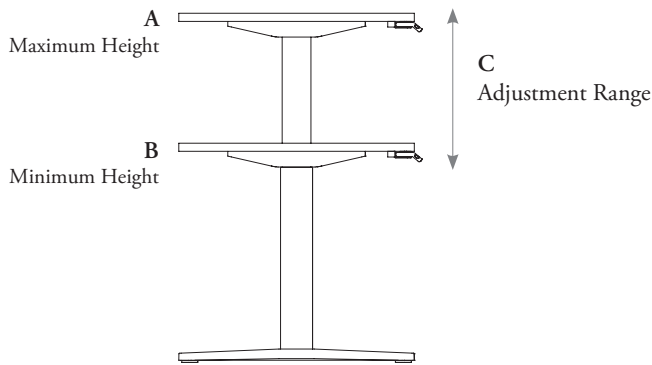


# height-adjustable tables

## understanding height-adjustability

### sit/stand applications

- Can be easily adjusted to fit the individual and support multiple works styles
- Enables working in both seated and standing postures, supporting neutral postures, movement and comfort preferences throughout the work day



Rectangular Height-Adjustable Worksurface for Navigate with Height-Adjustable Freestanding Table Base Only shown

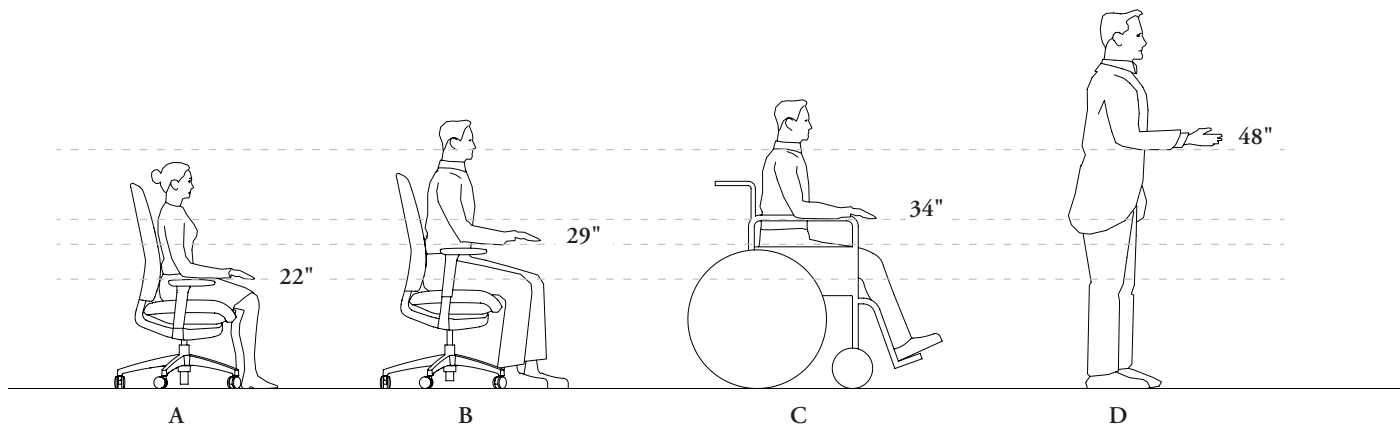
### sit/sit and sit/stand ranges: where do they come from?

1. Sources: BIFMA G1-2018 Ergonomics Guidelines
2. Americans with Disabilities Acts

Sit / Sit = 22" - 34"  
Sit / Stand = 22" - 48"

- (A) 5th percentile female seated elbow height (22")
- (B) 95th percentile male seated elbow height (29")
- (C) 95th percentile male seated elbow height in a wheel chair (34")
- (D) 95th percentile male standing elbow height (48")

The values shown are provided with tolerances (+/-1") as these dimensions change over time. Our goal is to accommodate as many users as possible.



## height-adjustment range

The following chart outlines the weight capacity, adjustment range and power consumption for each height-adjustable table mechanism.

