

**ORTHOBLOC  
GEARED  
BRAKE MOTOR**



**The complete solution  
for conveying applications**

**D**riving loads in complete safety at a precise speed or at high operating rates requires absolute control of the power transmission devices. To this end, over the past thirty years, **LEROY-SOMER** has developed a complete range of customized products for all types of handling application.

In the field of **conveying**, **LEROY-SOMER** offers the user **complete high-performance drive system solutions** since all the components used have been designed to work together totally reliably.

For this application, **LEROY-SOMER** therefore specifically recommends its **ORTHOBLOC geared brake motor with helical bevel and perpendicular output** which benefits from greater efficiency than belt and pulley solutions: belt and pulley = 80% and geared motor = 95%.

Supplied ready for use and full of oil, this assembly, which is installed parallel to the transporter, is extremely compact and can easily be coupled to the conveyor. Its hollow shaft, fitted with a mounting/removal system and its shaft mounting result in a saving of approximately 60% on the assembly time.

In direct compliance with the standards relating to the protection of rotating parts (especially the cover of the hollow shaft on the opposite side from use), the **ORTHOLOC gearbox** can be associated with a **brake motor** in the **LEROY-SOMER** range with aluminium or cast iron frame, for operation in normal, harsh or very harsh conditions.

Delivered within a quick timescale to meet the needs of users (8 working days, 0.25 to 15 kW, for reduction ratios from 10 to 160), this system has the following characteristics:

- **ORTHOLOC gearbox**: reduction ratios from 10 to 160
- **FCR or FCPL brake motor**: 0.25 to 75 kW power rating, with 4 poles