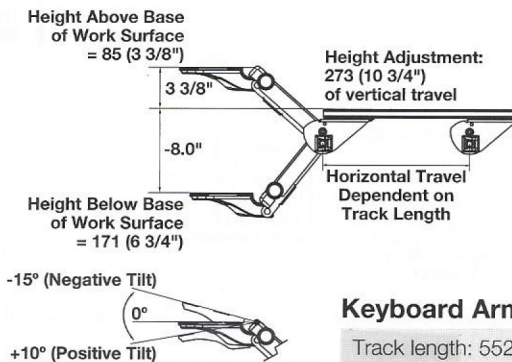
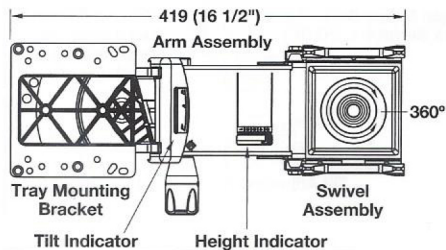
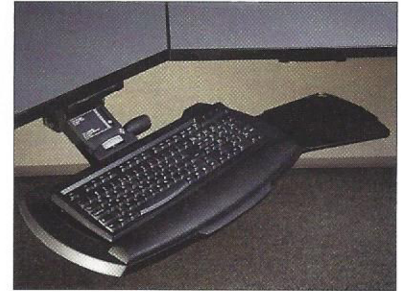


- The Ovation Arm is designed to offer a greater range of motion with maximum user comfort and safety
- Gauges for both height and tilt adjustment make it easy for each user to custom fit the keyboard position to their personal preference
- Lift-N-Lock™ spring – assisted height adjustment (no levers or knobs)
- Soft-touch dial knob for easy negative or positive tilt adjustment, +10°/-15°, provides greater ADA compliance
- Tray tilt angle indicator
- Under work surface storage and 360° swivel
- Heavy-use typing/data entry multi users
- Commercial/industrial installations
- Corner workstations, clears 45° corner angles
- Meets or exceeds ANSI/BIFMA requirements
- Made in North America, TAA Compliant



### Keyboard Arm - Ovation

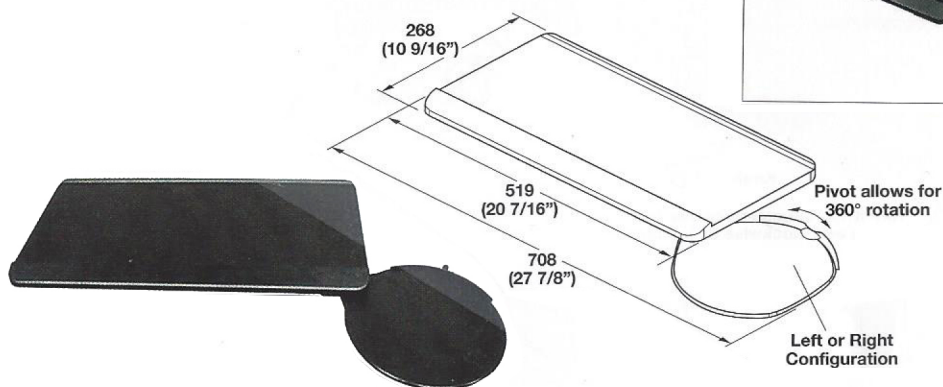
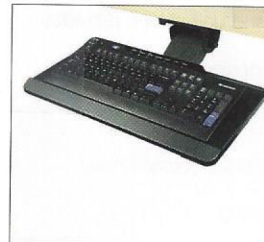
Track length: 552 mm (21 3/4")

