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amicus task use & guest

BASE:
- reinforced nylon scuff-resistant plastic
- 26” base

CASTERS/GLIDES:
- 60mm (2-1/3”) hard (carpet casters) reinforced nylon
- optional soft casters for hard floors are polyurethane coated nylon
- twin-wheeled and hooded
- 2-1/8” hard plastic glides
- soft glides have soft insert pads

PNEUMATIC CYLINDER: (GAS LIFT)
- gas-assisted pneumatic cylinder

MECHANISMS:
- Synchro-Tilt:
  - constructed of cast aluminum and stamped steel

SEAT:
- constructed of polyethylene + nylon

BACK:
  Inner Back:
  - constructed of ABS
  Outer Back:
  - constructed of polypropylene
  Lumbar System:
  - reinforced nylon

J-BAR:
- 5/16” solid steel
- epoxy powder coated

ARMS:
- T-Arms:
  - self-skinned urethane arm pads
  - reinforced nylon armrest structure
- Guest Chair Arms:
  - reinforced nylon armrest

GUEST (FRAME):
  Base:
  - twin-wheeled and hooded
  - multi-surface glides are natural polyethylene
  Four-leg:
  - 14 gauge steel tube
  Cantilever:
  - 12 gauge steel tube

FOAM:
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 global warming factor
- “bumpered” as covered sides to protect furniture
- exceeds ASTMD - 3574 -91
- dynamic fatigue test by constant force pounding: thickness loss = 5% (specification calls for not more than 25%)

<table>
<thead>
<tr>
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<td>67%</td>
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<td>Flammability:</td>
<td>CAL 117</td>
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* exceeds ASTM P – 3770 – 91
BASE:
- Ebony glass-reinforced nylon or polished diecast aluminum
- 26” diameter 5-star base (Aluminum), 27.5” diameter 5-star base (Plastic)

CASTERS/GLIDES:
- 60mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band
- twin-wheeled casters
- glass filled nylon glides
- soft glides for hard floors have soft felt pads

PNEUMATIC CYLINDER:
- gas-assisted pneumatic cylinder lift

MECHANISMS:
- weight Activated Synchro-Tilt with easy override dial to fine tune tilt tension in one-rotation. Mechanism & seat sub-assembly facilitates Quick-Snap Assembly (one-way fastening) with the back sub-assembly & arms; and can be performed by manufacturer or on-site without tools
- glass-reinforced nylon plastic & steel

FOOTRING (STOOL):
- all-aluminum construction
- height-adjustable

SEAT:
- Optional Seat Slider (depth):
  - glass-reinforced nylon plastic
  - plastic levers on left of seat control adjust

Seat Structure:
- glass-reinforced nylon plastic seat pan structure
- polypropylene plastic integrated FlexAround Seat Pan offers an advanced degree of comfort, support and ventilation

BACK:
Structural back frame:
- glass-reinforced nylon plastic frame structure designed to create a light, sculptural form with an open volume or space. Fabric-wrapped from front to back for a soft, tactile edge experience at the sides, bottom and top edge surfaces.
- back frame facilitates Quick-Snap Assembly (one-way fastening) to the mechanism & seat sub-assembly; to be performed by manufacturer or on-site without tools

MESH BACK:
- cushioned Mesh, featuring a dual-textured weave with coordinating colors on front and back. The mesh is breathable and provides user back support
  - elastic piece-dyed to prevent nylon fade
  - composition: 100% Polyester
  - weight: Approx. 300 g/sq. m
  - flammability: CAL 117
  - fastness to Light: AATCC 16.3-2014 class 5
  - abrasion Resistance: ASTM D-4157-13, 30,000 cycles
  - piling Resistance: ASTM D-3511/D, class 5
  - cleaning: fixed covers: vacuum cleaning
- optional lumbar element constructed of polypropylene plastic

UPHOLSTERED BACK:
- Hex Suspension System - Hex-back insert constructed of polypropylene plastic flexes with the body to provide comfort and support
- adjustable lumbar elements are integrated into the design; each side can be independently controlled for asymmetrical positioning. Controls constructed of glass-reinforced nylon plastic

ARMS:
- 2D (height & width) & 4D (height, width, depth & pivot) adjustable T-Arms facilitate Quick-Snap Assembly (one-way fastening) to the mechanism & seat sub-assembly; to be performed by manufacturer or on-site without tools
- thermoplastic Polyurethane (TPU) armpad covers with flexible polyurethane foam padding
- glass-reinforced nylon plastic

SEAT FOAM:
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

UPHOLSTERED BACK FOAM:
- molded, colored, polyurethane foam for back
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

Seat:
| Density:     | 3.2-3.6 lbs./ft³ |
| IFD @ 25%:   | 206 N            |
| IFD @ 65%:   | 529 N            |
| Recovery Strength @ 25%: | 200 N |
| Recovery Ratio: | 85.4%*          |
| Tensile Strength: | 35.3 lbs./sq. in.* |
| Resiliency:  | 61%              |
| Flammability:| CAL 117          |
| * exceeds ASTMP – 3770 – 91

Seat:
| Density:     | 3.2-3.6 lbs./ft³ |
| IFD @ 25%:   | 206 N            |
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| Tensile Strength: | 35.3 lbs./sq. in.* |
| Resiliency:  | 61%              |
| Flammability:| CAL 117          |
| * exceeds ASTMP-3770-91
marini

**BASE:**
- diecast aluminum
- diameter of 27”

**CASTERS/GLIDES:**
- 60mm (2-1/3”) hard (carpet casters) are reinforced nylon
- optional soft casters for hard floors are polyurethane coated nylon
- twin-wheeled
- 2-1/8” hard plastic glides
- soft glides have soft felt pads

