



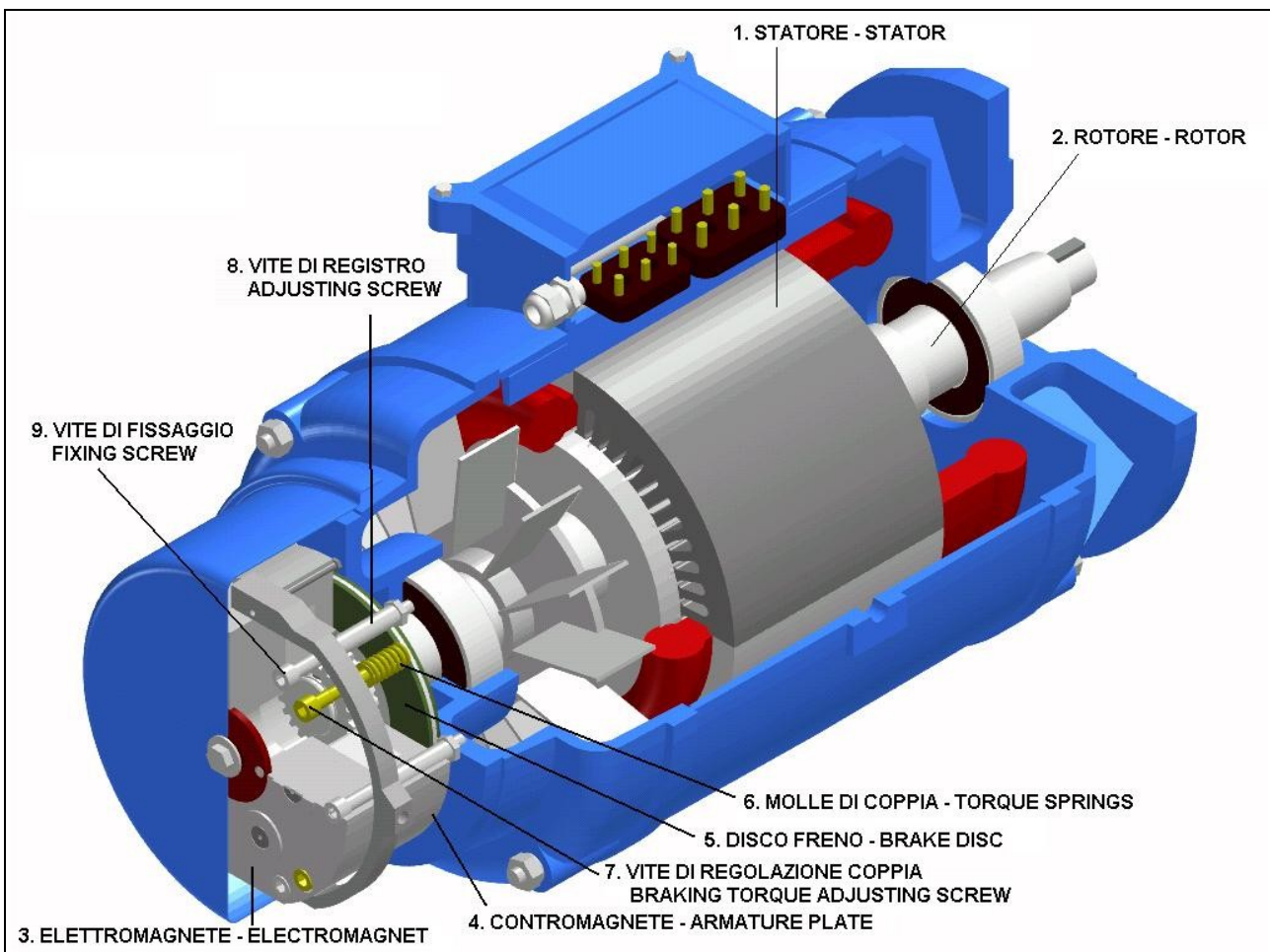
Maintenance and fixing

Frequent control inspections of brake are needed for any of its components.

Anyway, wear of frictional material depends on a many factors, mainly inertia of loads, revolving speed of the motor and frequency of inspections.

It's indispensable to replace disc when consumption of frictional material is equal or greater than 3 mm.

Air gap adjusting must be done by acting on the adjusters [8] and on the fastening screws [9].



Brake-inspection operations must be accomplished while brake is electrically disconnected and only after having verified grounding connection, following what shown adjusting



instructions.

The good brake job can be assured only with the original components furnished by our Company.

Note: whenever air gap reaches a value of 1,0mm, an adjustment to $0,2\div 0,3$ mm it's required. In case of a braking torque adjustment different from the nominal one, please control that stroke of the disengagement screw is always greater than maximum distance from the air gap.

Airgap Adjustment

Air gap adjustment is done by acting on the fastening screws [9] after adjusters [8] have been loosened. If adjustment is done after a turn of work, please control that body of brake **it's not overheated**.

Ideal air gap adjustment value is $0,2\div 0,3$ mm with a tolerance of ± 0.05 mm.

Expansion of air gap caused by consumption of frictional material modifies brake performances.

Note: overcoming of air gap maximum value leads to a degeneration in brake performances.

Missing restoration of air gap leads to a non-release of braking system, to a overheating of frictional material and to the consequent burning of brake and motor.

Contraindications

Correct functioning of brake can be guaranteed when it's used at ambient temperature.

In case of brake being used in oily rooms or at temperatures different from the ambient one, please contact our engineering department.

Note: Minimum torque adjustment MUST always be greater than 30% of nominal torque.



Braking Torque Adjustement.

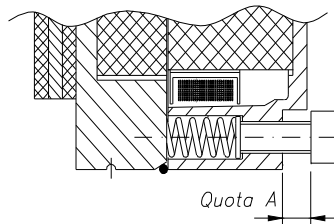
AC-class brake allows variation of functioning braking torque. Customers can establish the braking torque closer to their very needs in function of load, revolving speed and time of braking.

If your load allows it, then a lower than 100% braking torque adjusting will lead to a decreasing in

wear of the brake friction material.

In the table below the Nm. braking torque has been reported according to the distance between the adjusting screws and the Electromagnet (see the draw) .

If the weight or the charge on the crane is under the allowed, a torque set-up under 100% will decrease the consumption of brake disc.



Quote "A" (mm.)	6,00	5,00	4,00	3,00	2,00	1,00	0,00
Max Torque (Nm.)	23,4	42,8	64,3	85,7	107,1	128,6	150,0