

12640 - Desks

Furniture

Selection Description

Desks Teknion Desk System Performance Specifications

Multi-Level Workstations – Height Adjustable

Overview

- a. Height-adjustability, available on freestanding desk or multi-level workstation comprised of a secondary desk and run-off, should be composed of a lifting mechanism integrated in one or two Bevel bases. **Note #1**
 - b. The Bevel Base is composed of two metal skins 20 gauge, available in Foundation, Mica and Coordinate Color. **Note #2**
 - c. Worksurface shall be available in Solid or Glass Worksurface **Note #1**
 - d. Solid worksurfaces shall be available in 1" TFL-(Thermally Fused Laminate) and 1-3/16", 1-9/16" HPL (High Pressure Laminate) or Flintwood. (see Finishes section) **Notes #3 and #5**
 - e. When 1" (D) and 1-3/16" (M) thickness is specified, gables shall be 1" thick. **Note #5**
 - f. When 1-9/16" (X) thickness is specified, gables shall be 1-9/16" thick. **Note #5**
 - g. Solid Laminate worksurface edges shall be protected with 3 mm polyethylene Straight Trim and the laminate gable edges shall be protected with 1.5 mm Polyethylene plastic Straight Trim. **Note #5**
 - h. Glass Worksurface shall be offered in the thickness 3/8" (10 mm) Back-Painted tempered glass. **Note #6**
 - i. When the glass worksurface is specified, End Panel for Bevel Base shall be 1/4" (6 mm) Back-Painted tempered glass. A protective metal trim will match Back-Painted Glass finish. **Note #6**
 - j. The glass surface edges and corners are chamfered-flat polished and dubbed-corner. **Note #6**
 - k. Power Tray shall manage wires below the worksurface and a Mounting Bracket allow installation RLPP - Power Bar in fixed position. **Note #1**
- ~~l. All dimensions shall be nominal, widths are reduced by a 0.5% factor.~~
- ~~l. All dimensions shall be nominal, widths are reduced no more than 1" width on each side.~~
- ~~m. Levelers shall provide an adjustment range of 3".~~
- m. Levelers shall provide a minimum adjustment range of 1".

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Lifting System

- a. Height-adjustability range shall be sit to stand: **Notes #1 and #4**
Height-Adjustable Run-Off mounted on High Secondary Desk = 29-43" height
Height-Adjustable Run-Off mounted on Low Secondary Desk = 26-43" height
Height-Adjustable Freestanding Desk = 29-43" height
Weight Capacity **Notes #1 and #6**
Solid Top 1" (D) = 150 lbs.
Solid Top 1-3/16" (M) = 150 lbs.
Solid Top 1-9/16" (X) = 100 lbs.
Glass Top: 100 lbs.
The lifting column shall be DESKLINE system from Linak with low noise level. **Note #1**

Electric Control Box shall be plug & play and concealed in the Power Tray. It shall plug directly in the building wall outlet. The power cord shall be 120" length, allowing an excess cord of 92" to 107" (depending of the control box position and the length the worksurface) from the bottom of the Height-Adjustable Leg. **Note #1**

The adjustable desks shall feature hardware based anti-collision technology PIEZO™ from Linak. A sensor integrated in the lifting column reacts at any obstruction when raising or lowering the desk, then halts and reverses to avoid collision. **Note #1**

Control Box uses a maximum current of 4.25A.

Two under-worksurface switches can be specified:

1. Up/Down Function (Standard (S))
2. Programmable function with three memory settings and a display (D)
The Switch is 0.1 Watt resting power draw (low voltage)

Secondary Desks - Height-Adjustable Desks

- a. Secondary Desks for Height-Adjustable Run-Off shall always be installed against a building wall.
- b. Height-Adjustable Run-Off must be installed only in specified location (worksurface cut-out)
- c. The maximum unsupported span shall be 66" with Storage mounted and 78" without mounted storage. A Storage for secondary desk or the U-channel of Height-Adjustable Run-Off shall be considered as a support. **Note #5**
- ~~d. Low Secondary Desks shall be 17-1/4" high.~~
- d. Low Secondary Desks shall be 17-1/4" high, with a variance of +/- 2".

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- e. ~~High Secondary Desks shall be 26-3/4" high.~~
- e. High Secondary Desks shall be 26-3/4" high, with a variance of +/- 2".
- f. ~~Reinforcing bars shall be required and included for all Secondary Desks and shall be made of steel HRPO sheet 11ga (Hot Rolled Pickled & Oiled).~~
- f. Reinforcing bars shall be required and included for all Secondary Desks and shall be made of steel.
- g. ~~Secondary Desks shall include 4" h levelers.~~
- g. Secondary Desks shall include levelers with a minimum range of 1".
- h. Cable shall be managed through height-adjustable post leg or optional rectangular grommet.