**PNEUMATIC CYLINDER (GAS LIFT):**
- gas-assisted pneumatic cylinder

**MECHANISMS:**
- **Synchro-Tilt:**
  - constructed of aluminum, steel and plastic

**SEAT:**
- constructed of reinforced nylon

**BACK:**
- constructed of polypropylene and reinforced nylon
- polished aluminum diecast inset detail

**J-BAR:**
- diecast aluminum with polished finish

**ARMS:**
- **Width & Height-Adjustable T-Arms:**
  - diecast aluminum
  - various plastics
  - self-skinned urethane arm pads

**FOAM:**
- molded, colored, polyurethane foam for seat and back
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

**STANDARD SHIPPING CARTONS:**
- recycled foam used to protect knocked-down chair in box
- double wall cardboard
- recycled and recyclable
- 3” reinforced gum tape (recycled)
BASE:
• diecast aluminum base
• painted or polished finish
• diameter of 27”
CASTERS/GLIDES:
• polyamide 6 hard twin-wheeled casters
• diameter of 5.9”
• optional soft type urethane casters
PNEUMATIC CYLINDER: (GAS LIFT)
• gas-assisted pneumatic cylinder lift
MECHANISMS:
Synchro-Tilt:
• diecast aluminum body
• rubber torsion mechanism
Seating:
• reinforced plastic (polyamide)
Seat Structures:
• reinforced plastic (polyamide)
• aluminum diecast frame
• 2” forward/back adjust in six positions
• levers on left and right of seat control adjust
Seat Material (All Mesh model):
• 100% polyester mesh
• zehedral braided format for optimized feel & additional support specifically tailored for the seat
• elastic piece-dyed to prevent color fade
BACK:
Frame:
• diecast aluminum external frame with paint or anodized finish
• reinforced plastic (polyamide) structural back
• maximum two visibly exposed mechanical fasteners on entire chair, bezel-recessed on side to minimize aesthetic impact and maximize structural performance.
Inner Back:
• 100% polyester mesh
• zehedral braided format for optimized feel & support, specifically tailored for your back
• elastic piece-dyed to prevent color fade
Lumbar System:
• glass-reinforced nylon plastic
• black translucent polypropylene membrane responds uniquely to individual’s back curve depth & force
ARMS:
4D T-Arms:
• Smart Operations controls for seat height & back tilt/tilt-lock are integrated into levers on arms for easy access above seat level
• polyurethane pads
• reinforced plastic (nylon) structure
• button-controlled arm height adjustment and intuitive self-adjustment for width, depth and pivot
FOAM (DUAL-UPHOLSTERED MODEL ONLY):
• molded, tri-durometer polyurethane foam seat pan construction maximizes varying needs for comfort & support throughout
• 0 global warming factor
• HCFC and CFC free
• 0 global warming factor
• “bumpered” as covered sides to protect furniture

Seat:
Density: 3.2-3.6 lbs./ft.³
IFD @ 25%: 206 lbs
IFD @ 65%: 529 lbs
Recovery Strength @ 25%: 200N
Recovery Ratio: 85.4%*
Tensile Strength: 35.3 lbs./sq. in.*
Resiliency: 61%
Flammability: CAL 117
* exceeds ASTMP – 3770 – 91

HEADREST (OPTIONAL):
• height and depth adjustable
• polyurethane pad
• reinforced plastic (nylon) structure
projek task & stool

BASE:
• diecast aluminum 26” base
• reinforced nylon, scuff resistant plastic (ebony), 27-1/2” base

CASTERS/GLIDES:
• 60mm (2-1/3”) hard (carpet casters) are reinforced nylon
• optional soft casters for hard floors are polyurethane coated nylon
• twin-wheeled
• 2-1/8” hard plastic glides
• soft glides have soft felt pads

PNEUMATIC CYLINDER: (GAS LIFT)
• gas-assisted pneumatic cylinder

MECHANISMS:
Weight-Activated Synchro-Tilt and Swivel Stool:
• constructed of aluminum, steel, and plastic
• epoxy powder coat paint

FOOTRING (STOOL):
• constructed of aluminum, steel tube and plastic spacer
• height-adjustable

SEAT:
• constructed of reinforced polypropylene

BACK:
Structural Back Outer Frame:
• constructed of glass reinforced nylon

 Inner Frame:
• constructed of glass reinforced polypropylene

 Lumbar System:
• constructed of polypropylene

MESH:
• Trade Name: Shrinx by k+r
• Composition: 76% Polyester, 24% Polyamide
• Weight: Approx. 380 g/lm
• Flammability: D- DIN EN 1021:2006 (as per spec sheet)
• Fastness to Light: DIN EN ISO 105-B02: 2002 5 - 7
• Fastness to Rubbing: DIN EN ISO 105-X12: 2002 4 – 5 dry and wet
• Fastness to perspiration: DIN EN ISO 105-E04: 2009 4-5 acid and alkaline
• Cleaning: fixed covers: vacuum cleaning

HEADREST:
• Frame constructed of polypropylene

ARMS:
2D Height & Width-Adjustable T-Arms:
• fiber glass reinforced nylon armrest structure
• self-skinned urethane arm pads

4D Height & Width Adjustable T-Arms with 210° Pivot:
• ebony powder coated aluminum upright
• fiber glass reinforced nylon armrest
• Self-skinned urethane arm pads

SEAT FOAM:
• molded, colored, polyurethane foam for seat
• HCFC and CFC free
• 0 Global warming factor
• “bumpered” as covered sides to protect furniture

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construction notes

projek guest

BASE:
• multi-surface glides are natural polyethylene

CANTILEVER FRAME:
• 12 gauge steel tube
• Ebony powder coat or chrome finish

ARM:
• Glass filled nylon

SEAT & BACK:

