

Электромеханические пружинные тормоза серии LIFT

Инструкция по сборке

По вопросам продаж и поддержки обращайтесь:

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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 that 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

		
	FEEDING VOLTAGE	The brake feeding voltage may vary of a $\pm 10\%$ 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

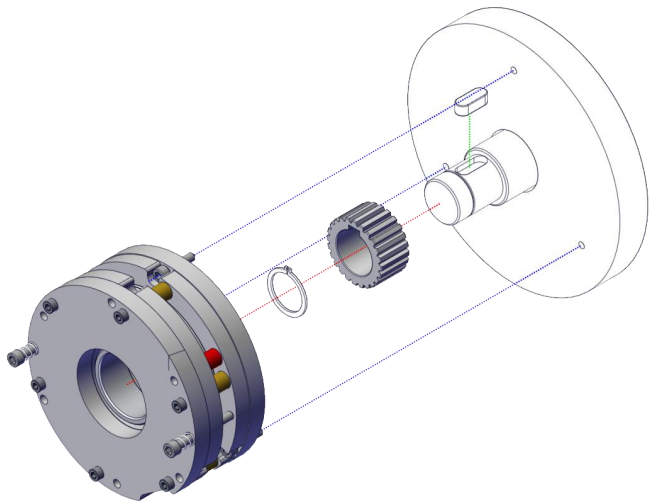
	USE STANDARD KEYS	Use standard keys only, without the help of extensions to have a correct bolts and nuts tightening.
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4- Static Torque Value

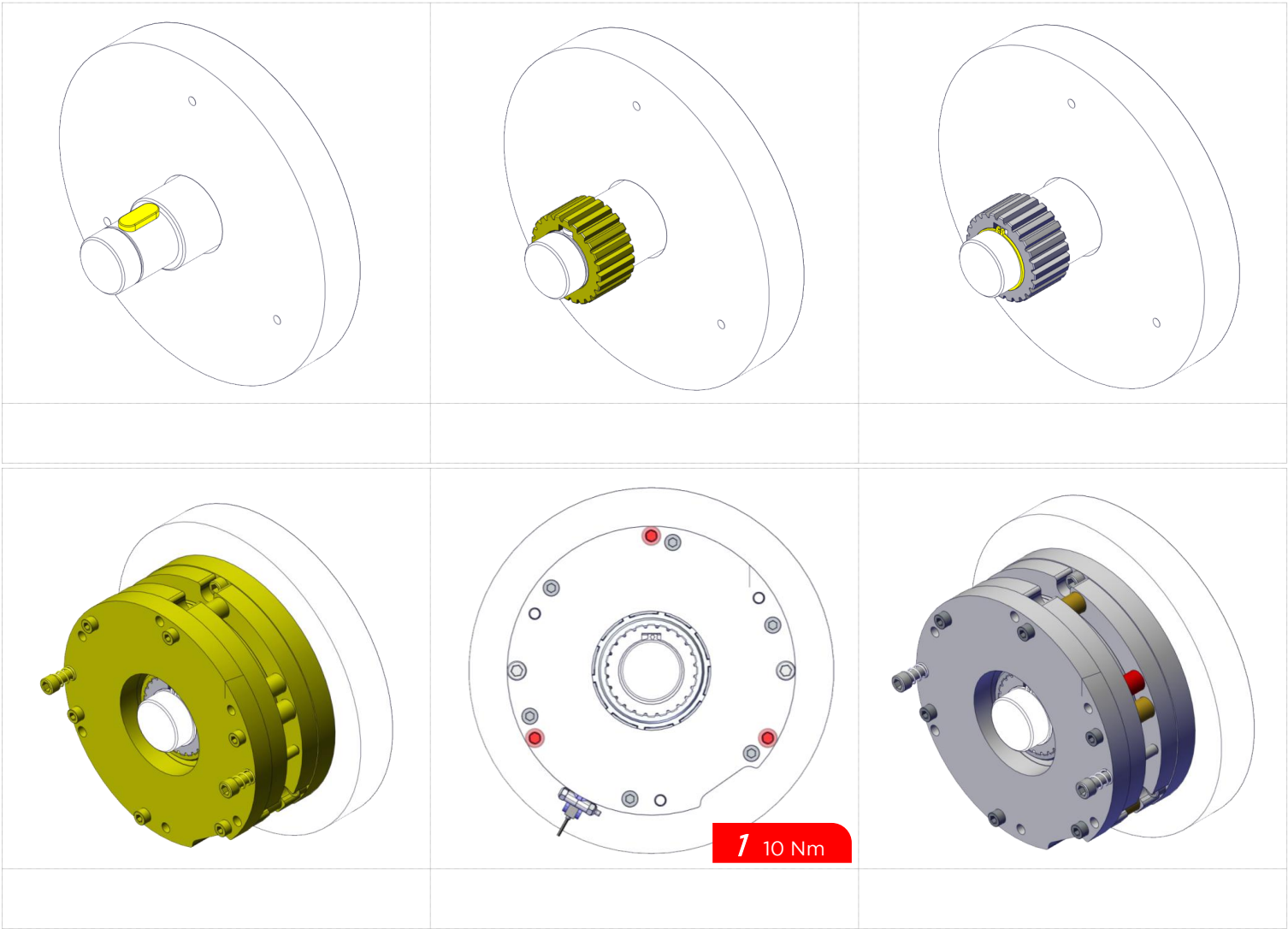
LIFT 100 DB	100 Nm	30 ms	35 ms	40 ms	500 rpm	5,5 m/s ²
LIFT 150 DB	500 Nm	30 ms	50 ms	65 ms	500 rpm	6,9 m/s ²
LIFT 250 DB	640 Nm	35 ms	60 ms	95 ms	500 rpm	5,0 m/s ²
LIFT 320 DB	960 Nm	25 ms	55 ms	105 ms	500 rpm	4,48 m/s ²
LIFT 480 DB	1500 Nm	70 ms	115 ms	175 ms	500 rpm	4,79 m/s ²
LIFT 720 DB LIFT 1000 DB	1600 Nm	115 ms	165 ms	245 ms	500 rpm	5,54 m/s ²

