

AirPro™ Air Graduate Wrist/Hand/Finger Orthosis (WHFO)

The AirPro™ Air Graduate Wrist/Hand/Finger Orthotics (WHFO) is a pneumatic device clinically indicated for providing gentle Low Load Prolonged Stretch to the wrist/hand/fingers. The AirPro™ Air Graduate WHFO “gives” with an involuntary muscle contraction, which is ideal for patients with abnormal tone and spasticity. The AirPro™ Air Graduate WHFO has a removable air bladder that can easily be placed into a fist hand. Inflating the air bladder initiates a gentle stretch to the shortened fingers.

When used properly, the AirPro™ Air Graduate WHFO can provide excellent rehabilitative therapy for reversing contractures and providing abnormal reflex arc therapy to reduce spasticity over time.

Therapeutic Actions

The AirPro™ Air Graduate WHFO is a gentle pneumatic stretching orthosis that is ideal for treating moderate to severe contractures of the wrist/hand/fingers. The AirPro™ Air Graduate WHFO is also excellent for patients with spasticity. The AirPro™ Graduate has two parts, a bend to fit wrist/forearm, support and a removable pneumatic palmar device that can be easily placed into a fist hand while deflated. Using the inflation/deflation bulb, air can be inserted into the soft neoprene air bladder to initiate a gentle stretch on contracted fingers and the thumb. The.

Contraindications

The AirPro™ Air Graduate WHFO should not be applied if any part of the device comes in contact with an open wound. The AirPro™ Air Graduate WHFO should not be used if the wrist/hand/fingers have grade three plus edema.

Warnings

The AirPro™ Air Graduate WHFO should be fit by trained personnel to ensure that the device is correctly applied and does not apply unwanted pressure to any part of the wrist/hand/fingers, including the thumb.

All orthotic braces require a break in period. It is recommended that the device be initially worn for 1 hour. Up to one half an hour of wear a day can be added daily until the desired wearing schedule has been achieved. Wearing time should be determined by a physician or treating therapist.

The AirPro™ Air Graduate WHFO should be removed for a minimum of two hours after six hours of wear.

After the AirPro™ Air Graduate WHFO is removed, the skin should be inspected for redness or signs of unwanted pressure. All redness or skin indentations should be absent within an hour after device removal.

Never apply the AirPro™ Air Graduate WHFO if there are red areas on the wrist/hand/fingers that may indicate unwanted pressure has been applied by the device. Resume wear after the redness had disappeared. If redness persists, the device should be inspected by a licensed clinician and modified to eliminate any potential pressure points.

The AirPro™ Air Graduate WHFO is intended to be for Single Patient Use Only