ARCONAS

bernù®
aero

DESIGNED BY DAVIDE TONIZZO

**Linear
Configuration**

**Six Seat Cluster
Configuration**

Bernù Aero's high-performance beam seating system provides superior comfort and long-term support for high-traffic waiting areas. This elegant seating series accentuates aerodynamic contours and has a design aesthetic fit for public spaces where contemporary style is appreciated. With flexibility for mixing and matching materials, integrated accessories and power options plus extensive layout configurations – ranging from linear to curved rows to cluster families – Bernù Aero is the most comprehensive public seating in its class.

**Inside & Outside
Curved Configuration**

**AC & USB
Power Option**

LINEAR CONFIGURATIONS

Two seat unit
shown with cantilever arms

Three seat unit

Four seat unit
shown with drink holder arms

Five seat unit

CURVED CONFIGURATIONS

Four seat inside curve with wedge table

Five seat outside curve
shown with loop arms

Six seat cluster with central triangular table

INJECTED POLYURETHANE

Bernù Poly delivers the high-performance of Bernù Aero combined with the practical touch of an integral polyurethane surface that's easy to maintain. With anti-microbial properties and durable construction, Bernù Poly is an ideal solution for waiting areas that demand comfort and convenience.

Polyurethane

Standard Colours

Midnight   Graphite   Royal Blue

Seats and backs are built with an internal steel frame providing deep-seated durability and long-term performance.

Poly Certifications
Bernù Poly passes CAL 133 and BS 5852 for flammability and ISO 22196 for antimicrobial properties.

UPHOLSTERED

Bernù Aero's contoured metal profile and plush padding provides notable comfort and durability for high-traffic waiting areas. Upholstered pads are seamless for maximum service life and can easily be replaced if damaged.

Upholstered pads

Can be covered in any type of fabric, vinyl or leather.

Bernù Aero's accentuated seats and backs are roll formed steel covered with injected moulded foam bonded to ABS forms. Pads are easily replaced on-site by removing four screws.

PERFORATED METAL

The perforated metal pans are laser cut and formed to match Bernù Aero's ergonomic profile. The steel is pretreated for corrosion resistance and powder coated in Arconas' standard colours.

Three-seat unit without arms in textured black.

WOOD

Walnut   Maple   Oak

Wood seats and backs are made from laminated hardwood plywood and are cut from a single moulded form ensuring grain continuity from one seat position to another. Standard wood grains are walnut, maple and oak. Optional upholstered pads are available.

MIX & MATCH

Combine any material to meet the demands of the space, decor or location. Alternative material combinations are available upon request.

Perforated metal backs / Upholstered seats

Perforated metal backs / Poly seats

Wood backs / Poly seats

ARMS

Arms are made from solid die-cast aluminum and are satin polished with bright accents.

Cantilever arm

Loop arm

Cantilever arm with drink holder

LEGS & CONNECTORS

standard

Bernù Aero legs come standard with adjustable glides that allow for precision leveling. Optional floor mounting and anti slide glides are available for hard floors.

Aluminum Glide

Anti slide

Floor Mounting

cantilever

Cantilever legs are floor mounted and are positioned inboard to eliminate obstacles.

Back-to-back connectors

Back-to-back connectors securely hold two units together and are available on all linear and curved configurations.

POWER & MEDIA

inPower™ Flex

inPower™ flex easily mounts below seats and tables and provides enough outlets to charge up to 4 devices at once. Each module is tested to UL certifications and has many built-in safety features. To learn more about this dynamic charging devise, visit inpowerflex.com.

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inPower™ flex sockets can be specified to meet country voltage requirements world-wide.

North American module   **Universal module**

Cable Management Device (CMD)

The CMD is designed to hide the slack from inPower™ flex cords and to prevent tampering. The device also provides one exit point for the power cord anywhere along the beam.

Compass Tower

- Multiple height options
- Built-in power outlets and USB ports
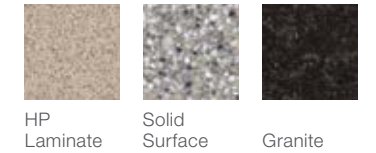- Optional TV brackets for media, FIDS, etc.

TABLES

Standard Table Materials

Multiple pattern & colour options available

HP Laminate   Solid Surface   Granite

9" wedge table is standard on the four seat inside curve unit.   21" table replaces a seat position.

PRIORITY SEATING

Priority seating is identified with internationally recognized symbols that indicates a seat is reserved for persons with reduced mobility, families, or women who are pregnant. Symbols are embroidered on backrests for design accuracy and long term durability.

Accessible Seating

For lateral transfers from a wheelchair, the outer arm is removed from a seat position at the end of the row.

Reduced Mobility Seating

A raised seat position assists people with reduced mobility to transition in and out of a chair with greater ease.

20"
513 mm

Custom symbols are available upon request.

ASSEMBLY & MAINTENANCE

Bernù Aero's minimal parts allows for quick installation and easy maintenance. Seats and backs are replaced one-for-one without having to disassemble the entire unit and upholstered pads are replaced by removing four screws. The open space between seatbacks minimize debris collection and the wide-set legs below the beam offers ample open space for cleaning.