Run-off - Height-Adjustable

- a. Height-Adjustable Run-off Worksurfaces shall be mounted above a Secondary Desk for Height-Adjustable Desk only.
- b. The Height-Adjustable Run-off shall come with one Height-Adjustable Bevel Base and one Height-Adjustable Leg. Note #1
- c. Reinforcing bars shall be included for 1" and 1-3/16" & 1-9/16" Height-Adjustable Run-off Worksurfaces. Note #5
- d. ~~The reinforcing bar shall be made of steel HRPO sheet 14ga (Hot Rolled Pickled & Oiled).~~
- d. The reinforcing bar shall be made of steel.
- e. A U-Channel with Levelers shall allow to fix the lifting mechanism to the Secondary Desk. Note #5
- f. A Metal cover shall hide the lifting mechanism and allow electricity management.
- g. The hardware, metal cover and bracket should be available in Foundation, Mica and Coordinate Color. Note #2
- h. A Storage for Secondary Desk (BSSO, BSSM or BSSHA) is mandatory to cover the U-Channel under the Secondary Desk Note #1

Teknion Desk System Performance Specifications (cont.)

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- i. Run-off can be installed in two position from rear end of Secondary Desk:
 - 1. Without wall panel: 1" recessed allows up/down movement without damaging the building wall.
 - 2. With Wall Panel: 3" recessed allows up/down movement without interference with the Accessory Rail.
- j. Rectangular Grommet shall be optimized for MAST Monitor Arm (YMST_) application.
Note #1
- k. Square Grommet shall be specified for the installation of worksurface mount electric solution, Power Cube. No grommet cover included. **Note #1**

Freestanding Desk – Height-adjustable

- a. The Freestanding desk shall come with two height-adjustable Bevel Bases. **Note #1**
- b. A modesty panel shall be mandatory and is available in laminate or glass. **Note #6**
- ~~c. A clearance of 3/8" between the worksurface and the modesty panel to route cables.~~
- c. A clearance of minimum 3/8" and maximum 1" between the worksurface and the modesty panel to route cables.
- d. The bevel base shall allow integrated cable management **Note #1**
- e. Reinforcing bars shall be included for 1" and 1-3/16" & 1-9/16" Height-Adjustable Freestanding Worksurfaces. **Note #5**
- ~~f. The reinforcing bar shall be made of steel HRPO sheet 14ga (Hot Rolled Pickled & Oiled).~~
- f. The reinforcing bar shall be made of steel.
- g. Rectangular Grommet shall be optimized for MAST Monitor Arm (YMST_) application. Square Grommet shall be specified for the installation of worksurface mount electric solution, Power Cube. No grommet cover included. **Note #1**

Optional Modesty Panel

- a. Laminate modesty panels shall be constructed of a 1" thick particle board LPL with two faces. It shall be protected with a 1.5 mm plastic Straight Trim. **Notes #1 and #5**

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Supports

~~a. Angled Legs shall be available in Foundation and Mica colors. It shall include a 4" h black leveler with an aluminum leveler cover same color of leg.~~

a. Angled Legs shall be available in Foundation and Mica colors. It shall include a minimum 1" h to maximum 4" h black leveler with an aluminum leveler cover same color of leg.

Not

Mounted Storage & Accessories

a. Depending on the storage type, hinged doors shall be available in 11/16" thick laminate and in back-painted, frosted or clear tempered glass (4mm) which shall be inserted in a 11/16" thick aluminum frame available in Foundation and Mica colors or Clear Anodized.

Note #2

Standard and Cubic Overhead Cabinets

a. Cubic Overhead case and doors shall also be offered in Flintwood construction. (see Finishes section).

Note #3

b. Standard and Cubic Overhead case shall also include a metal shelf made with a #18 gauge metal sheet bent to recreate 1" thick and fixed to case and divider with screws. Shelf shall be finished in Foundation, Mica and Coordinate colors (see Finishes section).

Note #4

c. Overhead hinged doors shall be handled with the fingertips.

d. All overhead are shipped assembled.

Freestanding Storage & Accessories

a. Case bottom shall be made of two #22 gauge steel struts. A flanged nut designed for metal storage shall provide structural integrity for levelers and casters.

Note #5

Power & Data Distribution

a. Under-worksurface Wire Management Clips shall easily manage wires underneath the worksurface.

b. No tools shall be necessary for installation.

c. The Cable Tray shall attach to the underside of a worksurface to manage excess wires.

d. Shall be 12" wide.

~~e. Shall accept Under-Worksurface Plug-In Power Bar with no tools required for installation.~~

e. Shall accept Under-Worksurface Plug-In Power Bar.

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f. ~~Shall come with an opening of 2.71"x1.38" to accommodate Voice/Data faceplates (not included).~~

f. Shall come with an opening sufficient to accommodate Voice/Data faceplates (not included).

g. Shall be finished in Black ABS.