		Weight Capacity	Maximum Height (A)	Minimum Height (B)	Adjustment Range (C)	Split Surface (if applicable)		Power Consumption (Moving from sit to stand)		
						Keyboard Support Height Range (D)	Keyboard Support Tilt Range (E)	Stand by Power	Worksurface Only (Assumes 30" x 60")	Worksurface + 200 lbs
Navigate Base Mechanisms (Heights when using 1" top)										
(1X) Counterbalance Lower Edition (26 1/2"-43 1/2")		150 lbs*	43 1/2"	26 1/2"	16"	—	—	—	—	—
(1S) Counterbalance Standard (29 1/2"-49 1/2")		150 lbs*	49 1/2"	29 1/2"	20"	—	—	—	—	—
(7S) Standard Range Electric(27"-43")		200 lbs**	43"	27"	16"	—	—	0.1 W	150 W	250 W
(9C) Extended Range Electric- Restricted Height (25"-48 7/10")		200 lbs**	48 7/10"	25"	23 7/10"	—	—	0.1 W	150 W	250 W
(9E) Extended Range Electric- Extended Height (22 3/5"-48 7/10")		200 lbs**	48 7/10"	22 3/5"	26 1/10"	—	—	0.1 W	150 W	250 W
Navigate Complete Tables										
Height-Adjustable Extended Corner Complete Table	7S	300 lbs**	43"	27"	16"	—	—	0.1W	150W	250W
	9E		48 7/10"	22 3/5"	26 1/10"					
Height-Adjustable Meeting Table (7S)	7S	200 lbs**	43"	27"	16"	—	—	0.1W	150W	250W
hiSpace										
Extended Electric (9)		200 lbs	48 7/10"	22 3/5"	26 1/10"	—	—	0.2W	170W	310W

\* Minus the weight of worksurface

\*\* Weight Capacity already includes the weight of the worksurface. Can be increased to 300 lbs via customer request (CR) process.

Note: Average time of a sit to stand adjustment is less than 10 seconds.

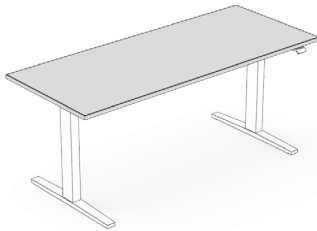
All electric table travel speeds are rated to 1.5/sec unless otherwise noted.

## understanding height-adjustable tables

Complements offers three height-adjustable table collections, Navigate, Complements and hiSpace, each with their own unique features.

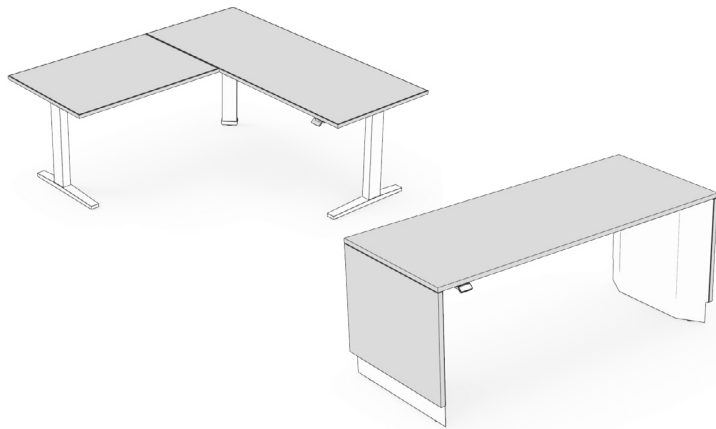
Navigate Height-Adjustable Tables provide the following features:

- Refined aesthetic with no visible fasteners
- Up to five switch options including a Display Toggle Switch with multiple finish choices
- Collision detection is included with every Navigate Height-Adjustable Electric Table or Electric Base every hiSpace electric mechanism.



