# Planning Guide ■

InTandem® Table System

September 2018



KI

Furnishing Knowledge®

## InTandem Table System

A. End Divider Screen - 17" H x 24" W

B. PowerUp Module

C. Privacy Screen - 17" H x 36" W

D. Elliptical Post-Formed Edge Worksurface - 36" W x 24" D

E. Dual-Door Beam

F. C-Leg

The InTandem® Table System is the perfect information age solution for the classroom and business educational environments. The InTandem Table System has an integrated support beam with a comprehensive power and communications distribution system. All wires and communications cables are fully accessible from both sides of the table via the unique InTandem dual access beam. A wide variety of worksurface sizes and shapes meet layout requirements. Privacy and divider screens help establish territory and seated-height privacy while maintaining standing-height visual contact. Tamper-resistant fasteners prevent tampering and removal of components. InTandem's design integrates function and ergonomics to provide solutions that meet ANSI/BIFMA and ADA user requirements, and the entire system is UL listed to ensure safety.

G. Data Wireway Cover

H. Back-Side Access Door

I. Data Wireway

J. User-Side Access Door

K. Grommet

The entire InTandem Table System is UL listed, not just the electrical system. The freestanding frames with casters are not included in the Listed System.

The InTandem system is offered in a wide range of colorful laminates and trim colors to meet your design expressions and to coordinate with various KI furniture solutions. Privacy screen brackets, divider brackets, and interior beam components available in Graphite Dark only.

**INTANDEM PRODUCT OVERVIEW**

**InTandem Table System Product Overview**

Certain items must be specified to create a freestanding InTandem table. The following is a list of items that must be included, and a checklist of things to be considered:

To order a table or group of tables these three items are required:
1. Worksurface

2. Beam (Same length as worksurface)

3. Legs (Shared/End C-Leg or Corner Post Leg)

If tables are to be powered with 10-wire electrical system, these three items are required: (along with powered beam - above)
1. 10-Wire Power Infeed

2. 10-wire Table-to-Table Jumpers (at every table joint)

3. Receptacles

Everything else is optional or an accessory item.

The following should be considered and reviewed when specifying:
- Always use the largest worksurface top possible. A 72" wide top is more economical than two 36" tops.

- Two grommets are standard on rectangular worksurfaces. Four grommets are optional on 60", 66" and 72" worksurfaces. PowerUp & Villa power modules may take the place of grommets.

- The "Beam Type" option on the worksurface determines the length of the cord on the PowerUp & Villa power module (PB Powered Beams will receive a 22" cord; NB Non-Powered Beams will receive a 108" cord). If no power modules are required, the beam type on the worksurface is irrelevant.

- Beams must be specified separately. Beam length must correspond with worksurface width.

- Two receptacles can be specified per one side of beam (except 24" beams, which only accept one receptacle). Back-to-back applications can accept four receptacles per beam (except 24" beams, which only accept two receptacles). Optional Quad beams can be specified for 60", 66" and 72" beams which can accept four receptacles per one side of beam.

- Data Covers inside the beams conceal and secure the data wires. Specify "ND" option on beams for No Data Covers, or "DC" option for Data Covers.

- Cutouts for data connections are automatically included in the beam. Data connection plates, data connectors, and wiring are not included. See page 14 for cutout sizes.

- One 10-wire power infeed is recommended per eighteen stations, with three stations per circuit with full use of all six circuits (based on desktop computers). If utilizing laptops, recommendation changes to 36 stations per infeed, 6 stations per circuit with full use of all six circuits.

- When more than one 10-wire power infeed is used per row, table-to-table jumpers are not used at the power split location.

- Top infeeds cannot be specified on tables using wheelchair kits.

- Corner beams, with 10-wire electrical, include a 10-wire jumper on the right side.

- Hardwired beams require only an infeed kit. The receptacles are included in the beam and the electrician must supply all of the wire and connectors.

- Divider screens cannot be used without privacy screens.

- If privacy screens are used without dividers, you must specify the Stand-Alone Privacy Screens.

- 23" high privacy screens and dividers are not available on 24" deep worksurfaces due to stability concerns.

- Product ships KD (knocked down). Refer to assembly instructions for assembly details.

**WORKSURFACES**

**Product Overview**

**Worksurface Edges:** Three edge options are available: a rectangular 74P front edge or an elliptical front edge treatment with a choice of two styles: post-formed or molded urethane edge.

**Worksurface:** The InTandem Table System provides the easiest way to access power & data for worksurfaces. Worksurfaces are available in rectangular, square corner, and transitional corner shapes which are offered in multiple table widths and depths.

**Worksurface with Power Modules:** PowerUp or Villa modules can be specified in place of any grommet.

**Under Worksurface Clearance:** To calculate available space under InTandem worksurfaces, reference page 11.

**Worksurface Construction**

- Horizontal worksurfaces are constructed of $1^1/_8$" thick 45# density particleboard with 0.30" thick high pressure laminate and 0.30" thick high-pressure backing sheet.

- Overall thickness is $1^1/_4$".

- Standard KI laminates are available in a choice of color.

**Worksurface Edges**

**74P Edges**

- Worksurface has a 74P on all edges.



0.030" high-pressure laminate top

$1^1/_4$" overall

74P edge

0.030" high-pressure backer
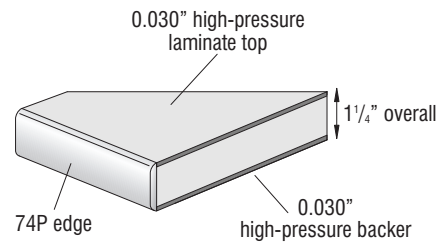
**74P Edge**

**Elliptical Post-Formed Edges**

- Worksurface has an elliptical post-formed front shape edge; rear edge and two sides will be covered with matching flat .024" polypropelyne edge banding to match the front edge color.



0.030" high-pressure laminate top

$1^1/_4$" overall

elliptical post-formed laminate edge

flat polypropelyne side and rear edge

0.030" high-pressure backer
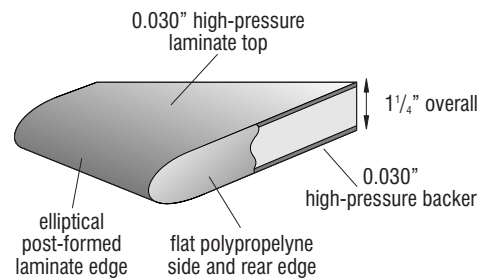
**Elliptical Post-Formed Edge**

**Molded Urethane Edges**

- Worksurface has an elliptical front edge and the remaining edges have $1/_4$" molded urethane to match the front edge color.



0.030" high-pressure laminate top

$1^1/_4$" overall

molded urethane edge

$1/_4$" molded urethane side and rear edge

0.030" high-pressure backer
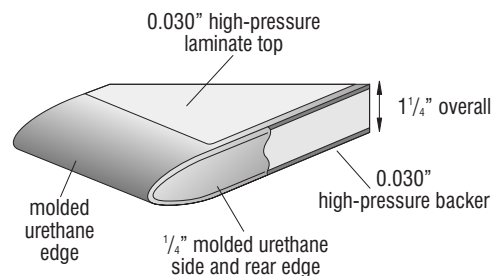
**Molded Urethane Edge**

**Rectangular
Worksurfaces
with Two
Grommets**

**Rectangular Worksurface with Two Grommets**

- Rectangular worksurfaces are available with an elliptical post-formed front edge with polypropelyne self-edging on the sides and rear edges, 74P edging on the sides and rear or with a molded urethane front edge, with $1/4$" molded urethane on sides and rear.
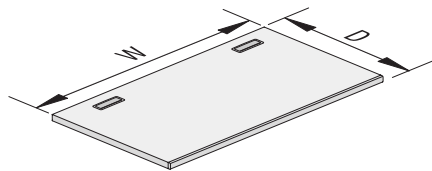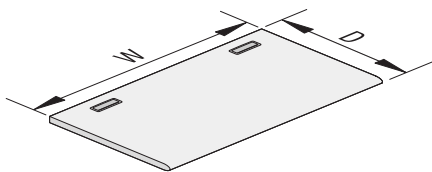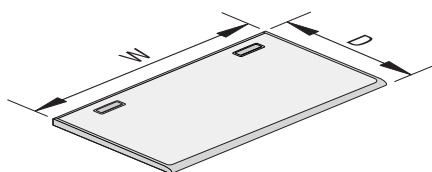
- $2^1/_4$" x $5^3/_4$" cutout for wire management is standard.

- Two grommet cover styles are available: plastic (flip-top grommet cover) and metal (Villa grommet cover).

  - Flip-top grommet cover (plastic) - Grommet cover fits securely into a $6^1/_4$" x 3" cutout and rests 0.1" above the worksurface. Above the worksurface, the grommet cover is $6^3/_4$" wide by 3.40" deep and 0.1" high when the cover is closed, 1.61" when the cover is opened.

  - Villa grommet cover (metal) - Specified for use as a grommet cover for the Villa™ power module. Grommet fits securely into a $6^1/_4$" x 3" cutout. Above the worksurface, the grommet is 6.86" wide by 3.56" deep and 0.06" high when the cover is closed, 2" high when the cover is opened.

- PowerUp® or Villa power module with 3-prong plug can be ordered in place of grommet. PowerUp® or Villa™ power modules with 3-prong plug for powered beams include a 22" cord. PowerUp® or Villa™ power modules with 3-prong plug for non-powered beams include a 108" cord.

- Beams and legs must be specified separately.

- Legs are attached to the worksurface through threaded steel inserts. The 60", 66" and 72" wide worksurfaces have threaded inserts for the attachment of middle divider screens.

**74P Edge Rectangular Worksurface
with Two Grommets**

**74P Edge Rectangular Worksurface with Two Grommets:**
- Depth - 24", 30"
- Width - 24", 30", 36", 42", 48", 54", 60", 66", 72"

**Elliptical Post-Formed Edge Rectangular
Worksurface with Two Grommets**

**Elliptical Post-Formed Edge Rectangular Worksurface with Two Grommets:**
- Depth - 24", 30"
- Width - 24", 30", 36", 42", 48", 54", 60", 66", 72"

**Urethane Edge Worksurface
with Two Grommets**

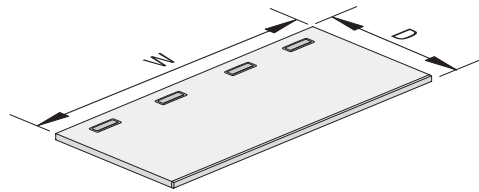**Urethane Edge Rectangular Worksurface with Two Grommets:**
- Depth - 24", 30"
- Width - 36", 42", 48", 60", 66", 72"

**Rectangular Worksurfaces with Four Grommets**

**Rectangular Worksurface with Four Grommets**

Rectangular worksurfaces are available with an elliptical post-formed front edge with flat polypropelyne self-edging on the sides and rear edges, 74P edging on the sides and rear or with a molded urethane front edge, with $1/4$" molded urethane on sides and rear.
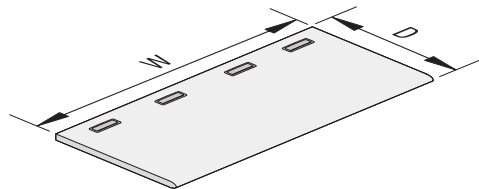
- $2^1/_4$" x $5^3/_4$" cutout for wire management is standard.

- Two grommet cover styles are available: plastic (flip-top grommet cover) and metal (Villa grommet cover).

  - Flip-top grommet cover (plastic) - Grommet cover fits securely into a $6^1/_4$" x 3" cutout and rests 0.1" above the worksurface. Above the worksurface, the grommet cover is $6^3/_4$" wide by 3.40" deep and 0.1" high when the cover is closed, 1.61" when the cover is opened.

  - Villa grommet cover (metal) - Specified for use as a grommet cover for the Villa™ power module. Grommet fits securely into a $6^1/_4$" x 3" cutout. Above the worksurface, the grommet is 6.86" wide by 3.56" deep and 0.06" high when the cover is closed, 2" high when the cover is opened.

- PowerUp® or Villa power module with 3-prong plug can be ordered in place of grommet. PowerUp® or Villa power modules with 3-prong plug for powered beams include a 22" cord. PowerUp® or Villa power modules with 3-prong plug for non-powered beams include a 108" cord.

- Beams and legs must be specified separately.

- Legs are attached to the worksurface through threaded steel inserts. The 60", 66" and 72" wide worksurfaces have threaded inserts for the attachment of middle divider screens.



**74P Edge Rectangular Worksurface with Four Grommets**

**74P Edge Rectangular Worksurface with Four Grommets:**
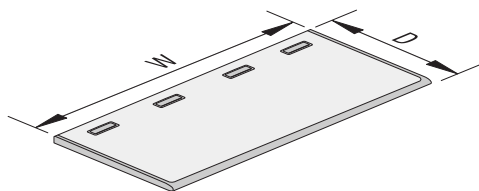- Depth - 24", 30"
- Width - 60", 66", 72"



**Elliptical Post-Formed Edge Rectangular Worksurface with Four Grommets**

**Elliptical Post-Formed Edge Rectangular Worksurface with Four Grommets:**
- Depth - 24", 30"
- Width - 60", 66", 72"



**Urethane Edge Worksurface with Four Grommets**

**Urethane Edge Rectangular Worksurface with Four Grommets:**
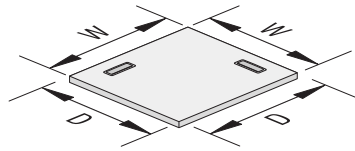- Depth - 24", 30"
- Width - 60", 72"
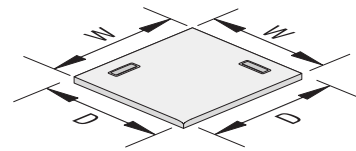
**Square Corner Worksurfaces**

### Square Corner Worksurfaces

Square corner worksurfaces are designed for use with matching depth adjacent worksurfaces.

• One support leg required per corner surface to be ordered separately.

• All four edges of worksurface are covered with matching flat .024" edge banding.

• Worksurfaces have two grommets positioned along the left and right corner.

• Not available with PowerUp® or Villa power modules.

• Not available with powered beams.

**74P Edge Square Worksurface with Two Grommets**

**Elliptical Post-Formed Edge Square Worksurface with Two Grommets**
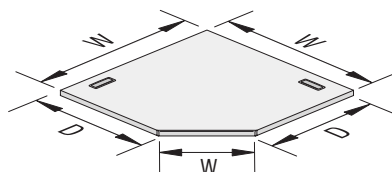
**Square Corner Worksurfaces:**
• Depth - 24", 30"
• Width - 24", 30"

• Corner surfaces are not available with urethane edges.

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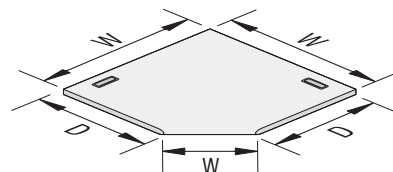**Transitional Corner Worksurfaces**

### Transitional Corner Worksurfaces

Transitional corner worksurfaces are the same basic construction as the square corner worksurfaces, with a 74P or elliptical post-formed front edge.

• One support leg required per corner surface to be ordered separately.

• Transitional corner surfaces have edges on side and rear covered with matching flat .024" edge banding.

• The laminate on transitional corner worksurfaces runs diagonally, paralleling the front edge.

• Worksurfaces have two grommets with openings for wire management positioned along the left and right back corners.

• Available with PowerUp or Villa power modules.

**74P Edge Transitional Corner Worksurface with Two Grommets**

**Elliptical Post-Formed Edge Transitional Corner Worksurface with Two Grommets**

**Transitional Corner Worksurfaces:**
• Depth - 24", 30"
• Width - 36"

• Depth - 30"
• Width - 36", 42"

• Corner surfaces are not available with urethane edges.

**Worksurfaces with PowerUp® or Villa Power Modules with 3-Prong Plug**

**Worksurfaces with PowerUp® or Villa Power Modules with 3-Prong Plug**

- PowerUp or Villa power module with 3-prong plug can be specified in place of any grommet.

- Cord length on PowerUp or Villa power modules with 3-prong plug will be determined by the beam type (powered beam applications will receive a 22" cord; non-powered beam applications will receive a 108" cord).
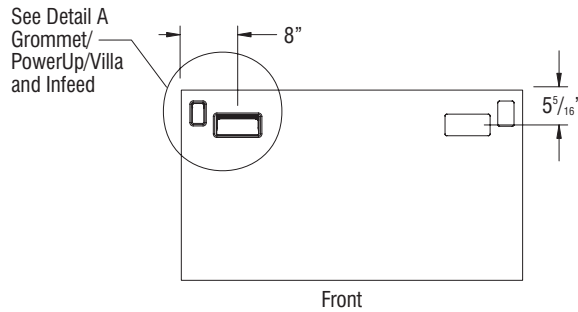


Grommet/PowerUp/Villa and Infeed locations
24" thru 72" length worksurfaces
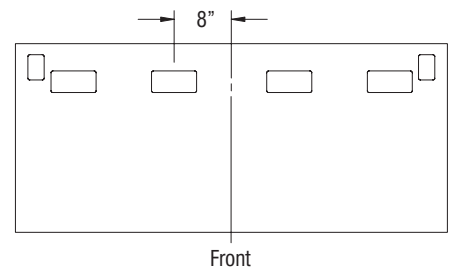
Additional Grommet/PowerUp/Villa and Infeed locations
60" thru 72" length quad grommet worksurfaces

**Grommet/PowerUp/Villa and Infeed Dimensions and Placement**



Overhead infeed opening is included only when
overhead infeed is ordered (Specify left or right).

