

# ECip-N

## Electric Torque Multiplier



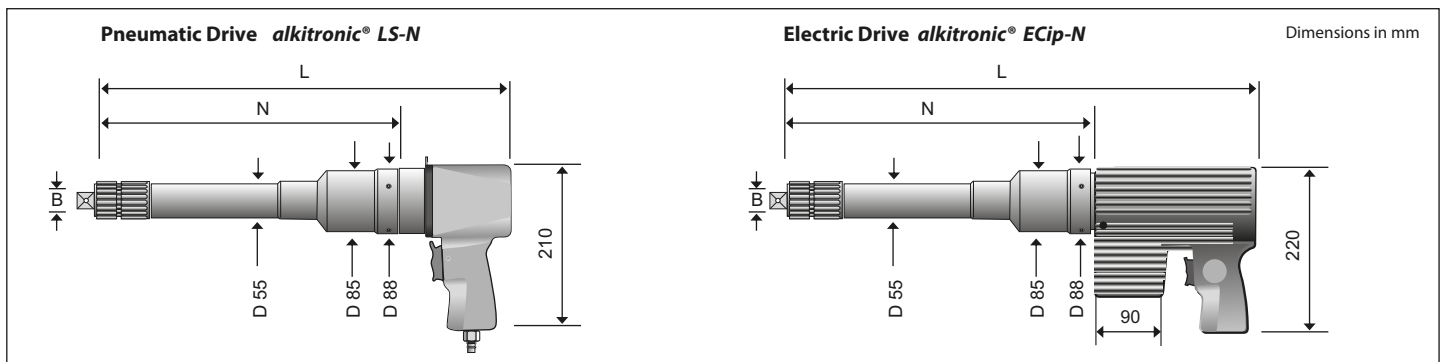
### Application and Advantages

Pneumatic and electric torque multipliers for seated bolting of heavy vehicles (mining industry). Continuously rotation by tightening and loosening bolted connections. Torques up to 3.000 Nm / 3.500 Nm, dependent on typ.

- **Economic, safe operation.**  
No weather-related costly downtime
- **Comfortable operating.** The motor unit can be rotated 360 degrees. One handed operation with CW/CCW.
- Heavy duty, rugged housing made of cast aluminum
- Electrically powered models with **protection IP54:**
- Maintenance-free brushless synchronous motor
- **Precise shut-off** torque and constant torque accuracy in all international power network and by operation with mobile power units.
- Air powered models:  
Ideal for use in **explosion-proof working environment.**  
**ATEX** approval on request.
- **World's proven** reliable pneumatic drive motor



### Technical Data



Models N-Tools		Drive pneumatic	Drive electric
<b>Typ- N</b>		LS 250 N	ECip 220 N
Torque range approx.*	Nm	1180-3460	510-2915
	ft.lbs	869-2553	376-2150
Square drive	B	1"	1"
Length L	mm	490	560
Length N **	mm	350	350
Weight without support approx.	kg	12,6	13,6
Idle speed approx.	r/min	9,8	9,8

\*) When loosening a bolted connection, up to 20% higher torque may be required (loosening torque). We will gladly advise you in detail. \*\*) Standard length, other extensions upon request

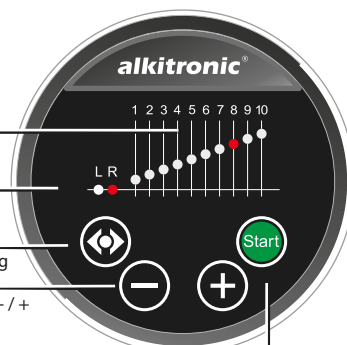
**Models ECip-N:** Protection class IP 54, input AC 100 V - 253 V, frequency 45 Hz - 66 Hz power max. 2kW. Repeat shut-off accuracy ± 3% for the same bolting application

**Models LS-N:** Ideal operation by a pressure of only 2-7 bar and a volume flow of 10-15 L/s



#### Operation panel ECip-N

- Display torque pre-settings according index datasheet or torque table,
- LED Indication CW/CCW direction
- CW/CCW direction setting
- Torque values setting - / +
- Start / continuous operation



#### Accessories LS-N

Maintenance unit with filter, regulator and oiler as well as air hose 5 m long including all connections. To secure a long life of motor to put some oil from time to time is recommended.



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### **Manual**