Material: Steel

Color	Item No.
black epoxy	632.68.385

### Keyboard Combo Packs

- Entry level arm and tray combos that provide economical price points



### Keyboard Tray Combo 7431CV1731

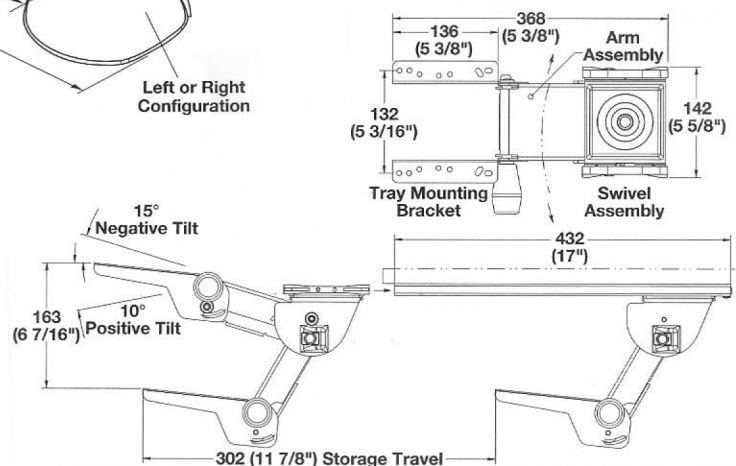
- Low profile with Lift N Lock leverless adjustment
- 360° swivel
- 17" track with 6" of height adjustment

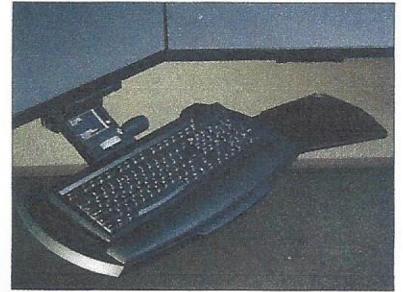
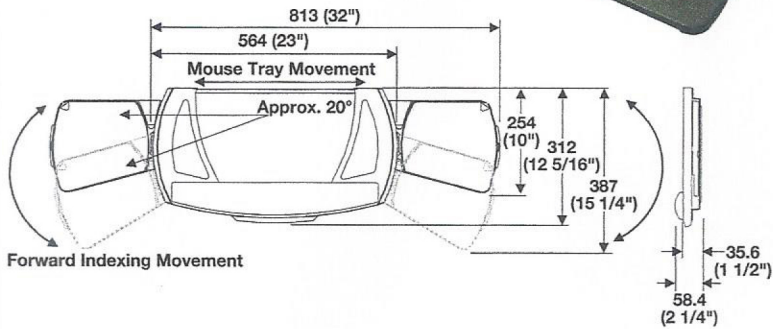
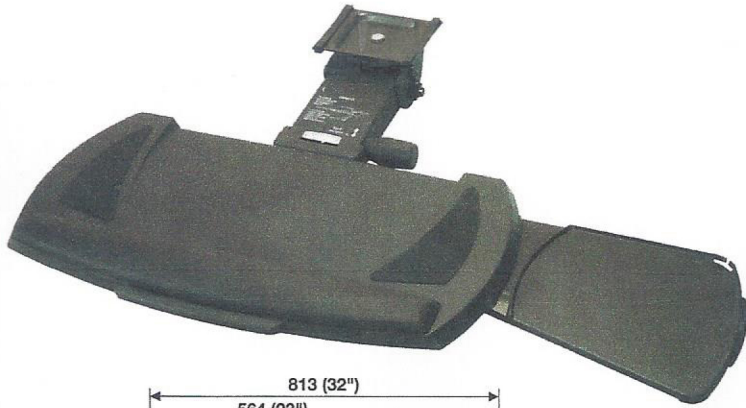
Material: Arm: Steel; Tray: ABS Plastic

Color	Item No.
black	632.68.317

#### Supplied With

Keyboard arm  
Anti-skid mat  
Swivel mouse platform for left or right handed attachment