Structural Seat & Back Outer Frame:
• constructed of fiber glass reinforced nylon

Inner Frame:
• constructed of glass reinforced polypropylene

MESH:
• Trade Name: Shrinx by k+r
• Composition: 76% Polyester, 24% Polyamide
• Weight: Approx. 380 g/lm
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• Cleaning: fixed covers: vacuum cleaning

FOAM:
• molded, colored, polyurethane foam for seat
• HCFC and CFC free
• 0 global warming factor
• “bumpered” as covered sides to protect furniture
• exceeds ASTMD - 3574 -91
• dynamic fatigue test by constant force pounding: thickness loss = 5%
  (specification calls for not more than 25%)

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* exceeds ASTM – 3770 – 91
# sabrina task & stool

## BASE:
- ebony glass-reinforced nylon or polished diecast aluminum
- 26” diameter 5-star base

## CASTERS/GLIDES:
- 60 mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band
- twin-wheeled casters
- glass filled nylon glides
- soft glides have soft felt pads

## PNEUMATIC CYLINDER:
- gas-assisted pneumatic cylinder lift

## MECHANISM:
**Synchro-Tilt:**
- diecast aluminum, steel & plastic
- ebony powder coating

## FOOTRING (STOOL):
- all-aluminum construction
- height-adjustable

## SEAT:
**Seat Slider (depth):**
- glass-reinforced nylon plastic

**Seat Structure:**
- glass-reinforced nylon plastic
- formed steel plate with ebony powder coating
- plastic levers on left and right of seat control adjust

## BACK:
**Structural Back Frame:**
- glass-reinforced nylon plastic
- polished diecast-aluminum insert
  **Inner Back:**
  - 100% polyester mesh
  - elastic piece-dyed to prevent nylon fade
  **Lumbar Support:**
  - glass-reinforced nylon plastic
  - ebony translucent polypropylene membrane

## ARMS:
**T-Arms:**
- polyurethane pads
- glass-reinforced nylon plastic

## HEADREST:
- glass-reinforced nylon plastic
- 100% polyester mesh

## COAT HANGER:
- glass-reinforced nylon plastic

## FOAM:
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 global warming factor
- “bumpered” as covered sides to protect furniture

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* exceeds ASTMP – 3770 – 91
BASE:
• reinforced nylon plastic
• 26” base

CASTERS/GLIDES:
• 60mm (2-1/3”) hard (carpet casters) are reinforced nylon
• optional soft casters for hard floors are polyurethane coated nylon
• twin-wheeled
• 2-1/8” hard plastic glides
• soft glides have soft felt pads

PNEUMATIC CYLINDER (GAS LIFT):
• gas-assisted pneumatic cylinder

MECHANISMS:
  Synchro-Tilt:
• stamped steel construction
• epoxy powder coat paint

  Swivel-Tilt:
• cast aluminum and stamped steel
• epoxy powder coat paint

  Swivel (Stool):
• stamped steel construction
• epoxy powder coat paint

FOOTRING (STOOL):
• made of aluminum, steel tube and plastic spacer

SEAT:
• constructed of reinforced nylon

BACK:
• constructed of reinforced nylon

J-BAR:
• 5/16” solid steel
• epoxy powder coated

ARMS:
  Width & Height-Adjustable T-Arms:
• reinforced nylon armrest structure
• self-skinned urethane arm pads

FOAM:
• molded, colored, polyurethane foam for seat and back
• HCFC and CFC free
• 0 Global warming factor
• “bumpered” as covered sides to protect furniture

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s avera xl

BASE:
• reinforced nylon plastic
• 27” base

CASTERS:
• 60mm (2-1/3”) hard (carpet casters) are reinforced nylon
• optional soft casters for hard floors are polyurethane coated nylon
• twin-wheeled

PNEUMATIC CYLINDER (GAS LIFT):
• heavy duty gas-assisted pneumatic cylinder

MECHANISMS:
Synchro-Tilt:
• stamped steel construction
• epoxy powder coat paint

SEAT & BACK:
• molded plywood

J-BAR
• 3/8” solid steel
• epoxy powder coated

ARMS:
Height-Adjustable T-Arms:
• reinforced nylon armrest structure
• self-skinned urethane arm pads

FOAM:
• molded, colored, polyurethane foam for seat and back
• HCFC and CFC free
• 0 Global warming factor
• “bumpered” as covered sides to protect furniture

| Density: | Seat: 2.8-3.4 lbs./ft.3 | Back: 2.8-3.4 lbs./ft.3 |
| IFD @25%: | 12.86 lbs |  |
| IFD @65%: | 43 lbs | 21.37 lbs |
| Flammability: | CAL 117 | CAL 117 |
t-3 task & stool

**BASE:**
- reinforced nylon plastic
- 26” base

**CASTERS/GLIDES:**
- 60mm (2-1/3”) hard (carpet casters) are reinforced nylon
- optional soft casters for hard floors are polyurethane coated nylon
- twin-wheeled
- 2-1/8” hard plastic glides
- soft glides have soft felt pads

**PNEUMATIC CYLINDER: (GAS LIFT)**
- gas-assisted pneumatic cylinder

**MECHANISMS:**
- **Synchro-Tilt:**
  - stamped steel construction
- **Swivel (Stool):**
  - stamped steel construction
  - epoxy powder coat paint

**FOOTRING (STOOL):**
- made of aluminum, steel tube and plastic spacer

**SEAT:**
- plywood seat pan

**BACK:**
- constructed of polypropylene

**J-BAR:**
- 1/4” solid steel
- epoxy powder coated

**ARMS:**
- **Width & Height-Adjustable T-Arms:**
  - reinforced nylon armrest structure
  - self-skinned urethane arm pads