**Detail A - Grommet/PowerUp/Villa and Infeed Dimensions and Placement**

**Underside Worksurface Clearance**

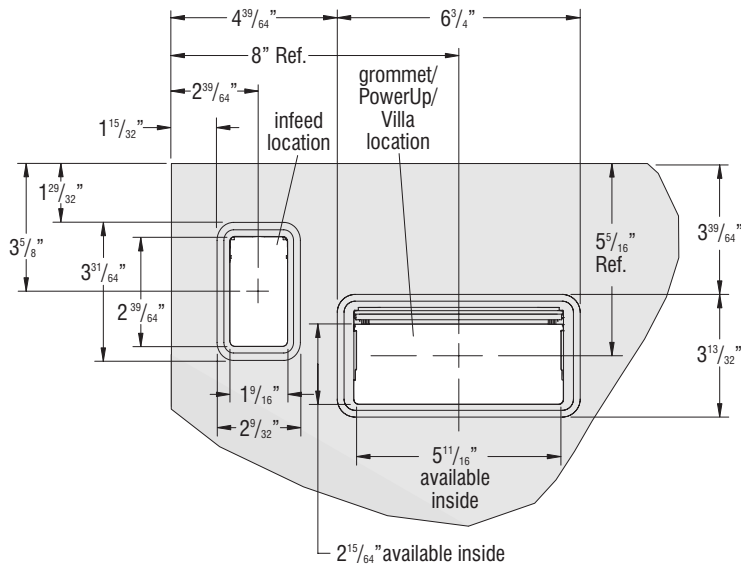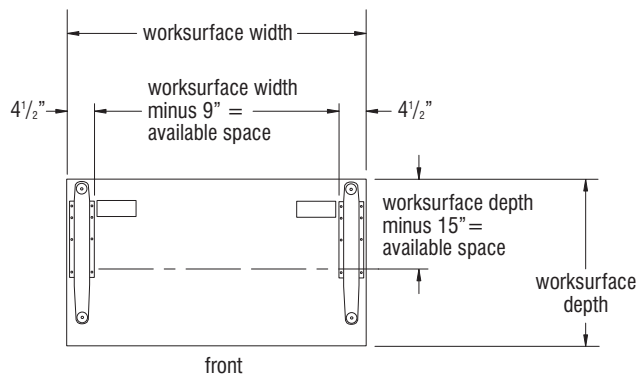**Underside Worksurface Clearance**

- To calculate available width under a stand-alone worksurface, take the worksurface width and subtract $4\frac{1}{2}$" of space for each end leg.

- To calculate available width under an end-of-run shared worksurface, take the worksurface width and subtract the amount of space the end leg consumes, $4\frac{1}{2}$". Then subtract half the amount of space the shared leg consumes, $2\frac{1}{4}$".

- To calculate available width under a shared worksurface, take the worksurface width and subtract half the amount of space each shared leg consumes, $2\frac{1}{4}$" each.

- To calculate the available user-side depth under a worksurface, subtract 15" from the worksurface total depth. The 15" is measured from the back edge and represents 9" which the beam occupies under the worksurface, and an additional 6" for clearance to open the beam door.



**Stand-Alone Worksurface - Underside Worksurface Clearance**
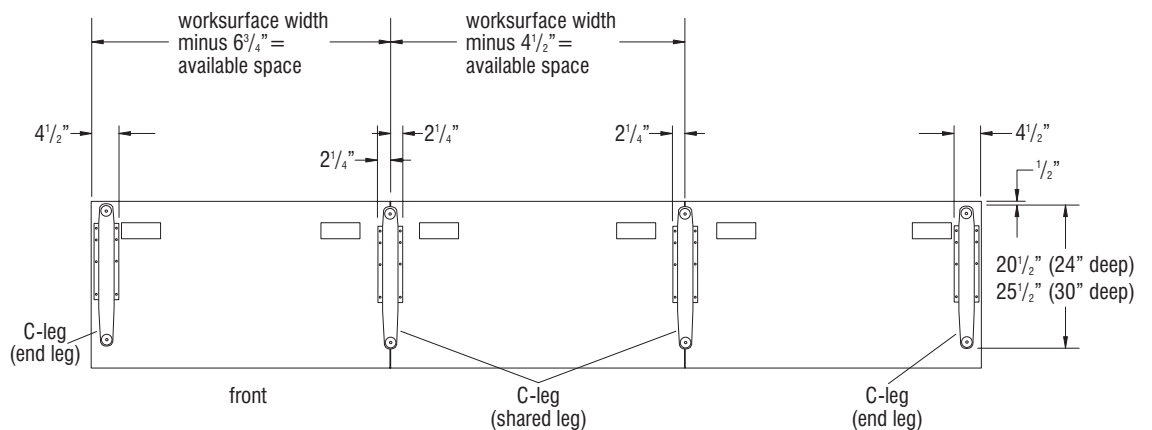


**Shared Worksurfaces - Underside Worksurface Clearance**

**DUAL-DOOR BEAMS**

**Product Overview**

**Dual-Door Beams:** 10-wire, hardwire or non-powered beams. Beam has flip-down doors with convenient access from front or back.

**End-of-Run/Stand-Alone Beams:** End-of-run beams are placed at the ends of a run of worksurfaces and include a set of left- and right-hand beam end caps.

**Middle Beams:** Middle beams are used in the middle between end-of-run beams.

**Corner Middle Beams:** Corner middle beams are used in corner applications and must be specified for use with the same size corner worksurface.
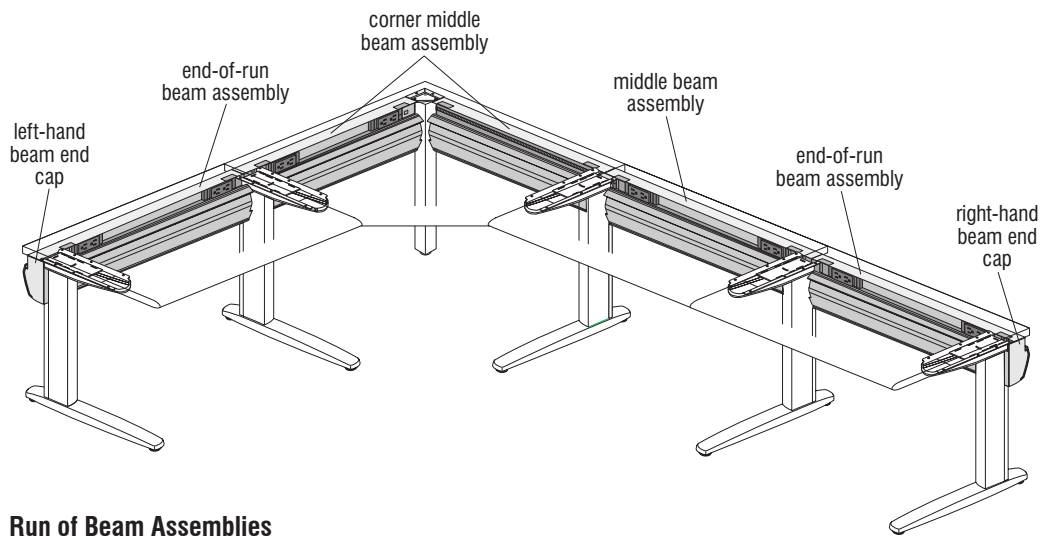
**Run of Beam Assemblies**
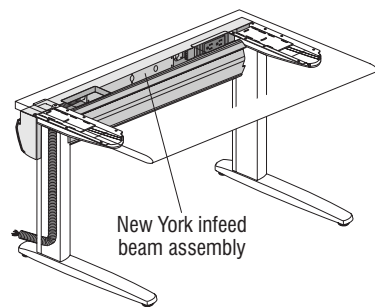
**New York Infeed Beam Assembly**
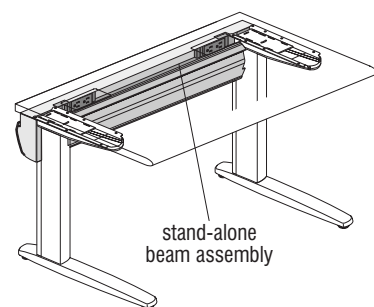
**Stand-Alone Beam Assembly**

**Dual-Door Beams**

### Planning Guidelines

Beam selection is determined first with or without data cover, then by the beam location, then by the power and communications requirements.

- Beams are specified with or without data covers to enclose and conceal wires in the data trough. Reference "Detail - Data Cover Options" below and page 14, "Data Trough" planning guidelines.

- Beams are available for end of-run/stand-alone, middle and corner applications.

- Beam lengths are from 24" to 72" to match the width of the worksurface.

- Beams are available 10-wire, hardwired, or non-powered. See "Detail - Beam Side View" below.

- Power infeeds, jumpers and receptacles must be specified separately for 10-wire powered beams.
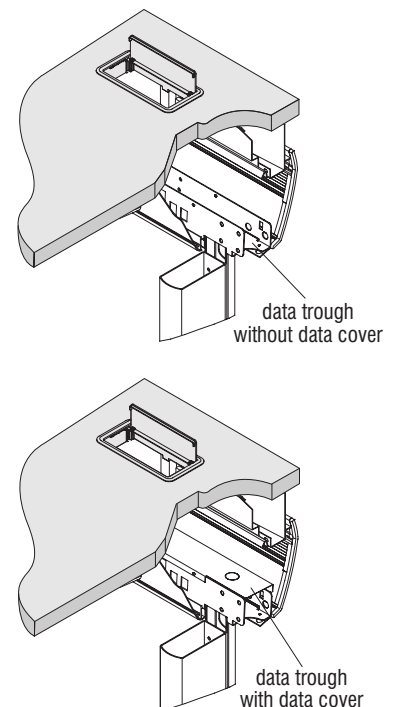
- All beams include two beam doors in a length corresponding to the beam size.

- Both the front (user side) and the back doors have lay-in access for data cables.

- The front door also allows easy access to the power trough.

- The power trough attaches to the underside of the worksurface and the data trough bolts to the legs and supports the beam doors.

- The beam doors are a dual durometer extrusion allowing the doors to pivot at the bottom.

- The power trough has openings on the backside with removable outlet covers for access to receptacles when using back-to-back power. When hardwired power is ordered, the power trough has a cover with holes for simplex receptacles, thereby totally enclosing the 110 volt wiring.

- Customer provided data jacks and data plates snap into pre-punched holes in the data trough.

- All communications/data wiring, connection plates, and jumpers are supplied by the customer.
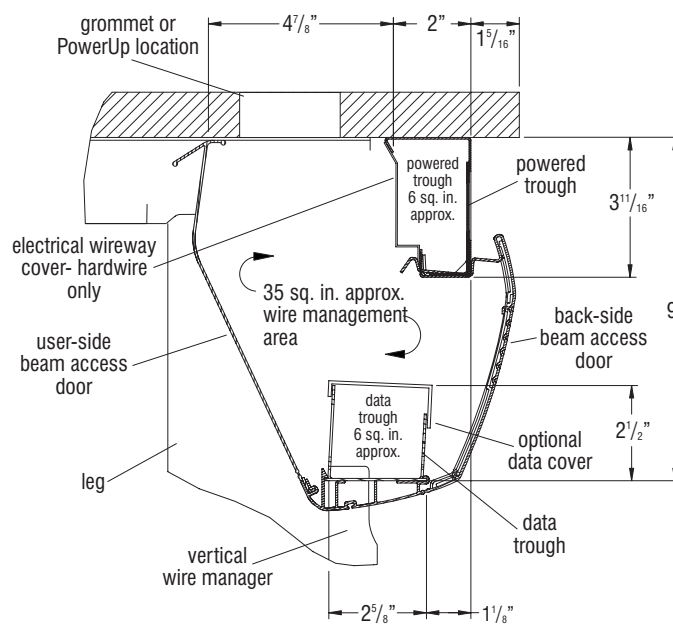


**Detail - Power Trough Side View**

**Detail - Data Cover Options**

**Data Trough**　　　**Planning Guidelines**



Measures 1³/₈" x 2.7" Fits -
• Multi-port Adapter Plates of
Various Manufactures

data jack
opening

data jack
opening

**Detail - Communications cutout groups**

data trough
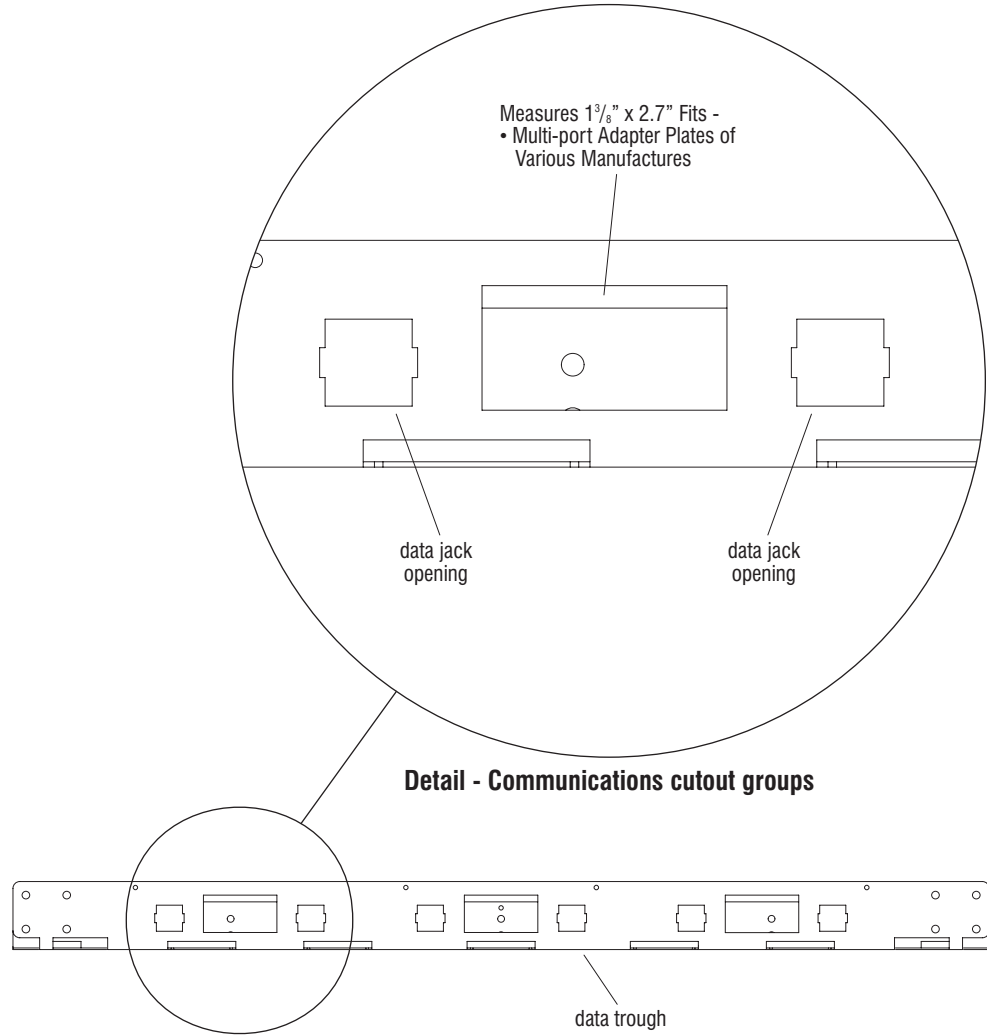


**Data Adapter Plates**

| | |
|---|---|
| A | Blank Plate |
| B | Panduit "CJ" |
| C | Othonics "Trackjack" |
| D | Panduit "KJ and KJA", Amp CAT-3 and CAT-5, Hubble "Hd5", Ortronics "OR-6295003-T568B" and "OR-6295004-T568A" Krone, Leviton "41108-RE5" |
| E | AT&T |

| Beam Length | Number of Communication Groups |
|---|---|
| 18" | 1 |
| 24" | 2 |
| 30" | 2 |
| 36" | 2 |
| 42" | 2 |
| 48" | 2 |
| 54" | 2 |
| 60" | 3 |
| 66" | 3 |
| 72" | 3 |

**Note:** A data tree with four common adapter brackets is provided. Additional adapter plates for brackets/data jacks are supplied by the customer.

