

PRODUCT SPECIFICATIONS

Connection Zone® Collection

Benching, Desks & Tables

March 2023

TECHNICAL SPECIFICATIONS

Worksurfaces

Worksurfaces are constructed of 1 1/8" thick, 45-pound density particleboard core. Adhered on the top is a .030" face sheet of high-pressure laminate and on the bottom with a .030" phenolic backer. Total worksurface thickness is 1 1/4" thick. Edges are evenly adhered to the worksurface. All worksurfaces are pre-drilled for support brackets and support legs.

Worksurfaces are offered in rectangular and extended corner shapes to support multiple configurations. Worksurface overhang will vary by configuration and screen use. 74P and Knife edge styles are available and optional rectilinear shaped grommets may be specified for most worksurfaces. Knife edge use is restricted to the edge facing the occupant.

Frames

Steel Leg Frames

Frames are constructed of steel with a modular understructure consisting of end legs connected by a transverse telescoping center support beam. Longer runs can be achieved by adding intermediate legs and additional support beams as needed. Frame leg is a fixed height "goalpost" style with a cross section of 1 9/16" x 2 3/8". Glides offer 7/8" of height adjustment. Frames are offered in a variety of colors with a powder-coat finish.

29" Steel Leg - Standard Table Height

Frames are offered for single-sided and dual-sided applications. Single-sided frames are offered in 24" or 30" depths and support fixed worksurfaces of like depth. Dual-sided frames are offered in 48" or 60" depths and support either fixed or sliding worksurfaces in 24" and 30" depths.

42" Steel Leg - Cafe Height

Frames are offered for single-sided applications in 24" and 30" depths. Fixed worksurfaces on 24" frames are also available with 42" or 48" depth teaming tops.

Wood Leg Frames

Two hardwood end legs bolt to a steel apron which connects to a modular understructure, consisting of a modular transverse telescoping center support beam that connects to the next end wood leg frame apron. Longer dual-sided runs can be achieved by adding intermediate legs and additional support beams as needed. Frame leg is a fixed height 1 3/16" thick solid tapered hardwood upright. Glides offer 7/8" of height adjustment. Frames are offered in a variety of powder-coat finishes for the understructure, and various stains for the wood component.

29" Wood Leg

Frames are offered for dual-sided benching applications, desks, and conference tables. Dual-sided benching frames support pairs of either fixed or sliding worksurfaces in 24" and 30" depths. Desks feature single-beam frames that support a single top. Desks are offered in depths of 30", 36" and 42". Conference tables in 36" or 42" depths are supported by a single beam frame, and support a single top. Conference tables in 48" and 60" depths are supported by a dual-sided frame, and support a single top.

Modesty Panels

Modesty panels are offered on single-sided benching, wood leg desks and 42" teaming table configurations. Location and placement of modesty panels vary by model. Panels are constructed of 14-gauge (.075") x 10" tall perforated steel.



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Privacy and Divider Screens

Privacy screens and divider screens are constructed with an aluminum frame that provides superior strength and can be powdercoated in frame matching colors or accent colors. The standard top rail provides a single slot that allows users to mount a paper management tool or an optional tool rail version containing three slots that allow mounting of additional accessories. Core material options include acrylic, acrylic markerboard and tackable upholstered fabric.

Height options include 13" and 19" in all cores and an additional 31" tackable fabric version in limited widths. Single privacy screens matching the widths of the worksurfaces are available up to 78". Privacy screens in 60", 72" and 84" widths are also available in two equal segments to equally divide worksurfaces. Privacy screens in 90" and 96" widths are available in two or three equal segments. The intersections of privacy screens are designed to attach divider screens. Divider screens (13", 19" and 31" high) can be appropriately matched to the privacy screen height.

Privacy Screens (Non-Supporting)

Privacy screens are located flush with the bottom of the worksurfaces and run parallel with the support beam. For single-sided steel leg applications, mounting brackets for the privacy screens are attached directly to the bottom of the worksurfaces. For steel and wood leg dual-sided applications, mounting brackets are attached to the support frame legs. Privacy screens are not offered on wood leg desks or wood leg conference tables. Divider screens can be attached to the ends and intersections of privacy screens.

Supporting Privacy Screens

The second type of privacy screens are supporting privacy screens, which are designed to support elevated storage units and are only available on steel and wood leg dual-sided applications. Material insert options include acrylic, acrylic markerboard and upholstered tackable fabric. Only 19" high supporting privacy screens are available which also accept 19" high divider screens. Divider screens are attached to the vertical posts of the supporting privacy screen frame. Single frame supporting privacy screens are available from 36" through 72" widths in 6" increments. Double-frame supporting privacy screens are available in 60", 72", 84" and 96" widths. The bottom aluminum rail accepts attachment of the 810/6-2-2 or 810/4-4-2 rigid wireway.

Frameless Privacy Screens

The third type of privacy screens are frameless privacy screens, which are designed to span the frame spacing and are only available on steel and wood leg dual-sided applications. Material insert options include translucent or colored acrylic, and clear or satin etched temper safety glass. Frameless privacy screens are available from 36" through 96" widths in 6" increments by 13" or 19" heights. Divider screens are not offered as a standard option for frameless privacy screen applications.