CERTIFICATIONS

Bernù Aero complies with the following industry and environmental standards.

Durability
ANSI/BIFMA X5.4
Flammability (composite test)
CAL 117
CAL 133
BS 5852 (Europe)
Indoor Air Quality
ANSI/BIFMA X7.1-2011
Antimicrobial
ISO 22196

The Environment

Arconas delivers the world's most environmentally-friendly public seating. Our foam is CFC-free and all of our seating passes ANSI/BIFMA's stringent emissions standards, contributing to better indoor air quality.

Our seating systems can also help built environments achieve commercial Interiors LEED credits.

Finishes

Bernù Aero's frame is comprised of solid die-cast aluminum, ensuring high-quality precision parts and timeless durability.

1. Seat and back pans
Formed steel, contains up to 30% recycled material

2. Arms
Solid die-cast aluminum, contains up to 70%recycled material

3. Upholstery
Vinyl, Polyurethane, Faux Leather, Leather or C.O.M.

4. Beam and end caps
Extruded aluminum, contains up to 70% recycled material

5. Seat brackets / Legs / Glides
Solid die-cast aluminum, contains up to 70% recycled material

Accessories & Options

Tables: HP laminate with vinyl edge or solid surface.

Triangular cluster base: powder coated steel base with optional key-lock door for quick access to the internal structure.

Cantilever legs: powder coated steel.

inPower™ Flex: modules include sockets for North America, Universal, and country-specific plugs.

SPECIFICATIONS

Your Long-Term Satisfaction

As a commitment to our clients, it is our policy to never discontinue production on any of our public seating products. We guarantee a lifetime availability of parts and components for the Bernù Aero series.

single units

BA2S two seat unit
w 49" / d 28.5" / h 33" / sh 17"
124 cm / 73 cm / 84 cm / 43 cm

BA3S three seat unit
w 72" / d 28.5" / h 33" / sh 17"
183 cm / 73 cm / 84 cm / 43 cm

BA4S four seat unit
w 95" / d 28.5" / h 33" / sh 17"
241 cm / 73 cm / 84 cm / 43 cm

BA5S five seat unit
w 118" / d 28.5" / h 33" / sh 17"
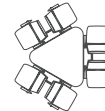300 cm / 73 cm / 84 cm / 43 cm

curved units

BA4SINS inside curve, four seat unit, includes wedge table
w 105" / d 32.5" / h 33" / sh 17"
267 cm / 83 cm / 84 cm / 43 cm

BA5SOUT outside curve, five seat unit
w 119.5" / d 33" / h 33" / sh 17"
304 cm / 84 cm / 84 cm / 43 cm

six seat cluster unit

BACLUSTER
w 104" / d 92" / h 33" / sh 17"
264 cm / 233 cm / 83 cm / 43 cm

back-to-back units

two to five seat units per side

back-to-back

inside and outside curved units

options

BERNCARM cantilever arm
w 2" / d 14.5"
5 cm / 37 cm

BERNARM loop arm
w 2" / d 14.5" / ah 12"
5 cm / 37 cm / 30 cm

BERNCARMDH drink holder
dia 3.5" / d 5" / ah 22.5"
8 cm / 12 cm / 57 cm

BERNTABLE 21" table
w 24.5" / d 19" / h 17"
62 cm / 48 cm / 43 cm

BERNBTOB back-to-back connector
(adds 6" width to two single rows)

Brochures, specifications, finishes, and CAD/ REVIT models are available for download from arconas.com/products.

CANADA'S BEST MANAGED COMPANIES   **GSA**

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OVERVIEW

Central beam mounted seating that offers:

An innovative aeronautical statement in design
Exceptional seating comfort
A durable structure in function

Ergonomically contoured to Dreyfuss Scale Ergonomic Standards for notable comfort and support for long waiting periods.

Bernù Aero offers single straight (2-5) or curved (concave 4 seat or convex 5 seat) units. They can be configured as back-to-back straight or curved units. The design is based on a modular approach that enables designers and end users to achieve a wide variety of configurations with a limited number of parts. The unit is supported by a central beam on which all the other elements are fixed using a unique "pin" system. The 21" table can replace any seat position for ultimate flexibility.

All castings are offered in satin aluminum finish with bright accents. All painted parts are in environmentally friendly electro-statically applied powder coating.

Bernù Aero has passed all required ANSI-BIFMA and VOC tests for Lounge Seating units.

CONSTRUCTION DETAILS

Supporting Beam
– The supporting beam is made from a robust 3" x 1 1/2" (76mm x 38mm) rectangular aluminum extrusion with 3/16" (4.8mm) thick walls. The extrusion design includes two internal webs to maintain the rectangular shape when forming the curved versions of the beams. The beams are heat treated to T5 temper for maximum strength.

