

N-Tools

Torque Multipliers for
Mining Trucks



Applications

alkitronic® N-Tool torque multipliers facilitate and speed up wheel changes on transport vehicles with torques up to 3,500 Nm. For example, on dump trucks with deep-bed rims in open-cast mining or on buses and lorries.

Advantages

- Economic, safe operation. **No weather-related costly downtime.**
- **Permanently higher joint quality** (compared to impact and hydraulic wrenches) by continuous rotation of the square drive.
- **Comfortable, stress-free working.** The motor unit can be rotated 360 degrees. One handed operation with CW/CCW.

PC-N, pneumatic driven Models:

- Heavy duty, rugged housing made of cast aluminum.
- Ideal for use in explosion-proof working environment.
- World proven reliable pneumatic drive motor.

EB-N, Li-Ion battery models with release function:

- **Ergonomic design and high quality materials:** Ultra grippy and non-slip housing, break-proof and corrosion-resistant. Compact and secure mounting of electric motor and gearbox in aluminium profile housing.
- **High quality bolting:** The brushless synchronous motor with excellent efficiency and the smart processor-controlled automatic shutdown ensures amazing increased productivity and **low running costs.**
- **alkitronic® Smart Service** - perfect documentation of the bolting cases.
- **Maximum flexibility:** thanks to optional application-specific, modular software packages.
- **Repeat shut-off accuracy $\pm 3\%$** for the same bolting application.
- **OLED-display:** Anti-glare and high contrast - for perfect reading under all weather conditions.

alkitronic® specials

Models **EB-N**: Two battery packs included.

Models **PC-N**: ATEX approval on request.



alkitronic® ATV
Square drive extension



Technical Data

Drive	electric (battery)			pneumatic **			ATV Square drive extension				
Model N-Tool (-N)	EB-S 150-	EB-S 250-	EB-S 350-	PC-S 125-	PC-S 225-	PC-S 280-	Square drive	Ø D1	Length L1	Length L2	Order-No.
Type (Length „N“ extension)	N12	N12 or N18	N12 or N18	N12	N12 or N18	N12 or N18	B	mm	mm/in	mm/in	
Torque range *	Nm	150-1400	350-2500	480-3500	495-1450	900-2670	3/4"	41	260 / 10.2"	229 / 9"	10310
Square drive	B	3/4"	1"	1"	3/4"	1"	3/4"	41	336 / 13.2"	305 / 12"	10313
Diameter (approx.) D ₁	mm	41	54	54	41	54	1"	54	267 / 10.5"	229 / 9"	10278
Diameter (approx.) D ₂	mm	38	48	48	38	48	1"	54	343 / 13.5"	305 / 12"	10279

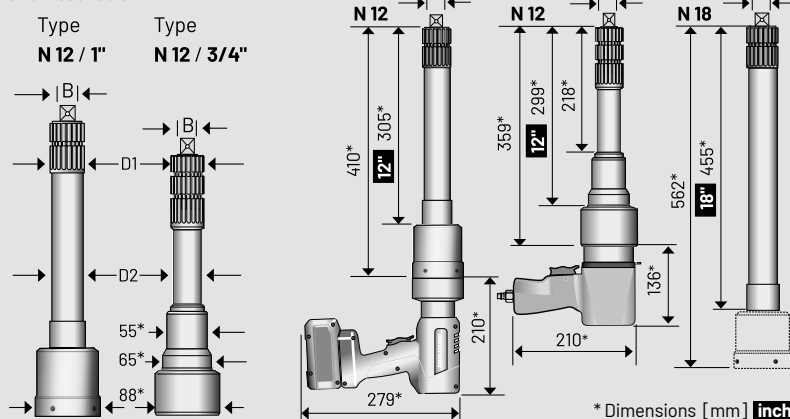
Examples of model designations: EB-S 150-N12, EB-S 250-N18, PC-S 125-N12

*) When loosening bolts, a higher torque (up to 20 %) may be necessary (release torque). We will gladly advise you in detail.

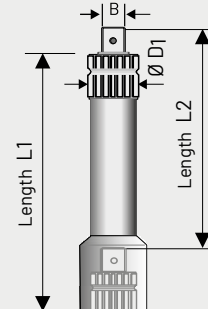
**) Prerequisites for best work with the indicated torques are an operating pressure of 2-7 bar at a volume flow of approx. 10-15 l/s. The torque accuracy depends on the stability of the supply system.

N-Tools Dimensions

Dimensions Diameter -D1, D2 and B see table



ATV Square drive extension



Dimensions see table

alkitronic®
HOME OF TORQUE POWER

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Made in Germany by

alki TECHNIK GmbH
Development, Production and
Distribution of Bolting Systems

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