

# PRODUCT SPECIFICATIONS ■

## Genesis® Adjustable Desking

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### TECHNICAL SPECIFICATIONS

#### General Information

Genesis desking is available as fixed height as well as height adjustable. Genesis meets or exceeds ANSI/BIFMA 1998 requirements for desk products. Height-adjustable desks meet the ANSI/HFS 100-1988 standard for adjustability and knee clearance. Genesis meets the ADA specifications for wheelchair access and height of surfaces.

The metal components of Genesis are powdercoated for appearance and durability. All plastic components are color matched in accordance with the KI color program.

#### Base Specifications

##### Fixed Height Desking

Each leg assembly is comprised of a 2" x 4" x 14-gauge steel tube that is welded to a steel foot and to the other end for worksurface support. The 14-gauge, draw-formed foot provides strength and room for carpet levelers in a low profile, sculpted component. The worksurface support is a 1/4" cold-rolled steel spider plate that provides high strength to support large, cantilevered loads. Extruded aluminum covers are attached to the front of the upright tubing for visual appeal.

##### Pin-Adjustable Desking

Each leg assembly is comprised of a 1 3/8" x 2 3/4" x 16-gauge steel tube that telescopes inside a 1 3/4" x 2 3/4" x 14-gauge steel outer leg tube. Nylon bushings ensure a smooth, telescoping action between the tubes. A 14-gauge, draw-formed foot is welded to the outer leg tube and provides strength and room for carpet levelers in a low profile, sculpted component. A 1/4" cold-rolled steel spider plate worksurface support is welded to the inner tube and provides strength to support large, cantilevered loads. Extruded aluminum covers are attached to the front and back of the upright tubing for visual appeal. A spring steel button, protruding through holes in both tubes, allows for adjustment in one-inch increments (currently 24" to 31").

##### Crank-Adjustable Desking - Standard Height / Sit-Stand Height

Each leg assembly is comprised of an 1 3/8" x 2 3/4" x 16-gauge steel tube that telescopes inside a 1 3/4" x 2 3/4" x 14-gauge steel outer leg tube. Nylon bushings ensure a smooth, telescoping action between the tubes. A 14-gauge, draw-formed foot is welded to the outer leg tube and provides strength and room for carpet levelers in a low profile, sculpted component. An 11-gauge steel, draw-formed worksurface support is welded to the inner tube and provides strength to support large, cantilevered loads on the worksurface. Extruded aluminum covers are attached to the front and back of the upright tubing for visual appeal.

Genesis standard height manually adjusts from 22" to 33" by turning the crank. Genesis sit-stand height adjusts from 27" to 43" by turning the crank. The crank raises or lowers the desk at a rate of one inch per ten revolutions. A lifting mechanism inside of each leg provides a uniform lifting force to the worksurface, regardless of the loading condition. Each mechanism is comprised of a steel acme threaded rod turning through a case hardened nut. The case hardened nut provides silent operation, low friction and excellent wear characteristics. The acme rods deliver a lifting force to the underside of the surface supports. Precision needle roller bearings provide a smooth, quiet interface between the rotating acme rods and the surface supports.

The lifting mechanisms are synchronized via a 1/4" pitch roller chain that spans the distance between the desk legs. The chain engages each acme threaded rod through a delrin sprocket that is attached to the rod.



## TECHNICAL SPECIFICATIONS (CONTINUED)

### Electrically-Adjustable Tables - Linak

A 14-gauge, draw-formed foot is screwed to the outer leg tube, and provides strength and room for carpet levelers in a low profile, sculpted component. A 1/4" cold rolled steel spider plate is screwed to the inner tube, and provides strength to support large, cantilevered loads on the worksurface. Extruded aluminum covers are attached to the front of the upright tubing for visual appeal.

The table is electrically adjustable from 24" to 51" by pressing a button. Motors raise or lower the table at a rate of 1.4" per second. The motors drive a lifting mechanism inside of each leg to provide a uniform lifting force to the worksurface, regardless of the loading condition.

The motors are synchronized electronically by the motor controller. The controller keeps track of each motor revolution, and ensures that the motors remain in perfect synchronization. The user interface occurs at the switch. Both Basic and Deluxe controllers include simple up/down buttons and three memory presets. The Deluxe controller also has a visual display indicating the height of the worksurface.

A keyboard mechanism is available on most electrically-adjustable tables. The mechanism allows the keyboard surface to be easily adjusted 5" above or below the primary worksurface. The mechanism also provides +/- 15 degrees of tilt.

## **Worksurface Specifications**

### 74P and EP Surfaces

74P and elliptical-postform worksurfaces are constructed of 1 1/8" thick, 45-pound density particleboard. A .030" minimum thickness laminate provides a durable writing surface. The backer is a .030" minimum thickness melamine sheet. This provides a balanced construction that gives greater strength and prevents warping. All mounting holes are pre-drilled for easier table assembly and maximum holding power. A steel channel is provided for extra structure on tables with unsupported spans over 51". The 74P surfaces are available in curvilinear or traditional shapes. The elliptical-postform surfaces are available in traditional shapes.

### KN Surfaces

Knife-edge worksurfaces are constructed of 1 1/8" thick, medium density fiberboard. A .030" minimum thickness laminate provides a durable writing surface. The backer is a .030" minimum thickness melamine sheet. This provides a balanced construction that gives greater strength and prevents warping. The edge material is poly olefin. All mounting holes are pre-drilled for easier table assembly and maximum holding power. A steel channel is provided for extra structure on tables with unsupported spans over 51". Knife-edge worksurfaces are available in curvilinear or traditional shapes.

### Membrane Pressed Surfaces

Membrane pressed worksurfaces are constructed of 1 1/8" thick, high-density fiberboard. A .021" thick vinyl foil sheet is applied to the core under heat and pressure. The vinyl foil includes a .005" thick urethane topcoat for surface protection. All mounting holes are pre-drilled for easier table assembly and maximum holding power. A steel channel is provided for extra structure on tables with unsupported spans over 51". Membrane pressed worksurfaces are available in curvilinear or traditional shapes. Peninsula and square shoe shapes are not available.