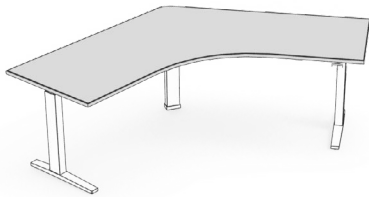
### navigate height-adjustable tables

- Option of five types of base mechanisms including: electric and counterbalance
- One worksurface style:
  - Rectangular
- Worksurface finishes available:
  - Source Laminate, Foundation Laminate, Flintwood and Natural Veneer
- Power and undersurface cable management options available



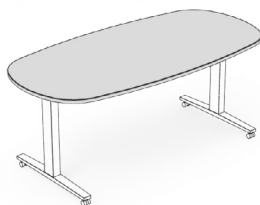
### navigate height-adjustable extended corner and navigate height-adjustable gable leg complete tables

- Option of two types of base mechanisms including: standard electric and extended electric
- Two worksurface styles:
  - Extended corner and rectangular
- Worksurface finishes available:
  - Foundation Laminate, Flintwood and Natural Veneer
- Power and undersurface cable management options available on the Navigate Height-Adjustable Gable Leg Complete Tables



### navigate 120 height-adjustable freestanding tables

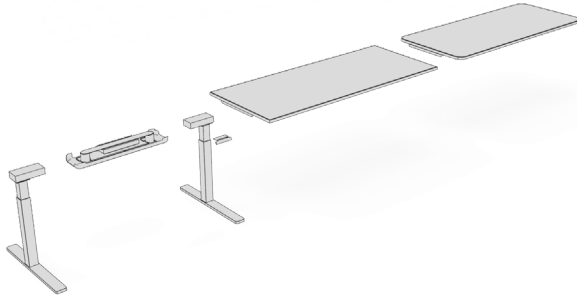
- Option of two types of base mechanisms including: standard electric and extended electric
- One worksurface style available:
  - 120°
- Worksurface finishes available:
  - Source Laminate, Foundation Laminate, Flintwood and Natural Veneer
- Power and undersurface cable management options available



### navigate height-adjustable meeting tables

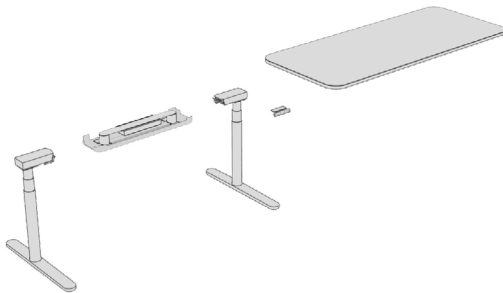
- Option of two base mechanisms: fixed height or standard electric
- Three worksurface styles:
  - Boat, Rectangular and Oval
- Worksurface finishes available:
  - Foundation Laminate, Flintwood and Natural Veneer
- Optional casters available

## understanding height-adjustable tables (continued)



### hiSpace quick connect freestanding height-adjustable tables

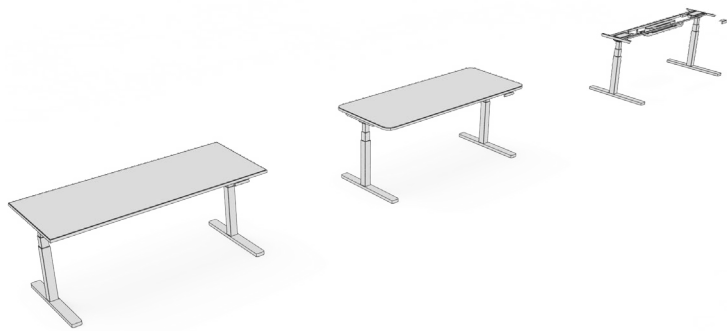
- HiSpace Quick Connect Height Adjustable Tables consist of two pieces ordered separately
  - Height-adjustable base
  - Worksurface with adjustable frame that easily connects to the base
- Base mechanism:
  - Extended Range Electric
- Option of two leg styles:
  - C-Leg
  - T-Leg
- Worksurface styles:
  - Rectangular
  - Rectangular with Radius Corners
- Worksurface finishes:
  - Foundation Laminate
- Cable Management option