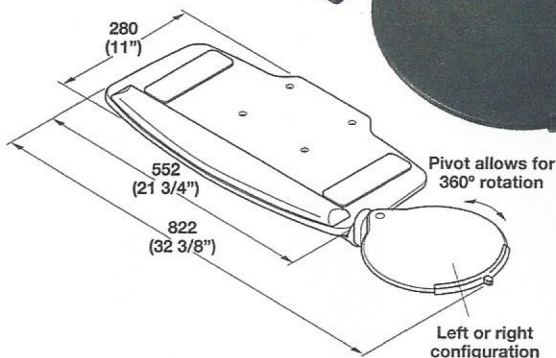
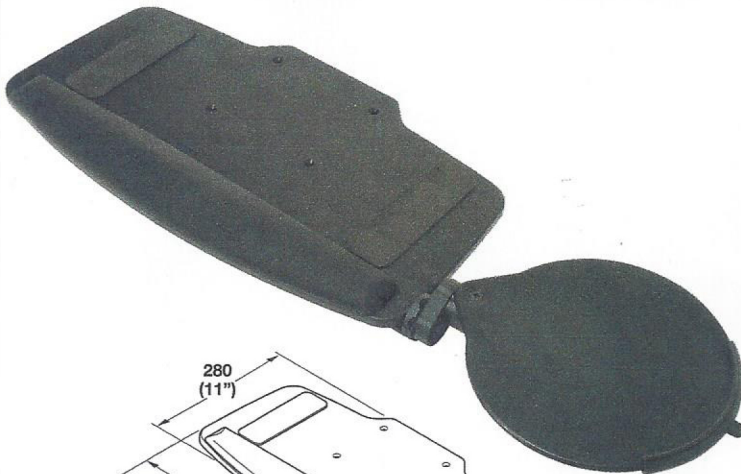
### Keyboard Tray - Harmony

- Anti-skid pads prevent keyboard slippage
- Removable, snap-in 19" gel-like foam wrist rest offers gentle support
- Mousing surface smoothly and easily adjusts from side to side for left or right-hand use, with three forward index positions, built-in cable manager and fence to prevent slippage

Track length: 552 mm (21 3/4")

Material: Plastic

Color	Item No.
black	632.68.395

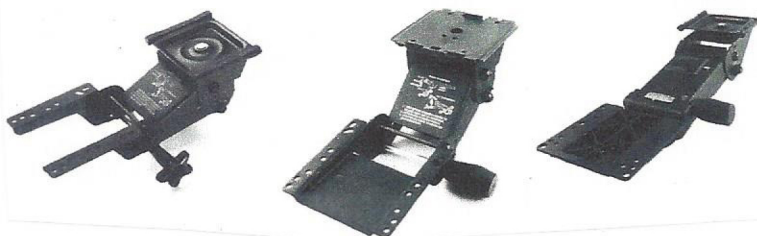


### Keyboard Tray - HDPE

- HDPE (High Density Polyethylene) tray is fully recyclable
- Mouse tray with guard to prevent slippage of the mouse
- Mouse tray is height adjustable & swivels 360°

Material: Arm mechanism: Steel, epoxy-coated  
Keyboard tray: HDPE Plastic

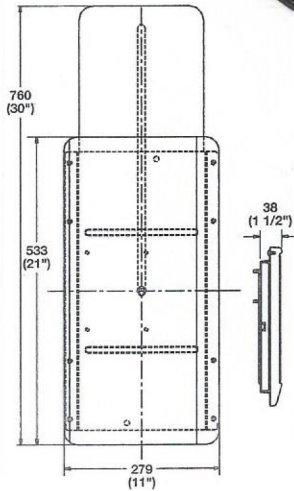
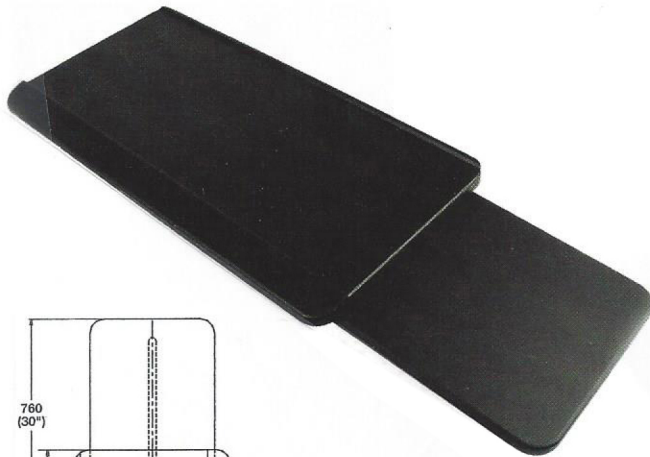
Color	Item No.
black	632.68.336



