This document is applicable only to K0xF-SR Temporiti brakes. For further information contact the technical office.

SYMBOLS AND 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

	THE BRAKE IS PROJECTED TO GUARANTEE, WHILE RESTING AND THROUGH THE BREAKING TORQUE SPRINGS, THE INTRINSEC SAFENESS EQUAL TO ITS Nm LABEL VALUE.	The electromagnetic brake model "K0xF-SR" is a spring applied, power continous current brake. The 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 feeding voltage of the brake may vary of a ±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 electro-brake.
	ROOM TEMPERATURE	The room temperature for the correct working of the brake is between 5°C and 40°C. Call the technical office for different or further requirements.
	HANDLING	Handling of the product must be carried out without compromising the position and integrity of each part of the brake
	MAINTENANCE	Maintenance must be performed by personnel qualified by Temporiti Srl or directly by Temporiti Srl

BRAKE STATIC TORQUE

	K01F-SR	K02F-SR	K03F-SR	K04F-SR	K05F-SR	K06F-SR
STATIC TORQUE [Nm]	4.5	10	16	20	40	60

	BRAKE RUNNING IN	The value of the static braking torque of the brake without the running-in period may have up to – 20% of the plate value with standard friction material and up to -35% with the antisticking one. Always run in the brake before use.

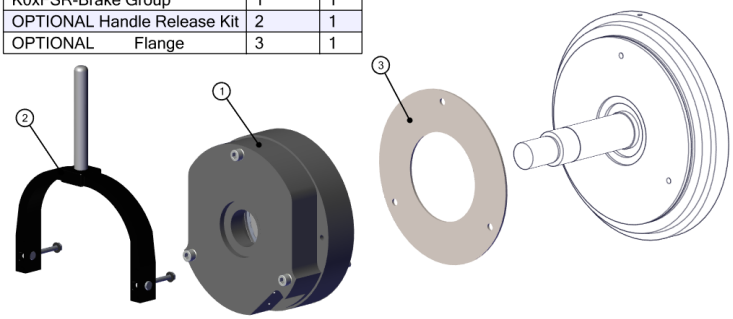
INSTALLATION

	KEEP METICULOUSLY TO THE DIRECTIONS ON THE PRESENT MANUAL	Adjusting operations carried-out without following the operations that follow lead to a bad working of the brake.
	DISCONNECT THE BRAKE FROM POWER SUPPLY	Carry-out the inspection, servicing and adjusting operations only after electrically disconnecting the brake.
	CLEANING OF THE SURFACES	Good cleaning of the braking surfaces and planes by using de-greasers that do not leave oily wastes, is necessary for a good performance of the brake.
	BRAKING SURFACE ROUGHNESS	The brake application braking surface roughness has to be ≤1,6µm

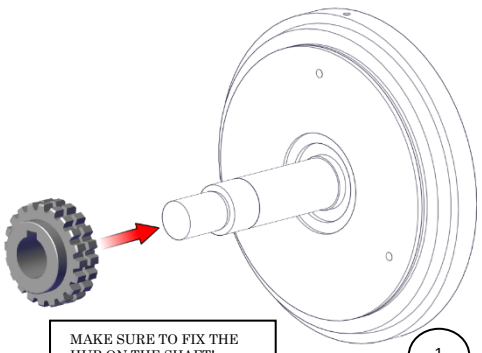
				USE STANDARD KEYS ONLY WITHOUT THE HELP OF EXTENSIONS TO HAVE A CORRECT TIGHTENING OF THE BOLTS AND NUTS
Allen key	Dynamometrical key	Multimeter		

	DO NOT FIX ANYTHING TO THE MAGNET AS NOT TO INTERFER WITH ITS CORRECT WORKING

Descrizione	ID BOM	Qtà
K0xFSR-Brake Group	1	1
OPTIONAL Handle Release Kit	2	1
OPTIONAL Flange	3	1

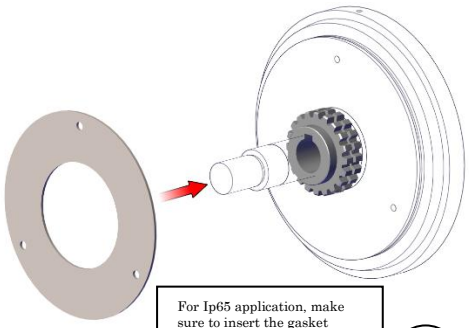


All illustrations are for illustration only and may not accurately depict thea ctual brakes



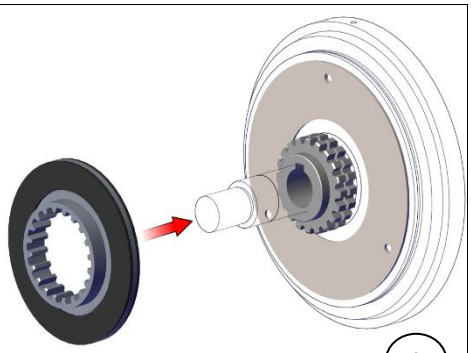
MAKE SURE TO FIX THE HUB ON THE SHAFT!

