

# Track construction battery nutrunner

## VDA & HDA

For vertical and horizontal track construction boltings



# VDA & HDA Vertical and horizontal track construction bolting systems

## Mobile and suited for universal use

The *HDA* version has especially been developed for horizontal bolting operations, e.g. for frog bolting in the turnout area.

The *VDA* version allows quick and precise bolting operations in the threshold area.

We have devised a special fixture (frame) for both types so that only minimal strain will affect the worker.

Since the unit is battery-powered, the track construction worker is no longer tied to heavy power packs or cables while tightening or loosening bolts. Thanks to its low weight, the unit does not require more than one worker to operate it. In contrast to impact wrenches, Plarad *DA-units* produce significantly less noise and vibration during operation, effectively preventing White-Finger-Syndrome and excessive strain on hands and joints.

## Straightforward

The desired torque is set by 4 gear steps and 15 different electronic settings. Recessed switches prevent any accidental actuation or unintended adjustment of power settings. Two special settings deliver extra power that may be needed to safely loosen certain bolts.

## Fully automatic

The DA will automatically stop as soon as the set torque value has been reached and will be ready for the next bolting process right away.

## Reliable

Continually active during the bolting process, the 2-step battery charge indicator reliably prevents inaccurate torque tightening values that may arise from a battery capacity that is too low. The operation trigger operates with a binary logic, thus ensuring that only the set torque will be achieved (even during extended operation or when the operator is wearing gloves).

## Greater efficiency

- The unit is 30 % more efficient than comparable DC motors thanks to our brushless motor
- Motor electronics fully protected against dust
- Made in Germany

## Dependable battery technology

- 6.0 Ah / 18 V
- SafetyCell technology
- Active charge status indicator
- Charging time: approx. 40 minutes

## Scope of supply

Standard scope of supply includes two strong 6.0 Ah Li-Ion batteries and the quick charger.



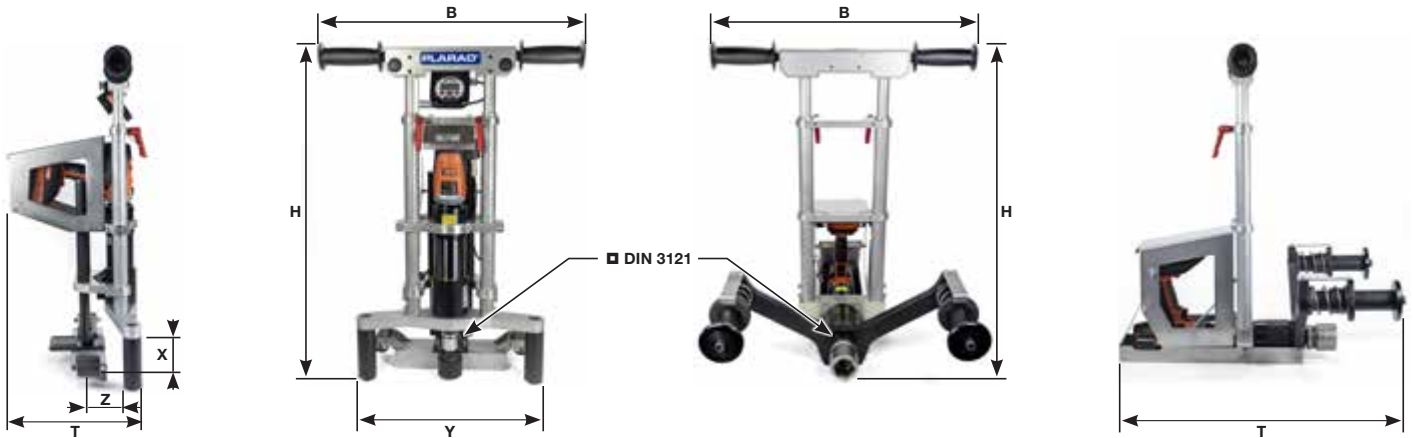


VDA



HDA

Models **VDA & HDA**



Type	Torque range (Nm)	RPM G 1	RPM G 2	RPM G 3	RPM G 4	B (mm)	T (mm)	H adjustable from-to (mm)	X (mm)	Y (mm)	Z (mm)	■ DIN 3121	Weight <sup>2</sup> (kg)
VDA-05	130 - 550	8,4	16,6	37,0	71,6 <sup>1</sup>	530	300	710 - 898	± 50	400	98 - 140	¾"	20
VDA-05-TC	130 - 550	8,4	16,6	37,0	71,6 <sup>1</sup>	530	300	710 - 898	± 50	400	98 - 140	¾"	23
HDA-36	380 - 3 600	1,8	3,3	7,8	15,3	530	583	666 - 854	43 - 73	N/a	107	1"	24

Repeat accuracy: ≤ 4%, dependent on the bolted joint. Regardless of the torque, the repeat accuracy depends on the individual bolted joint and therefore has to be determined for the specific bolting application.

<sup>1</sup> Attention – please observe: The 4th gear (highest speed gear) is not suited for controlled torque tightening.

<sup>2</sup> Weight without reaction arm and incl. battery pack.

Mobile measuring unit **TC1**

The *TC1* measures the applied torque and the subsequent bolting process directly on site. The system works wirelessly during the bolting process and can easily be mounted to the torque tool.



Type	Measuring range min. - max.	
	Nm	ft-lbs
TC1 - 11	110 - 1 100	81 - 811

Included in the scope of supply of the VDA-05-TC

Optional accessories

Various accessories (e.g.: inserts, power inverter, sockets and reaction arms) are available as both standard and custom designs.



... a successful connection!

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