### Mix and Match Arms & Trays to suit your needs

Arms	Page	Trays	Page
Encore (good)	5.6	Economy (good)	5.9
Echo (better)	5.7	Harmony (better)	5.10
Ovation (best)	5.8	HDPE (best)	5.10





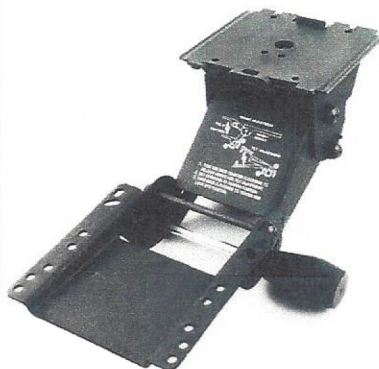
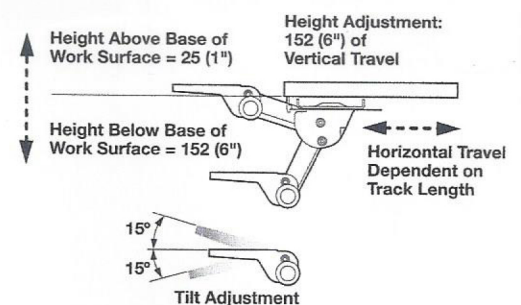
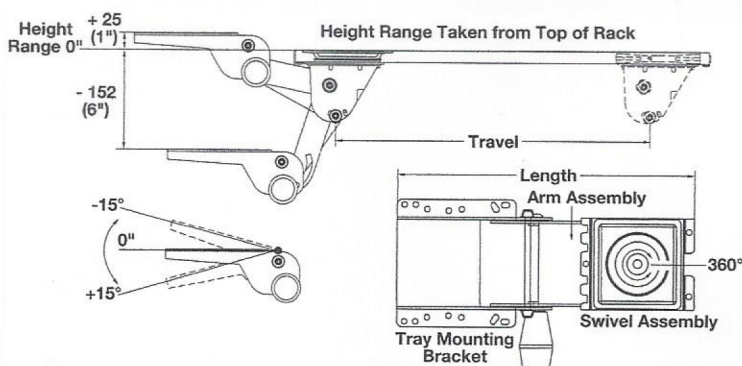
### Keyboard Tray - Economy

- Low profile and durable
- Integrated mouse tray slides for left or right hand use

Material: Plastic, injection molded

Color	Item No.
black	639.96.397

- The Echo Arm is a no-frills keyboard support arm that offers all the adjustability needed for comfort and efficiency
- For occasional users, home office, education, learning and training centers



### Keyboard Arm - Echo

- Soft touch knob adjusts both height and tilt simultaneously
  - Spring assisted to help counterbalance keyboard tray weight
  - 360° swivel allows user to move keyboard freely from side to side
  - Low profile ball bearing track
- Track length: 425 mm (16 3/4")