**End-of-Run/
Stand-Alone
Beams**

**End-of-Run/Stand-Alone Beam - 10-Wire (T6) with Data Cover (DC) or without Data Cover (ND)**

End-of-run beams are placed at the ends of a run of worksurfaces. Quad beams can be used when two users share one worksurface and each require two cutout openings. Quad beams are required when distributing power on 60", 66" and 72" wide back-to-back, T- and L-configurations.

- Beams have two cutouts on the back (non-user) side of the beam, two receptacle locations on each side of the beam in powered applications. Quad beams have four cutouts on the back (non-user) side of the beam, four receptacle locations on each side of the beam in powered beam applications. End-of-run/stand-alone beam data cover conceals data wires in trough (DC).

- Beam end caps are included on end-of-run/stand-alone beams for left and/or right installation.

- Data jacks/connectors, connection plates and wiring are not included. Beams are pre-punched to accept most data plates. Duplex receptacles, infeeds and jumpers must be ordered separately. Reference page 25 for Electrical Product Overview.



10-wire receptacle
10-wire rigid wireway
end-of-run/stand-alone beam
data cover
beam end cap
end-of-run/stand-alone quad beam
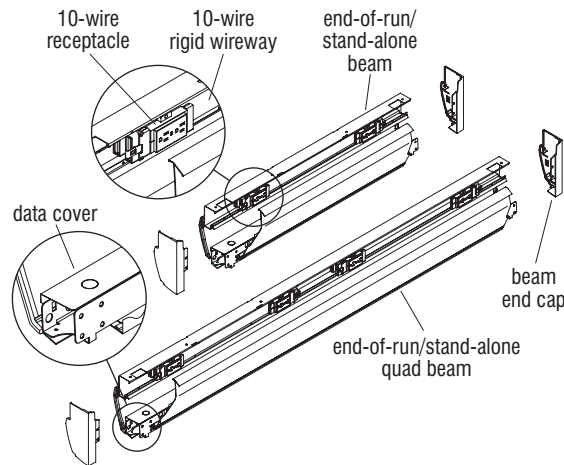
**End-of-Run/Stand-Alone Beam
10-Wire (T6) with Data Cover (DC)
or without Data Cover (ND):**
- Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**End-of-Run/Stand-Alone Quad Beam
10-Wire (T6) with Data Cover (DC)
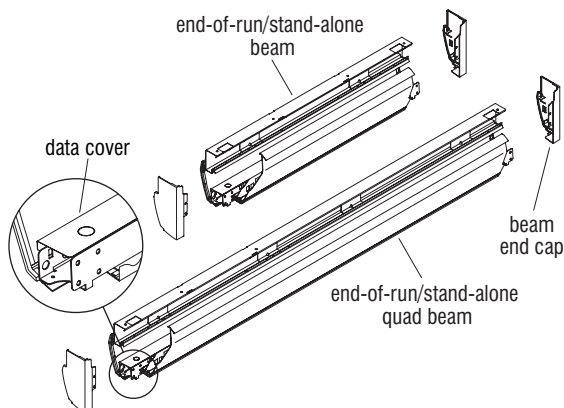or without Data Cover (ND):**
- Width - 60", 66", and 72".
- Two 10-wire rigid wireways are pre-installed inside the beam.

**End-of-Run/Stand-Alone Beams
10-Wire (T6) with Data Cover (DC)**

**End-of-Run/Stand-Alone Beam - No Power (NN) with Data Cover (DC) or without Data Cover (ND)**

End-of-run beams are placed at the ends of a run of worksurfaces.

- End-of-run/stand-alone beam data cover conceals data wires in trough.

- Beam end caps are included on end-of-run/stand-alone beams for left and/or right installation.

- Data jacks/connectors, connection plates and wiring are not included. Beams are pre-punched to accept most data plates.



end-of-run/stand-alone beam
data cover
beam end cap
end-of-run/stand-alone quad beam

**End-of-Run/Stand-Alone Beam
No Power (NN) with Data Cover (DC)
or without Data Cover (ND):**
- Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**End-of-Run/Stand-Alone Quad Beam
No Power (NN) with Data Cover (DC)
or without Data Cover (ND):**
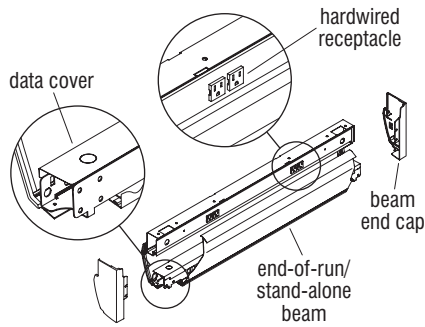- Width - 60", 66", and 72".

**End-of-Run/Stand-Alone Beams
No Power (NN) with Data Cover (DC)**

**End-of-Run/
Stand-Alone
Beams (cont.)**

**End-of-Run/Stand-Alone Beam - Hardwired (HC) with Data Cover (DC) or without Data Cover (ND)**

End-of-run beams are placed at the ends of a run of worksurfaces.

•   End-of-run/stand-alone beam data cover conceals data wires in trough.

•   Beam end caps are included on end-of-run/stand-alone beams for left and/or right installation.

•   Hardwired beams include simplex receptacles. Hardwired infeed must be specified separately. Wires and jumpers must be supplied by the installing electrician.



data cover

hardwired
receptacle

beam
end cap

end-of-run/
stand-alone
beam

**End-of-Run/Stand-Alone Beam
Hardwired (HC) with Data Cover (DC)**

**End-of-Run/Stand-Alone Beam
Hardwired (HC) with Data Cover (DC)
or without Data Cover (ND):**
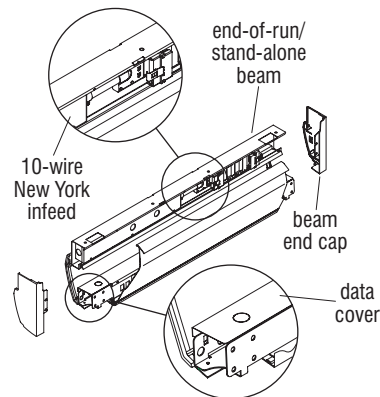•   Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**End-of-Run/Stand-Alone Beam - New York Infeed (NYL/NYR) with Data Cover (DC) or without Data Cover (ND)**

End-of-run beams are placed at the ends of a run of worksurfaces. A unique infeed beam is supplied with a service box for use in New York City.

• Pre-wired 10-wire electrical system.

• For New York infeeds, a left or right beam is determined by placement of the infeed leg when seated at the table.

• Beam end caps are included on end-of-run/stand-alone beams for left and/or right installation.

• Flexible conduit and fittings for the infeed connecting to the building power source must be supplied by the installing electrician.

• Connection box, flexible conduit and all fittings are to meet New York City/Bureau of Electrical Control specifications.

**10-Wire New York Infeed:**

• New York infeed must be hardwired to the building power source by a qualified electrician.

• Meets New York electrical code.

• Accomplished through the use of a power infeed table beam which is supplied with a service entry box.

• The box is sized to be a minimum of $2^1/_4$ cubic inches for each of the ten wires entering from source power. Exiting the other end of the New York infeed box is pre-wired conduit with a connector end which attaches to the 10-wire rigid wireway in the New York Infeed beam.

• Includes steel trim plate with dual holes for electrical and data entry and six feet of liquid-tight flexible conduit $^{13}/_{16}$" diameter.

• If the infeed's "whip" end must exit from the left leg (as seen from the seated position), select the left-hand infeed.

• Similarly, select the right-hand infeed if the "whip" must exit from the right leg (as seen from the seated position).



end-of-run/
stand-alone
beam

10-wire
New York
infeed

beam
end cap

data
cover

**End-of-Run/Stand-Alone Beam**
**New York Infeed (NYL/NYR) with Data Cover (DC)**

**End-of-Run/Stand-Alone Beam**
**New York Infeed (NYL/NYR) with Data Cover (DC)**
**or without Data Cover (ND):**
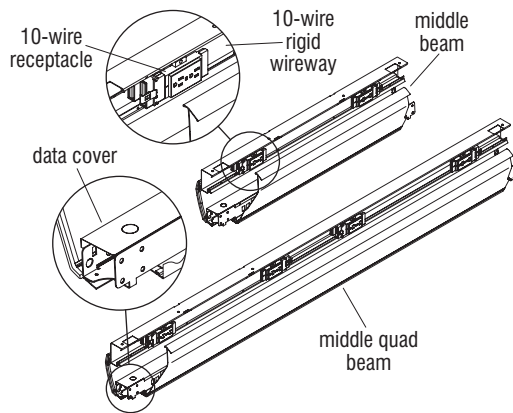• Width - 36", 42", 48", 54", 60", 66", and 72".

**Beam Receptacle Options**

| | 10-Wire | |
|---|---|---|
| Beam Length | Duplex on front of beam | Duplex on back of beam |
| 36" | 1 | 1 |
| 42" | 1 | 1 |
| 48" | 1 | 1 |
| 54" | 2 | 2 |
| 60" | 2 | 2 |
| 66" | 2 | 2 |
| 72" | 2 | 2 |

**Middle Beams**

**Middle Beam - 10-Wire (T6) with Data Cover (DC) or without Data Cover (ND)**

Middle beams are used in the middle between end-of-run beams. Quad beams can be used when two users share one worksurface and each require two cutout openings. Quad beams are required when distributing power on 60", 66" and 72" wide back-to-back, T- and L-configurations.

- Beams have two cutouts on the back (non-user) side of the beam, two receptacle locations on each side of the beam in powered applications. Quad beams have four cutouts on the back (non-user) side of the beam, four receptacle locations on each side of the beam in powered beam applications.

- Middle beam with data cover conceals data wires in trough.

- Beam end caps are not included.

- Data jacks/connectors, connection plates and wiring are not included. Beams are pre-punched to accept most data plates. Duplex receptacles, infeeds and jumpers must be ordered separately. Reference page 25 for Electrical Product Overview.



**Middle Beam
10-Wire (T6) with Data Cover (DC)
or without Data Cover (ND):**
- Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**Middle Quad Beam
10-Wire (T6) with Data Cover (DC)
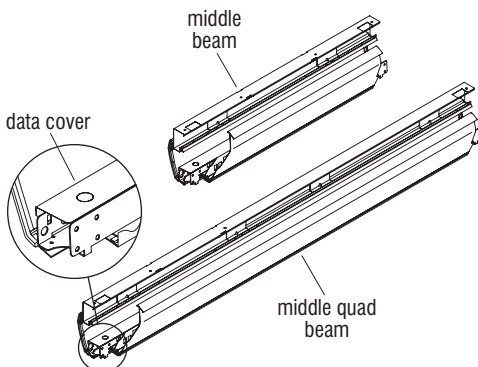or without Data Cover (ND):**
- Width - 60", 66", and 72".
- Two 10-wire rigid wireways are pre-installed inside the beam.

**Middle Beams
10-Wire (T6) with Data Cover (DC)**

**Middle Beam - No Power (NN) with Data Cover (DC) or without Data Cover (ND)**

Middle beams are used in the middle between end-of-run beams. Quad beams can be used when two users share one worksurface and each require two cutout openings.

- Middle beam with data cover conceals data wires in trough.

- Beam end caps are not included.

- Data connectors, connection plates and wiring are not included. Beams are pre-punched to accept most data plates.



**Middle Beam No Power (NN)
with Data Cover (DC) or
without Data Cover (ND):**
- Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**Middle Quad Beam
No Power (NN) with Data Cover (DC) or
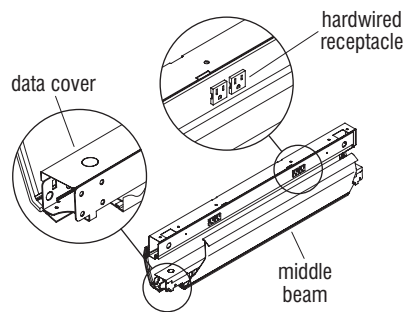without Data Cover (ND):**
- Width - 60", 66", and 72".

**Middle Beams
No Power (NN) with Data Cover (DC)**

**Middle Beams (cont.)**

**Middle Beam - Hardwired (HC) with Data Cover (DC) or without Data Cover (ND)**

Middle beams are used in the middle between end-of-run beams.

- Middle beam with data cover conceals data wires in trough.

- Beam end caps are not included.

- Hardwired beams include simplex receptacles. Hardwired infeed must be specified separately. Wires and jumpers must be supplied by the installing electrician.



data cover

hardwired receptacle

middle beam

**Middle Beam
Hardwired (HC) with Data Cover (DC)**

**Middle Beam Hardwired (HC)
with Data Cover (DC) or without
Data Cover:**
- Width - 24", 30", 36", 42", 48", 54", 60", 66", and 72".

**Corner Middle Beams**
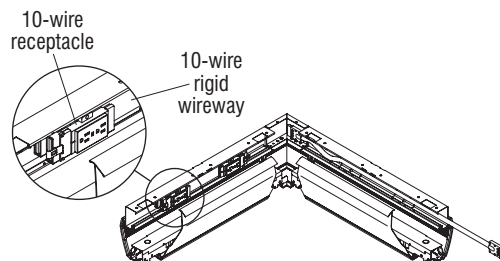
**Corner Middle Beam - 10-Wire (T6) with Data Cover (DC) or without Data Cover**

Corner middle beams are used in corner applications and must be specified for use with the same size corner worksurface.

- Beam end caps are not included. Data jacks/connectors, connection plates and wiring are not included. Beams are pre-punched to accept most data plates. Duplex receptacles, infeeds and jumpers must be ordered separately. Reference page 25 for Electrical Product Overview.

- Corner middle beam with data cover conceals data wires in trough.

- Corner beams with 10-wire electrical include a 10-wire jumper on the right side. This eliminates the need for a table-to-table jumper on the right. Corner beams with 10-Wire electrical have receptacle locations on the left side only.

- Support legs are required for corner beams and must be ordered separately.



10-wire receptacle

10-wire rigid wireway

**Corner Middle Beam
10-Wire (T6) with Data Cover (DC)**

**Corner Middle Beam
10-Wire (T6) with Data Cover (DC)
or without Data Cover:**
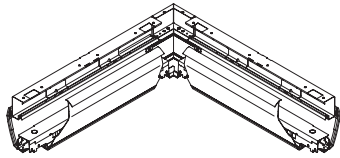- Width - 24" x 24", 30" x 30", 36" x 36", and 42" x 42".

**Corner Middle Beams (cont.)**

**Corner Middle Beam - No Power (NN) with Data Cover (DC) or without Data Cover (ND)**

Corner middle beams are used in corner applications and must be specified for use with the same size corner worksurface.

• Corner middle beam with data cover conceals data wires in trough.

• Beam end caps are not included.

• Support legs are required for corner beams and must be ordered separately.



**Corner Middle Beam
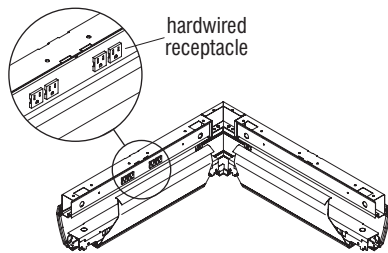No Power (NN) with Data Cover (DC)**

**Corner Middle Beam
No Power (NN) with Data Cover (DC)
or without Data Cover (ND):**
• Width - 24" x 24", 30" x 30", 36" x 36", and 42" x 42".

**Corner Middle Beam - Hardwired (HC) with Data Cover (DC) without Data Cover (ND)**

Corner middle beams are used in corner applications and must be specified for use with the same size corner worksurface.

• Corner middle beam with data cover conceals data wires in trough.

• Does not include beam end caps.

• Hardwired beams include simplex receptacles. Hardwired infeed must be specified separately. Wires and jumpers must be supplied by the installing electrician.