**FOAM:**
- block polyurethane foam for seat and back
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture
variable multi-use swivel work chair & stool

BASE:
- ebony glass-reinforced nylon or polished diecast aluminum
- 26” diameter 5-star base

CASTERS/GLIDES:
- 60 mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band
- twin-wheeled casters
- glass filled nylon glides
- soft glides have soft felt pads

MECHANISMS:
Swivel:
- constructed of aluminum, steel and plastic
- polished diecast aluminum case
- chrome-plated steel wire lever and ebony plastic handle

CANTILEVERED FRAME:
- 3/4” (19mm) durable round steel tube, 12 gauge
- powder coating or chrome finish

FOOTRING (STOOL):
- constructed of aluminum, steel tube and ebony plastic spacer

SEAT & BACK SHELL:
- engineered, injection-molded, lightly textured 100% nylon with patented, integrated back-flex
- non-corrosive steel mechanical fasteners

FIXED ARMS:
- 3/4” (19mm) durable round steel tube, 12 gauge, arm stanchion
- powder coating or chrome-plating finish on stanchion
- ABS plastic arm pad

TABLET:
- compact laminate
- chrome plated 3/4” (19mm) durable round steel tube, 12 gauge
- steel pivot-mechanism in glass-reinforced nylon plastic case allows worksurface to pivot-up 90°

SEAT & BACK PADS:
- polypropylene and ABS plastic
- extra-strength adhesive fasteners

SEAT FOAM:
- molded, colored, polyurethane foam for seat and back
- HCFC and CFC free
- 0 Global warming factor

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BASE:
- reinforced nylon scuff-resistant plastic
- 22” diameter

CASTERS/GLIDES:
- 60mm (2-1/3”) hard (carpet casters) reinforced nylon
- optional soft casters for hard floors are polyurethane coated nylon
- twin-wheeled and hooded
- 2-1/8” hard plastic glides
- soft glides have soft insert pads

MECHANISMS:
- 360° swivel
- seat height adjustment lever

PNEUMATIC CYLINDER: (GAS LIFT)
- gas-assisted pneumatic cylinder
- pneumatic cylinder provides height adjustment of 6”

SEAT:
- available in triangular (NACSPT) and round (NASCPR)
- seat slider option not available
- 2” polyurethane slab foam for support

FOAM:
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 global warming factor
- “bumpered” as covered sides to protect furniture
- exceeds ASTM D - 3574 - 91
- dynamic fatigue test by constant force pounding: thickness loss = 5% (specification calls for not more than 25%)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>2.4 - 2.5 min.lbs./cu.ft</td>
</tr>
<tr>
<td>IFD @ 25%</td>
<td>48 - 57 lbs.</td>
</tr>
<tr>
<td>IFD @ 65%</td>
<td>125 lbs</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>17 lbs./sq.in.</td>
</tr>
<tr>
<td>@ 25%</td>
<td>157 N</td>
</tr>
<tr>
<td>Elongation</td>
<td>120 min. 95.5% min.</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>35.3lbs./sq. in.*</td>
</tr>
<tr>
<td>Resiliency</td>
<td>55%</td>
</tr>
<tr>
<td>Flammability</td>
<td>CAL 117</td>
</tr>
<tr>
<td>Compression Seat at 90% Max</td>
<td>10%</td>
</tr>
<tr>
<td>Compression Modulus</td>
<td>2.2 min.</td>
</tr>
</tbody>
</table>
just-us chair

BASE:
• 26" diameter base of reinforced nylon, scuff resistant plastic in Ebony or Gris as specified in finish palette

CASTERS/GLIDES:
• 60 mm (2-1/3") hard (carpet casters) are glass-reinforced nylon plastic
• optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band.
• twin-wheeled casters in Ebony (black) or Medium Grey (coordinated with Gris finish palette), as specified
• glass filled nylon glides
• soft glides have soft felt pads

PNEUMATIC CYLINDER (GAS LIFT):
• gas-assisted pneumatic cylinder in Ebony or Gris powder coated paint finish, as specified in finish palette

MECHANISM:
Swivel-Tilt Height-Adjustable:
• constructed of aluminum, steel and plastic
• polished diecast aluminum case
• Ebony or Gris painted steel wire lever and coordinating plastic handle

ARMS:
• glass filled nylon

BACK:
Structural back outer frame:
• constructed of glass reinforced nylon

Inner Frame:
• constructed of glass reinforced nylon

SEAT:
• glass filled nylon structural seat
• polypropylene upholstery plate (upholstered seat model only)

MESH:
Around & Just-Us Mesh:
(mesh is standard in back; optional in seat construction):
• cushioned mesh, featuring a dual-textured weave with coordinating colors & finishes on front and back. The mesh is breathable and provides user back support
  – elastic piece-dyed to prevent nylon fade
  – composition: 100% Polyester
  – weight: approx. 300 g/sq. m
  – flammability: CAL 117
  – fastness to light: AATCC 16.3-2014 class 5
  – abrasion resistance: ASTM D-4157-13, 30,000 cycles
  – piling resistance: ASTM D-3511/D, class 5
  – cleaning: fixed covers: vacuum cleaning

SEAT FOAM (UPHOLSTERED SEAT MODEL ONLY):
• molded, colored, polyurethane foam for seat
• HCFC and CFC free
• 0 Global warming factor
• "bumpered" as covered sides to protect furniture

| Density: | 3.2-3.6 lbs./ft³ |
| IFD @ 25%: | 206N |
| IFD @ 65%: | 529N |
| Recovery Strength @ 25%: | 200N |
| Recovery Ratio: | 85.4%* |
| Tensile Strength: | 35.3 lbs./sq. in.* |
| Resiliency: | 61% |
| Flammability: | CAL 117 |

