









This manual is applicable only to P Temporiti brakes. For further information visit the website www.temporiti.it or contact the technical office.

1- Symbols

Symbol	Meaning	Description
	DANGER!	Danger of personal damage caused by a general source of danger It refers to an imminent danger that could give place to serious personal damage or death if the correspondent measures of protection are not respected.
	RISK OF ELECTROCUTION!	Danger of personal damage caused by high electrical voltage It refers to an imminent danger that could give place to serious personal damage or death if the correspondent measures of protection are not respected.
	STOP!	Danger of property damage It refers to an imminent danger the could give place to property damage, if the correspondent measures of protection are not respected.
	NOTE!	Important note to ensure troublefree operation
	TIP!	Useful tip for simple handling

2- General Alerts

	THE BRAKE IS DESIGNED TO GUARANTEE, WHILE RESTING AND THROUGH THE BRAKING TORQUE SPRINGS, THE INTRINSEC SAFENESS EQUAL TO ITS Nm PLATE VALUE	The brake function of the brake is to stop rotational movement of a shaft, according to the operating specifics on the site www.temporiti.it . The use of appropriate safety devices is left to the machine manufacturer (partly completed machinery).
	FEEDING VOLTAGE	The brake feeding voltage may vary of a $\pm 6\%$ in observance to the nominal tension signed on the label. The electromagnet requires a tension near the nominal value: an insufficient tension may cause a general bad working of the brake.
	ROOM TEMPERATURE	The room temperature for the brake correct working is between 5°C and 40°C. Call technical office for different or further requirements.

3- Toolbox

To follow without troubles the following manual, you need the following tools:



Allen key set



Dynamometrical key



Thickness gauge set



USE STANDARD KEYS

Use standard keys only, without the help of extensions to have a correct bolts and nuts tightening.