• Support legs are required for corner beams and must be ordered separately.



hardwired receptacle

**Corner Middle Beam
Hardwired (HC) with Data Cover (DC)**

**Corner Middle Beam
Hardwired (HC) with Data Cover (DC)
or without Data Cover (ND):**
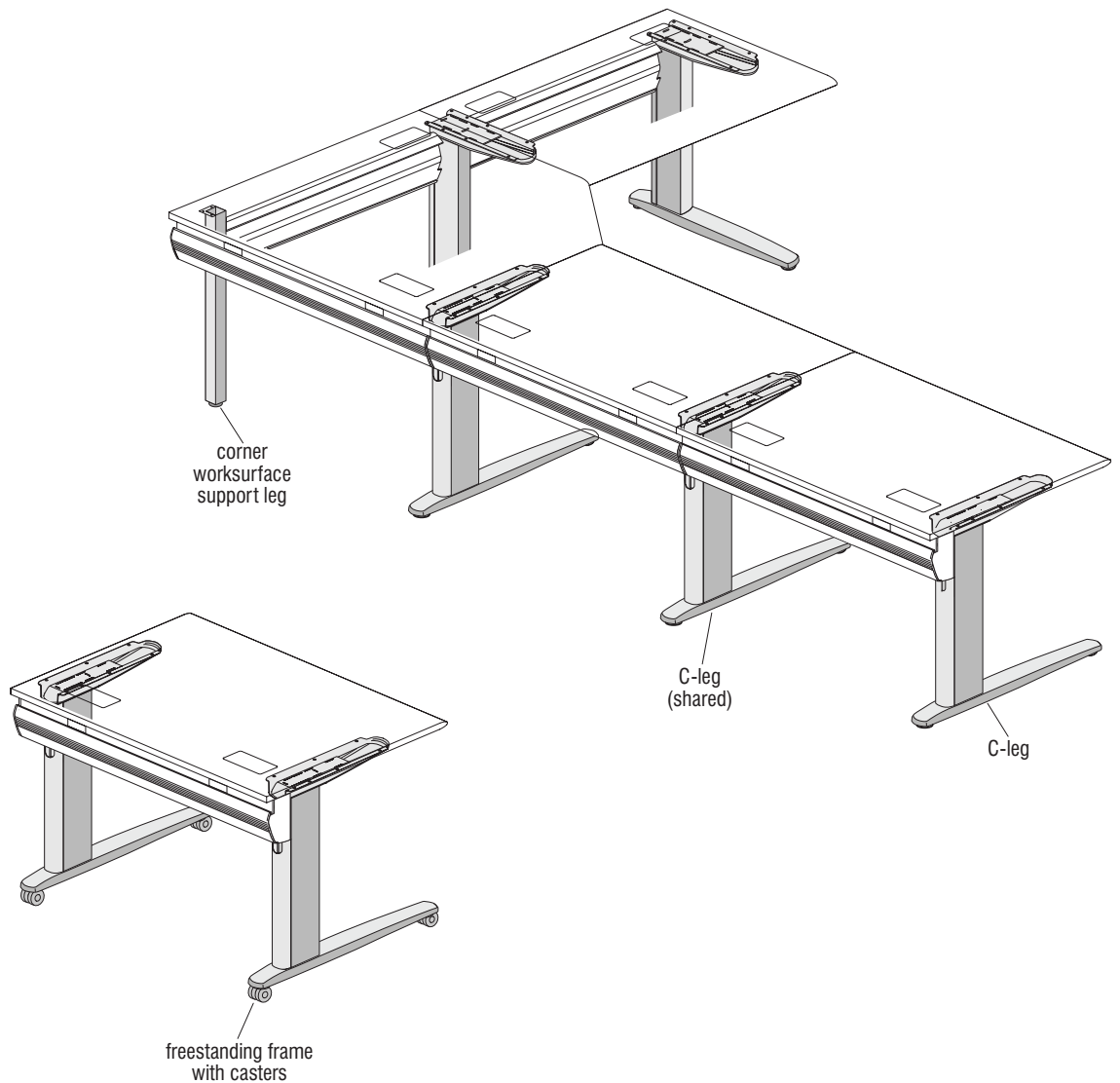• Width - 24" x 24", 30" x 30", 36" x 36", and 42" x 42".

**SUPPORT LEGS**

**Product Overview**

Worksurfaces are supported by two styles of support legs; a C-leg and a corner worksurface support leg. Once the worksurface layout is determined, start at one end of the layout and specify the proper legs for the application.

**C-Legs:** The C-leg can be used as either an end leg or a shared leg and must be specified to match the worksurface depth. Reference page 11 for "Under Worksurface Clearance" planning guidelines.

**Corner Worksurface Support Legs:** One corner worksurface support leg is required for each corner worksurface.

**Freestanding Frames with Casters:** Mobile table option that cannot be electrically connected together and only comes in 30" deep worksurfaces. Freestanding frames with casters are not UL listed.

corner
worksurface
support leg

C-leg
(shared)

C-leg

freestanding frame
with casters

**Support Legs**

### Planning Guidelines

**Support Legs**
Worksurfaces are supported by two styles of support legs; a C-leg and a corner worksurface support leg. Once the worksurface layout is determined, start at one end of the layout and specify the proper legs for the application.
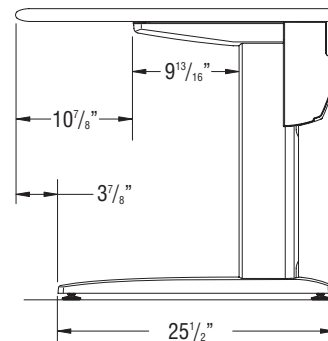
**C-Legs**

### C-Legs

The C-leg can be used as either an end leg or a shared leg and must be specified to match the worksurface depth; 24" or 30".

• Available with $1^1/_4$" vertical glide adjustment in two sit-down heights; 27" and 29". C-leg is also available 38" high for stand-up applications.

• C-legs have a vertical wireway with a reversible cover. The cover can be turned over to create an opening for power or data cabling to enter from the floor. A separate cover for entry of the power infeed is included with the power infeed kit.

• It is not recommended to run power and data up the same leg. See illustration below.
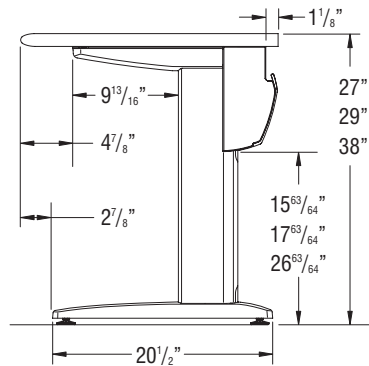


**24" Worksurface Clearance**
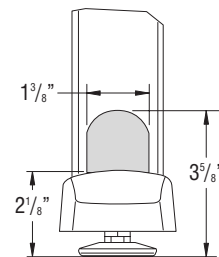


**30" Worksurface Clearance**

**C-Legs:**
• Depth - 24", 30"
• Height - 27", 29", 38"

**Vertical Wireway Cover (Standard)**

• Attaches to the leg and provides for conduit entry.



**Vertical Wireway Cover**



reversible wireway cover
for power & data cable
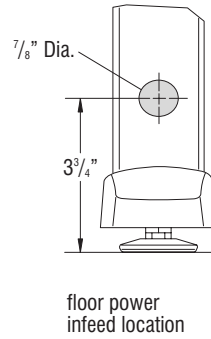entry (included on all C-legs)

**Non-User Side of C-Leg**

**Vertical Hardwire Cover**

• Attaches to the leg and provides for hadwire conduit entry.

$^7/_8$" Dia.

$3^3/_4$"

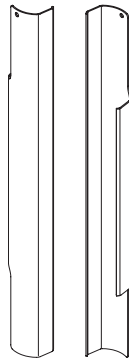floor power
infeed location

**Vertical Hardwire Cover**          **Non-User Side of Leg**

**Vertical Wireway Cover (Optional Accessory)**

• Attaches to the leg and provides greater turn radius for infeed conduit entry.

• Available for 29" high legs only.

**Vertical Wireway Cover**
**(Optional Accessory)**

**Corner**
**Worksurface**
**Support Legs**

**Corner Worksurface Support Legs**

One corner worksurface support leg is required for each corner worksurface.

• Available with $1^1/_4$" vertical glide adjustment in two sit-down heights; 27" and 29".

• Corner support legs do not have wire management capabilities.

**Corner Worksurface Support Leg:**
• Height - 27", 29"

**Freestanding Frames with Casters**

### Freestanding Frames with Casters

Mobile table option that cannot be electrically connected together and only comes in 30" deep worksurfaces.

- Available in two heights; 29" and 38". The 29" high unit is available for use with rectangular worksurfaces that are only 30" deep by 24" to 54" wide. The 38" high unit is available for use with 30" deep by 42" to 54" wide rectangular worksurfaces.

- Units must be specified to match the worksurface width.

- Worksurfaces must be specified separately.

- Freestanding frames with casters are only available as stand-alone units and cannot be joined with other worksurfaces.

- Freestanding frames with casters include a non-powered stand-alone beam with right and left end caps, two "C" legs and four $2^3/_4$" diameter dual-wheel locking carpet casters.

- Beams are non-powered with no electrical or data raceway covers. An optional six-outlet electrical strip is available to lay in the beam.

- Freestanding frames with casters are not UL listed.
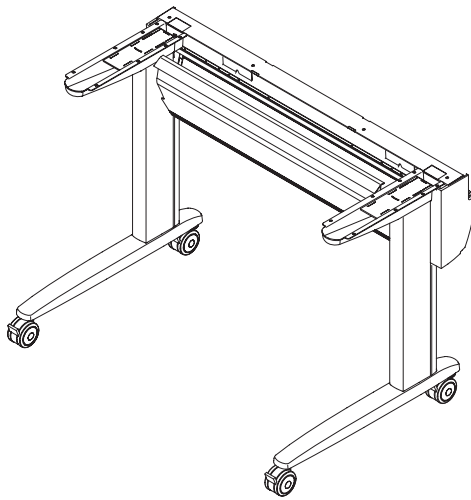
**29" Freestanding Frames With Casters - With Data Cover (DC)**
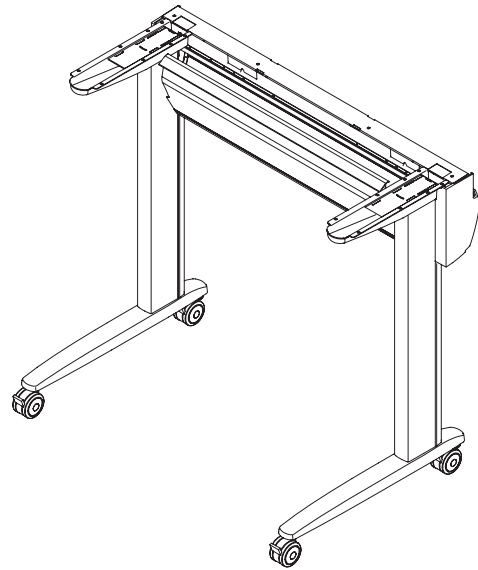
**38" Freestanding Frames With Casters - Without Data Cover (ND)**

**ELECTRICAL**

**Product Overview**

**10-Wire:** The pre-wired electrical utilizes the 810 10-wire system in 6-2-2 configuration UL 183 Listed: The 6-2-2 system provides 6-circuits (20 amps each); 3-convenience and 3-isolated ground circuits (sometimes referred to as a 3 + 3 configuration). The six circuits share two oversized neutral wires. The 6-2-2 system allows multiple workstations to feed from one power supply.

**PowerUp® and Villa™ Power Modules with 3-Prong Plug:** Provides convenient worksurface access to power and data. PowerUp is a surface mounted power module with a plastic cover. Villa power module is a surface module that mounts below a cutout in the worksurface.

**Hardwired:** All electrical hardwire shall follow NEC requirements and must be hardwired by a licensed electrician. The electrician is responsible for flexible conduit, wiring and fittings (specification commonly used for Chicago code).

**Activ8®:** A single circuit 15-amp stand-alone electrical system used for power distribution. Cannot be used with 10-Wire electrical components.

**10-WIRE ELECTRICAL**

**Product Overview**

Base or top infeeds supply power to the beams. The beams are specified with power where needed. 10-wire power (T6) includes a 10-wire rigid wireway with locations for duplex receptacles (see page 30 for quantity of receptacles per beam size). Power infeeds, jumpers and receptacles must be specified separately.

A beam contains one rigid wireway which is designed to accept a total of four duplex receptacles, two receptacles on the user side and two receptacles on the non-user side (with the exception of 24" wide wireways that only accept two duplex receptacles). Quad beams contain two rigid wireways which are each designed to accept a total of eight duplex receptacles, four receptacles on the user side and four receptacles on the non-user side.

- A duplex receptacle (ordered separately) has two "plug-in" openings which accept 120 volt three-prong grounded plugs (see space-planning guidelines for specifics per row type and configuration).

- Table-to-table electrical is accomplished by jumpers (ordered separately).

The system is energized by either a Base Infeed (liquid-tight covered flexible conduit) or a Top Infeed (metal flexible conduit housed in an extruded aluminum pole).

**Number of Workstations**

To determine a workstation's electrical needs, the draw of each powered device being used must be identified and accounted for.

A tag is attached to every UL listed electrical appliance which specifies how many amps that particular appliance will draw (ex: 1.5A = $1\frac{1}{2}$ amps). The total number of amps specified per circuit will determine how many appliances each infeed circuit can accommodate (recall: 6-2-2 has 6 circuits). One infeed supplies six, 20-amp circuits.

The National Electrical Code recommends to load a circuit with 80% of the 20-amp rating, or 16 amps. Layouts with heavy electrical needs can be specified with more than one power infeed.

**10-Wire Base Infeed:** Available to bring power from the floor to the electrical beam.

**10-Wire Top Infeed:** Available to bring power and communication cables from the ceiling to the worksurface beam.

**10-Wire Table-to-Table Jumper:** Used to transfer 10-wire power from table-to-table.

**10-Wire Table-to-Table T-Configuration Jumper:** Permits continuous power from table-to-table of T-configuration workstations with the use of one infeed.

**10-Wire Back-to-Back Jumper:** Permits continuous power from table-to-table of back-to-back workstations with the use of one infeed.
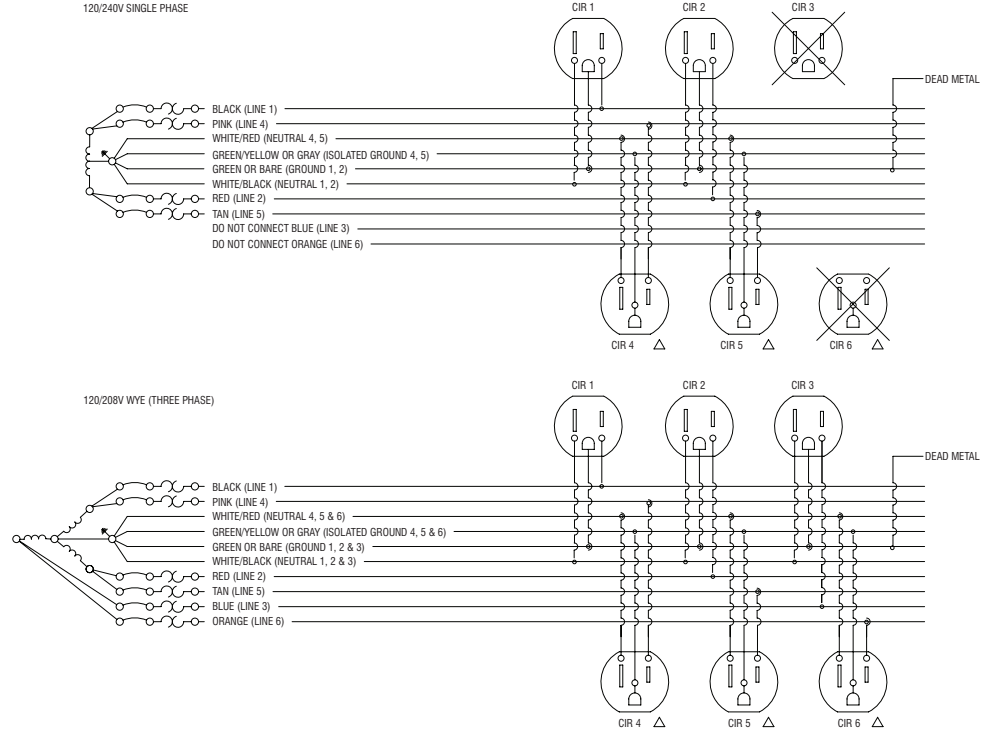
**10-Wire Receptacles:** Available for accessing the 6-circuits of the 10-wire electrical system.