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 electrical 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

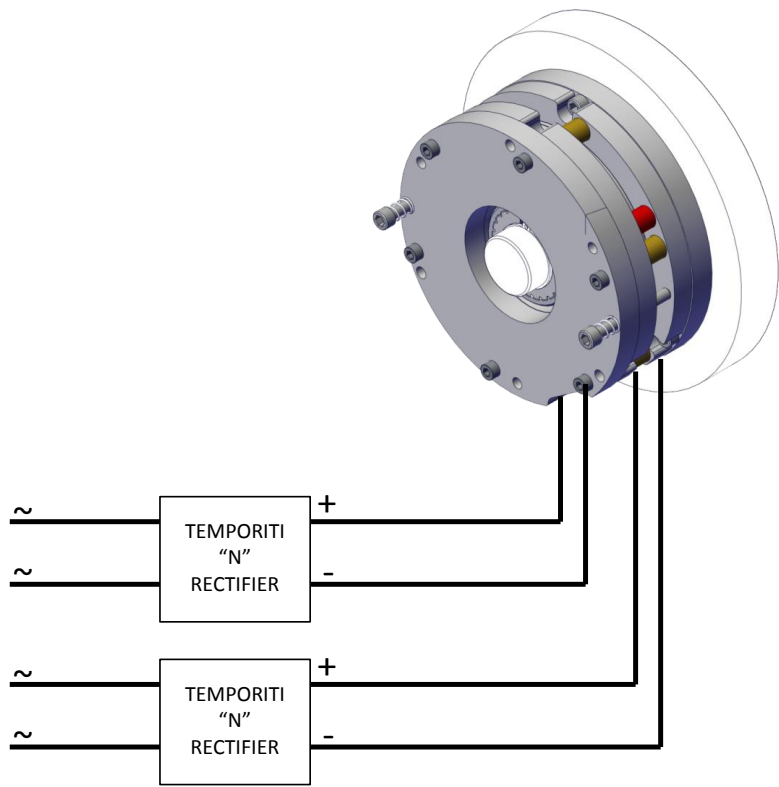


	MOTOR PART NOT SUPPLIED BY TEMPORITI SRL	Temporiti srl does not supply motor parts as n-shield, shaft, fan cover, shaft key, hub seeger and sealing ring
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5.3- Electrical connection

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.

6.1- Brake replacement

The brake must be replaced after a consumption of friction material ring, that is when the minimum total thickness value is reached.

Disc replacement thickness limit - B [mm]		
BRAKE SIZE	L100	
THICKNESS LIMIT [mm]	11.8	

6.2- Maintenance

	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 electrical 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



 Remove  Install  Adjust  Measure  Torque

INSPECTION AND MAINTENANCE TIME	
INSPECTION THEORETICAL TIME	MAINTENANCE THEORETICAL TIME
5min for disc thickness checking with technician in front of the brake	15min for brake sostitution with technician in front of the brake

RISK HYPOTHESIS	
RISK	ACTION TO DO
No signal by microswitch	Contact Temporiti srl

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