4- Static Torque Values




	P0	P1	P2	P3	P4	P5	P6
Nominal Static Torque [Nm]	0.5	5	14	30	60	120	220

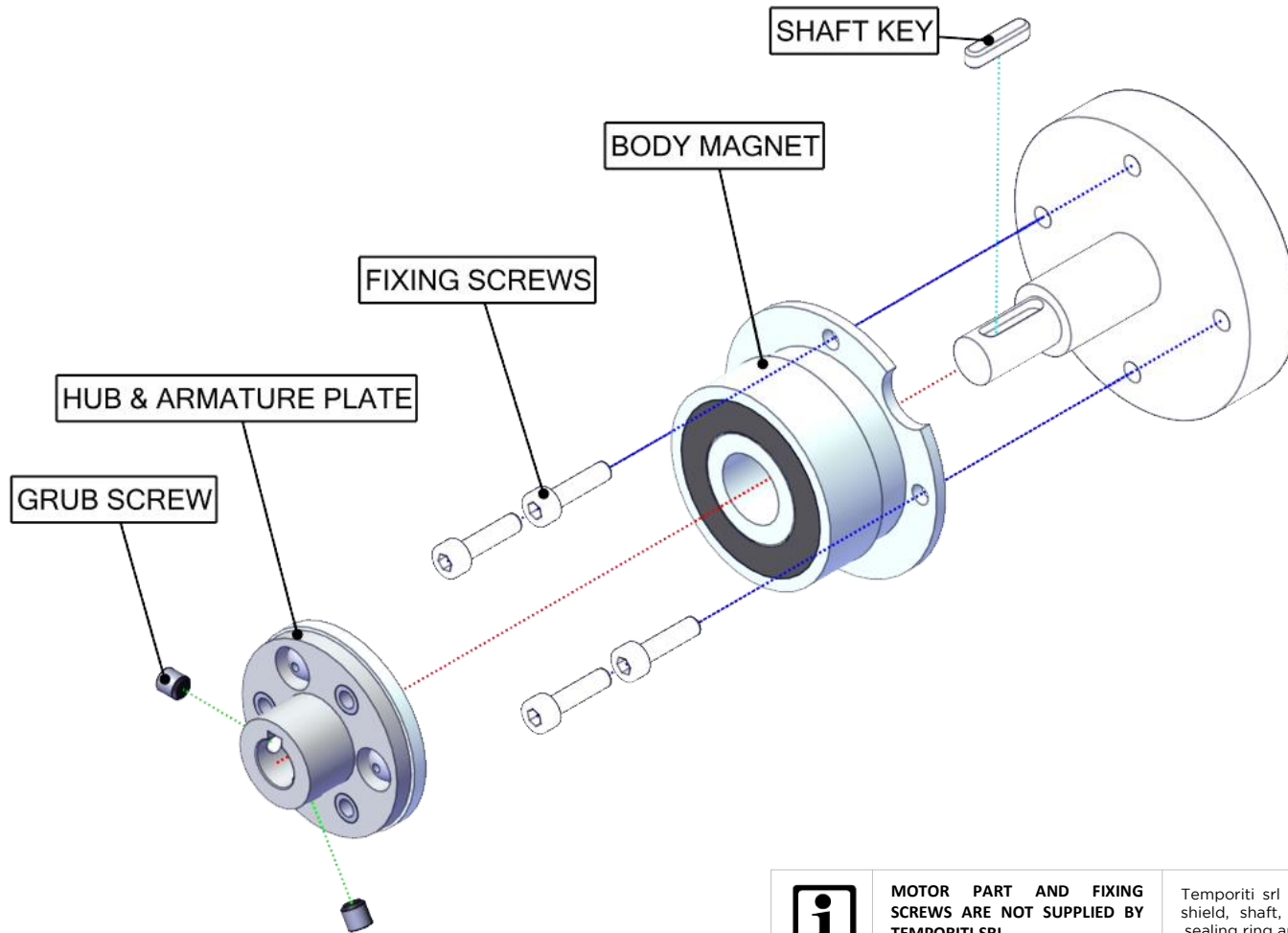


BRAKE RUNNING-IN

The braking static torque value of the brake without the running-in period may have up to -20% of the plate value.
Always run-in the brake before use

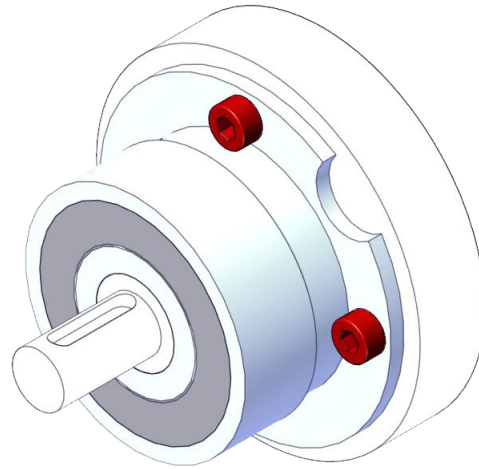
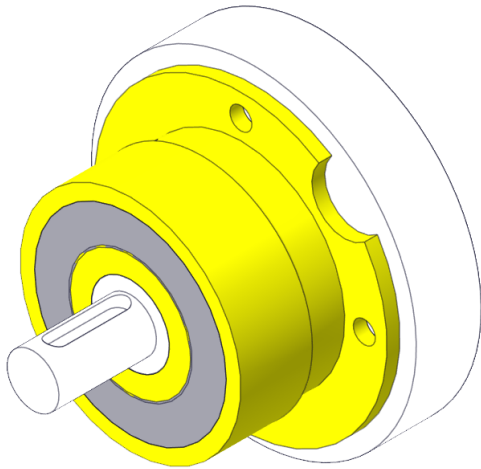
5- Installation and Regulation

	KEEP METICULOUSLY THE DIRECTIONS ON THE PRESENT MANUAL	Adjusting operations carried out without following the operations of this manual, lead to a bad brake working.
	DISCONNECT THE BRAKE FROM POWER SUPPLY	Carry out the inspection, servicing and adjusting operations only after the brake electrically disconnection.
	SURFACES CLEANING	Good plane and braking surfaces cleaning, by using de-greasers that do not leave oily wasters, is necessary for good brake performance