Legs
– Legs are cast aluminum to the specification listed below, and fixed to the beam with a 3/4" (19mm) diameter steel pin. All legs have adjustable leveling glides. Optional anti-slide glides for hard floors and glides for floor mounting are also available.
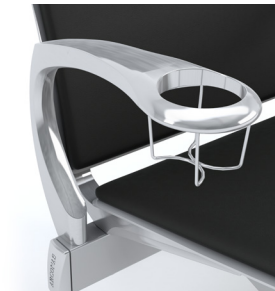
Seat and Back Supports
– **Bernù Aero** seats and backs are supported by cast aluminum brackets fixed to the beam by 3/4" (19 mm) diameter steel pins.
– The Bernù Aero seat and back pans are made from 11 gage (3 mm) cold rolled steel. They are laser cut and roll formed to the Bernù profile. Upholstered seat and back pads are constructed from urethane foam bonded to 1/4" (6 mm) plywood forms. All seats and backs follow the ergonomic curves of the equivalent Bernù metal seat and back parts.
– **The Bernù Aero Wood** seats and backs are made from laminated hardwood plywood. The seat and back are cut from a single molded plank. This ensures that the seat and back match in color and that the grain runs continuously from one piece to the other.
– **The Bernù Aero Perforated** seats and backs are made from 11 gage (3 mm) High Strength Low Alloy Steel. They are laser cut and roll formed to the Bernù profile. The steel seats and back are pretreated with yellow zinc chromate for corrosion resistance and then powder coated to color as ordered.

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Upholstery
– Upholstered pads for the Bernù Aero seats and backs are made from ¼" (6 mm) plywood inserts matching the curved profile of the seat or back. Commercial foam sheets are bonded to the insert before the upholstery is installed using staples. Damaged upholstery pads can be changed out by one-for-one replacement of the pads. Alternatively, it is easy to remove a pad and re-upholster. A seat or back pad can be removed and replaced without disassembling the seat.
– Upholstered pads can be used with wood or steel seats and/or backs.

Arms
– The three arm designs (loop, cantilever and drink-holder) are of cast aluminum to the specifications listed below. They are fixed to the beam using 3/4" (19mm) diameter steel pins.
– The loop arm has a sculpted aerodynamic shape enclosing an open loop. All surfaces are satin polished with bright accents.
– The cantilever arm sweeps up from the beam to form a thin horizontal armrest. All surfaces are satin polished with bright accents.
– The drink-holder follows the same design language as the cantilever arm. The all-aluminum arm has an integrated drink-holder that extends further forward for comfort. All surfaces are satin polished with bright accents.

Tables
– Tables are of 3/4" (20 mm) particle board with plastic laminate or 3/4" (20 mm) plastic based solid surface. Tables are 21" wide at a height of 18" (460mm). Tables can replace a seat in any position.
– Similar 9" wide tables are also provided for the centre of 4 seat concave units.

Bernu Aero Luxe Chaise
– Compatible with any Bernù Aero beam mounted seating system
– Upholstered pads are seamless for maximum service life
– Modular system allows any seat or back pad to easily be replaced without disassembling the whole seat
– Available with or without arms and all legs have adjustable leveling glides
– Seats and backs are roll formed steel covered with injected molded foam
– Back is 44.5" (113 cm) high and length is 51.5" (13 cm).

Assembly
– Units are shipped knocked-down (KD) and accompanied by detailed assembly

Finish
– Aluminum Castings - satin with bright highlights
– Aluminum Extrusions - Clear anodized
– Steel Parts - Powder coating

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Aluminum Specifications

– All aluminum alloy castings exhibit the following minimum properties.

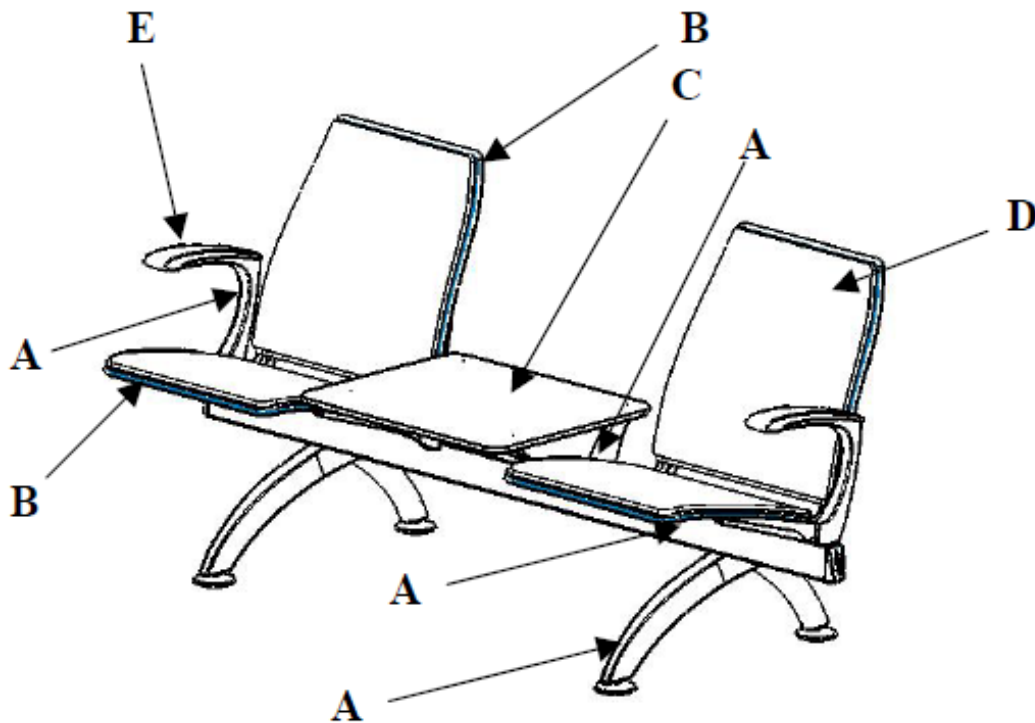|	
Tensile Strength	37,000 PSI
Yield Strength	26,000 PSI
Elongation	5.0%
Brinell Hardness	70 (500 kg load 10 mm ball)