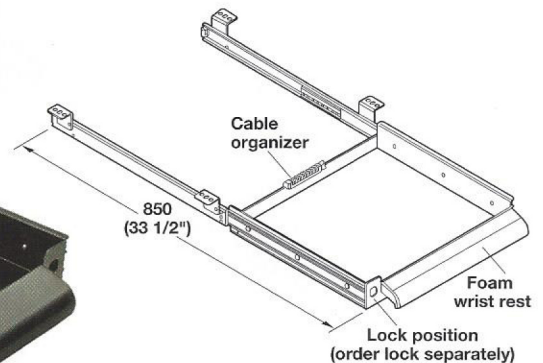
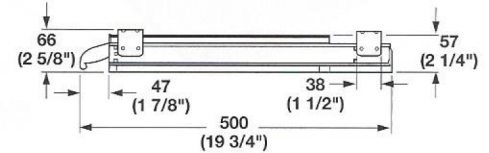
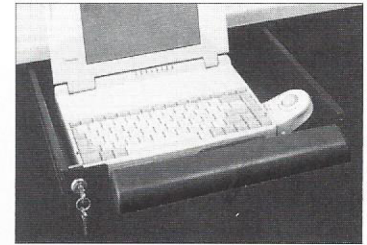
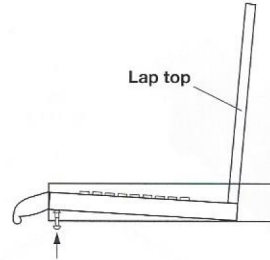
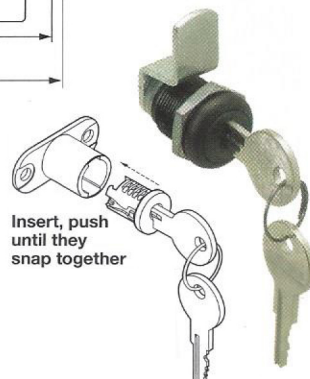
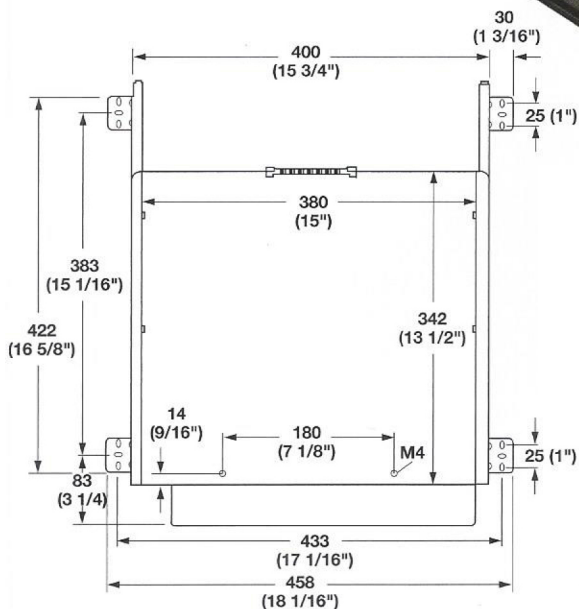
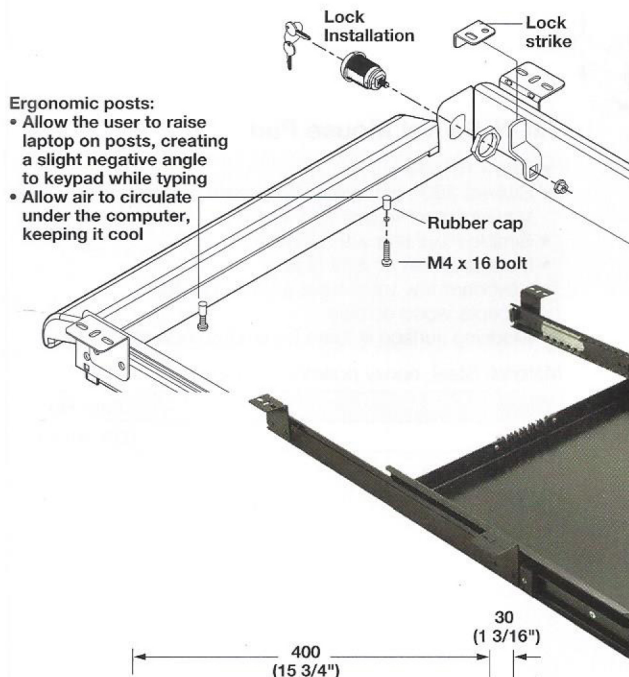
Material: Steel, epoxy-coated; Components: Plastic

Color	Item No.
black	632.68.301

- Smooth rolling ball bearing slides with hold out detent prevent drawer from moving while in use
- Integral foam wrist rest enhances comfort
- Cable organizer keeps power and data cables neatly in place when computer is removed, reconnect cables when you return laptop to drawer
- Offers comfortable ergonomic positioning for laptop users, and also keeps laptops under lock and key at work, school, or home

### Ergonomic posts:

- Allow the user to raise laptop on posts, creating a slight negative angle to keypad while typing
- Allow air to circulate under the computer, keeping it cool



### Security Drawer

- With ball bearing slides featuring hold-out detent
- Features foam wrist rest, cable organizer, and optional ergonomic posts

Material: Steel, epoxy-coated; Wrist rest: Foam (PU)  
Cable organizer: Plastic

Color	Item No.
black	429.82.360

### Supplied With

Mounting screws  
2 M4 x 16 mm bolts  
Strike for lock

### Note

Please order lock kits separately below.