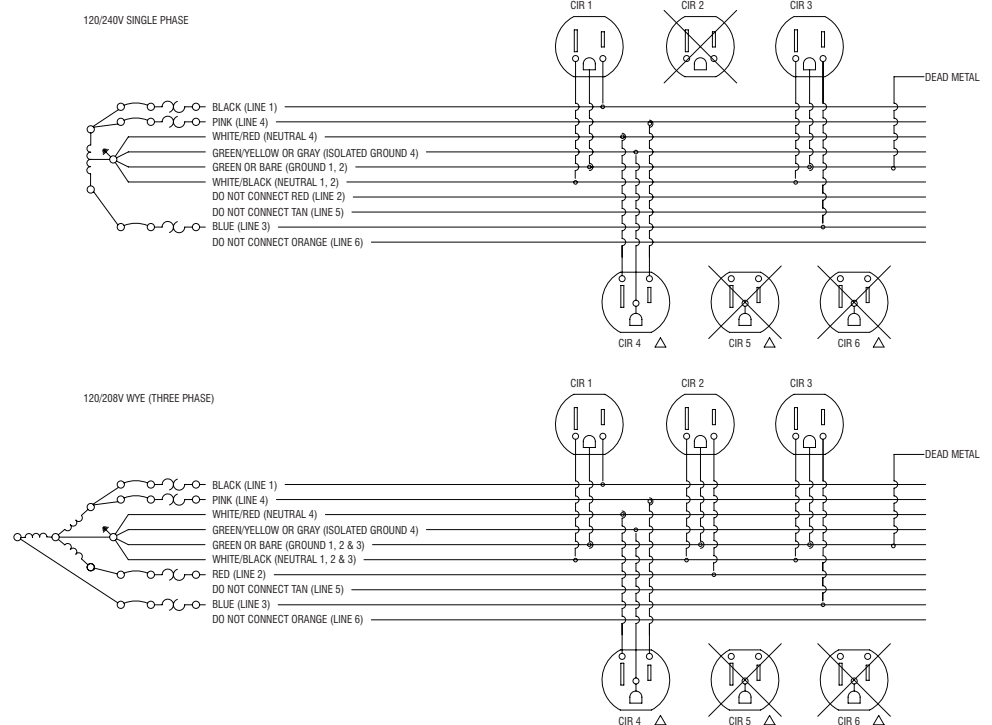**810-Universal Wire Connection Diagrams**

Have a certified electrician hard-wire the panel power infeed to the building power source according to the National Electrical Code and any other applicable local codes. See the chart for proper wiring connection to available power.

| 6-2-2 | | |
|---|---|---|
| Receptacles available | Wires to be used | Gauge of wire |
| Circuit 1 | Black<br>White/Black Letters<br>Green or Bare | 12<br>10<br>12 |
| Circuit 2 | Red<br>White/Black Letters<br>Green or Bare | 12<br>10<br>12 |
| Circuit 3 | Blue<br>White/Black Letters<br>Green or Bare | 12<br>10<br>12 |
| Circuit 4I | Pink<br>White/Red Letters<br>Green/Yellow Stripe | 12<br>10<br>12 |
| Circuit 5I | Tan<br>White/Red Letters<br>Green/Yellow Stripe | 12<br>10<br>12 |
| Circuit 6I | Orange<br>White/Red Letters<br>Green/Yellow Stripe | 12<br>10<br>12 |

## 6-2-2 Connection Diagrams

120/240V SINGLE PHASE

CIR 1    CIR 2    CIR 3

BLACK (LINE 1)
PINK (LINE 4)
WHITE/RED (NEUTRAL 4, 5)
GREEN/YELLOW OR GRAY (ISOLATED GROUND 4, 5)
GREEN OR BARE (GROUND 1, 2)
WHITE/BLACK (NEUTRAL 1, 2)
RED (LINE 2)
TAN (LINE 5)
DO NOT CONNECT BLUE (LINE 3)
DO NOT CONNECT ORANGE (LINE 6)

DEAD METAL

CIR 4    CIR 5    CIR 6

120/208V WYE (THREE PHASE)

CIR 1    CIR 2    CIR 3

BLACK (LINE 1)
PINK (LINE 4)
WHITE/RED (NEUTRAL 4, 5 & 6)
GREEN/YELLOW OR GRAY (ISOLATED GROUND 4, 5 & 6)
GREEN OR BARE (GROUND 1, 2 & 3)
WHITE/BLACK (NEUTRAL 1, 2 & 3)
RED (LINE 2)
TAN (LINE 5)
BLUE (LINE 3)
ORANGE (LINE 6)

DEAD METAL

CIR 4    CIR 5    CIR 6

## 6-2-2 Connection Diagrams To An 8-Wire Building

120/240V SINGLE PHASE

CIR 1    CIR 2    CIR 3

BLACK (LINE 1)
PINK (LINE 4)
WHITE/RED (NEUTRAL 4)
GREEN/YELLOW OR GRAY (ISOLATED GROUND 4)
GREEN OR BARE (GROUND 1, 2)
WHITE/BLACK (NEUTRAL 1, 2)
DO NOT CONNECT RED (LINE 2)
DO NOT CONNECT TAN (LINE 5)
BLUE (LINE 3)
DO NOT CONNECT ORANGE (LINE 6)

DEAD METAL

CIR 4    CIR 5    CIR 6

120/208V WYE (THREE PHASE)

CIR 1    CIR 2    CIR 3

BLACK (LINE 1)
PINK (LINE 4)
WHITE/RED (NEUTRAL 4)
GREEN/YELLOW OR GRAY (ISOLATED GROUND 4)
GREEN OR BARE (GROUND 1, 2 & 3)
WHITE/BLACK (NEUTRAL 1, 2 & 3)
RED (LINE 2)
DO NOT CONNECT TAN (LINE 5)
BLUE (LINE 3)
DO NOT CONNECT ORANGE (LINE 6)

DEAD METAL

CIR 4    CIR 5    CIR 6
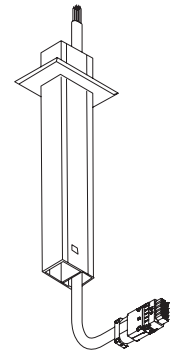
**10-Wire Electrical**

**Planning Guidelines**

**10-Wire Power Base Infeed:**

- Provides 10-wire power from fixed floor or wall sources, connecting to the tables power distribution system.

- The 10-wire infeed is pre-wired conduit with connector end for attachment to the 10-wire rigid wireway in the beam.

- A removable vertical wire manager attaches to the leg and provides for the conduit entry.

- It is not recommended to run power and data up the same leg.

- 105" infeed length.
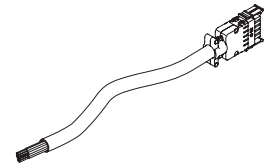
**10-Wire Top Infeed:**

- Available to bring power and communications cables from the ceiling to the worksurface beam.

- Provides power from ceiling source to table distribution system.

- Includes 10' long aluminum pole with separate channels for electrical and data entry and jumper.

- Includes pre-wired flexible steel conduit and connector end for attaching to the 10-wire rigid wireway in the beam.

- When specifying the top infeed, the worksurface must be specified to be used for the infeed location.

**10-Wire
Electrical (cont.)**

**10-Wire Table-to-Table Jumper:**

The 10-wire table-to-table jumper is used to transfer power from table-to-table.
Reference page 30 for 10-wire table-to-table jumper illustration.

• Connects the 10-wire power system of two adjoining tables.

• The 15" long jumper plugs into the ends of the rigid wireway to continue power
from beam-to-beam.

• One jumper must be specified for each table-to-table connection, except for the
corner worksurface.

• The right side of a corner worksurface has a 10-wire jumper that extends to the next
rigid wireway.
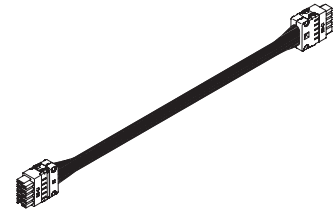
**10-Wire Back-to-Back Jumper:**

Provides continuous power from table-to-table for back-to-back configurations.
Reference page 30 for 10-wire back-to-back jumper illustration.

• For tables 30"-54" wide: Select size according to table width.

• For tables 60"-72" wide: Use 1-ITBBT6.30 on 60" and 66" wide tables. Use
1-ITBBT6.36 on 72" wide tables.
**Note:** 60", 66", and 72" wide tables require quad beams for both tables in the
back-to-back configuration.

• Ganger Kits must be specified for back-to-back configurations.
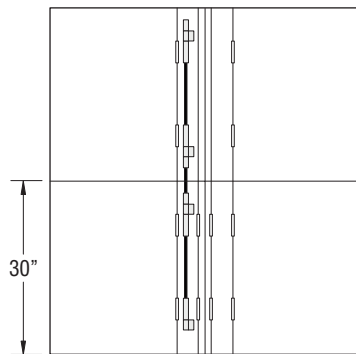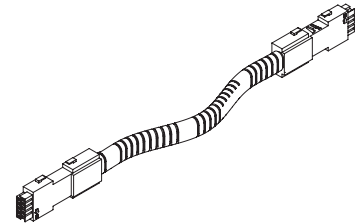
back-to-back configuration
shared power
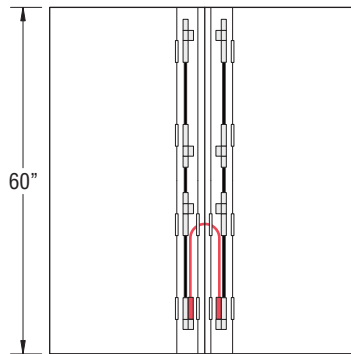
back-to-back configuration - both
powered. Worksurface
length is 60", 66" or 72",
must specify quad beams.
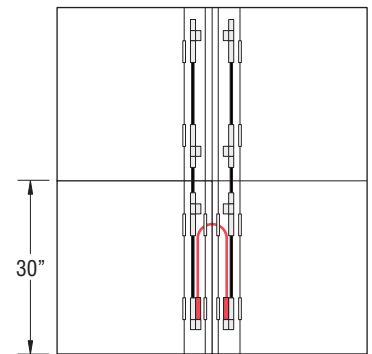
back-to-back configuration - both
powered. If worksurface
length is 60", 66" or 72",
must specify quad beams.

| Table Length | Back-to-Back Jumper needed |
|---|---|
| 30" | ITBBT6-30 |
| 36" | ITBBT6-36 |
| 42" | ITBBT6-42 |
| 48" | ITBBT6-48 |
| 54" | ITBBT6-54 |
| 60" | ITBBT6-30 |
| 66" | ITBBT6-30 |
| 72" | ITBBT6-36 |

**Note:** Quad beams required for
60", 66" & 72" wide tables.

**10-Wire Table-to-Table T-Configuration Jumper:**

The 10-wire T-configuration jumper is designed to accommodate tables in a T-shaped or L-shaped configuration. Reference page 30 for 10-wire table-to-table T-shaped illustration.

• Provides continuous power from table-to-table for T-shaped or L-shaped table configurations.

• Select size according to table depth.

• To achieve a T-configuration, you must order the correct styles and sizes of beams. The beam forming the T-configuration must be a 10-wire beam and must be 60", 66" or 72" wide.

• These beams have two or four receptacle locations that are used as a pass-through for the T-connector.

• The T-connector must be specified to match the depth of the side of the worksurface that is being overlapped. The same procedure can be done to form an L-configuration.

• When using a 60", 66" or 72" worksurface in a T-configuration, specify the quad beam option with four cutouts.





42", 48", 54" configuration
will not work due to location of
pass through hole



60"
L-shaped configuration
must specify a quad beam on the
perpendicular table (shown as 60")



60"
T-shaped configuration
must specify a quad beam on the
perpendicular table (shown as 60")
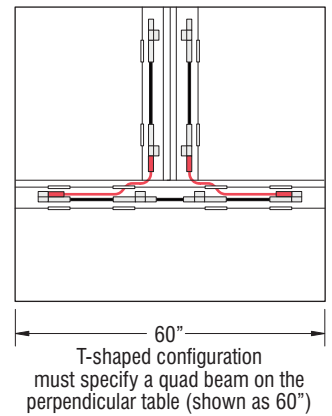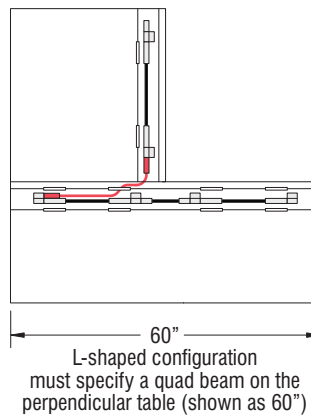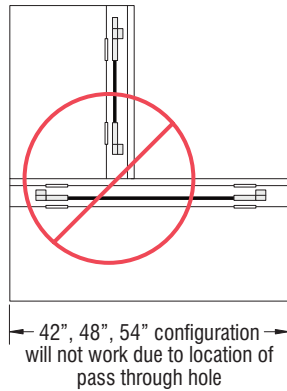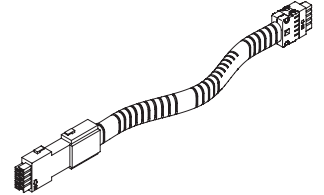
**8-Wire to 10-Wire Adaptor:**

• 20" long.

• Designed to connect existing 8-wire rigid wireway to current 10-wire rigid wireway.

• **Important:** Only circuits 1 through 4 on the 10-wire rigid wireways will be available (circuits 5 & 6 are not accessible).
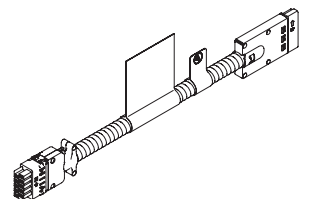
**10-Wire
Electrical (cont.)**

**10-Wire Receptacles**
Receptacles are available for accessing the 6-circuits of the
10-wire electrical system.

- Attaches to rigid wireways of 10-wire powered tables.

- Provides two (duplex) receptacles each rated at 15 amps.

- Some circuits are isolated ground circuits (622 - 4, 5,
  & 6), Isolated ground receptacles are indicated with a
  triangle.

### Beam Receptacle Options

| Beam Length | 10-Wire | |
| --- | --- | --- |
| | Duplex on front of beam | Duplex on back of beam |
| 24" | 1 | 1 |
| 30" | 2 | 2 |
| 36" | 2 | 2 |
| 42" | 2 | 2 |
| 48" | 2 | 2 |
| 54" | 2 | 2 |
| 60" | 2 | 2 |
| 66" | 2 | 2 |
| 72" | 2 | 2 |
| 60" (Quad) | 4 | 4 |
| 66" (Quad) | 4 | 4 |
| 72" (Quad) | 4 | 4 |



10-wire
table-to-table
jumper

10-wire
back-to-back
jumper

receptacle

quad
beam

10-wire
rigid wireway

10-wire
table-to-table
jumper

10-wire
table-to-table T-shaped
jumper

10-wire power
base infeed

top
infeed

New York infeed
beam assembly
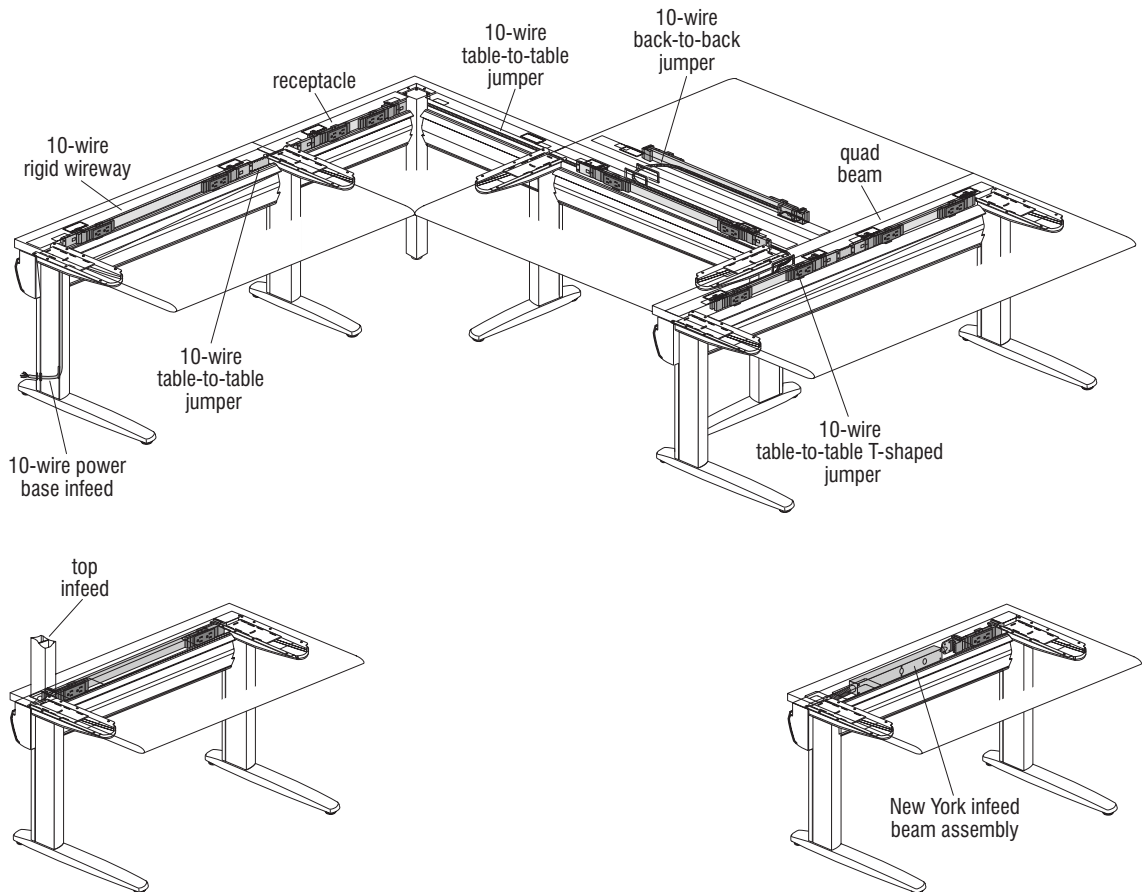
**HARDWIRED ELECTRICAL**

**Product Overview**

Base or top infeeds supply power to the hardwire beams. The beams are specified with power where needed. Hardwired beams include simplex receptacles. Hardwired infeed must be specified separately. Wires and connectors must be supplied by the installing electrician.