### hiSpace quick connect height-adjustable round leg tables

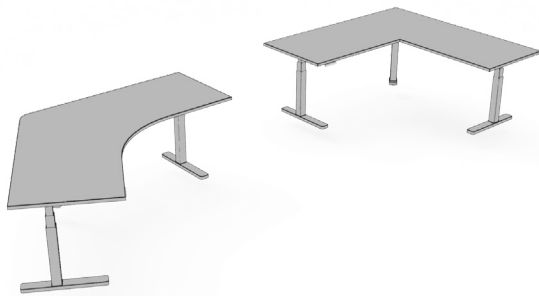
- Round Leg height-adjustable table matches the round leg aesthetic of Routes
- hiSpace Quick Connect Height-Adjustable Round Leg Tables are ordered with a worksurface with assembled frame that easily connects to the base on-site
- Base mechanism:
  - Extended Range Electric
- Two leg styles:
  - Round Leg
- Worksurface styles:
  - Rectangular
  - Rectangular with Radius Corners
- Worksurface finishes:
  - Foundation Laminate
- Edge Trim Finishes:
  - Matching trim
  - Routes edge trim finishes (see Routes Reference Guide for finish options)
- Cable Management option

## understanding height-adjustable tables (continued)



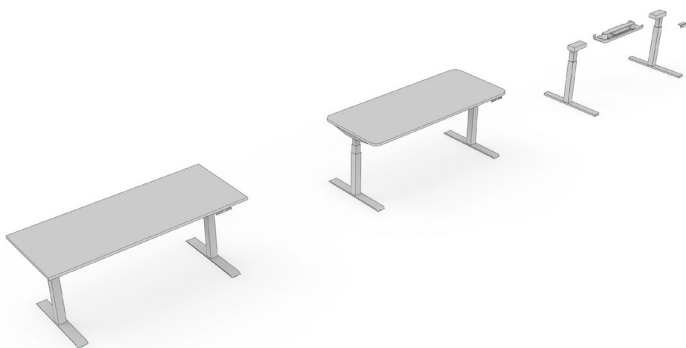
### hiSpace basic height-adjustable tables

- hiSpace Basic Height-Adjustable Tables are ordered as complete tables or base only and require assembly on-site
- Option of two base mechanisms:
  - Extended Range Electric
  - Fixed Height
- Two complete tables including base with worksurface:
  - Extended Range Electric Base with Rectangular worksurface
  - Extended Range Electric Base with Rectangular worksurface with Radius Corners
- Worksurface finishes available:
  - Foundation Laminate
- Cable Management option included
- Requires assembly



### hiSpace basic 120 and extended tables

- hiSpace Basic 120 Tables are ordered as ordered with a worksurface that easily connects to the base and requires assembly on-site
- hiSpace Basic Extended Tables are ordered as complete tables
- Option of two base mechanisms:
  - Extended Range Electric
  - Fixed Height
- Worksurface finishes available:
  - Foundation Laminate
- Cable Management option included