Divider Screens

Divider screens rest on top of the worksurface and run perpendicular to privacy screens. Divider screens attach to the privacy screens on one end and are supported by worksurface attachment brackets on the other end. When specified without privacy screens, divider screens attach to the worksurfaces on both ends. Divider screens are offered in heights of 13", 19" and 31". Material insert options include acrylic, acrylic markerboard and upholstered tackable fabric. The 31" high divider screen is only offered with tackable fabric insert only. All divider screens can be specified for attachment to worksurfaces with 74P and Knife edge styles.

Center Steel Cubbies

Center steel cubbies are used on steel leg dual-sided supporting privacy screens. The center steel cubbies are available with or without sliding doors in 36", 42", 48", 54", 60" and 72" widths by 13½" depth. Cubbies are divided in the center with each half open to the opposite direction. Center steel cubbies with sliding doors include double bit locks with the keyed alike option available. The color of the powder-coated shell and door are separate options.

Laminate Cubbies

Laminate cubbies are used on steel leg dual-sided supporting privacy screens. Laminate cubbies are constructed of 5/8" particleboard core with low pressure laminate and self edges. The laminate cubbies are available in 36", 42", 48", 54", 60" and 72" widths by 15¾" depth. Laminate cubbies have a metal divider in the center with each half open to the opposite direction. The color of the shell, edge and metal partition are separate options.

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Laminate Shelves

Laminate shelves are used on steel leg dual-sided supporting privacy screens. The laminate shelves are constructed of $\frac{3}{4}$ " particleboard core with 73P edges. They are available in 36", 42", 48", 54", 60", 72", 84" and 96" widths by 15 $\frac{3}{4}$ " depth. Surface and edge color are separate options.

Electrical

810 10-Wire Electrical System

The US standard electrical system available on Connection Zone Benching is an 810 10-wire electrical system (20 amps per circuit). 10-wire rigid wireway harnesses are mounted to the underside of work surfaces on steel leg single-sided applications. On steel and wood leg dual-sided applications, the wireway is located between work surfaces and supported by a formed 14-gauge steel channel supported on each end by the frame supports. Power is supplied through a 6-2-2 configuration with six hot wires, two shared oversized neutral wires and two ground wires (one isolated ground and one building ground) or through a 4-4-2 configuration with four hot wires, four neutral and two ground wires (one isolated ground and one building ground). Rigid wireways pass power to 15-amp receptacles. The 810 10-wire electrical system is UL Listed per the UL 183 standard.

Base Power Infeed

The UL 183 electrical system permits power infeed in either of two locations. Power may be brought in at any intermediate leg location, or it may enter at the end of any run, directly into the end of the cable trough. Optional metal panels are available to shroud the infeed in the intermediate leg location (dual-sided applications only).

Top Power Infeed

Power and data may be brought into Connection Zone Benching through the use of a top power infeed. Top infeed assembly consists of a 10' extruded aluminum data and/or power pole, top cap and ceiling trim. The interior of the power pole features a septum for power and data cable separation.

Center Work Rail

The center rail-supported electrical is necessary for dual-sided applications when supporting privacy screens or frameless privacy screens are specified. The rigid wireways (which are identical to the 810/6-2-2 or 810/4-4-2 components) are attached to the bottom aluminum rail on site. Infeeds, jumpers and receptacles are specified the same as with the standard electrical.

10-Wire Table-to-Table Power Jumpers

18" power jumpers feature flexible metal conduit.

10-Wire Receptacles

15-amp receptacles for the modular electrical system feature injection molded components which snap fit into the rigid wireways.

Hardwired Electrical System

Receptacle enclosures are constructed of 18-gauge galvanized metal in accordance with the National Electrical Code. Widths are determined by table side height; height equals 2 $\frac{1}{2}$ ", width equals 2 $\frac{1}{2}$ ". Openings are for décor style receptacles and are located on one side for single-sided steel leg applications and on both sides for dual-sided applications. Grounding screw provided with each box.

Base power infeeds are $\frac{3}{4}$ " diameter liquid-tight enclosed conduit. Top power infeeds are provided by field electrician and are run down the 10' aluminum power/data pole.

Hardwired electrical components are intended for use in installations where hardwiring is required by local code (Chicago).

Hardwired Receptacles

15-amp receptacles for the modular electrical system feature injection molded components which snap fit into the rigid wireways.

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Electrical (cont.)

Pattern Electrical System

The Pattern electrical system is ETL Listed, evaluated to safety standard UL 962A (USA) and CAN/CSA-C22.2 No. 308 (Canada). It allows for a maximum up to ten distribution blocks and up to 50' of power jumpers from the power infeed (in either direction), whichever comes first. Pattern allows up to eighteen power modules depending on table width, and connects to one 15-amp power supply cord (power infeed). Pattern is a non-sequential system and the infeed is compatible with ground fault interrupter (GFI/GFCI) outlets. Power modules for Connection Zone are specified separately.

