

# Mototok Alligator:

The world's **lowest towbarless tug** –  
with an **underride height**  
of only **200 mm (7.87 inch)**



FULLY ELECTRIC  
DRIVE



UNDERRIDE HEIGHT  
ONLY 200 MM



REMOTELY  
CONTROLLED



NEW AUTOMATIC  
NOSEGEAR  
CLAMPING SYSTEM

**Extremely flat – extremely efficient.**

**For aircraft and wheeled helicopters  
with extremely low ground clearance.**



# Mototok Alligator 4000. Extremely flat. Convince yourself of our new Automatic Nosegear Clamping Mechanism.

With a height of only 200 mm in the area of the nose wheel platform, the new Mototok Alligator is certainly one of the lowest industrial trucks in the world. With its innovative safety brackets for the nose wheel, it is also one of the safest ways to manoeuvre an aircraft or helicopter.

### Cost effective.

- Low personnel costs by means of wireless transmission control – the operator is essentially a “wing walker” himself
- Increases the number of aircrafts in your Hangar
- No driving licence required
- Extremely low maintenance costs, no maintenance plan necessary

### Flexible.

- Maneuver with a wide range of aircraft with a single Mototok-model: Helicopters and airplanes with single or double nose gear
- Connect the aircraft from the front or the rear
- Hydraulic nose wheel adjustment – for a wide range of nose wheel diameters

### Safe.

- Automatic and hydraulic fixation of the nose wheel with our new patented clamping mechanism
- Fully programmable speeds, braking curves, and initial torques
- Gentle treatment of the landing gear
- 100 % circumferential visual control around the aircraft due to the remote control.  
No knocks. No collisions. Optimum use of limited space!

### Easy-to-use.

Docking takes a matter of seconds from the rear or front of the nose wheel. Simply drive the Mototok up to the nose wheel and press a button on the remote control. The wheel is then hydraulically fixed firmly in position and raised – ready for take off! All this with no awkward strap, no inconvenient winch. No bolts or tools are required.

- Radio remote controlled operating under an industrial frequency code approved for airports.
- Automatic connection to the aircraft’s nose wheel with one click.
- No straps, no winch, no tools required.
- Extremely low height for aircraft with fuselage mounted equipment such as cameras, FLIR, RADAR, etc.





The advantages of the new clamping mechanism: safe, gentle, convenient and automatic nosegear loading.