* exceeds ASTM – 3770 – 91
**BASE:**
- reinforced nylon, scuff resistant plastic (ebony), 27-1/2” base
- diecast aluminum 26” base (premium)

**CASTERS/GLIDES:**
- 60 mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band.
- twin-wheeled casters in Ebony (black)
- glass filled nylon glides
- soft glides have soft felt pads

**PNEUMATIC CYLINDER (GAS LIFT):**
- gas-assisted pneumatic cylinder

**MECHANISM:**
- Swivel-Tilt Height-Adjustable:
  - constructed of aluminum, steel and plastic
  - polished diecast aluminum case
  - chrome-plated steel wire lever and ebony plastic handle

**ARMS:**
- Glass filled nylon

**SEAT & BACK:**
- Structural Back Outer Frame:
  - constructed of glass reinforced nylon
- **Inner Frame:**
  - constructed of glass reinforced polypropylene

**MESH:**
- Trade Name: Shrink by k+r
- Composition: 76% Polyester, 24% Polyamid
- Weight: Approx. 380 g/lf
- Flammability: D- DIN EN 1021:2006 (as per spec sheet)
- Fastness to Light: DIN EN ISO 105-B02: 2002 5 - 7
- Fastness to Rubbing: DIN EN ISO 105-X12: 2002 4 – 5 dry and wet
- Fastness to perspiration: DIN EN ISO 105-E04: 2009 4-5 acid and alkaline
- Cleaning: fixed covers: vacuum cleaning

**SEAT FOAM:**
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

<table>
<thead>
<tr>
<th>Seat</th>
<th>Density</th>
<th>IFD @ 25%</th>
<th>IFD @ 65%</th>
<th>Recovery Strength @ 25%</th>
<th>Recovery Ratio</th>
<th>Tensile Strength</th>
<th>Resiliency</th>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.8 lbs./ft.3</td>
<td>206N</td>
<td>529N</td>
<td>200N</td>
<td>85.4%*</td>
<td>35.3 lbs./sq. in*</td>
<td>61% min.</td>
<td>CAL 117</td>
</tr>
</tbody>
</table>

* exceeds ASTM – 3770 – 91
sitara

GLIDES:
• multi-surface glides are nylon

FRAME:
• welded steel tubing

STRUCTURAL SEAT & BACK:
• engineered, injection-molded, lightly textured polypropylene
• recyclable materials

INTEGRATED ARMS WITH CAP:
• arms are integrated with the frame
• arms are available in polished aluminum or black fiberglass
  reinforced nylon plastic options

STANDARD SHIPPING CARTONS:
• double wall cardboard
• recycled and recyclable
• 3” reinforced gum tape (recycled)

FOAM:
  Back:
• Upholstered back section is high-density molded foam
  Seat:
• Upholstered seat section is made of colored block-foam
  • seat is 1/2” thick
  • foam seat grade: 2550 ultracel

  Seat:
  Density: 2.4-2.5 lbs./ft.3
  IFD: 47-54 psi
  Flammability: CAL 117
  Modulus: 2.20 min @65%
**BASE (STOOLS & TABLES):**
- 1/8” thick spun aluminum trumpet base
- optional epoxy powder coat paint finish in any standard Teknion color

**GLIDES (STOOLS & TABLES):**
- glass filled nylon glides with felt pads

**FRAME:**
- 2” diameter steel tube vertical
- welded 7/8” diameter steel tube footrest (counter and bar height models only)
- optional epoxy powder coat paint finish in any standard Teknion color

**MECHANISM:**
- POM plastic bushing provides 360 Degree Swivel
- footrest (on counter & bar height models) rotates with seat
- fixed height for safer use in public spaces and consistency across multiple models within a floor plate

**SEAT:**
- cast aluminum under pan with optional epoxy powder coat paint finish in any standard Teknion color
- Polypropylene mushroom-clip seat fastening
- plywood structure
- upholstery

**SEAT FOAM:**
- molded, colored, polyurethane foam for seat
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

**Seat:**
- **Density:** 3.2-3.6 lbs./ft³
- **IFD @ 25%:** 206N
- **IFD @ 65%:** 529N
- **Recovery Strength @ 25%:** 200N
- **Recovery Ratio:** 85.4%*
- **Tensile Strength:** 35.3 lbs./sq. in.*
- **Resiliency:** 61%
- **Flammability:** CAL 117

* exceeds ASTMP – 3770 – 91
synapse

FRAME:
- beech wood

SEAT:
- engineered, injection-molded, lightly textured polypropylene
- aluminum
- recyclable materials

GLIDES:
- polyethylene

FOAM:
- Upholstered section of the guest chair is made of colored block-form foam (seat only)
- polyurethane
- Density: 4.0 lbs./ft.3
- IFD @25%: 42 lbf.
- IFD @65%: 86 lbf.
- CAL117: Pass

STANDARD SHIPPING CARTONS:
- double wall cardboard
- recycled and recyclable
- 3” reinforced gum tape (recycled)
FRAME:
• solid “A” grade maple
• connections are secured with screws, glue and dowels

FOAM:
• molded, colored, polyurethane foam for seat
• HCFC and CFC free
• 0 global warming factor

STANDARD SHIPPING CARTONS:
• recycled foam used to protect product in box
• double wall cardboard
• recycled and recyclable
• 3” reinforced gum tape (recycled)
variable conference

**BASE:**
- diecast aluminum with polished finish
- 26” diameter 5-prong spider base

**CASTERS/GLIDES:**
- 60 mm (2-1/3”) hard casters for carpet are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band
- twin-wheeled casters
- glass filled nylon glides
- soft glides have soft felt pads

**MECHANISMS:**

**Swivel:**
- constructed of aluminum, steel and plastic
- polished diecast aluminum case
- chrome-plated steel wire lever and ebony plastic handle