Molded Foam Specifications

– The high resiliency urethane foam is reactively formed with an environmentally friendly water technology. It exhibits the following ratings:

I.L.D.	27/34 lbs
Density	3.5 lbs/cu.ft
Compression Set	5 at 80% max and 10 at 90% max
Tear Strength	0.75 PPI
Hysteresis Loss	22% max
Tensile Strength	10 PSI
Minimum Compression Modulus	2.2 lbs

PRODUCT CONFIGURATIONS

Depth of single units	28 3/8" (720 mm)
Depth of curved units	33" (840 mm)
Depth of back-to-back units	59 1/8" (1500 mm)
Height of units	33 1/16 (840 mm)
Height of seat	17 1/8" (435 mm)
Width of two seat units	48 34" (1240 mm)
Width of three seat units	71 3/4" (1820 mm)
Width of four seat units	94 3/4" (2410 mm)
Width of four curved seat units	105" (2680 mm)
Width of five seat units	117 3/4" (3000 mm)
Width of five curved seat units	119 1/4" (3030 mm)

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A - **Cast aluminum** parts have to be cleaned with non-abrasive cleaners. It is recommended to use Windex.

B - **Powder coated** parts have to be cleaned with non-abrasive cleaners. It is recommended to use Windex.

C - **Table tops** have to be cleaned with non-abrasive cleaners. Soapy water or ammonia-based cleaners will remove most dirt and stains.

D - **Fabric** - follow the manufacturer's cleaning instructions for the selected upholstery

E - **Arm Caps** - clean with non-abrasive cleaners. Soapy water of ammonia-based cleaners will remove most dirt and stains.

F - All screws on the seats and the underside of the beam should be checked on a bi-annual basis (every 6 months) and tightened if loose. Loose parts may be hazardous to the users.

G - In case of paint damage, take following steps for touch-up:
    1) Take 5 tablespoons of provided paint powder and put it into a smaller container
    2) Pour some lacquer thinner (from any hardware store) a drop at a time over the paint powder and mix thoroughly.
    3) Make sure paint mixture is at a good consistency, not too thick, not too thin
    4) Apply paint with an artist brush
    5) Let it dry 24 hours

HAVE A QUALITY CHECK AFTER YOU HAVE FINISHED.

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ESPRIT MAINTENANCE

Prompt cleaning is always recommended. Recommended cleaning steps are listed by type of stain. For best results follow cleaning steps in order.

Recommended Care and Cleaning Steps:
Step 1: Mild soap and water, then rinse with fresh water and wipe dry with a clean cloth.
Step 2: Wipe affected area with a soft cloth or soft bristle brush using a non-abrasive cleaner, for example Formula 409 or Fantastik. Rinse with fresh water and wipe dry.
Step 3: 10% solution of household bleach and water. Rinse with fresh water and wipe dry.
Step 4: 25% solution of alcohol and water. Rinse with fresh water and wipe dry.
Step 5: 25% solution of lighter fluid or nail polish remover and water. Rinse with fresh water and wipe dry.

Regular Cleaning and Maintenance Step 1
Dirt
Dust
Grime

Healthcare Steps 1, 2 & 3
Blood
Urine
Betadine
Disinfectant

Oils (Organic & Petroleum based) Steps 1 & 2
Food   Steps 1 & 2
Ketchup
Chocolate
Coffee
Tea
Juice

Difficult Stains Steps 1, 2, 3, 4 & 5
Eye shadow / Mascara
Lipstick
Crayon
Grease
Mustard
Ink
Permanent Marker
Paint

The information in this cleaning guide refers to performance of Resilience in specific tests conducted under laboratory conditions. This information is not a guarantee and does not relieve the user from the responsibility of the proper and safe use of the product and referenced cleaning agents.