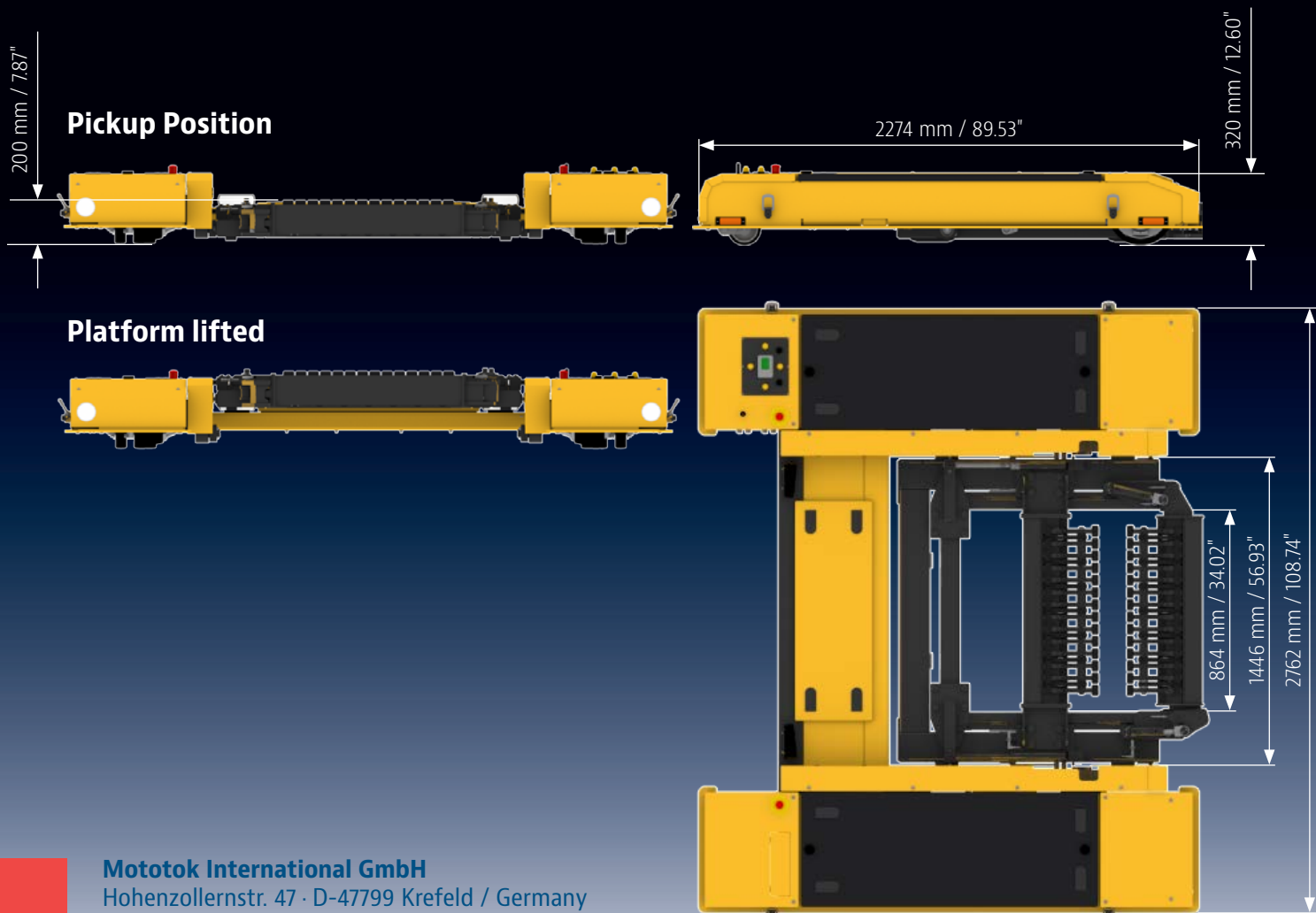
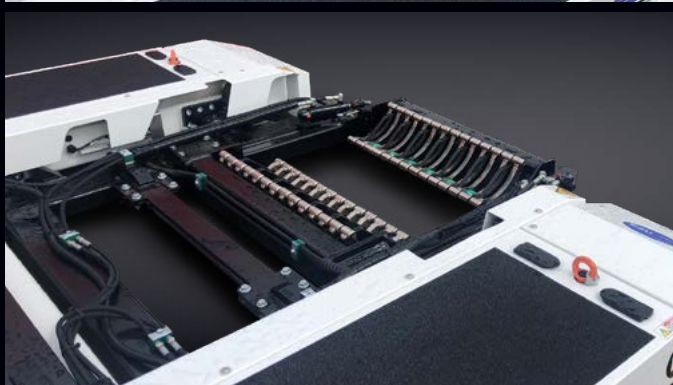


Depending on the size of the nose wheel, the 28 individually movable nose wheel clamps are gently pressed against the nose wheel to hold it securely.



# Technical Data

		Alligator 4000	
Use for		single & double nosewheel, wheeled helicopter	
			
Maximum nosewheel weight capacity		3.5 t	
		7720 lbs	
Dimensions (without antenna, grips, etc. on the surface)	width	2762 mm	
		108.74 inch	
	length	2274 mm	
		89.53 inch	
	height	320 mm	
		12.60 inch	
Lifting height, adjustable		up to 200 mm	
		7.87 inch	
Platform height		200 mm	
		7.87 inch	
Max width of the nosewheel		820 mm	
		32.28 inch	
Diameter of the nosewheel		330 – 480 mm	
		12.99 – 18.90 inch	
Possible terrain		Concrete, stone	
Tyres		Puncture-proof tyres	
Advanced radio remote control with safety features, waterproof, certification of conformity, worldwide safety approval including airports, TÜV certified			
Mistakes and technical alterations reserved. All technical data are provisional.		Date 07.2019	



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