

DynamicArm. 12K100N.

The *DynamicArm* 12K100N uses a powerful electric motor in combination with our unique, stepless Vario Drive to control flexion and extension. AXON Bus technology provides extremely fast distribution of control signals, allowing the Vario Drive to alter its transmission ratio to react instantly to different movements and loads. The user attains quick, exact positioning of the elbow as well as proportional wrist and terminal device control with little energy expenditure.

Features and benefits

- Twice as fast as other electric elbows - only .5 seconds from extension to full flexion
- The stepless Vario Drive offers optimal gear transmission for every load and provides a continuous, infinitely variable transmission of power from the motor, making the *DynamicArm* especially fast and smooth
- Vario Drive is proportional in speed and adapts to different loads, actively lifting up to 13 lbs (6 kg). The elbow also has a static holding capacity of 50 lbs (22 kg), and will slip if the weight limit is exceeded—without damaging the elbow
- AXON Bus technology integrates all the electromechanical components (sensors, actuators, setting devices) and transmits signals almost instantaneously to them
- The AFB (Automatic Forearm Balance) unit takes advantage of the energy that is stored when the arm is extended and reuses it for flexion, giving the elbow a smooth, natural swing during walking
- The *DynamicArm* unlocks easily even when under load, and can be positioned without having to send an unlock signal, allowing the user to make less compensatory movements while providing a more natural appearance
- Bluetooth® technology allows for programming and training of the prosthesis without the need for cords or cables
- Lithium Ion battery delivers reliable, high performance
- The 12K100N is compatible with all Otto Bock quick disconnect terminal devices. We recommend the *SensorHand®* Speed and *System Electric Griefer* for the greatest user function