**CANTILEVERED FRAME:**
- 3/4” (19mm) durable round steel tube, 12 gauge
- powder coating or chrome finish

**SEAT & BACK SHELL:**
- engineered, injection-molded, lightly textured 100% nylon with patented, integrated back-flex
- non-corrosive steel mechanical fasteners

**FIXED ARMS:**
- 3/4” (19mm) durable round steel tube, 12 gauge, arm stanchion
- powder coating or chrome-plating finish on stanchion
- ABS plastic arm pad

**TABLET:**
- compact laminate
- chrome plated SAE1010 3/4” (19mm) durable round steel tube, 12 gauge
- steel pivot-mechanism in glass-filled nylon plastic case allows worksurface to pivot-up 90°

**SEAT & BACK PADS:**
- polypropylene and ABS plastic
- extra-strength adhesive fasteners

**SEAT FOAM:**
- molded, colored, polyurethane foam for seat and back
- HCFC and CFC free
- 0 Global warming factor

<table>
<thead>
<tr>
<th></th>
<th>Seat:</th>
<th>Back:</th>
</tr>
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<tbody>
<tr>
<td><strong>Density:</strong></td>
<td>3.2-3.6 lbs./ft³</td>
<td>3.2-3.6 lbs./ft³</td>
</tr>
<tr>
<td><strong>IFD @ 25%:</strong></td>
<td>10.77 lbs.</td>
<td>40 lbs.</td>
</tr>
<tr>
<td><strong>IFD @ 65%:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability:</strong></td>
<td>CAL 117</td>
<td>CAL 117</td>
</tr>
</tbody>
</table>
variable hybrED chair

BASE:

Storage Tray Base:
- Polypropylene, scuff resistant plastic (ebony/platinum), 27-1/2” base
- non-corrosive steel mechanical fasteners

Swivel-Height Adjustable with 5-Star Base:
- reinforced nylon, scuff resistant plastic (ebony), 27-1/2” base
- diecast aluminum 26” base (premium)

CASTERS/GLIDES:
- 60 mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
- optional soft casters for hard floors are glass-reinforced nylon plastic
- twin-wheeled casters in Ebony (black) and Silver/Ebony finish.
- glass filled nylon glides
- soft glides have soft felt pads

CANTILEVERED FRAME:
- cantilevered frame & base to maximize storage capacity & allow
- 1” (25 mm) durable round steel tube, 12 gauge
- powder coating

PNEUMATIC CYLINDER (GAS LIFT):

Swivel Height Adjustable with 5-Star Base:
- gas-assisted pneumatic cylinder

MECHANISM:

Storage Tray Base:
- custom swivel mechanism constructed of aluminum, steel and plastic
- polished diecast aluminum case
- swivel range from -45° to +45°

Swivel Height Adjustable with 5-Star Base:
- constructed of aluminum, steel and plastic
- polished diecast aluminum case
- chrome-plated steel wire lever and ebony plastic handle
- 360° Swivel

WORKSURFACE:
- PC-ASA scuff-resistant plastic tablet with integrated edge barriers
- powder coated 1” (25mm) durable round steel tube, 12 gauge
- steel pivot-mechanism in glass-reinforced nylon plastic case allows
  worksurface to pivot 360° to provide un-handed usage

SEAT & BACK SHELL:
- engineered, injection-molded, lightly textured 100% nylon with
  patented, integrated back-flex
- non-corrosive steel mechanical fasteners
- 11 gauge steel reinforcement plate for seat pan

SEAT & BACK PADS:
- polypropylene and ABS plastic
- extra-strength adhesive fasteners
- options for no upholstery, upholstered pad on seat only or upholstered
  pads on seat & back; with single or dual upholstery options

FOAM:
- molded, colored, polyurethane foam for seat and back
- HCFC and CFC free
- 0 Global warming factor
- “bumpered” as covered sides to protect furniture

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<tr>
<td>Density:</td>
<td>4.8 lbs./ft.3</td>
<td>5.10 lbs./ft.3</td>
</tr>
<tr>
<td>IFD @ 25%:</td>
<td>206N</td>
<td>206N</td>
</tr>
<tr>
<td>IFD @ 65%:</td>
<td>529N</td>
<td>529N</td>
</tr>
<tr>
<td>Recovery Strength @ 25%:</td>
<td>200N</td>
<td>129N</td>
</tr>
<tr>
<td>Recovery Ratio:</td>
<td>85.4%*</td>
<td>85.4%</td>
</tr>
<tr>
<td>Tensile Strength:</td>
<td>35.3 lbs./sq. in.*</td>
<td>13.8 lbs./sq. in*</td>
</tr>
<tr>
<td>Resiliency:</td>
<td>61%</td>
<td>61%</td>
</tr>
<tr>
<td>Flammability:</td>
<td>CAL 117</td>
<td>CAL 117</td>
</tr>
</tbody>
</table>

* exceeds ASTMP – 3770 – 91
FRAME:
• uni 7947 18 mm round steel tube
• epoxy powder coating or chrome finish

SEAT AND BACK:

Plastic:
• engineered, injection-molded, lightly textured polypropylene
• recyclable materials

3D Wood:
• engineered, heat and pressure molded beech Veneer 3D Sheets form one-piece Shell
• semi-open pore finish

ARMS:
• polyethylene

GLIDES:
• polyethylene

DOLLY:
• 14 gauge tubing, 7/8” diameter
• welded steel construction
• hard casters are dual nylon

BOOKRACK:
• 6 mm steel wire
• epoxy powder coating

TABLET:
• compact laminate

GANGING CONNECTORS:
• polyethylene

STANDARD SHIPPING CARTONS:
• double wall cardboard
• recycled and recyclable
• 3” reinforced gum tape (recycled)
• 2 chairs shipped per box
• 1 stool shipped per box
variable 4-leg stacking guest chair & stool