### Lock Kit

- With pre-installed core

Material: Lock body and core: Zinc; Color: black  
Bolt and nuts: Steel; Finish: nickel-plated

	Item No.
Keyed Different	235.09.005

- Without core

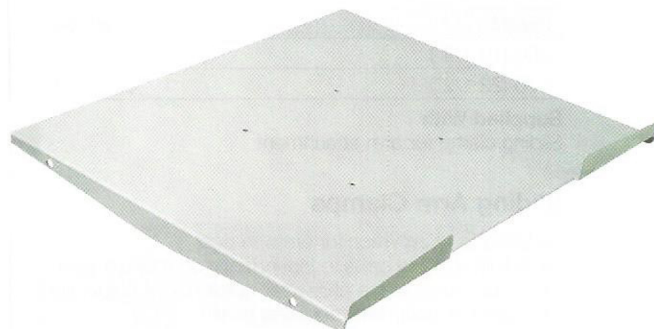
	Item No.
Allows for variable key plans	235.09.010

### Note

Please order blank snap-in lock cores separately.



### Ellipta® Accessories



#### Laptop Tray

- Optimizes desktop space by elevating laptop computer
- Arm and post sold separately
- L x W: 314 x 314 mm (12 3/8" x 12 3/8")

Material: Steel

Color	Item No.
silver RAL 9006	818.10.990



#### Wall Mount Bracket

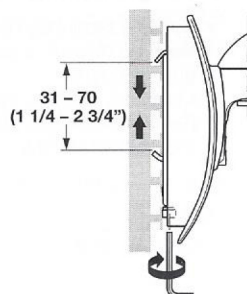
- Designed to attach the *ellipta* arm directly to the wall

Material: Aluminum, die-cast

Color	Item No.
silver RAL 9006	818.11.980

#### Note

Arm sold separately, refer to page 5.17.



#### Universal Slat Wall Bracket

- Clamps into most existing slat walls
- 3-way adjustment, includes bubble level for exact leveling

Material: Aluminum, die-cast

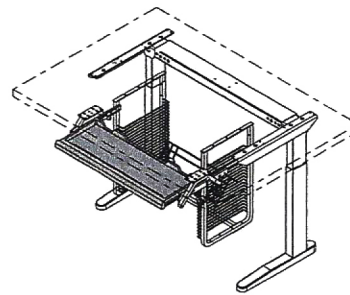
Color	Item No.
silver RAL 9006	818.11.981

# Ergonomics

## Monitor Suspension System

Ergonomic design is what this system is all about. Eyestrain, neckaches, backaches, and dry eyes are common problems experienced by computer users.

This patented monitor placement technology encourages a healthy, productive posture, which can help alleviate many of today's workplace ailments.



The suspension system can be suspended under Häfele's **AdjustableTableSystem™** creating the ultimate in ergonomic comfort.

### Your Eyes

**Q:** Why does this system place the monitor below the horizontal line of sight?

**A:** Because that position conforms to the way our eyes work.

The downward gaze is our visual system's natural way of viewing close work. Stop and notice how you are reading this catalog. Most likely it's at a comfortable reading angle. Our "normal line of sight" varies with viewing distances. When we look at objects far away, our eyes are most comfortable viewing them straight ahead, horizontally. On the other hand as we look at closer objects, we strain our eyes less by viewing them at a lower angle, i.e. with a downward gaze.

Studies have concluded that the viewing angle when our eyes are at the most comfortable resting point is between 32 - 40° and that the viewing distance should be at least 30" away.

