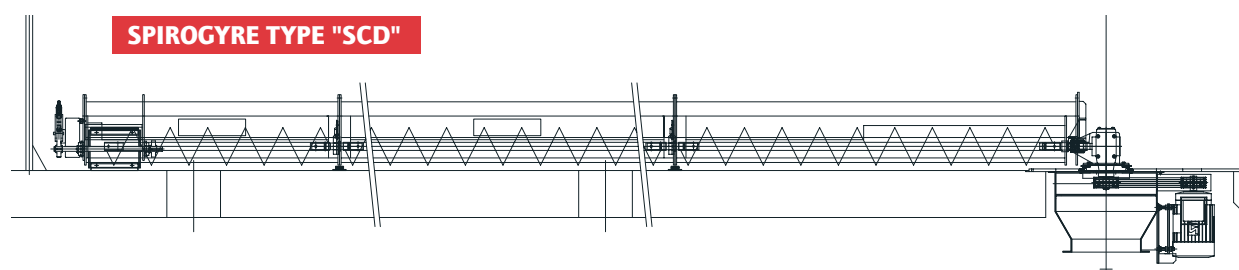
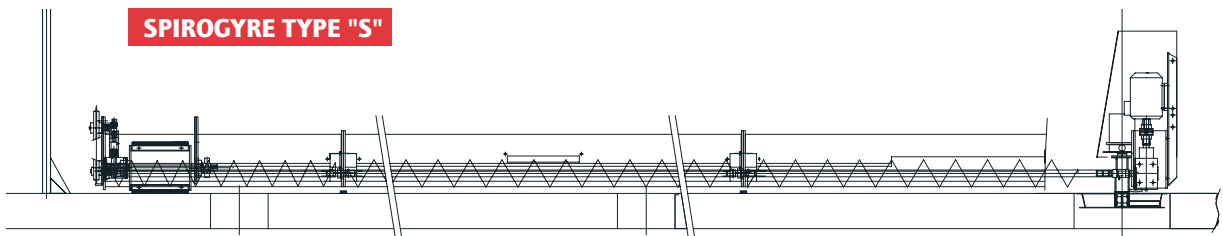
The central hopper is fixed and accommodates the silo axle that supports the pivot on which the first part of the screw connects.



A cover houses the box section construction that maintains the rigidity of the machine and limits the filling of product to enable the screw to start under the remaining grain once the gravity discharge has been completed. The screw capacity is adjusted with retractable windows provided in this cover.

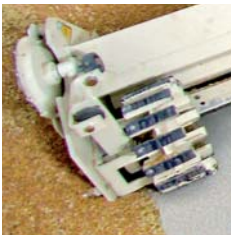


The MORILLON silo sweep augers are designed for cereals, paddy rice, oil seeds and possibly for pellets such as wood.

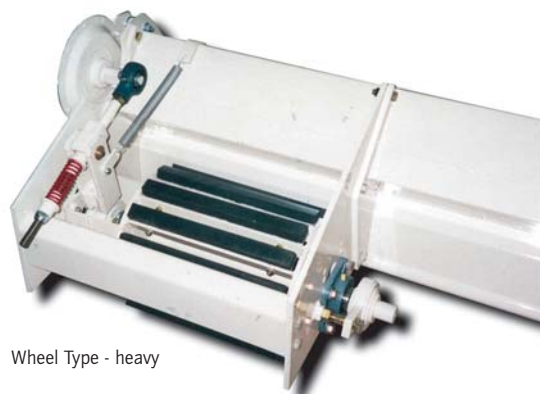


**Light or heavy type wheels for the advance :**

The movement around the silo is ensured by one or multiple special wheels designed with rubber plates. The system is driven by the remaining torque at the end of the screw. The transmission comprises of a reducer combined with an eccentric arm, a spring allows adjustment of the torque applied to this wheel.



Wheel Type - light

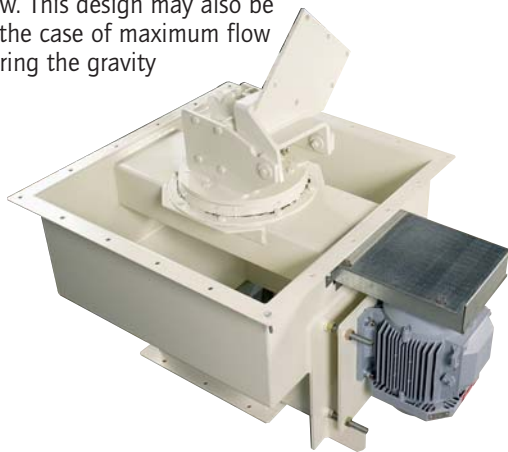


Wheel Type - heavy



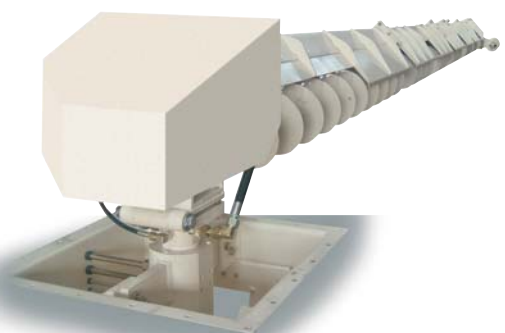
## SPIROGYRE TYPE "SCD"

The electric motor is fixed to the lower part of the hopper under the silo. The advantage is to have more space available for the material flow. This design may also be required in the case of maximum flow capacity during the gravity discharge.



## OPTION HYDRAULIQUE

**OPTION HYDRAULIC DRIVES :** For the most difficult situations, the SPIROGYRE can be fitted with a hydraulic transmission. MORILLON capitalise on their experience for difficult to flow materials based on the HYDRASCREW (hydraulic screw unloader). The hydraulic design gives direct transmission at low speed with high torque for start up.



S.SCD



**MORILLON**  
SILO UNLOADING SYSTEMS

The **SPIROGYRE silo sweep auger** is designed to **reclaim easy flowing materials** from flat bottom silos once the gravity discharge has been completed.



## MORILLON SAS

Founded in 1865, MORILLON are the European specialists of silo discharge equipment. Their scope of supply includes the design, the manufacturing in their workshop in France and the commissioning and the maintenance of machines worldwide.

### NOS DOMAINES D'INTERVENTION :

#### Two main product ranges :

**HYDRASCREW range :** Hydraulic screw dischargers for difficult to flow materials in flat bottom silos ranging from 2 to 20 meter in diameter.

**SPIROGYRE range :** Industrial silo sweep augers to reclaim easy flowing materials once the gravity discharge has been completed, stored in flat bottom silos ranging from 5 to 35 meter diameter.



Silo sweep auger **SPIROGYRE**

**S•SCD**