FRAME:
• 3/4” (19mm) durable round steel tube, 14 gauge
• powder coating or chrome-plated finish
• wall saver leg
• integrated fixed arm option
• ebony nylon plastic bumpers
• non-corrosive metal mechanical fasteners

CASTERS/GLIDES:
• 60 mm (2-1/3”) hard (carpet casters) are glass-reinforced nylon plastic
• optional soft casters for hard floors are glass-reinforced nylon plastic with polyurethane soft band
• twin-wheeled casters
• glass filled nylon glides
• soft glides have soft felt pads

SEAT & BACK SHELL:
• engineered, injection-molded, lightly textured 100% nylon with patented, integrated back-flex
• non-corrosive steel mechanical fasteners

FIXED ARMS:
• ABS plastic arm pad

TABLET:
• compact laminate
• chrome plated 3/4” (19mm) durable round steel tube, 12 gauge
• steel pivot-mechanism in glass-filled nylon plastic case allows worksurface to pivot-up 90°

BOOKRACK:
• chrome plated 3/16” (4.76 mm) & 1/4” (6.35 mm) round steel wire

SEAT & BACK PADS:
• polypropylene and ABS plastic
• extra-strength adhesive fasteners

SEAT FOAM:
• molded, colored, polyurethane foam for seat and back
• HCFC and CFC free
• 0 Global warming factor

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</tr>
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<td>10.77 lbs.</td>
<td></td>
</tr>
<tr>
<td>IFD @ 65%:</td>
<td>40 lbs.</td>
<td></td>
</tr>
<tr>
<td>Flammability:</td>
<td>CAL 117</td>
<td>CAL 117</td>
</tr>
</tbody>
</table>
### Volume

**Frame:**
- SAE 1010 12mm round steel wire
- Chrome plated

**Seat and Back:**
- Engineered, injection-molded, lightly textured polypropylene
- Recyclable materials
- 0.5 plyurethane foam (upholstered seat version)

**Arms:**
- N/A

**Glides:**
- Polycarbonate

**Dolly:**
- 14 gauge tubing, 1” diameter
- Welded steel construction
- Hard casters are dual nylon, 2 lockable casters & 2 casters without locks

**Bookrack:**
- Engineered, injection-molded, lightly textured polypropylene tray
- Recyclable materials
- 6mm SAE 1010 steel wire
- Chrome plated

**Tablet:**
- Compact laminate
- 12 mm SAE 1010 chrome plated steel wire arm

**Ganging Connectors:**
- Polycarbonate

**Standard Shipping Cartons:**
- Double wall cardboard
- Recycled and recyclable
- 3” reinforced gum tape (recycled)
zone guest

FRAME:
• 1-1/2” x 7/8” oval tube, 16 gauge
• 7/8” round tube, 16 gauge
• epoxy powder coating

SEAT AND BACK:
• engineered, injection- molded, lightly textured polypropylene
• recyclable materials

ARMS:
• 30% glass-filled nylon

GLIDES:
• virgin polypropylene

DOLLY:
• 7/8” gauge tubing
• welded steel construction
• hard casters are dual nylon

BOOKRACK:
• 18 gauge steel
• epoxy powder coating

GANGLING CONNECTORS:
• nylon

STANDARD SHIPPING CARTONS:
• double wall cardboard
• recycled and recyclable
• 3” reinforced gum tape (recycled)
• 2 chairs shipped per box
aegis

FRAME:
• standard modular frame made of 16 gauge welded tubing

WEBBING:
• made of elastbelt “Green Line” type 450/S
• latex rubber 47%, polypropylene 53%
• total section mmq. 94.96
• tensile strength: 815 lbs.

FOAM:
VC grade foam is used. Colored block-form foam is used for seat and back.

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<td>2.4 - 2.5 min.lbs./cu.ft</td>
</tr>
<tr>
<td>IFD @ 25%:</td>
</tr>
<tr>
<td>47 - 57 lbs</td>
</tr>
<tr>
<td>Tensile Strength:</td>
</tr>
<tr>
<td>17 lbs./sq. in</td>
</tr>
<tr>
<td>Elongation:</td>
</tr>
<tr>
<td>120 min</td>
</tr>
<tr>
<td>Resiliency:</td>
</tr>
<tr>
<td>55% min</td>
</tr>
<tr>
<td>Flammability:</td>
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<tr>
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</tr>
<tr>
<td>Compression set at 90% max:</td>
</tr>
<tr>
<td>10%</td>
</tr>
<tr>
<td>Compression Modulus:</td>
</tr>
<tr>
<td>2.2 min</td>
</tr>
</tbody>
</table>

SIDE TABLE:
• surface is MDF, router-cut and shaped

STANDARD SHIPPING CARTONS:
• recycled foam used to protect product in box
• double wall cardboard
• recycled and recyclable
• 3” reinforced gum tape (recycled)
FRAME:

Seat
• 12 gauge steel frame with dymetrol flexible membrane

Back and Arms
• 12 gauge steel tubing

STORAGE SHELF:
• black polyester mesh

TABLET:
• diecast aluminum base
• surface as specified, see Fabrics & Finishes Program guide for details

CUP HOLDER:
• diecast aluminum base
• black rubber non-slip surface

CASTERS/GLIDES:
• 70 mm nylon hard casters for use on carpet
• optional soft casters for hard floors are polyurethane coated

SIDE PANELS:
• constructed of steel
• surface as specified, see Fabrics & Finishes Program guide for details

FOAM:
VC grade foam is used. Both molded polyurethane and colored block-form foam are used for seat and back