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Bernù Aero

Cushion Replacement Instructions

US Design Patent - US D498077 S
Registered Design

Designer
Davide Tonizzo

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GENERAL

This process describes how to replace a cushion on existing Bernu Aero. The process can be performed by one person of normal strength.
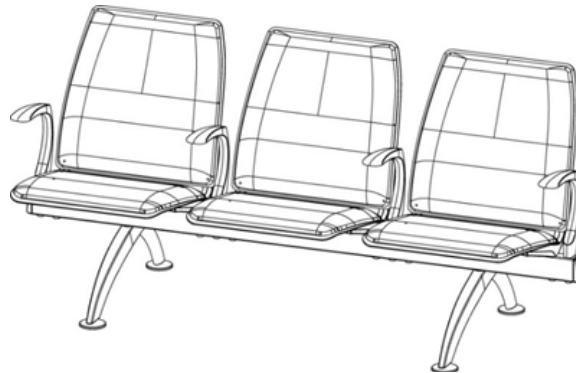
TOOLS REQUIRED

1. 5/32 Hex Key for ¼-20 JCB screw
2. #3 Robertson Drive (Black) for ¼-20 combination screw

PARTS

1. Bernu Aero CMD

ASSEMBLY
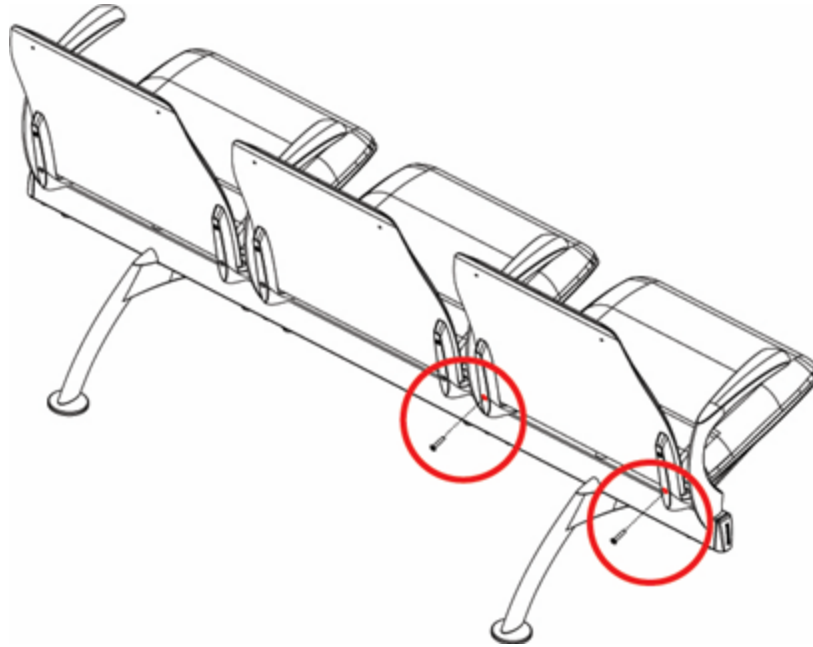

ISO View of Complete 3 Seat Bernù Aero
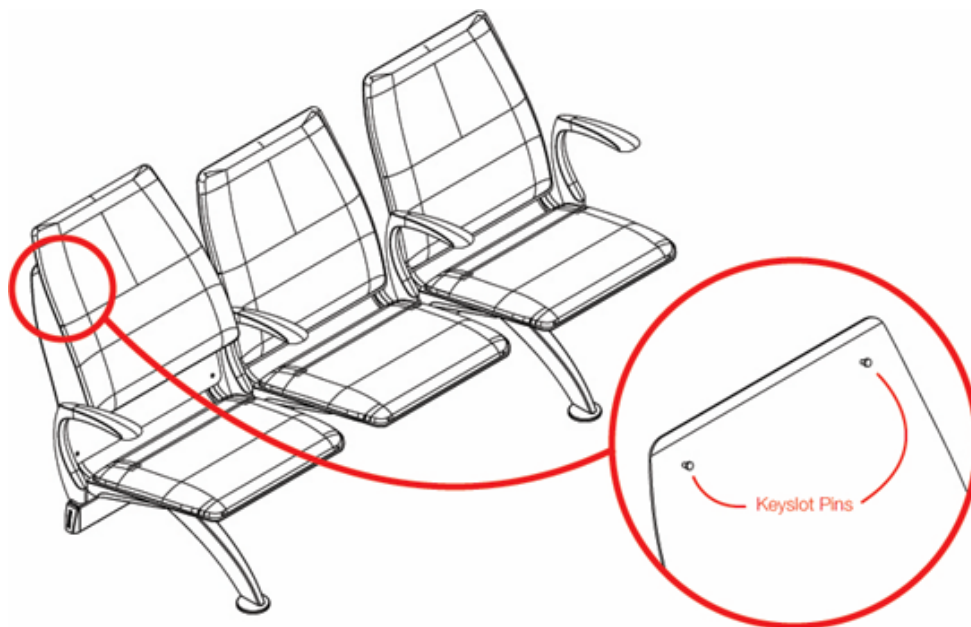

Side View of Complete 3 Seat Bernù Aero

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PROCESS

BACK CUSHION REPLACEMENT

1. To remove the back cushion, unscrew the bottom ¼-20 JCB on the seat bracket. Repeat process on the adjacent seat bracket.

2. Once the screws been removed, slightly pull the bottom of the pad away from the pan and lift up.
3. Install the new pad on the pan. Ensure the key slots (at the bottom of the pad) engage with the pins on the pan.
4. Use an awl to align the parts. Once aligned, fasten the pad using the provided screws in the package.