### Dry Eyes

A thin layer of tears covers the surface of the eye. This layer dries out when exposed to the air. As we blink, our eyelids spread a new layer of tears. Researchers found that tears evaporate at a faster rate when looking straight ahead or up at a monitor because more of our eye's surface is exposed to the air. Our eyelids are partially closed when we look downward, which reduces the surface of the eyeball exposed to the atmosphere, thus helping to keep the eyes moist.

### Neck Posture

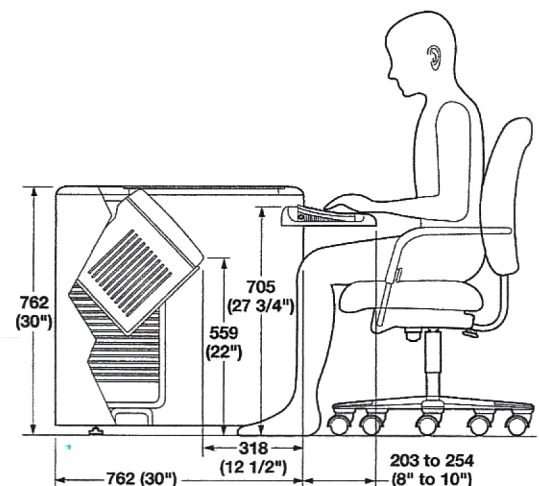
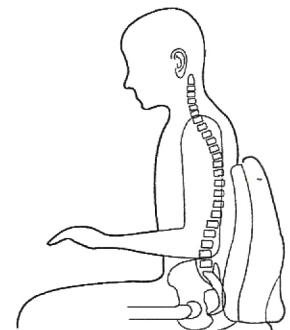
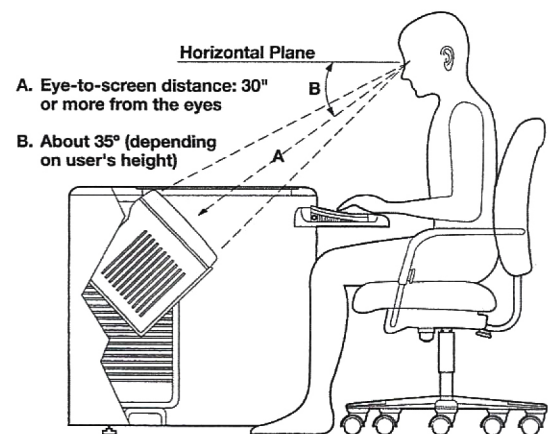
The monitor placement allows a wide range of voluntary neck postures with a minimum of postural and visual discomfort. With a lower monitor position you can hold your head erect and direct your eyes downward. When that posture becomes tiring (as eventually it will), you can bend your neck downward in a wide range of comfortable neck postures. These temporary changes of neck posture can relieve neck strain with little or no visual discomfort.

### Knee Space

Provides adequate depth between your knees and the recessed monitor carriage. With the keyboard tray pulled out, there is even more room. Most people should fit comfortably seated at a desk with this monitor suspension system.

### Ergonomic Seating and Work Surface Height

To take further advantage of the systems benefits, you should use an ergonomic chair and have a work surface which is adjustable. Proper work surface height and chair adjustment is important to allow comfortable and efficient positioning of the upper arms, forearms, hands, legs, and feet. This system can be suspended under Häfele's **AdjustableTableSystem™**.