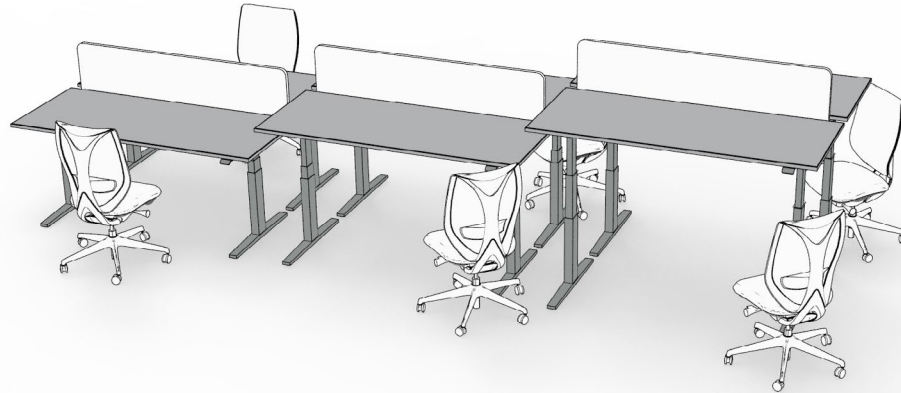


### hiSpace slide height-adjustable tables

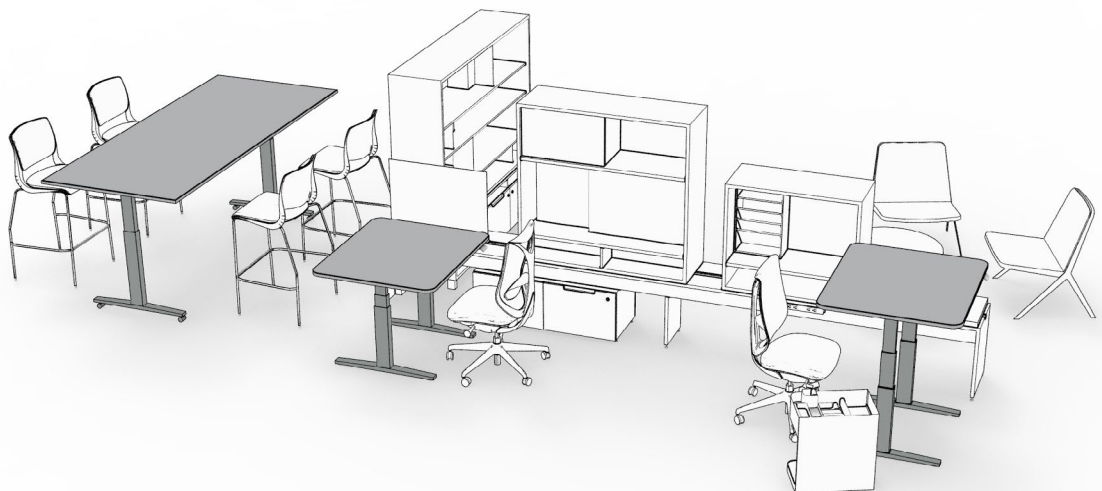
- hiSpace Slide Height-Adjustable Tables are ordered as complete tables or base only and require assembly on-site
- Option of one base mechanism:
  - Extended Range Electric
- Two complete tables including base with worksurface:
  - Extended Range Electric Base with Rectangular worksurface
  - Extended Range Electric Base with Rectangular worksurface with Radius Corners
- Worksurface finishes available:
  - Foundation Laminate
- Cable Management (optional)
- Requires assembly