Keyslot Pins

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SEAT CUSHION REPLACEMENT

5. To remove the seat cushion, unscrew the rear ¼-20 JCB on the seat bracket. Repeat process on the adjacent seat bracket.
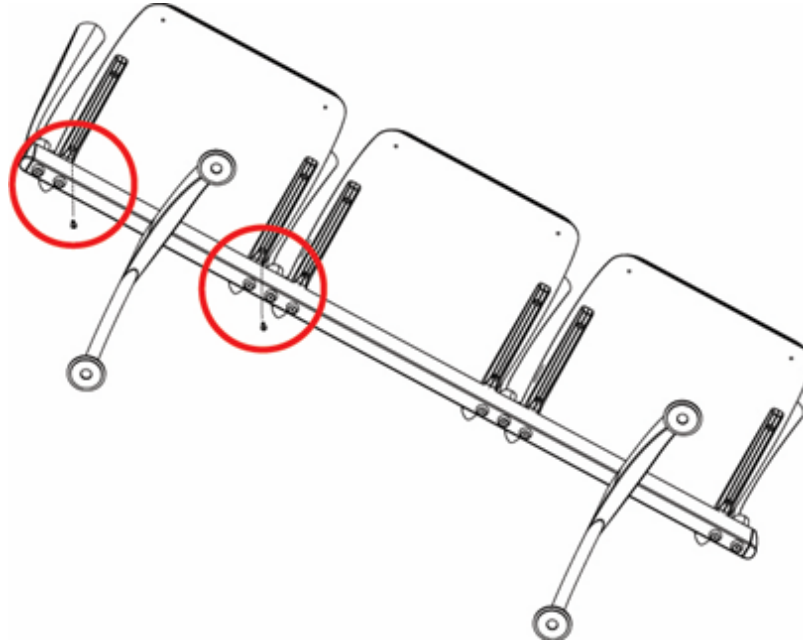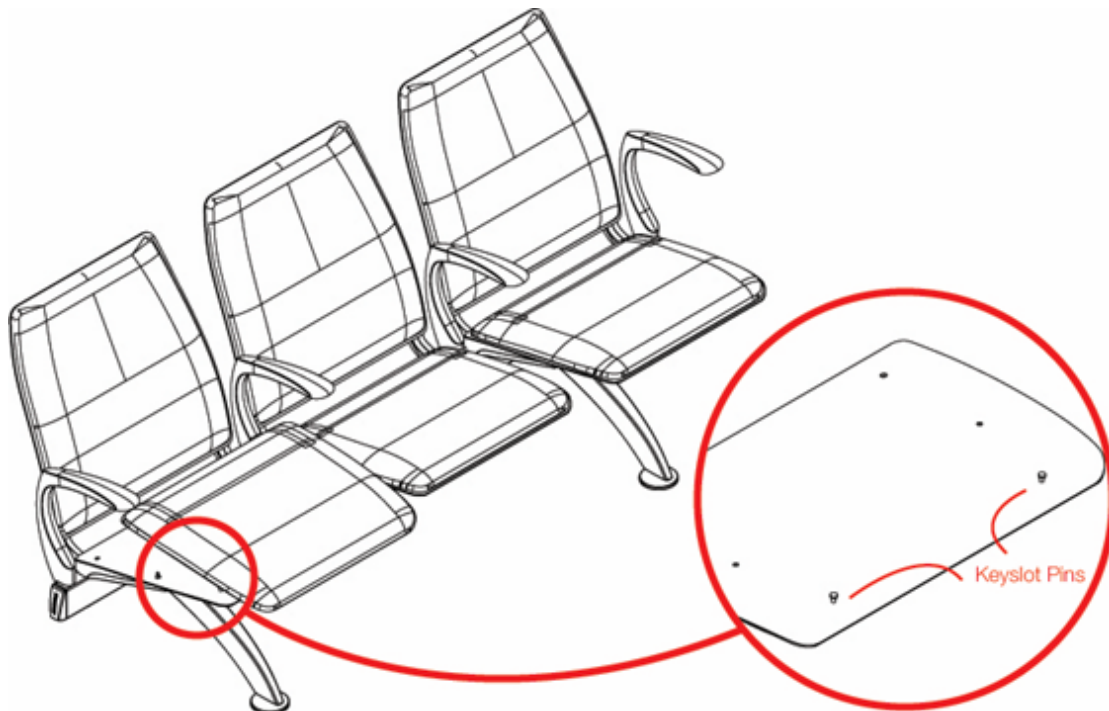

6. Once the screws been removed, slightly pull the bottom of the pad away from the pan and lift up.
7. Install the new pad on the pan. Ensure the key slots (at the bottom of the pad) engage with the pins on the pan.
8. Use an awl to align the parts. Once aligned, fasten the pad using the provided screws in the package.

Keyslot Pins

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Have a seat. You're in charge.

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inPower™ flex mounted to beam seating

inPower™ flex mounted below table

Custom brackets available

inPower flex™

Give your public seating a charge with inPower™ flex – a convenient way for people to recharge their electronics while sitting in comfort. inPower™ flex is mounted under chairs and tables and accommodates power cords and USB cables.