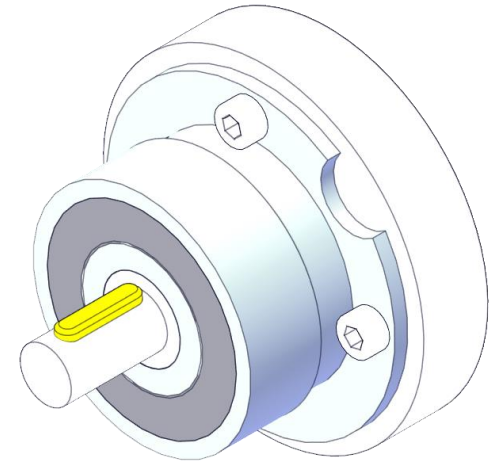


 **MOTOR PART AND FIXING SCREWS ARE NOT SUPPLIED BY TEMPORITI SRL**

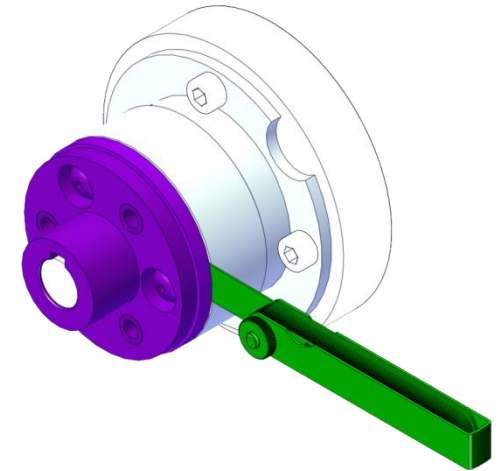
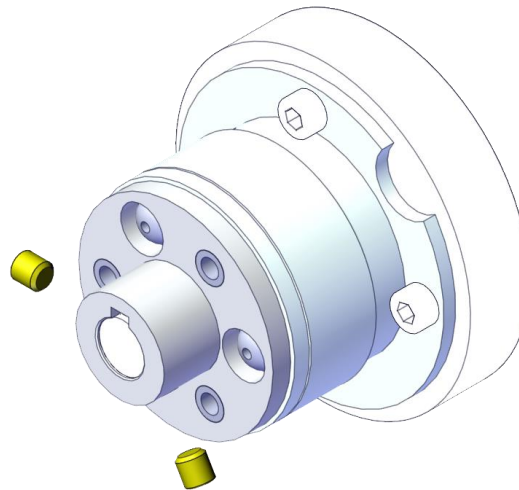
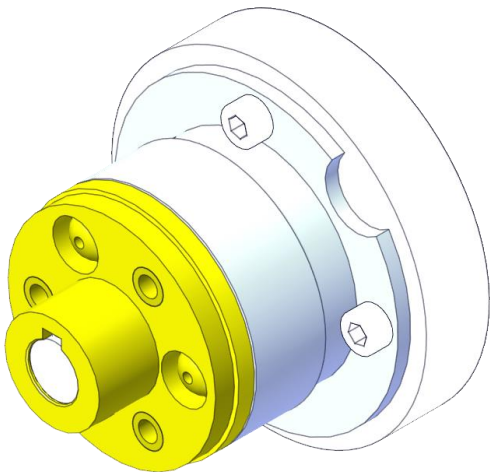
Temporiti srl does not supply motor parts as n-shield, shaft, fan cover, shaft key, hub seeger ,sealing ring and brake fixing screws



7 TORQUE CHART
VALUES*



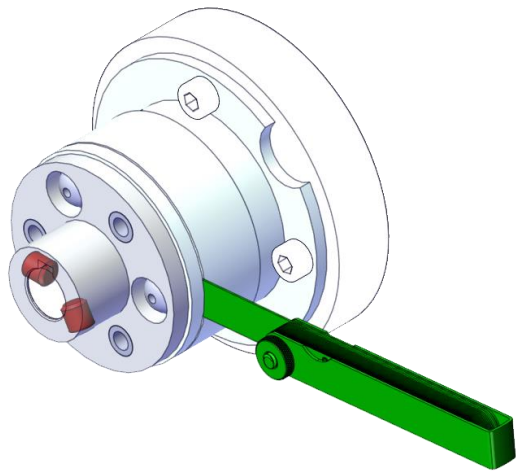
To see the right torque value, follow the chart at page 5



