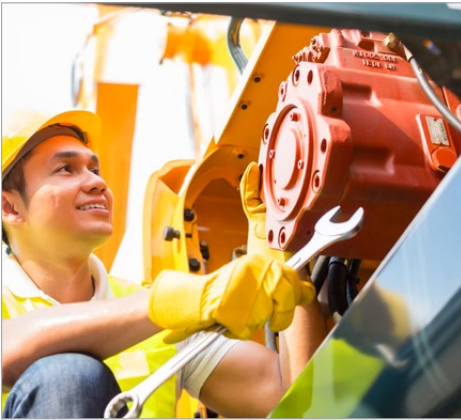


"The Clinical Advantage"™

System 4 Work Simulation Tools

Everyday function for everyday people



Support physical and occupational therapy patients

Perform activity-specific assessment and rehabilitation, work hardening, and functional capacity evaluation.

www.biodesign.com/s4accessories

BIODESIGN

www.biodesign.com
1-800-224-6339

Int'l 631-924-9000

System 4 Work Simulation Tools

Everyday Function for Everyday People

In combination with the System 4 dynamometer or an earlier Biodex multi-joint system, Biodex Work Simulation Attachments replicate job-specific tasks for the hand, wrist, elbow and shoulder, recreating job challenges in ranges of motion, strength and endurance.

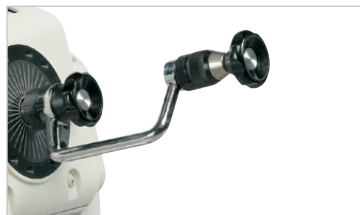
Three Point Prehension with Rotation

Designed to reproduce job tasks frequently encountered by plumbers, jewelers and assemblers, this valuable tool emulates working with faucets, lugs and other small parts.



Spherical Grasp

The Spherical Grasp recreates a wide variety of duties, from tuning instruments to operating a valve control. Perfect for welders, plumbers, carpenters and construction workers.



Lateral Pinch with Rotation

Recreating the motion of turning a wing nut, this handy tool imitates tasks commonly encountered by assemblers on production lines.



Screwdriver Simulator

This screwdriver-shaped tool provides the carpenter, electrician, mechanic and laborer with the sensations involved in grasping, turning, carrying and positioning such items as poles and pipes.



Precision Pinch with Rotation

This tool is excellent for fine motor control tasks in the operation and repair of electronic equipment. It supplies users with a sense of performing such duties as fine tuning knobs and manipulating controls.



Speeder Wrench Simulator

Designed specifically for carpenters, mechanics, construction workers and masons, this tool imitates the feel and operation of a hand drill, power ratchet or trowel.



Upper Extremity Wheel

This unique adapter reproduces job tasks for drivers, mechanics, carpenters and plumbers. Operation of equipment, such as steam valves, forklifts, hand drills and valve cranks may also be duplicated.



Prehension with Parallel Grip

Perfect for mechanics, gardeners or athletes, this useful instrument duplicates all hand grasp motions, from gripping a baseball to using pliers. Also suitable for two-hand job duties such as pruning shears.



Upper Extremity Wrench

This attachment provides simulation of tools such as the ratchet, crowbar, wheelbarrow and drill press. It can be used in a push/pull motion for the entire upper extremity. Ideal for the press feeder, construction worker, plumber or heavy machine operator.



FEATURES AND BENEFITS:

- **Extend capabilities of the System 4** – Add value by providing versatile occupational therapy and work reconditioning for upper body impairments.
- **Job-specific motion** – Designed to mimic everyday tasks, each attachment provides familiar motions and a uniquely targeted rehabilitation environment.
- **Treat varied UE injuries** – Benefit individuals recovering from injuries including nerve damage, fractures of the hand, wrist and fingers and muscular dysfunction.
- **Multiple exercise modes** – Isokinetic, Passive, Isotonic, Isometric and Reactive Eccentric modes, provide active and passive operation depending on the individual's rehabilitative needs.
- **Functional versatility** – Provide range of motion, strength and endurance exercise, developing fine and gross motor skills with forces ranging from high intensity to as low as 0.5 ft-lb.



Occupational therapy and work reconditioning programs demand versatility and functionality

With a focus on the arms, shoulder and upper back muscle groups, these attachments not only accurately assess the ability to perform specific tasks, but serve as dedicated ergonomic tools for targeted rehabilitation.

In addition to the motion-specific attachments, a multiple tool adapter is included, allowing almost any standard workshop tool to be connected to the Biodex dynamometer.

SPECIFICATIONS

- Warranty: One year parts and labor
- Compatible with System 3 and System 4 Pro, MVP and Quick-Set models

830-269 Work Simulation Tools

Ten attachments including a multi-tool adapter that allows almost any standard tool to be connected to the dynamometer.

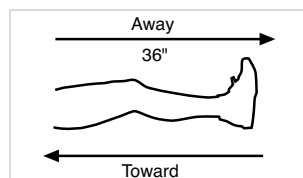
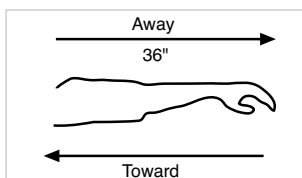
System 4 Closed Kinetic Chain Attachment

Develop an early rehabilitation plan with safe, protected linear motion

Designed specifically for low-torque range of motion and strengthening exercises, the Closed Kinetic Chain Attachment limits shear forces, allowing for early intervention and acute care.

The attachment converts rotational motion to linear motion, for use in both upper and lower body exercises at a maximum of 75 ft-lb.

- Perform specialized sub-maximal exercises for knee, ankle, hip, back, shoulder, elbow and wrist.
- Compatible with all modes of the dynamometer (Isokinetic, Passive, Isotonic, Isometric and Reactive Eccentric).
- Reproduce functional push-pull linear motion, including work-related actions, in both horizontal and vertical planes.



SPECIFICATIONS

- Warranty: One year parts and labor
- Compatible with System 3 and System 4 Pro, MVP and Quick-Set models

830-520 Attachment, Closed Chain

Versatile linear-motion attachment provides early protected range-of-motion exercises for upper and lower body.



*Identify, treat and document the physical impairments
that cause functional limitations.*

www.biodesis.com/s4accessories

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