## what can you do with height-adjustable tables

layout 01: workstation cluster

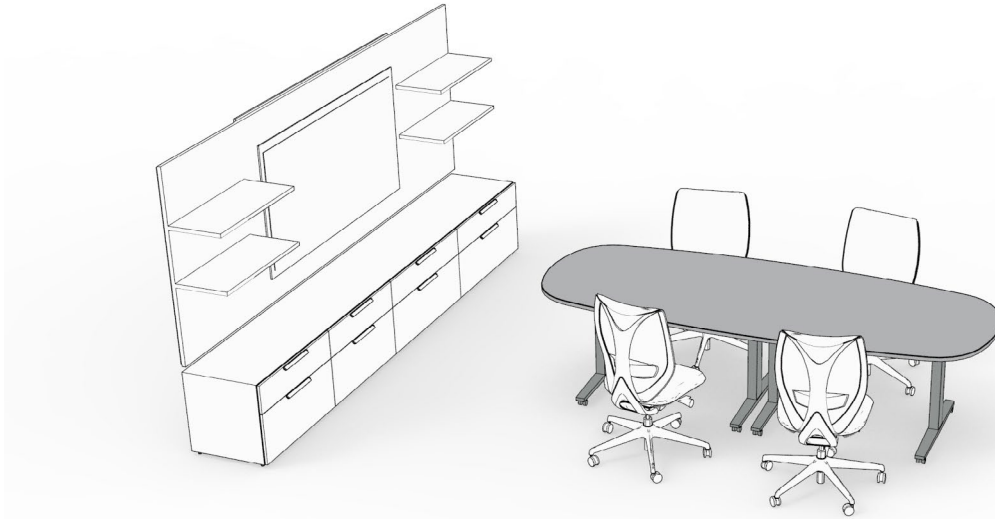


layout 02: design studio configuration

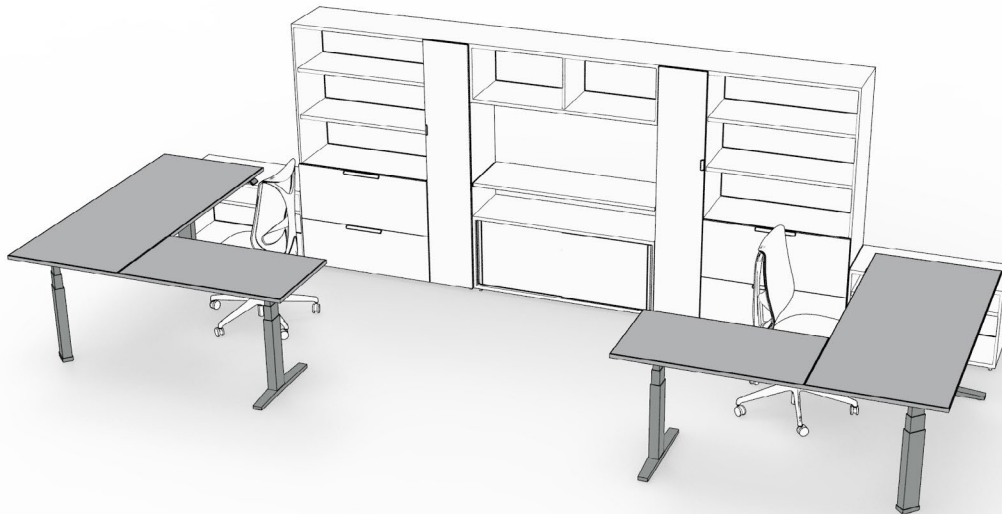


## what can you do with height-adjustable tables (continued)

layout 03: meeting space configuration

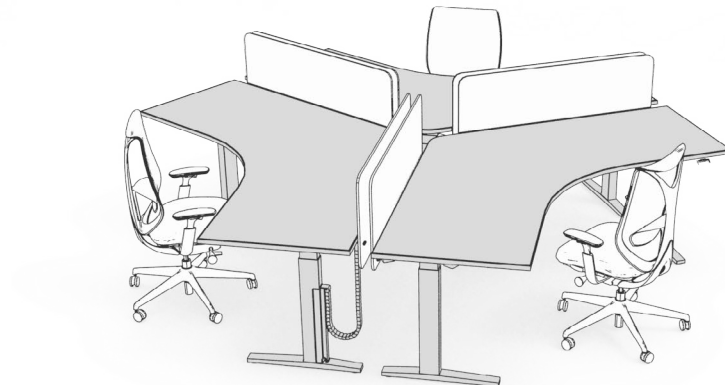


layout 04: workstation cluster for extended tables

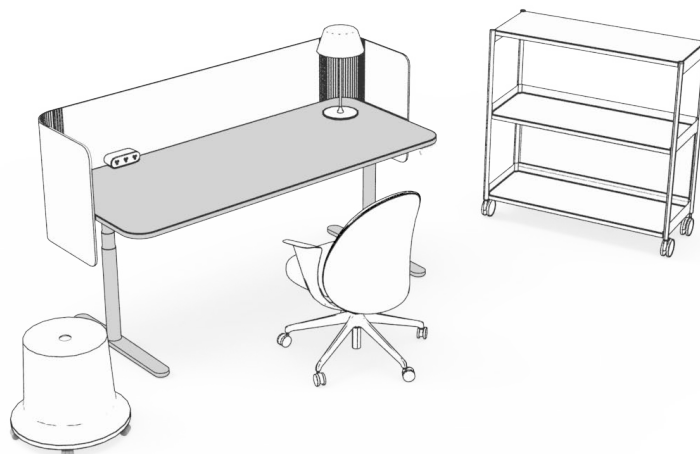


## what can you do with height-adjustable tables (continued)

layout 05: 120 height-adjustable freestanding tables



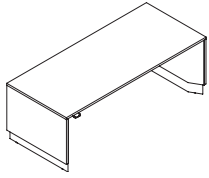
layout 06: private workspace with height-adjustable round leg table