FEATURES
– Can be mounted to any Arconas type of seating or flat surface
– Custom brackets available for other manufacturers' seats and tables
– inPower™ flex shields electronic equipment from power spikes or surges
– Maximizes power distribution to many people from one wall outlet reducing need for costly facility electrical work
– Blue LEDs indicate ready for service to users
– Operators may solicit corporate sponsors for inPower™ flex in order to generate revenue or provide free of charge as a customer service initiative
– Very easy to install and replace
– Creates advertising/revenue opportunities
– Simple and reliable daisy chain connection - up to 5 units
– Available in North American and International plugs

APPLICATIONS
Airports
Transportation
Hospitality
Education
Corporate
Healthcare

Charges two iPads
at the same time

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PRODUCT SPECIFICATIONS

SIZE AND WEIGHT
Width: 6.7in (17cm)
Height: 3.3in (8.4cm)
Depth: 6.3in (16cm)
Weight: 1.5lbs (0.68kg)

ENVIRONMENTAL CONDITIONS
– Temperature range 0˚ to 35˚C
– Humidity 0 to 95% non-condensing

CERTIFICATIONS
North American Model - 120 VAC
– All components are UL/CSA listed
– Tested to UL/IEC/CSA 60950
– FCC Part 15 Conducted and Radiated Emissions Class B and Industry Canada ICES-003 Class B
– All components meet ROHS
– EMC to EN55022/EN55024

Universal Model - 220 VAC
– Tested to UL/CSA/IEC 60950
– CE Mark
– All components are UL/CSA listed (except universal receptacle)
– All components meet ROHS
– FCC Part 15 Conducted and Radiated

DAISY CHAIN LENGTH
– Receptacle modules - 5 in series
– Maximum 32 feet for total jumper length

POWER CAPACITY
North American Model - 120 VAC
– 120 VAC 12 A for a daisy chained system
– 120 VAC 5 A max for each module
– 5VCD 2100 mA max for each USB receptacle

Universal Model - 220 VAC
– 220 VAC 8 A for a daisy chained system
– 220 VAC 3 A max for each module
– 5VDC 2100 mA max for each USB receptacle

PROTECTION
– Inlet power daisy chain limit - resettable breaker with fault indication
– North America 120 VAC - 12 Amp
– 220 VAC models - 8 Amp
– Module limit - resettable breaker with fault indication
– North America 120 VAC - 5 Amp
– Universal 220 VAC model - 3 Amp
– GFCI with test and reset buttons and fail indicator light (120 VAC only)
– GFCI automatic self test will permanently disable the receptacle if a fault is found
– User can also manually test circuit and reset
– 5 VDC over-current protection - 2100 mA

Safety Shutters
– Receptacle has tamper resistant shutters
– Blocks access to live contacts unless complete plug is inserted in receptacles

CONNECTIONS
North American Model - 120 VAC
– Power inlet cord: 3-prong male 15 A (NEMA 5-15P) to IEC 60320 C13
– Power inlet: IEC 60320 C14
– Daisy chain power outlet IEC 60320 C13 to C14
– User AC outlet - duplex 3-prong GFI receptacle (NEMA 5-15R)
– User DC outlets - 5 VDC USB Type A

Universal Model - 220 VAC

– Power inlet cord Local Male Plug to IEC 60320 C13
– Power inlet IEC 60320 C14
– Daisy chain power outlet IEC 60320 C13
– Daisy chain jumper cable IEC 60320 C13 to C14
– User AC outlet - Universal FemaleSockets - Qty 2
– User DC outlets - 5 VDC USB Type A

CABLE MANAGEMENT DEVICE

The CMD is a proprietary, patent-pending, inPower™ flex accessory that provides a well-designed, discrete, and functional solution to cable management problems.

– Aluminum construction with removable nylon end caps
– Adjustable length brackets allow the CMD to be attached virtually anywhere
– Easy to attach to any type of seating, table, or flat surface
– Helps reduce trip-hazards by loose cords from floor
– Dimensions: **Width:** 2.6in **Height:** 1.6in **Depth:** 19.7in

CMD's can be purchased together with inPower™ flex, and is retrofittable.

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OVERVIEW

– Universal version includes two universal sockets that are compatible with nearly all plugs used on 230 VAC systems.
– The Universal version (Part Number 25001) will also accept North American and Japanese spec plugs but will supply 230 VAC not 120 VAC. Users will need to use 120-230 V rated devices or transformers to reduce the voltage.
– The primary component of the system is the receptacle module. In addition to the AC and DC power receptacles it includes an integral 5 VDC power supply, a power indicator light, a circuit breaker to limit the current on the module, a second circuit breaker to limit the current within a daisy chain of modules and the inlet and outlet power connectors. The power cord connects to a wall or floor power socket and jumper cords are used to interconnect the receptacle modules in a daisy chain.
– The inPower™ Flex system is designed to minimize the tripping of the building circuit breakers. When used as the only load on a building circuit, the daisy chain circuit breakers will trip before the building service breakers. This will minimize the need to access the electrical closets when an overload occurs. It can be reset from the module that tripped by a user or staff member.
– Each module also includes a circuit breaker to limit the current to approximately 600 watts. This prevents the use of high current devices (hair dryers, travel irons, floor cleaning machines, etc.) while allowing the use of all consumer electronics. When a high current device is used, only the one receptacle module shuts down. It can easily be reset by a user or staff member resetting the circuit breaker.