**Base Infeed Hardwired Kit:** Provides conduit from fixed floor or wall source to table power distribution. Electrician to provide wiring.

**Top Infeed Hardwired Kit:** Provides 10' aluminum pole with separate channel for electrical and data from ceiling power source to table.

**Planning Guidelines**

**Hardwired Base Infeed Kit:**

- Provides conduit from fixed floor or wall sources to table power distribution system. Customer to provide wiring.

- Infeeds are specified in sizes to match the heights of the corresponding C-legs.

- The hardwired base infeed provides conduit for the field installed wires.
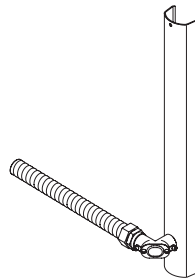
**Hardwired Top Infeed Kit:**

- Available to bring power and communications cables from the ceiling to the worksurface beam.

- Provides channel from ceiling source to table distribution system.

- Includes 10' long aluminum pole with separate channel for electrical and data entry. Customer to provide wiring.

- When specifying the top infeed, the worksurface must be specified to be used for the infeed location.
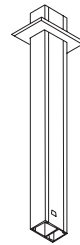




**Hardwired Receptacles**

- Hardwired beams include simplex receptacles.

- All electrical hardwire shall follow NEC requirements and must be hardwired by a licensed electrician.

- An optional hardwired kit for back-to-back access is available.
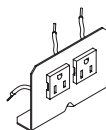


**Beam Receptacle Options**

| Beam Length | Hardwired<br>Simplex on<br>front of beam |
|---|---|
| 24" | 2 |
| 30" | 4 |
| 36" | 4 |
| 42" | 4 |
| 48" | 4 |
| 54" | 4 |
| 60" | 4 |
| 66" | 4 |
| 72" | 4 |
| 60" (Quad) | 8 |
| 66" (Quad) | 8 |
| 72" (Quad) | 8 |

**Power Modules with 3-Prong Plug**

**PowerUp® Modules with 3-Prong Plug:**

• PowerUp® modules with 3-prong plug are placed in standard worksurface grommets.

• Includes two simplex power receptacles and two openings for customer provided data jacks per module.

• The 90 degree 3-prong plug module is available with 22" or 108" long power cord.

• Module with 3-prong plug is not intended to be series connected (daisy chained) to each other, plugged into extension cords or power strips.
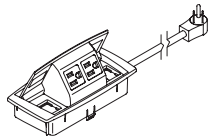
**Villa™ Power Module with 3-Prong Plug:**

• Villa™ Power modules with 3-prong plug are placed in standard worksurface grommets.

• Includes two simplex power receptacles and two USB charging ports at the top, along with one opening for a customer supplied data jack and an additional simplex receptacle at the underside.

• The 90 degree 3-prong plug module is available with 36" or 108" long power cord.

• Module with 3-prong plug is not intended to be series connected (daisy chained) to each other, plugged into extension cords or power strips.

• Available with optional metal grommet cover.
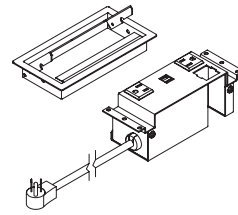
**Electrical Strip:**

• The electrical strip is an optional source of power for non-powered beams and the freestanding frames with casters.

• Surge protected, six outlets, 110 volt electrical strip with 6' long cord to lay in beam.
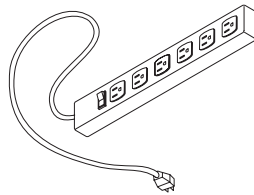
**ACTIV8®**

**Product Overview**

Activ8 is an optional 15 amp power distribution system when a non-powered beam is configured. Activ8 infeed supplies power to the beam by simply plugging the infeed into a wall or floor receptacle. No electrician is needed. Jumpers connect from module-to-module to carry power across multiple pieces of furniture. Infeed can connect anywhere in the run, it does not have to be at one end. All components are ordered separately. Activ8 is not sequenced, meaning other than the infeed, the furniture doesn't have to be configured in any specific order. Use of powered systems requires that the tables be mechanically joined together.

The total number of grounding type receptacles per circuit shall not exceed eight under any configuration. The two simplex receptacles on PowerUp and Villa shall be treated as a single receptacle. The two AC outlets on RPT for Activ8 shall be treated as a single receptacle. The total length of the system and all interconnecting cords (exclusive of the power infeed unit) is not to exceed 40 feet, or 12 meters.

**Activ8 Infeed:** Available to bring power from the floor to the non-powered beam.

**Activ8 Jumper:** Permits continuous power from module-to-module with the use of one infeed. Available in three lengths.

**PowerUp® and Villa™ Power Modules for Activ8:** Provides convenient worksurface access to power and data. Reference the "Power Modules for Activ8" section on page 34.

**RPT Module for Activ8 with RPT Bracket:** Provides convenient access to power underneath the worksurface. Reference the "Power Modules for Activ8" section on page 34.

**Planning Guidelines**

**Activ8® Infeed:**

- 108" cord plugs into standard 15 amp outlet.

- Control module is located 6" from module connection.

- Diagnostic LED indicator shows power status (see details below).

- Controller automatically limits number of connections to eight.

- 40 ft. maximum string, not including infeed cord.

- Will not work with GFI/GCFI outlets.

- Backup systems may affect Activ8 functions, including devices that have built-in ground fault sensing systems.
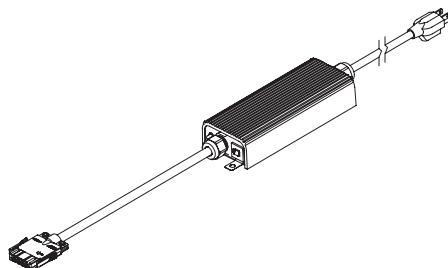
**Activ8® Jumper**

- Jumper lengths include 29", 53" and 77".

- Jumpers are all keyed alike.
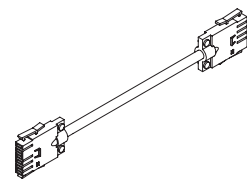
**Power Modules for Activ8®**

**PowerUp® Module for Activ8®:**

- PowerUp® modules for Activ8 are placed in standard worksurface grommets.

- Includes two simplex power receptacles and two openings for customer provided data jacks per module.

- The total number of grounding type receptacles per power infeed shall not exceed eight under any configuration. Two simplex receptacles shall be treated as a single receptacle on the PowerUp module for Activ8.

- The total length of the system and all interconnecting cords (exclusive of the power infeed unit) is not to exceed 40 feet, or 12 meters.
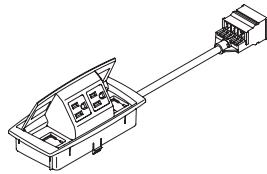
**Villa™ Power Module with Activ8:**

- Villa™ Power modules for Activ8 are placed in standard worksurface grommets.

- Includes two simplex power receptacles and two USB charging ports, along with one opening for a customer supplied data jack.

- The total number of grounding type receptacles per power infeed shall not exceed eight under any configuration. Two simplex receptacles shall be treated as a single receptacle on the Villa power module for Activ8.

- The total length of the system and all interconnecting cords (exclusive of the power infeed unit) is not to exceed 40 feet, or 12 meters.

- Available with optional metal grommet cover.
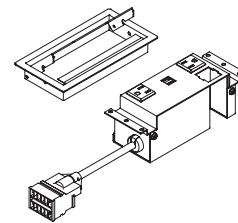
**RPT Module for Activ8 with RPT Bracket:**

- RPT modules for Activ8 are placed in RPT brackets which are mounted to the power beam.

- A RPT bracket is provided with every RPT Module.

- Includes two AC outlets.

- The total number of grounding type receptacles per power infeed shall not exceed eight under any configuration. Two AC outlets shall be treated as a single receptacle on the RPT module for Activ8.

- The total length of the system and all interconnecting cords (exclusive of the power infeed unit) is not to exceed 40 feet, or 12 meters.
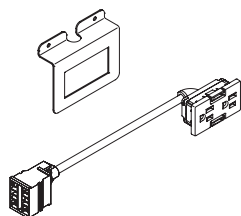
**Activ8® (cont.)**

**Planning Guidelines**

- PowerUp® and Villa™ power modules for Activ8 install into standard worksurface grommet locations.

- The total number of grounding type receptacles per circuit shall not exceed eight under any configuration. The two simplex receptacles on PowerUp and Villa, and the two AC outlets on RPT Modules with Activ8 shall be treated as a single receptacle.

- The total length of the system and all interconnecting cords (exclusive of the power infeed unit) is not to exceed 40 feet, or 12 meters.

- Reference the same illustrations for laying out the RPT power module (furniture power distribution unit) for Activ8 with attachment bracket under the worksurface. The bracket is field located per the customer's request and bracket location can deviate from guideline chart shown below.

**Components Needed:**
(1) Activ8 Power Infeed
(4) Power Modules for Activ8
(3) 29" Activ8 Jumpers

Activ8 power infeed     power module for Activ8
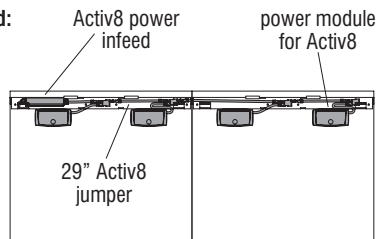
29" Activ8 jumper

**24"-42" Wide Worksurfaces with Two Grommet Cutouts (30" wide worsurface shown)**

**Components Needed:**
(1) Activ8 Power Infeed
(4) Power Modules for Activ8
(1) 29" Activ8 Jumper
(2) 53" Activ8 Jumpers

Activ8 power infeed     53" Activ8 jumper     29" Activ8 jumper     power module for Activ8
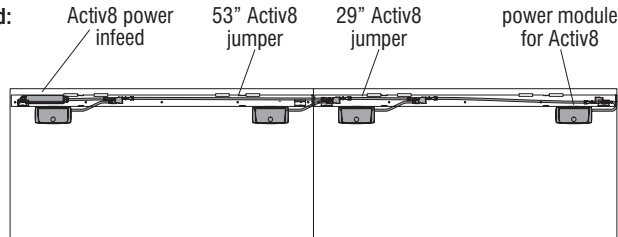
**48"-66" Wide Worksurfaces with Two Grommet Cutouts (60" wide worsurface shown)**

**Components Needed:**
(1) Activ8 Power Infeed
(8) Power Modules for Activ8
(7) 29" Activ8 Jumpers

Activ8 power infeed     29" Activ8 jumper     29" Activ8 jumper     power module for Activ8
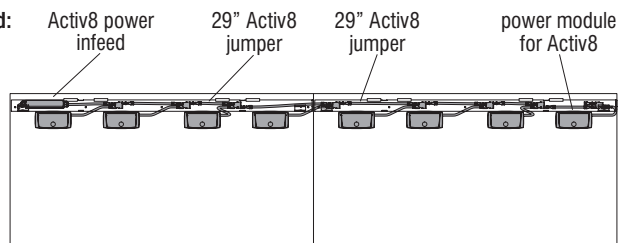
**60"-72" Wide Worksurfaces with Quad Beam and Four Grommet Cutouts (60" wide worsurface shown)**

**Components Needed:**
(1) Activ8 Power Infeed
(4) Power Modules for Activ8
(1) 29" Activ8 Jumper
(2) 77" Activ8 Jumpers

Activ8 power infeed     77" Activ8 jumper     29" Activ8 jumper     power module for Activ8
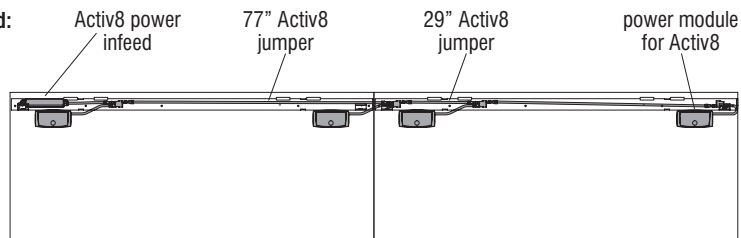
**72" Wide Worksurfaces with Two Grommet Cutouts (72" wide worsurface shown)**

- Table-to-table and back-to-back connections require 29" jumpers.

- Worksurfaces 24"-42" wide with two modules per unit require 29" jumpers.

- Worksurfaces 48"-66" wide with two modules per unit require 53" jumpers.

- Worksurfaces 72" wide with two modules per unit require 77" jumpers.

- Worksurfaces 60"-72" wide with quad beams and four modules per unit require 29" jumpers.

**PRIVACY &
DIVIDER
SCREENS**

**Product Overview**

The InTandem Table System offers varying degrees of seated privacy with divider and privacy screens. Screens and dividers have laminate surfaces with matching edge bands and tamper-resistant fasteners.

•     Two styles of screens/dividers are available:

     •     Rectangular - Units described as rectangular offer a flat top privacy screen and the dividers have a slight arch tipping down toward on the user side, as well an arch at the user side edge.

     •     Curved - Units described as curved have a symmetrical arch across the tops of the privacy screen and the divider screen has an arch at the user side as well.

**Privacy Screens:** Create seated privacy with screens that span the length of the worksurface.

**Stand-Alone Privacy Screens:** Used on stand-alone worksurfaces that span the length of the worksurface.

**Corner Privacy Screens:** Used on corner worksurfaces that span the length of the worksurface.

**Divider Screens:** Dividers separate workstations or create individual study carrels.
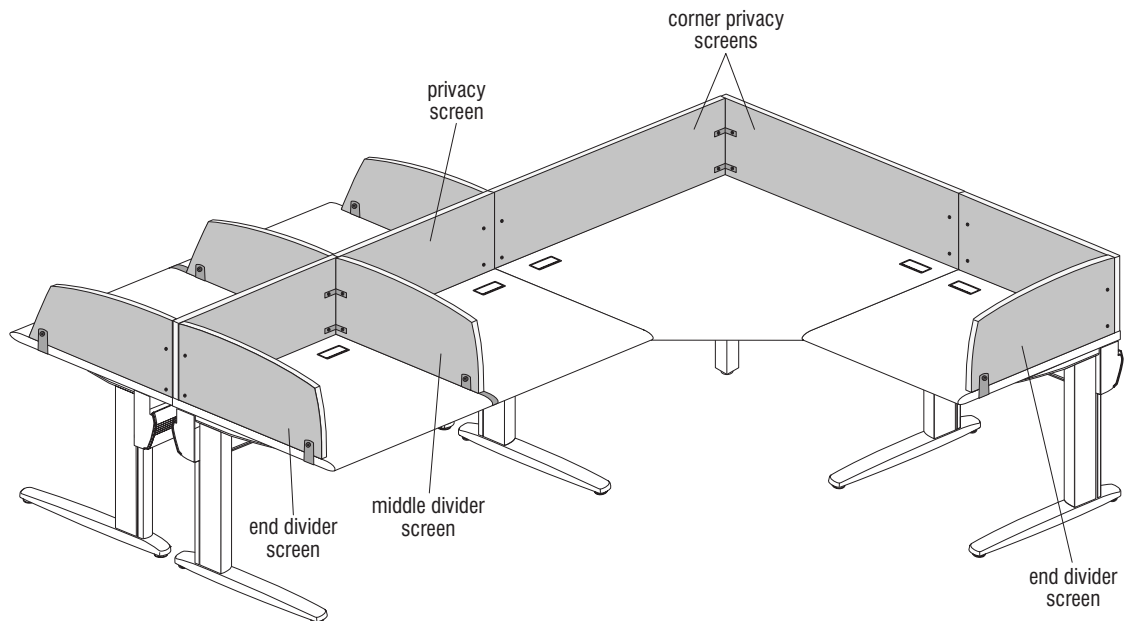


**Privacy/Divider Screen Diagram
(rectangular privacy/divider screens shown)**

**Rectangular Privacy Screens**

**Planning Guidelines**

**Rectangular Privacy Screens**

Rectangular worksurface privacy screens offer three levels of privacy; a low screen that is 11" high, a mid-height screen that is 17" high and a high screen that is 23" high. These three heights are not designed to be used together within the same workstation. Rectangular privacy screens are available in lengths to match the worksurface widths and are $^3/_4$" thick. Back-to-back configurations can utilize a single row of privacy screens with an adjustment to the front edge bracket of the divider screen. Specify screens based on worksurface width. Screens have laminate surfaces with matching edge band.