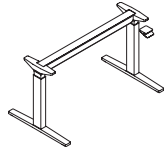


# height-adjustable tables

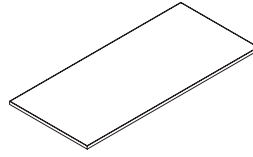
## product map



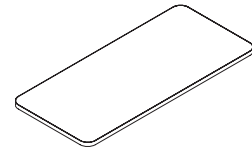
Navigate Height-Adjustable  
Gable Leg Complete Table (YTH)



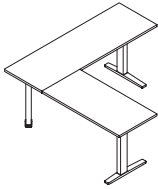
Navigate Height-Adjustable  
Freestanding Table Base Only  
(YAH)



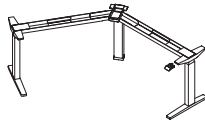
Rectangular Height-Adjustable  
Worksurface for Navigate (WBH)



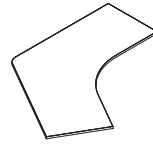
Rectangular Height-Adjustable  
Worksurface with Radius Corners  
for Navigate (WJH)



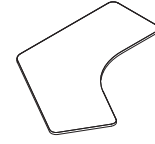
Navigate Height-Adjustable  
Extended Corner Complete Table  
(YJH)



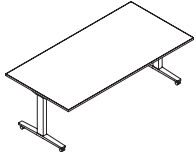
Navigate 120 Height-Adjustable  
Freestanding Table Base Only  
(YNH)



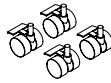
Height-Adjustable Worksurface for  
Navigate 120 (WBN)



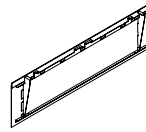
Height-Adjustable Worksurface with  
Radius Corners for Navigate 120  
(WJN)



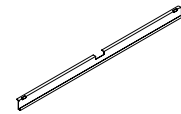
Navigate Height-Adjustable Meeting  
Table (YRH)



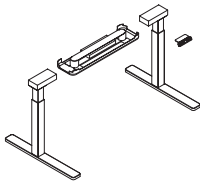
Height-Adjustable Table - Caster Kit  
(YHCA)



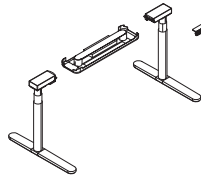
Height-Adjustable Modesty Panel  
(YHMP)



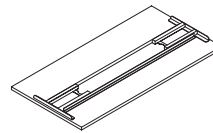
Complements Wire Tray (YHWT)



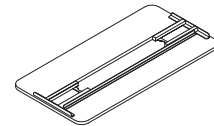
hiSpace Quick Connect Height-  
Adjustable Freestanding Table  
Mechanism (YSX)



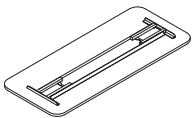
hiSpace Quick Connect Height-  
Adjustable Mechanism, Round Legs  
(YQX)



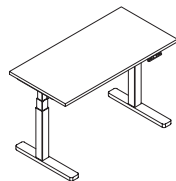
Rectangular Height-Adjustable  
Worksurface with Connection Kit  
for hiSpace Quick Connect (WBX)



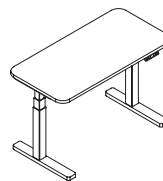
Rectangular Height-Adjustable  
Worksurface with Radius Corners  
and Connection Kit for hiSpace  
Quick Connect (WJX)



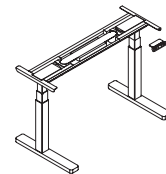
Rectangular Height-Adjustable  
Worksurface with Routes Radius  
Corners and Connection Kit for  
hiSpace Quick Connect (WQX)



hiSpace Basic Height-Adjustable  
Freestanding Complete Table with  
Rectangular Worksurface (YSRB)

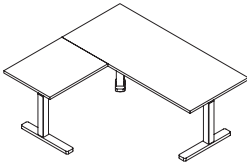


hiSpace Basic Height-Adjustable  
Freestanding Complete Table with  
Rectangular Worksurface with  
Radius Corners (YSRJ)