Note #3

Standards

a. Shall comply with the following:

- ANSI/BIFMA (American National Standard for Office Furnishings/Business & Institutional Furniture Manufacturers Association):

- X5.5-2008, Desk/Table Products-Tests;
- X5.9-2012, Storage Units-Tests;
- e3-2014, Furniture Sustainability Standard, Level 2;

- ANSI A208.1-2009 - American National Standard for Particleboard (Grade M-2)

- NEMA LD3-2005: (National Electrical Manufacturers Association): Standard for high pressure plastic laminate;

~~----- CAN/CGSB 44.227-2008: Canadian General Standard Board, Free-standing Office Desk Products and Components;~~

~~----- CSA Z412-2000 - Guideline on Office Ergonomics~~

- BIFMA G1-2013: ERGONOMICS GUIDELINE FOR FURNITURE USED IN OFFICE WORK SPACES DESIGNED FOR COMPUTER USE

- Greenguard (Indoor Air Quality Program): UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

- ANSI/BIFMA X7.1-2011, American National Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture Systems and Seatings.

b. Our plants and our administrative offices are certified International Organization for Standardization:

- ISO 9001:2008: Quality Management System;

- ISO 14001:2004: Environmental Management System.

~~e. LEED (Leadership in Energy and Environmental Design): Teknion has strategically aligned both its product portfolio and information systems support to the LEED rating and certification program developed by the U.S. Green Building Council (USGBC).~~

c. LEED (Leadership in Energy and Environmental Design): LEED is to be a viable part of a manufacturer's capability.

d. Some products shall be available with optional FSC certified wood.

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Finishes Notes #2, #3 and #5

a. Laminate:

- 11/16" LPL: particle board 11/16", 42.5 lbs/ft. density, low pressure laminate on two faces. Shall be available in Source Laminate colors.
- 11/16" HPL: particle board 11/16", 42.5 lbs/ft. density, high pressure laminate .030" thick and corresponding backer.
- (D): 1" LPL: particle board 1", 42.5 lbs/ft. density, low pressure laminate on two faces. Shall be available in Source Laminate colors.
- (M): 1-3/16" HPL: particle board 1-1/8" thick, 42.5 lbs/ft. density, high pressure laminate .030" thick and corresponding backer for a total thickness of 1-3/16". Shall be available in Foundation Laminate colors.
- (X): 1-9/16" HPL: particle board 1-1/2" thick, 42.5 lbs/ft. density, high pressure laminate .030" thick and corresponding backer for a total of thickness of 1-9/16". Shall be available in Foundation Laminate wood print colors only.

b. Wood

- Teknion refers to "Flintwood" for wood finish in Expansion Casegoods.
- Flintwood surfaces should be constructed with .032" reconstituted wood veneer and backing sheet (BKL) applied to a particle board.
- An adhesive shall be used between layers over 100% of surface.
- 1-3/16" thickness shall be made with 1-1/8" thick particle board.
- 1" thickness shall be made with 1" thick particle board.
- 11/16" thickness shall be made with 5/8" thick particle board.

Metal:

- Teknion refers to "Foundation", "Mica" and "Accent" for metal finish.
- Coordinate colors are solid colors that can be used to match wood prints.
- Metal paint shall be hybrid powder (Epoxy and Polyester).

Edge Trim

- All exposed core material shall be covered with edge trim.
- Thickness and material shall vary depending of applications:

Worksurface

- Source and Foundation Laminate Worksurface with "Straight" Edge Trim shall be made of 3 mm thick PP (Polypropylene), applied on all worksurface with Foundation finishes.
- Flintwood Worksurface edge Trim shall be made of 2.8mm thick wood matching (2 layers) on user and visitor edges and 1.4 mm on other edges.

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Other components

- Edge trim with Source and Foundation Laminate finishes shall be made of 1.5 mm thick PP (Polypropylene)
- Edge Trim with Flintwood Worksurface shall be made of 1.4mm thick wood matching.

Grommets:

- Rectangular Worksurface Grommets shall be made of Polyoxymethylene (POM) and are available in Clear Anodized Coordinate (AC), Graphic Steel (L), Storm White (Q), Very White (V) and Platinum (7).
 - Elliptical Worksurface Grommets shall be made of Polypropylene (PP) and are available in Foundation, Mica and Source Laminate colors.
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The following notes are referenced above throughout this document. The notes are intended to be applicable to the entire attachment whether or not specifically addressed line-by-line.

Note 1: Quoted product should meet the intended functional needs of the VA. For example, if the specification states a rectangular grommet and your product line only carries a round grommet, please submit your product line's offering. The intended function is equal.

Note 2: Furniture finishes should be matched in quoted alternative as close as possible. The VA will determine if it is acceptable.

Note 3: If proprietary finishes are named, Quoters are to substitute with like material. For example, Flintwood is a reconstituted veneer, therefore Quoters are required to propose reconstituted veneer.

Note 4: Adjustable height desks/tables shall meet the minimum height adjustability as stated. Greater adjustability is acceptable.

Note 5: The intent of material description for thickness or structure is to ensure a level of quality and durability. Quoters are to match construction intent. For example, if the specification calls for edge band material with a thickness that your product line doesn't carry, please submit the material that your product line offers. The intent of the requirement is to protect the edge of the surface.

Note 6: If a feature mentioned in the Performance Specification is not directly related to a specific furniture item, it may be disregarded.