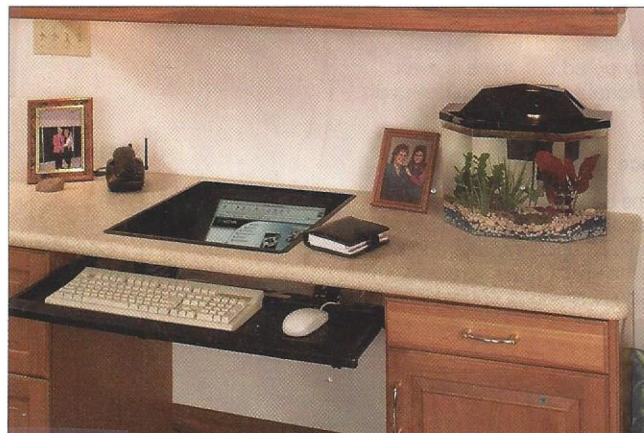
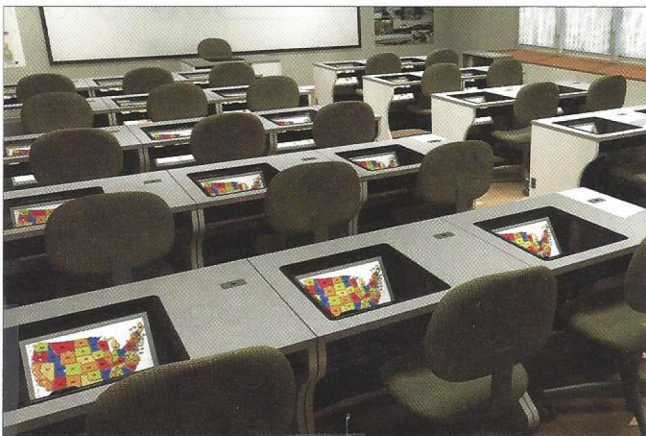
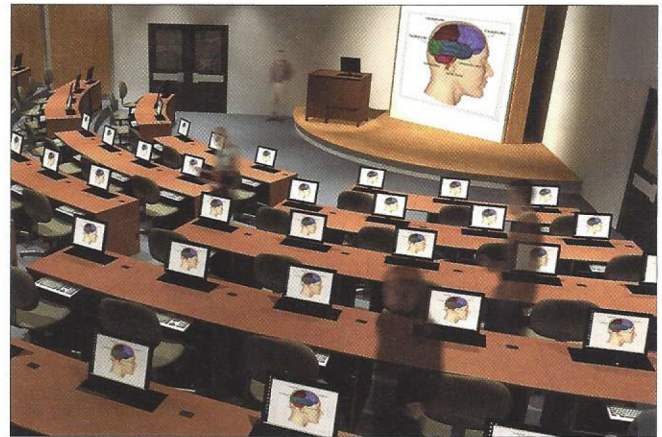




# Accessories by **HÄFELE**

## Monitor Suspension System

- The system can be installed in your existing furniture or cabinetry
- At home, the system can be incorporated into the kitchen, creating a centralized communication center
- Perfect for home office applications, creating a space-saving, multi-use worksurface
- In businesses, such as banks, libraries, and medical facilities, the system provides document confidentiality without compromising workspace

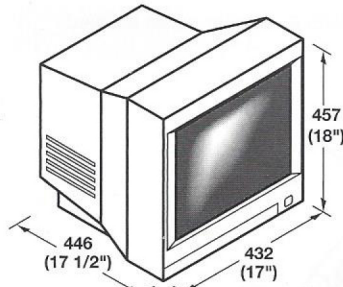




- Positions the monitor at a comfortable viewing angle, reducing the risks of cumulative trauma disorders (CTD), while increasing valuable workspace
- Enhances eye contact by allowing a direct line of sight
- Assures privacy as the recessed monitor provides security for sensitive material
- Saves space; hides unsightly computer cables and also keeps them from being accidentally disconnected
- Eliminates the need for a separate computer workstation and saves office space
- Keyboard mechanism attaches under work surface
- Keyboard allows for a mouse to be used next to keyboard
- Keyboard maximum travel = 254 mm (10")

### Note

The retrofit kit can be installed in most freestanding casegoods and furniture workstations.



Designed to fit monitors with these maximum dimensions.



### System for Standard Size Monitors

- Minimum work surface depth: 679 mm (26 3/4")
- Keyboard width: 711 mm (28")

Material: Steel, epoxy powder-coated

Glass: tinted and tempered

Glare shield, trim grommet: Plastic; Color: black

Keyboard tray width	Item No.
610 (24")	639.91.371
711 (28")	639.91.373

### Supplied With

Suspension frame for monitor  
Keyboard tray with locking slides  
Adjustable feet to apply support under worksurface  
Tinted and tempered glass (1/4" thick) viewing surface  
Glare shield  
Trim grommet  
Mounting instructions

### Note

Detailed cut-out dimensions and mounting instructions are included with each set.