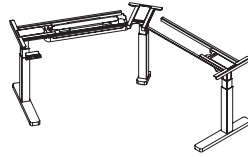


hiSpace Basic Height-Adjustable  
Freestanding Base Only (YSYR)

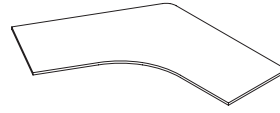
## product map



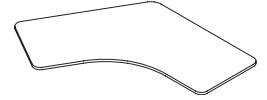
hiSpace Basic Height-Adjustable  
Extended Corner Complete Table  
(YJS)



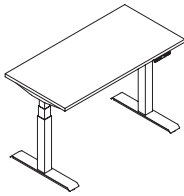
hiSpace Basic 120 Height-Adjustable  
Freestanding Table Base Only (YNS)



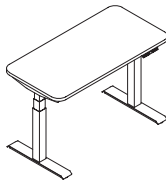
Height-Adjustable Worksurface for  
hiSpace Basic 120 (WBS)



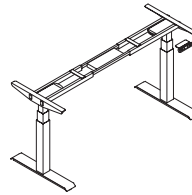
Height-Adjustable Worksurface with  
Radius Corners for hiSpace Basic  
120 (WJS)



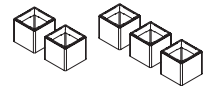
hiSpace Slide Height-Adjustable  
Freestanding Complete Table with  
Rectangular Worksurface (YSKB)



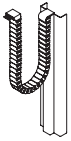
hiSpace Slide Height-Adjustable  
Freestanding Complete Table with  
Rectangular Worksurface with  
Radius Corners (YSKJ)



hiSpace Slide Electric  
Height-Adjustable Base Only (YSK)



hiSpace Height-Adjustable Leg Riser  
Kit (YSRK)



Vertical Wire Carrier (YEEE)



Worksurface Wire Loom (YESL)

## collision detection

**Collision Detection is a standard feature on all Teknion freestanding, benching, and integrated electric height-adjustable bases and tables.**

Collision Detection is available using two systems with functionally identical response performance.

### collision detection - piezo

Piezo based collision detection is a hardware-based sensor that is integrated in the height-adjustable lifting column. The detection is based on piezoelectric technology and reacts to load demands on each leg column. The piezo sensor will detect a direct obstruction when your base or table is adjusted in either direction. Once a detection is made, the table will stop, reverse direction by 1", display an error code on the control panel, and temporarily lock out all adjustments.

### collision detection - gyroscope

Gyroscope based collision detection is provided in one of two styles; control box integrated gyroscope or control box plug-in gyroscope. Both styles use multiple sensors to detect when the table surface orientation is tilted from its default. This can occur when the table collides with an object in either direction, or if the table is experiencing instability such as tipping in either direction. Once a detection is made, the table will stop, reverse direction by 1", display an error code on the control panel, and temporarily lock out all adjustments.

### collision detection system application

#### Base/Table Application and Collision Detection Performance

Collision Detection performance is altered when used in a Height-Adjustable Bench (HAB) application and when a base/table has more than 2-leg columns (i.e. Extended Corner or 120°).

#### Height-Adjustable Bench

The multiple connection points and resultant rigid frame structure of HAB products reduce the level of “tilt” or “twist” in the frame thus reducing the sensitivity of the overall system. The system still has adequate response; however, slightly more “tilt” or “tip” will be required to activate.

#### More Than 2 Leg Columns

Due to the geometry of Extended Corner and 120° bases/tables, the distance from the control box sensors is further. This results in a minor sensitivity reduction of the overall system in this application. The system still has a safe and reliable response; however, slightly more “tilt” or “tip” will be required to activate.

### speed reduction

In compliance with height-adjustable test standards regarding safety speed and entrapment hazards, all height-adjustable electric tables movement speed in the downward direction is limited to 1" per second for the last 5" of downward travel.

**\*NOTE:** Altos In-Wall solutions are a specialized integrated height-adjustable solution that has an alternate electrical current based collision detection. Collision Detection performance is identical to that of the systems listed above in this application.