- Privacy screen brackets and hardware supplied in Graphite Dark only.
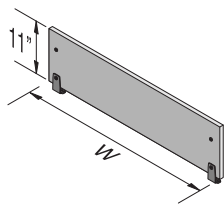


**Rectangular Privacy Screen - 11" Height**
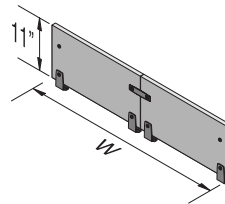


**Rectangular Privacy Screen (2 pcs) - 11" Height**
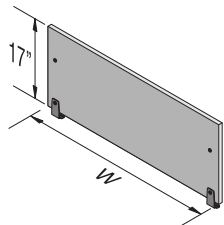


**Rectangular Privacy Screen - 17" Height**
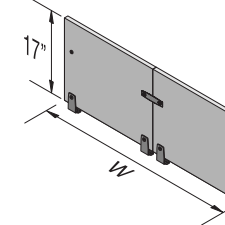


**Rectangular Privacy Screen (2 pcs) - 17" Height**
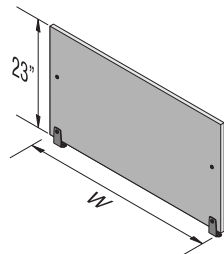


**Rectangular Privacy Screen - 23" Height**
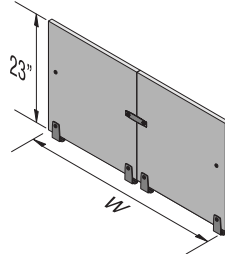


**Rectangular Privacy Screen (2 pcs) - 17" Height**

**Rectangular Privacy Screens:**
- Height - 11", 17", 23"
- Width - 24", 30", 36", 42", 48", 54"
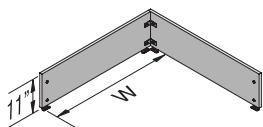
**Rectangular Privacy Screens (Two Pieces):**
- Height - 11", 17", 23"
- Width - 60", 66", 72"
- Rectangular screens 60", 66", 72" wide are made up of two screens.
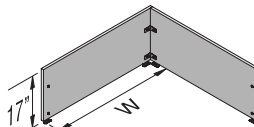
**Stand-Alone Rectangular Privacy Screens**

### Stand-Alone Rectangular Privacy Screens

Stand-alone rectangular screens are positioned along the back side of the table (length). No divider screens attached. Screens are available in lengths to match the worksurface widths and are $^3/_4$" thick.

- Screens have laminate surfaces with matching edge band.

- Privacy screen brackets and hardware supplied in Graphite Dark only.
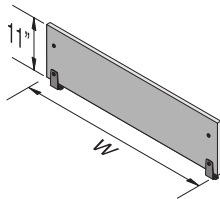
**Stand-Alone Rectangular Privacy Screen - 11" Height**
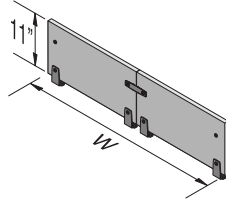
**Stand-Alone Rectangular Privacy Screen (2 pcs) - 11" Height**
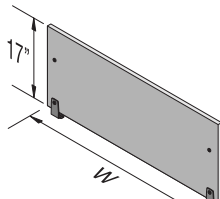
**Stand-Alone Rectangular Privacy Screen - 17" Height**
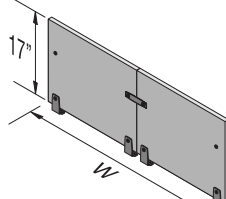
**Stand-Alone Rectangular Privacy Screen (2 pcs) - 17" Height**

**Stand-Alone Rectangular Privacy Screens:**
- Height - 11", 17"
- Width - 24", 30", 36", 42", 48", 54"

**Stand-Alone Rectangular Privacy Screens (Two Pieces):**
- Height - 11", 17"
- Width - 60", 66", 72"
- Rectangular screens 60", 66", 72" wide are made up of two screens.

**Corner Rectangular Privacy Screens**

### Corner Rectangular Privacy Screens

Corner rectangular privacy screens are a pair of screens that provide privacy to both sides of the square or transitional corner worksurface. Used when matching width of square or transitional corner worksurfaces. Corner rectangular privacy screens are available in three heights to match the regular privacy screens and are $^3/_4$" thick. One corner privacy screen will be $^3/_4$" shorter than the other in order to butt up perpendicular to the longer screen at the corner. Screens have laminate surfaces with matching edge band.
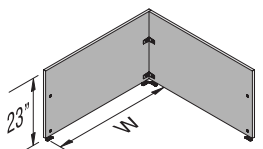
- Privacy screen brackets and hardware supplied in Graphite Dark only.

**Corner Rectangular Privacy Screens - 11" Height**

**Corner Rectangular Privacy Screens - 17" Height**

**Corner Rectangular Privacy Screens:**
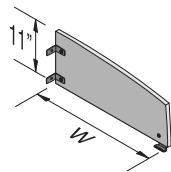- Height - 11", 17"
- Width - 24", 30", 36", 42"
- Used with matching width of square or transitional corner worksurfaces.

**Corner Rectangular Privacy Screens - 23" Height**

**End Rectangular Divider Screens**

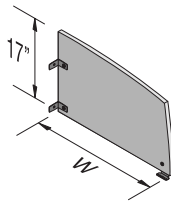**End Rectangular Divider Screens**

End rectangular divider screens are used for privacy on the end of a worksurface or at the end-of-run of worksurfaces which are side-to-side. Screens are $^3/_4$" thick. Screens have laminate surfaces with matching edge band. Must be used in conjunction with rectangular privacy screen of the same height.
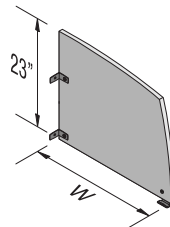
• Mounted to brackets which bolt to beam.

• Divider screen brackets and hardware supplied in Graphite Dark only.



**End Rectangular Divider Screens - 11" Height**

**End Rectangular Divider Screens - 17" Height**

**End Rectangular Divider Screens - 23" Height**

**End Rectangular Divider Screens:**
• Height - 11", 17", 23"
• Width - 24", 30"

**Middle Rectangular Divider Screens**

**Middle Rectangular Divider Screens**

Middle rectangular divider screens are used to divide a wide worksurface into two work areas or to separate worksurfaces side-to-side. Screens are $^3/_4$" thick. Screens have laminate surfaces with matching edge band. Must be used in conjunction with rectangular privacy screen of the same height.

• Divider screen brackets and hardware supplied in Graphite Dark only.

• Must be used in conjunction with privacy screens.

• M74P for use with 74P edge worksurfaces. MME for use with urethane edge worksurfaces (shown). MPL for use with post-formed laminate edge worksurfaces.
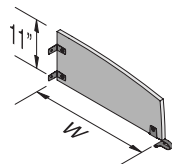


**Middle Rectangular Divider Screens - 11" Height**
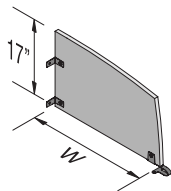
**Middle Rectangular Divider Screens - 17" Height**
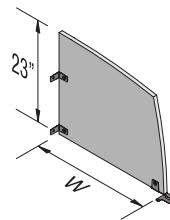
**Middle Rectangular Divider Screens - 23" Height**

**Middle Rectangular Divider Screens:**
• Height - 11", 17", 23"
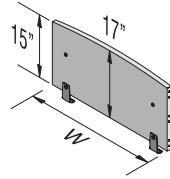• Width - 24", 30"

**Curved Privacy Screens**

**Curved Privacy Screens**

Curved privacy screens offer two levels of privacy. Curved top edges that are 9" high at ends are 11" high in middle, curved top edges that are 15" high at ends are 17" high in middle. These two heights are not designed to be used together within the same workstation. Curved privacy screens are available in lengths to match the worksurface widths and are $^3/_4$" thick.
Back-to-back configurations can utilize a single row of privacy screens with an adjustment to the front edge bracket of the divider screen. Specify screens based on worksurface width. Screens have laminate surfaces with matching edge band.

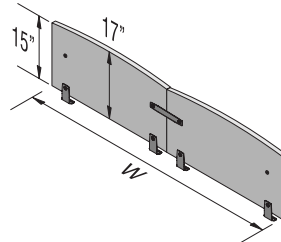• Mounted to brackets which bolt to beam.
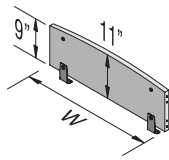
**Curved Privacy
Screen - 9" Height**

**Curved Privacy
Screen - 15" Height**
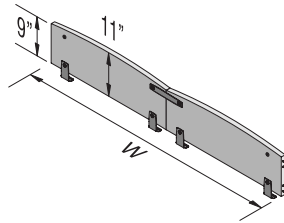
**Curved Privacy
Screen (2 pcs) - 9" Height**

**Curved Privacy
Screen (2 pcs) - 15" Height**

**Curved Privacy Screens:**
• Height - 9", 15"
• Width - 24", 30", 36", 42", 48", 54"

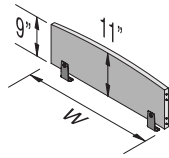**Curved Privacy Screens
(Two Pieces):**
• Height - 9", 15"
• Width - 60", 66", 72"
• Rectangular screens 60", 66", 72" wide are made up of two screens.

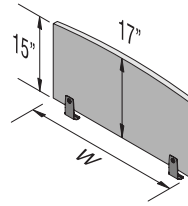**Stand-Alone Curved Privacy Screens**

### Stand-Alone Curved Privacy Screens

Stand-alone curved privacy screens are positioned along the back side of the table (length). No divider screens attached. Curved top edges that are 9" high at ends are 11" high in middle. Curved top edges that are 15" high at ends are 17" high in middle. Screens are available in lengths to match the worksurface widths and are $^3/_4$" thick. Stand-alone curved privacy screens are not available in 23" height due to stability concerns. Screens have laminate surfaces with matching edge band.
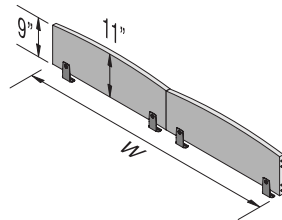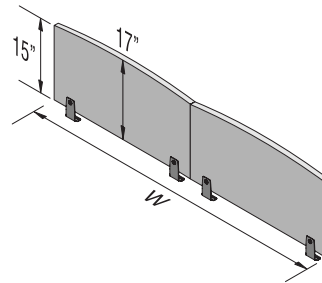
- Mounted to brackets which bolt to beam.

**Stand-Alone Curved
Privacy Screen - 9" Height**

**Stand-Alone Curved
Privacy Screen - 15" Height**

**Stand-Alone Curved Privacy
Screen (2 pcs) - 9" Height**

**Stand-Alone Curved Privacy
Screen (2 pcs) - 15" Height**

**Stand-Alone Curved
Privacy Screens:**
- Height - 9", 15"
- Width - 24", 30", 36", 42", 48", 54"

**Stand-Alone Curved
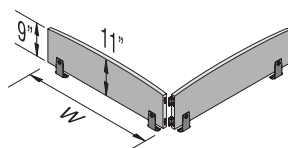Privacy Screens (Two
Pieces):**
- Height - 9", 15"
- Width - 60", 66", 72"
- Rectangular screens 60", 66", 72" wide are made up of two screens.
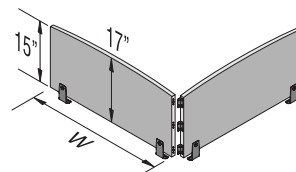
**Corner Curved Privacy Screens**

### Corner Curved Privacy Screens

Corner curved privacy screens are a pair of screens that provide privacy to both sides of the square or transitional corner worksurface. Used when matching width of square or transitional corner worksurfaces and are $^3/_4$" thick. Corner curved privacy screens are available in two heights to match the regular privacy screens. Curved top edges that are 9" high at ends are 11" high in middle. Curved top edges that are 15" high at ends are 17" high in middle. One corner privacy screen will be $^3/_4$" shorter than the other in order to butt up perpendicular to the longer screen at the corner. Screens have laminate surfaces with matching edge band.

- Mounted to brackets which bolt to beam.

**Corner Curved Privacy
Screens - 9" Height**

**Corner Curved Privacy
Screens - 15" Height**

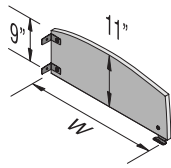**Corner Curved Privacy
Screens:**
- Height - 9", 15"
- Width - 24", 30", 36", 42"
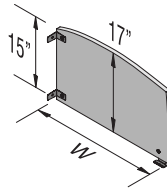
**End Divider Screens (cont.)**

**End Curved Divider Screens**

End curved divider screens are used for privacy on the end of a worksurface or at the end-of-run of worksurfaces which are side-to-side. Curved top edges that are 9" high at ends are 11" high in middle. Curved top edge that are 15" high at ends are 17" high in middle. Screens are ³/₄" thick. Screens have laminate surfaces with matching edge band. Must be used in conjunction with privacy screen of the same height.

• Mounted to bracket which bolts to underside of worksurface.

• Divider screen brackets and hardware supplied in Graphite Dark only.

**End Curved Divider Screens - 9" Height**
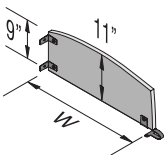
**End Curved Divider Screens - 15" Height**

**End Curved Divider Screens:**
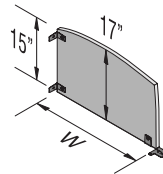• Height - 9", 15"
• Width - 24", 30"

**Middle Curved Divider Screens**

Middle curved divider screens are used to divide a wide worksurface into two work areas or to separate worksurfaces side-to-side. Curved top edges that are 9" high at ends are 11" high in middle. Curved top edges that are 15" high at ends are 17" high in middle. Screens are ³/₄" thick. Screens have laminate surfaces with matching edge band. Must be used in conjunction with privacy screen of the same height.

• Mounted to bracket which bolts to underside of worksurface.

• Must be used in conjunction with privacy screens.

**Middle Curved Divider Screens - 9" Height**

**Middle Curved Divider Screens - 15" Height**

**Middle Curved Divider Screens:**
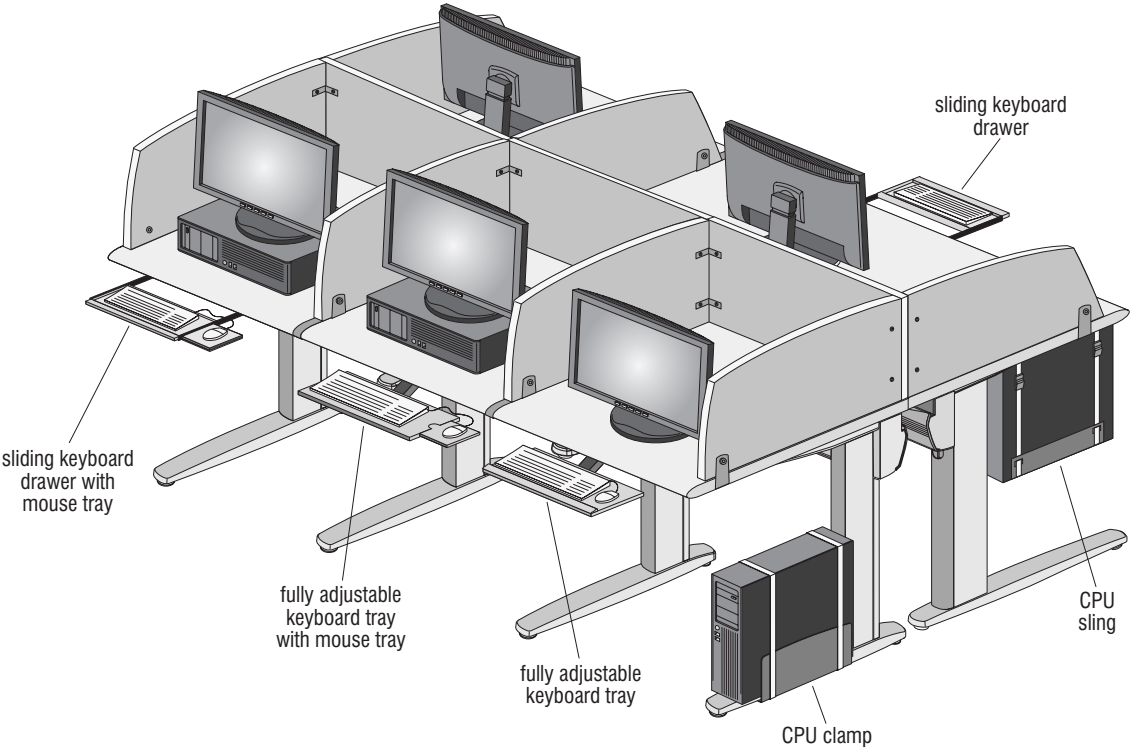• Height - 9", 15"
• Width - 24", 30"

**ACCESSORIES**

**Product Overview**

**Keyboard Trays:** Optional sliding keyboard tray with mouse pad offers convenience and comfort.

**CPU Clamp:** An optional adjustable CPU holder on top of the front foot of the leg. Available in two sizes, small and large.

**CPU Sling:** An optional adjustable CPU holder increases the amount of useable work area.

**Wheel Chair Accessible Kits:** For easy access by those in wheelchairs, the InTandem wheelchair kit converts selected surfaces to a 32" surface height without changing the height of the trough or leg.
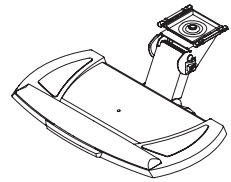
sliding keyboard
drawer

sliding keyboard
drawer with
mouse tray

fully adjustable
keyboard tray
with mouse tray

fully adjustable
keyboard tray

CPU
sling

CPU clamp

**Keyboards
Model
#KOMG.20**

**Keyboards - Model #KOMG.20**

• Snap in foam-gel wrist rest is easy to clean and wear resistant.