FEATURES

jumper cable

power cord

Electrical Connections

Daisy Chain Length
– inPower™ Flex units can be connected in a series to allow multiple units to be powered from a single power source. No more than 5 units can be included in a single series connected daisy chain.

Daisy Chain Connections
– IEC 60320 C13 Power cord or jumper cord inlet
– IEC 60320 C14 jumper cord outlet

AC Outlet Connections
– North American - Duplex NFMA 5-15R (3 prong including ground)
– UK-Two BS 1360 sockets (3 prong including ground)
– Schuko - Two CEE 7/7 sockets (2 prongs plus ground clip)
– Universal - 2 sockets with multiple openings

2017

The Universal Sockets are compatible with the following different plugs:

– CEE 7/7	Europe (not grounded)
– CEE 7/4	Europe (not grounded)
– CEE 7/16	Europlug
– AS/NZS 3112	Australia/New Zealand
– BS 1363	UK/Ireland/Hong Kong
– Afsnit 107-2-D1	Denmark
– CEE 7/4	Europe (not grounded)
– BS 546	India/South Africa
– SI 32	Israel
– CEI 23-16/VII	Italy
– SEV 1011	Switzerland
– NBR 14136	Brazil
– IRAM 2073	Argentina
– GB 2099.1/1002.1	China
– Gost 7396	Russia

USB Charging Capability (All Models)
– Compliant with USB 3.1 Power Delivery 2.0
– Apple devices charging capabilities

Power Capacity (North American Model)
– 120 VAC 12 A for a daisy chained system
– 120 VAC 5 A max for each module
– 5 VDC 2.2 A max for each USB receptacle

Power Capacity (230VAC Model)
– 230 VAC 8 A for a daisy chained system
– 230 VAC 3 A max for each module
– 5 VDC 2.2 A max for each USB receptacle

Protection
– Inlet power daisy chain limit: re-settable breaker with fault indication
      • North America 12 Amp
      • 230 VAC models 8 Amp

– Module limit: re-settable breaker with fault indication
      • North America 5 Amp
      • 230 VAC models 3 Amp

– GFCI with test and rest buttons and fall indicator light (North America only)
– USB 5 VDC over-current protection 2500 mA

Environmental Conditions
–   Temperature range 0° to 40° C
–   Humidity 0 to 95% non-condensing
–   Indoor use

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Operation

– The inPower™ Flex modules will be installed under table tops or under public seating in places easily reached by the public. The users will plug in their consumer electronic devices using standard power cords or USB cords.
– Service can be extended from one unit to another using a jumper cable from the daisy chain outlet of one unit to the power inlet of a second unit to a maximum of 5 series connected units.
– If the receptacle indicator is not illuminated, a user or staff member can reset one or both circuit breakers to restore service. The reset buttons are on the front panel of the receptacle modules.
– If the GFCI indicator is illuminated and no load is present, the user presses the GFCI re-set button to restore service (North America only).

Approvals

– All components are UL/CSA listed
– All components meet ROHS
– Tested to UL/CSA/IEC 60950
– FCC Part 15 Conducted and Radiated Emissions Class B
– Industry Canada ICES-003 Class B
– North American - cTUVus Mark
– UK and Schuko - TUV SUD and CE Mark
– Universal - CE Mark

Design Details

– Face plate satin polished aluminum die casting
– Top and bottom shell black molded nylon
– Maintenance by user and operator limited to re-setting breakers. Return complete assembly to factory for all repairs
– Cable management to dress jumper cords and contain excess length
– Blue LED panel illumination to indicate module ready to service
– Brackets available for all Arconas beam seating units
– Unique brackets can be designed to adapt inPower™ Flex to many other seating designs

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exceptional public seating

inPower flex maintenance tips

The inPower Flex system requires routine checks by maintenance staff to ensure that the product is working and in good condition. A sample checklist is as follows:

1. **Are all blue LED lights working**? This requires a simple visual check. If the lights are not on:
   a) check to make sure that the GFI is pressed. (there is a small yellow light on the face plate)
   b) check to make sure the unit is plugged into the power source and into the back of the receptacle
   c) follow troubleshooting instructions as outlines in the Assembly Instructions (page 4)
   d) contact Arconas' Airport Solutions Team and send pictures/description of the issue to airport@arconas.com.

2. **Are all cables neatly tucked up and out of the way** - either with cable/zip ties or inside the Cable Management Device (CMD)? If not, tidy the cables as needed.

3. **Periodically inspect units** to ensure that mounting brackets (under seats and/or tables) are securely fastened.

ARCONAS can work with your team to develop an ongoing maintenance program to maximize the life of your investment and ensure the availability of standard replacement parts should repairs be required.