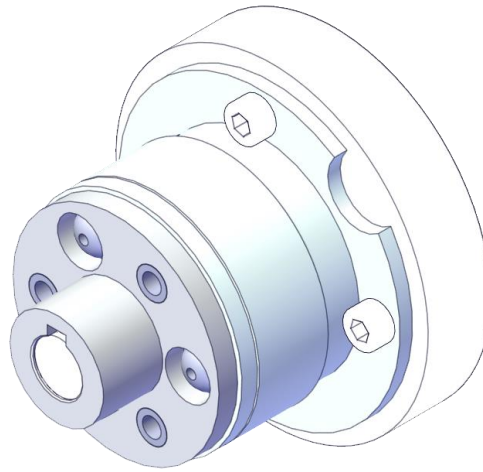
AIRGAP CHART
VALUES* STOPPED FEELER*



•To choose the right thickness gauges dimensions, follow the chart at point 5.2, page 7 and use **airgap value** as thickness gauge dimension for this step.
•Adjust the brake hub & armature plate until you stop the feeler movement



2 TORQUE CHART
VALUES*



**CONNECT THE
BRAKE TO POWER
SUPPLY AND TEST
BRAKE
FUNCTIONING**

*To see the right torque value, follow the chart at page 5

5.1- Torque Values

FIXING SCREWS TORQUE CHART (1)							
	P0	P1	P2	P3	P4	P5	P6
Tightening torque of fixing screws [Nm]	2.0	3.0	4.75	8.0	8.0	0.25	0.30

GRUB SCREWS TORQUE CHART (2)							
	P0	P1	P2	P3	P4	P5	P6
Tightening torque of grub screws [Nm]	2.0	4.0	4.0	7.5	8.0	18.0	18.0



Remove



Install



Adjust



Measure



Torque

5.2- Airgap values

AIRGAP CHART							
	P0	P1	P2	P3	P4	P5	P6
AIRGAP VALUE [mm]	0.15	0.15	0.2	0.2	0.2	0.25	0.3

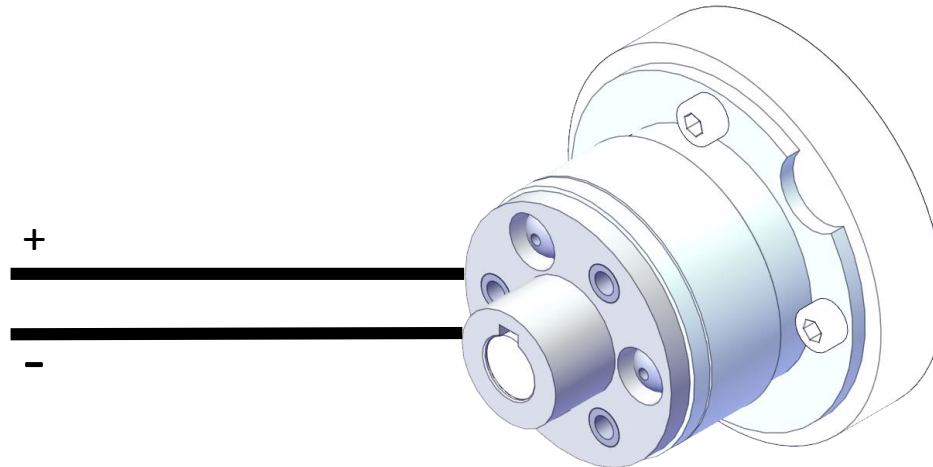


THICKNESS GAUGE POSITIONING

For a correct airgap measuring, the thickness gauge has to be positioned in correspondence of the magnet surface and not on the external border of the magnet container or resin

5.3- Electrical connection

Connect the brake to motor following the following schema:



6- Servicing

A frequent brake inspection is necessary for all parts as the wear depends on a series of factors and mainly on the load inertia, the shaft speed and the operation frequency. Verify the main parts of the brake group and, in case, replace them with original spare parts supplied by Temporiti SRL. Servicing may be roughly determined according to what is pointed out on the site.

7-Disposal and recycle information



Recycle in eco-friendly way the packaging, metals and all the parts of no longer working brakes.

DO NOT THROW USED ELECTROBRAKES, OR PARTS THEREOF IN THE HOUSEHOLD RUBBISH!

Dispose separately from household rubbish the friction material (asbestos-free) after removing it from the metal part of the disk with a proper tool. Remove the resin from the electromagnet with a proper tools and dispose of it in accordance with current law regulations. According the European Directive 2002/96/CE on waste electrical and electronic equipments (RAEE) and its implementation of national law, the electrical equipments no longer usable must be collected separately and must be sent to a recycling step