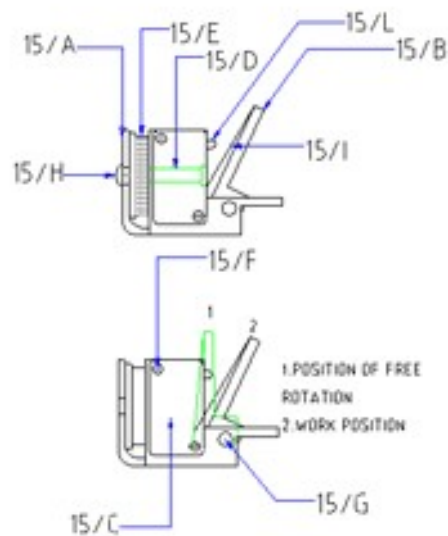
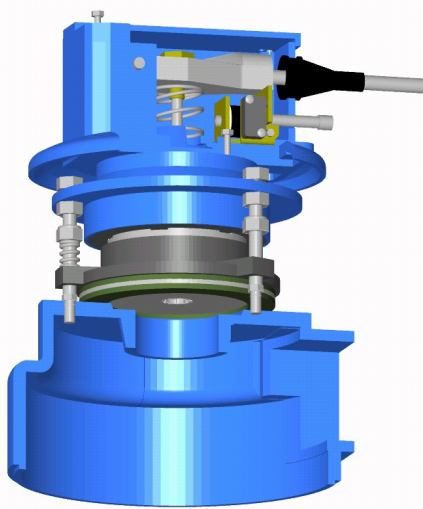


FREE JIB SLEWING SAFETY MODULE

The sturdiness of the mechanism and the presence of the dowel , 15/G allow regulations of the brake motor till 1740 N , without the dowel 15/G suffer deformations or breakups.

The cable to 4 numbered conductors (1 , 2 , 3 , 4) colleague the conductors 1 and 2 to the spool of the disengaged an the conductors 3 and 4 to the terminals of a micro switch No (normally open) .



After having correctly performed the installation and regulation of the electric disengaged , with the brake of the motor still closed , the mobile anchor 15/B are prevented by the lever of unblocking 3 , to close the micro switch.

The micro switch through an appropriate circuit , points out a closed brake (figure 1).

The necessary actions for the electric disengaged of the brake are the followings :

1. - Feed the brake of the motor;
2. - Feed the spool 15/E : the mobile anchor 15/B are attracted by the electromagnet 15/E , and it brings in the position 1;
3. - Remove the feeding of the brake;
4. - Remove the feeding of the spool 15/E.

The mobile anchor (15/B) jammed under the lever 3 assure the permanent mechanic disengaged of the brake of the motor . The micro switch 15/L signal the position of the open brake (figure 2).



The system is electrically inhibited with the first command of rotation of the crane and in absence of current throwing up the leverage of manual unblocking [3]. The micro switch 15/L and the spring 15/I bring the mobile anchor 15 in the position of rest. The spring 15/I doesn't allow the anchor 15/B to stay inserted, unintentionally, under the unblocking leverage [3].

When the current has not be fed, it is possible, the manual disengaged of the brake, pushing upward the unblocking leverage [3] and pressing the button [6] so the anchor mobile 15/B has been locked under the leverage [3].