• 20" glide track requires 21" deep clearance under worksurface.

• Low profile arm design provides maximum leg room.

• Patented lift-and-lock spring-assisted counterbalancing system allows for precise height adjustment (up $2^1/_2$" and down $5^{13}/_{16}$") without use of knobs or levers.

• Fully adjustable $5^1/_2$" standard length neck accommodates straight desktops with limited space.

• 360° swivel allows user to move keyboard freely from side-to-side.

• Soft touch knob provides tilt control +/-15 degrees.

• Available in black only.

**Keyboard Tray for Rectangular Worksurfaces without Mouse Tray - Model #KOMG.20**

• Ergonomically shaped, low-profile ABS plastic keyboard tray features anti-skid grip strips.

**Keyboard Tray for Rectangular Worksurfaces with Mouse Tray - Model #KOMG.20.M**

• Sliding mouse surface has three forward index positions for optimal ergonomic posture.

• Slide-through mousing surface adjusts easily from side to side for left or right hand usage.

• Ergonomically shaped, stable, low profile ABS plastic keyboard tray features antiskid grip strips, built-in cable manager and fence.
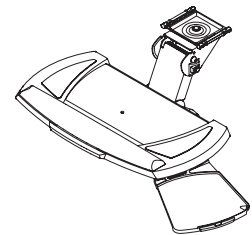
**Keyboard Tray for Rectangular Worksurfaces with Tilt Mouse Tray - Model #KOMG.20.PM**

• Ergonomically shaped, rigid phenolic tray is sturdier than steel, and offers anti-skid grip strips.

• Built-in mouse guard with cable management prevents mouse from slipping off tray.

• Adjustable and detachable swivel and tilt mouse tray attaches right or left.
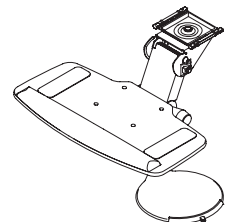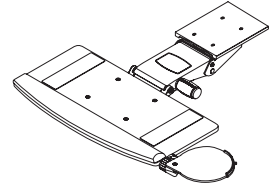
**Keyboards
Model #KTTA**

**Keyboards - Model #KTTA**

**Keyboard Tray with Trackless Arm - Model #KTTA**

- Trackless arm requires only $9^3/_8$" mounting space under worksurface.

- Articulating keyboard arm support.

- Mini HDPE tray with swivel mouse tray.

- Compliant with 5th Percentile Seated Height Range knee clearance outlined in ANSI/HFES 100-2007 Guidelines.

- Effortless height range adjustment from $-1^1/_4$" to $-6^{15}/_{16}$" below the mounting surface.

- Lift and lock height locking method.

- Direct mounting.

- Tilt angle of +10 to –15 degrees.

- Dial tilt soft-touch knob with tilt and height indicator.

- 360° swivel allows user to move keyboard freely from side-to-side.

- Available in black.

**Keyboards
Model
#KOMG.23**

**Keyboards - Model #KOMG.23**

• Snap in foam-gel wrist rest is easy to clean and wear resistant.

• 23" glide track requires 24" deep clearance under worksurface.

• Low profile arm design provides maximum leg room.

• Fully adjustable $7^1/_2$" extended length neck accommodates corner mounts.

• 360° swivel allows user to move keyboard freely from side-to-side.

• Soft touch knob provides tilt control +/-15 degrees.

• Available in black only

### Keyboard Tray for Corner Worksurfaces without Mouse Tray - Model #KOMG.23

• Ergonomically shaped, low-profile ABS plastic keyboard tray features anti-skid grip strips.

• Patented lift-and-lock spring-assisted counterbalancing system allows for precise height adjustment (up 3" and down $7^3/_4$") without use of knobs or levers.
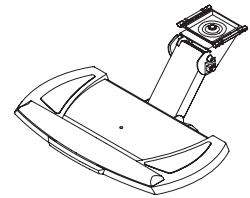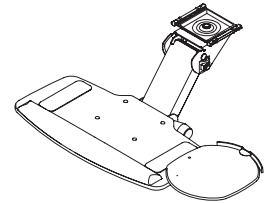
### Keyboard Tray for Corner Worksurfaces with Mouse Tray - Model #KOMG.23.M

• Sliding mouse surface has three forward index positions for optimal ergonomic posture.

• Slide-through mousing surface adjusts easily from side-to-side for left or right hand usage; mouse tray does not tilt.

• Ergonomically shaped, low-profile ABS plastic keyboard tray features anti-skid grip strips, built-in cable manager and fence.

• Patented lift-and-lock spring-assisted counterbalancing system allows for precise height adjustment (up 3" and down $7^3/_4$") without use of knobs or levers.
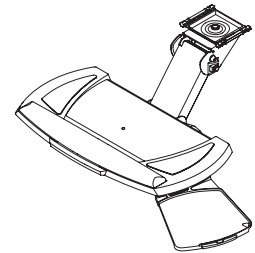
### Keyboard Tray for Corner Worksurfaces with Tilt and Swivel Mouse Tray - Model #KOMG.23.PM

• Ergonomically shaped, rigid phenolic tray is sturdier than steel, and offers anti-skid grip strips.

• Built-in mouse guard with cable management prevents mouse from slipping off tray.

• Adjustable and detachable swivel and tilt mouse tray attaches right or left.

• Patented lift-and-lock spring-assisted counterbalancing system allows for precise height adjustment (up 3" and down $7^3/_4$") without use of knobs or levers.

### Keyboard Tray for Corner Surface-Sit-to-Stand Tilt & Swivel Mouse Tray - Model #KOMSG.23.PM

• Ergonomically shaped, rigid phenolic tray is sturdier than steel, and offers anti-skid grip strips.

• Built-in mouse guard with cable management prevents mouse from slipping off tray.

• Adjustable and detachable swivel and tilt mouse tray attaches right or left.

• Sit-to stand spring-assisted counterbalancing system allows for precise height adjustment (up $8^1/_4$" and down 6") without use of knobs or levers.

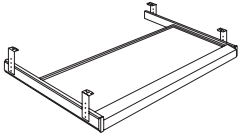• Available in graphite tray and black arm.
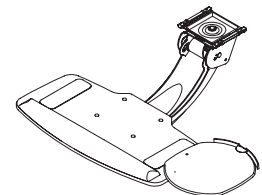
**Keyboards
Model #KBD**

**Sliding Keyboard Drawers - Model #KBD**

• 24" has 12" telescoping slides. 30" has 16" telescoping slides.

• Standard with molded palm rest.

• Cannot be used on 24" deep corner units.
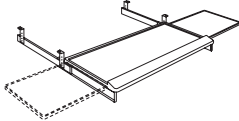
• Available in black only.

**Sliding Keyboard Drawer - Model #KBD.24.BL or #KBD.30.BL**

• Sliding drawer mounts under worksurface.

**Sliding Keyboard Drawer w/Mouse Tray - Model #KBDM.24.BL or #KBDM.30.BL**

• Sliding keyboard drawer with nonhanded sliding mousing surface.

**CPU Planning**

| | Compact CPU Holder | CPU Sling | CPU Holder (no lock) | CPU Holder (with lock) |
|---|---|---|---|---|
| **KI Model Number** | KOCPUE | CPU.SLING | KOCPUS | KOCPUL |

| | | | | |
|---|---|---|---|---|
| **Min. CPU Size (width)** | Vertical = 5.5"<br>Horizontal = 13.8" | | 3.5" | 3.5" |
| **Max.CPU Size (width)** | Vertical = 9.8"<br>Horizontal = 18.8" | 65" circumference | 9" | 9" |
| **Min. CPU Size (height)** | Vertical = 15.5"<br>Horizontal = 7.3" | | 13.5" | 13.5" |
| **Max. CPU Size (height)** | Vertical = 20"<br>Horizontal = 11.3" | 65" circumference | 22.5" | 22.5" |

| | | | | |
|---|---|---|---|---|
| **Max. Equip Weight** | 80 lbs. Vertical<br>30 lbs. Horizontal | 75 lbs. | 85 lbs. | 85 lbs. |

| | | | | |
|---|---|---|---|---|
| **Plate Mounting** | 5.38" x 3.98" | | | |
| **Track with Swivel Mounting** | | Track Length = 17$\frac{1}{2}$" | Track Length = 17"<br>Storage Travel = 12" | Track Length = 17"<br>Storage Travel = 12" |

| | | | | |
|---|---|---|---|---|
| **Cost Effective** | 1 | 2 | 3 | 4 |
| **Color** | Black | Black | Black | Black |

**CPU Holders**

**Compact CPU Holder - Model #KOCPUE**

- Vertically or horizontally supports and stores CPU below the worksurface.

- Holder in vertical position accommodates CPU's 5.5" to 9.8" wide and 15.5" to 20" high.

- Holder in horizontal position accommodates CPU's 13.8" to 18.8" wide and 7.3 to 11.3" high.

- Can hold up to 70-80 lbs in vertical position.

- Can hold up to 30 lbs in horizontal position.

- Available in black only.
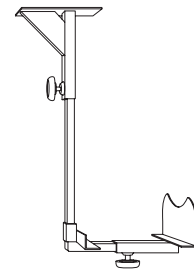
**CPU Sling - Model #CPU.SLING**

- Vertically supports and stores CPU below the worksurface.

- Straps have positive locking clamps.

- Recommended for use on 30" deep tables only.

- Provides 5.5" of travel and 359 degree swivel.

- Accommodates CPU with maximum circumference of 65".

- Maximum capacity is 75 lbs.

- Available in black only.
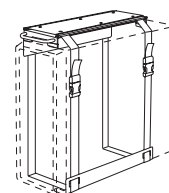
**CPU Holders (cont.)**

### CPU Holder, No Lock - Model #KOCPUS

- Check under surface clearances before ordering.

- Maximum CPU size is 9" wide by 22.5" high.

- Slide mechanism 17" forward slide.

- Vertical adjustment 13.5" to 22.5".

- Horizontal adjustment 3.5" to 9".

- Maximum capacity is 85 lbs.

- Available in black only.
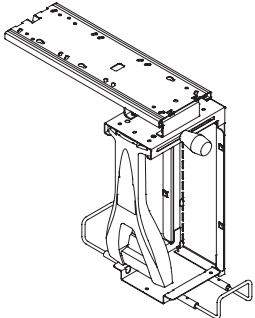
### CPU Holder with Lock - Model #KOCPUL

- Integrated lock within the handle.

- Check under surface clearances before ordering.

- Maximum CPU size is 9" wide by 22.5" high.

- Slide mechanism 17" forward slide.

- Vertical adjustment 13.5" to 22.5".

- Horizontal adjustment 3.5" to 9".

- Maximum capacity is 85 lbs.
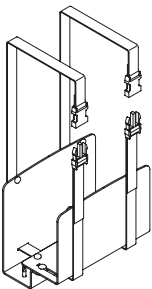
- Available in black only.
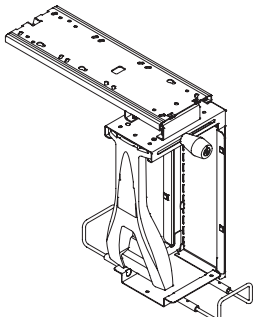
### CPU Clamp - Small - Model #INTCPUSM

- An optional adjustable CPU holder increases the amount of useable work area.

- Mounts directly over C-Leg.

- For 24" and 30" deep worksurfaces.

- Accommodates single or double CPU widths of 3.8" to 5.8".

### CPU Clamp - Large - Model #INTCPULG

- An optional adjustable CPU holder increases the amount of useable work area.

- Mounts directly over C-Leg.

- For 30" deep worksurfaces only.

- Accommodates single or double CPU widths of 5.5" to 9".
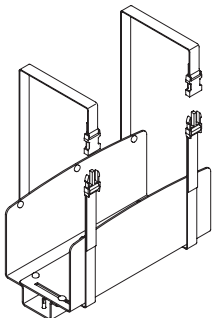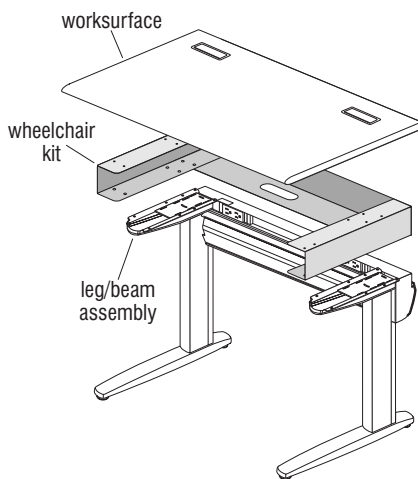
**Wheelchair Accessible Kit**

**Wheelchair Accessible Kits (Optional)**

Wheelchair accessible kits are designed for easy retrofit of existing InTandem stations with worksurfaces 42" to 72" wide and 30" deep.

•   Kits are available for 29" worksurfaces to raise the installed height to 32".

•   Specify table width and existing leg height.

•   Wheelchair kits for 42" wide tables can only be used when at least one of the legs of the ADA table are in the shared position (one leg shared with an adjoining table).

•   The wheelchair kit is installed between the worksurface and the beam/legs.

•   Privacy screens and dividers can be used with wheelchair kits, but cannot be attached to standard height adjacent surfaces.

•   All sizes of kits accommodate one wheelchair only (based on current ADA clearance guidelines).

•   Made with 11-gauge steel and available in Graphite Dark only.
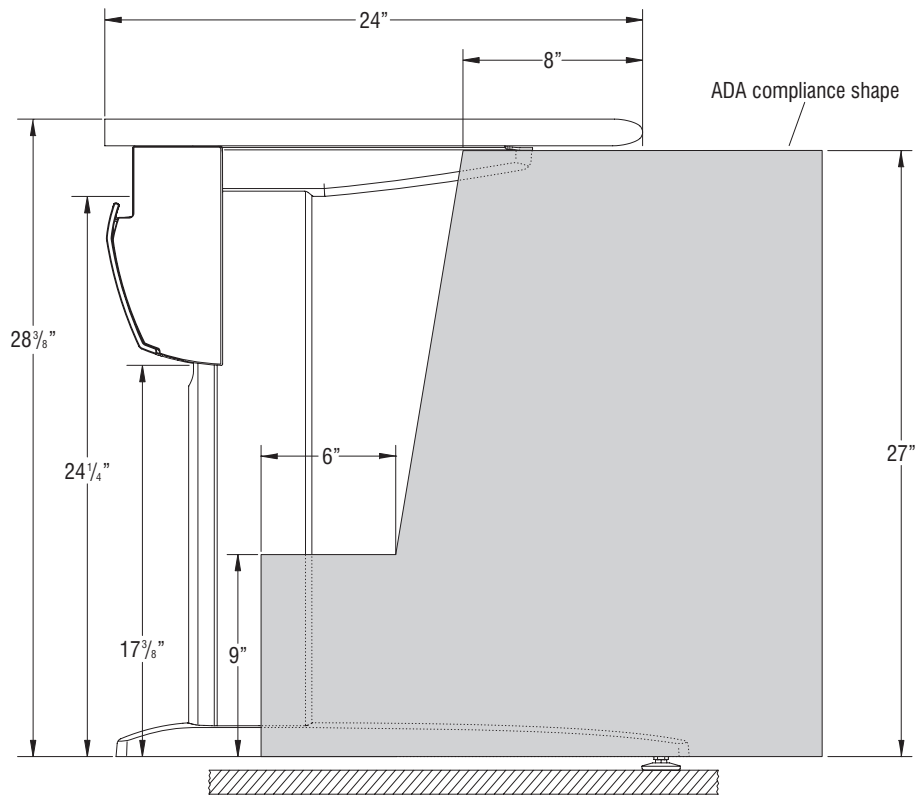
| Model No. | Inside Width of Wheelchair Kit | Max. Width of CPU |
|---|---|---|
| ITWK-4229 | $33^1/_2$" | CPU Cannot Be Located Under Table |
| ITWK-4829 | $39^1/_2$" | $6^1/_2$" |
| ITWK-5429 | $45^1/_2$" | $10^1/_2$" |
| ITWK-6029 | $51^1/_2$" | $10^1/_2$" |
| ITWK-6629 | $57^1/_2$" | $10^1/_2$" |
| ITWK-7229 | $63^1/_2$" | $10^1/_2$" |

Above dimensions based on one individual, stand-alone unit.
A shared leg must be used for model no. ITWK-4229 in order to be ADA compliant.

worksurface

wheelchair kit

leg/beam assembly

**ADA Compliance**

24"

8"

ADA compliance shape

28³⁄₈"

24¹⁄₄"

6"

27"

17³⁄₈"

9"

**29" Height InTandem with 24" Deep Worksurface**

**ADA Compliance Shape:** Minimum requirement for Knee and Toe Clearance per 2010 ADA, section 306.

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