1



For Ip65 application, make sure to insert the gasket between the hand-shield and the flange

2



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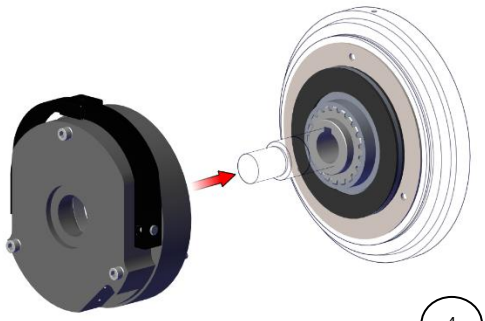

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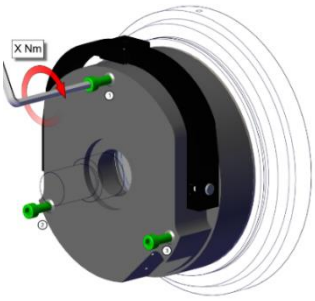
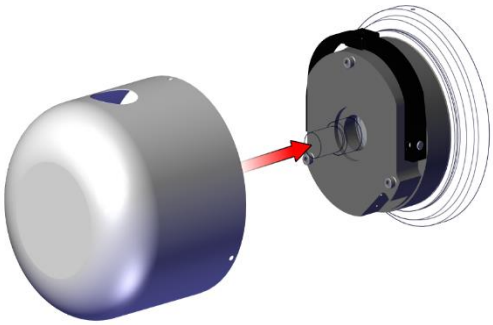


Look the Fixing Screw Torque table below

5

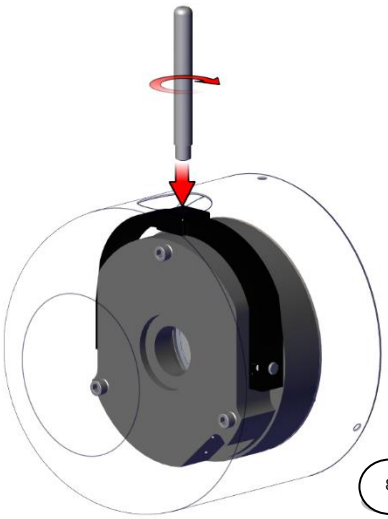
CONNECT THE BRAKE TO POWER SUPPLY AND TEST BRAKE FUNCTIONING

6



7

IF NECESSARY, ASSEMBLE THE FAN ON THE MOTOR



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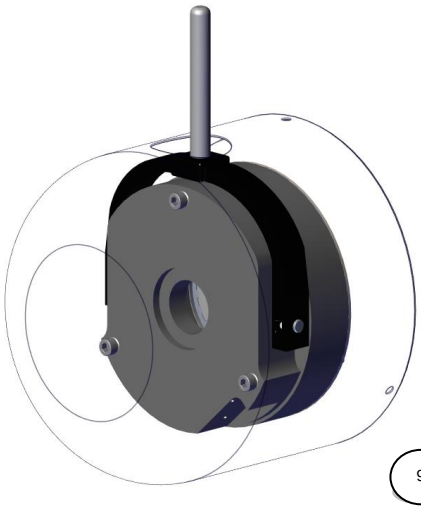

9

FIXING SCREW TORQUE (X)

At point 5 on manual above use this torque values to lock the fixing screws

	K01F-SR	K02F-SR	K03F-SR	K04F-SR	K05F-SR	K06F-SR
X [Nm]	3	6	6	10	10	23

MAINTENANCE

The brake disc must be replaced after a consumption of the fiction material, that is when the MJ values of written in the chart below are reached
It is means that a calculation of brake disc life has to be done to know when perform maintenance on the brake

	K01F-SR	K02F-SR	K03F-SR	K04F-SR	K05F-SR	K06F-SR
MAX MJ CAN BE DISSIPATED [MJ]	65	274	218	218	351	406

Disassemble the brake from the motor, doing backward the points of the installation up to phase 3. Change the old disc with the new one and follow the phases of installation until the brake is completely reassembled on the motor (point 9)

DISPOSAL AND RECYCLE INFORMATION

	RECYCLE IN ECO-FRIENDLY WAY THE PACKAGING, METALS AND ALL THE PARTS OF NO LONGER WORK 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.