Pattern Power Distribution Blocks

Pattern power distributions blocks are standalone connectors, each containing four port locations. Distribution blocks are included with appropriate power jumper and power infeed kits, so do not need to be ordered separately. Distribution blocks bring the power infeed, power jumpers, and power modules together and allow power to be efficiently supplied to each table. Two distribution block types are included with the Pattern system, grey and white.

Pattern Table-to-Table Power Jumper Kits

Pattern table-to-table power jumper kits come with one grey distribution block and an appropriately sized power jumper. Jumpers are nonsequential and are keyed on each end to connect between distribution blocks. Table-to-table power jumper kits are ordered separately, according to layout configuration.

Pattern Power Infeed Kits

The Pattern power infeed kit must be ordered separately. Site configurations vary and will affect the number of power infeeds required. The number and size of tables, as well as the number of receptacles per table and amperage needs in each ganging configuration will determine the number of power infeed kits required at any given installation. Infeeds can be installed anywhere in the run.

Kit comes with one grey Pattern power distribution block, one 12" power jumper, one white Pattern power distribution block and Pattern power infeed cord. Power infeed consists of a 15-amp plug on one end of the 108" cord and a keyed connector at the opposite end of the cord. A connection quick-release tool is also included to assist with disconnecting connector ends from distribution blocks.

Cable Management

Dual-sided applications: The cable tray is secured with a variable support bracket onto the understructure of the beam rails. The cable tray is evenly shared between the worksurfaces and is accessible from the top when specified with sliding worksurfaces. The cable tray is accessible from the underside of the structure when specified with fixed worksurfaces.

Power Modules

Dean® In-Surface Power Module

Dean In-Surface power module consists of two simplex receptacle ports (rated at 15 amps/125 volts), one USB-A port and one USB-C port, 2 amps per port, and one data jack opening. The module can be modified to fit various brand jacks. Data tree ships with Dean in-surface power modules. Data connectors are not supplied with the module and are purchased by the customer. The Dean in-surface module is 8.12" long by 2.31" wide by 2.5" high and fits securely into a 8.03" x 1.94" cutout. Module is mechanically attached to the worksurface with screws from the underside. The module has a molded plastic faceplate with steel trim and an aluminum housing. Modules comes standard with either 9' or 15' cord with a 3-prong plug, or a 40" cord with a Pattern™ connector. Dean power module is rated at 15 amps/120 volts and is UL listed.

Dean Undersurface Power Module

Dean undersurface mounted power module consists of two simplex receptacles (rated at 15 amps/125 volts), one USB-A port and one USB-C port, 2 amps per port. The Dean undersurface power module is 5.50" long by 3.06" wide by 1.75" tall by 5.25" deep. The module has a smooth molded plastic faceplate with an anodized aluminum housing and secures under the worksurface with two 5/16 x 2" Phillips round-head screws. Modules come standard with either 3', 9' or 15' cord with a 3-prong plug, or a 40" cord with a Pattern connector. Dean undersurface power module is rated at 15 amps/120 volts and is UL listed.



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Power Modules (cont.)

Nacre® Pop-Up In-Surface Power Module

Nacre Pop-Up In-Surface power module consists of two simplex receptacle ports (rated at 15 amps/125 volts), one USB-A port and one USB-C port, 2 amps per port, and one data jack opening. The module can be modified to fit various brand jacks. Data tree ships with Nacre power modules. Data connectors are not supplied with the module and are purchased by the customer. Nacre is 7.25" long by 3.31" wide by 2.92" high and fits securely into a 6.94" x 3" cutout with .38" radius corners. The module is made of molded plastic and is a pop-up design with a dampened spring-loaded mechanism to allow the unit to smoothly open for use and close smoothly when not in use. Modules come standard with either 9' or 15' cord with a 3-prong plug, or a 40" cord with a Pattern connector. Nacre power module is rated at 15 amps/120 volts and is UL listed.

Snap-In RPT Power Module with RPT Bracket

Snap-In RPT module is only available for use with Pattern™ electrical system. Snap-in module consists of two simplex receptacle ports (rated at 15 amps/125 volts). Snap-in RPT fits securely in user facing cutouts in corresponding RPT bracket, mounted under the worksurface. Modules come standard with a 40" cord with pattern connector, rated at 15 amps/120 volts and is UL listed.

Grommets

Flip-Top Grommets for Dean & Nacre Power Modules

Flip-top grommets are surface-mounted covers, constructed of 18-gauge steel. Grommets have a flip-up receding door and are identical in cutout size to the Nacre or Dean in-surface power modules on the previous page, which allows retrofitting corresponding power modules at a later date. Grommets are finished with powder-coat paint available in all KI paint colors. The flip-up door is designed to allow cords to remain routed through the opening while it is closed and allows for more cord routing space when the flip-up door is open. Field installed.

Compliance

Connection Zone Benching is a UL Listed Office Furnishing per standard UL 1286 and Powered Furniture per standard UL 962.