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<tr>
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<td>2.60 min.lbs./cu.ft</td>
<td>2.00 - 2.15 lbs./cu.ft</td>
</tr>
<tr>
<td>IFD @ 25%:</td>
<td>41 - 47 lbs</td>
<td>33 - 38 lbs</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>10 lbs./sq. in</td>
<td>10 lbs./sq. in</td>
</tr>
<tr>
<td>Elongation:</td>
<td>75% min</td>
<td>75% min</td>
</tr>
<tr>
<td>Recovery ratio:</td>
<td>45% min</td>
<td>45% min</td>
</tr>
<tr>
<td>Flammability:</td>
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<td>CAL 117</td>
</tr>
<tr>
<td>Compression:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set at 90% max:</td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td>Compression</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulus:</td>
<td>2.25 min. 2.25 min</td>
<td>2.25 min. 2.25 min.</td>
</tr>
<tr>
<td>Hysteresis Loss:</td>
<td>25% max.</td>
<td>25% max.</td>
</tr>
</tbody>
</table>
collaborative ottoman

MODULAR SEATING:

Seat:
- plywood construction
- available in round or square

Base:
- reinforced nylon scuff-resistant plastic
- 22” diameter

CASTERS/GLIDES:
- 37mm (1.5”) hard (carpet casters) reinforced nylon
- optional soft casters for hard floors are polyurethane coated nylon
- twin-wheeled and hooded
- 2” hard plastic glides
- soft glides have soft insert pads

FOAM:
VC grade foam is used. Colored block form foam is used for seat.

<table>
<thead>
<tr>
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<th>Seat:</th>
<th>Back:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Density:</strong></td>
<td>2.6 min. lbs./cu.ft</td>
<td>1.6 - 1.75 lbs./cu.ft</td>
</tr>
<tr>
<td><strong>IFD @ 25%:</strong></td>
<td>41 - 47 lbs.</td>
<td>16 - 22 lbs.</td>
</tr>
<tr>
<td><strong>Tensile Strength:</strong></td>
<td>10 lbs./sq. in</td>
<td>10 lbs./sq. in</td>
</tr>
<tr>
<td><strong>Elongation:</strong></td>
<td>75% min.</td>
<td>75% min.</td>
</tr>
<tr>
<td><strong>Recovery Ratio:</strong></td>
<td>45% min.</td>
<td>45% min.</td>
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<tr>
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<td><strong>Set at 90% max:</strong></td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td><strong>Compression:</strong></td>
<td>2.25 min.</td>
<td>2.25 min.</td>
</tr>
<tr>
<td><strong>Hysteresis Loss:</strong></td>
<td>25% max.</td>
<td>25% max.</td>
</tr>
</tbody>
</table>
MODULAR SEATING:

Seat:
• plywood construction

Back:
• constructed of 14 gauge steel
• welded and powder coated

Glides:
• black plastic with steel thread

Foam:
VC grade foam is used. Both molded polyurethane and colored blockform foam are used for seat and back

<table>
<thead>
<tr>
<th>Seat:</th>
<th>Back:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density:</td>
<td>2.6 min. lbs./cu.ft</td>
</tr>
<tr>
<td>IFD @ 25%:</td>
<td>41 - 47 lbs.</td>
</tr>
<tr>
<td>Tensile Strength:</td>
<td>10 lbs./sq. in</td>
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<tr>
<td>Elongation:</td>
<td>75% min.</td>
</tr>
<tr>
<td>Recovery Ratio:</td>
<td>45% min.</td>
</tr>
<tr>
<td>Flammability:</td>
<td>CAL 117</td>
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<tr>
<td>Set at 90% max:</td>
<td>8%</td>
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<tr>
<td>Compression:</td>
<td></td>
</tr>
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<td>Modulus:</td>
<td>2.25 min.</td>
</tr>
<tr>
<td>Hysteresis Loss:</td>
<td>25% max.</td>
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</tbody>
</table>

MODULAR TABLES:

Surface:
As specified, compact laminate or baltic birch plywood substrate with natural veneer or flintwood

Base:
• plywood construction

Base Frame:
• standard modular frame constructed of steel
• welded and powder coated

Glides:
• black plastic with steel thread

Foam:
VC grade foam is used. Both molded polyurethane and colored blockform foam are used for seat and back

| Density:   | 2.60 min. lbs./cu.ft |
| IFD @ 25%: | 41 - 47 lbs.         |
| Tensile Strength: | 10 lbs./sq. in |
| Elongation: | 75% min.             |
| Recovery Ratio: | 45% min.             |
| Flammability: | CAL 117             |
| Compression: |                    |
| Set at 90% max: | 8%                 |
| Modulus:   | 2.25 min.             |
| Hysteresis Loss: | 25% max.           | 25% max.             |
construction notes

ferrarra

FRAME:
• solid hardwood doweled construction
• Ferrarra arms are made of molded maple
• all other exposed wood is solid maple
• rubber webbing seat

FOAM:
• terylene covered high density block foam
Frame:

- Solid hardwood, doweled construction

Webbing:

- Made of Elasbelt "Green Line" type 450/S
- Latex rubber 47%, polypropylene 53%
- Tensile strength: 815 lbs.

Base:

- Standard modular frame made of 14 gauge welded square steel tubing
- Welded & chrome plated

Foam:

VC grade foam is used for seat and back

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**frame:**
- Standard modular frame made of 16 gauge welded square tubing
- Subframe assembly for seats is 1/8” metal angle iron and 1-1/2” x 1/2” 16 gauge tubing, welded and epoxy powder coated
- Seat frame made from 3/4” 16 gauge square tubing

**webbing:**
- Made of elasbelt “Green Line” type 450/S
- Latex rubber 47%, polypropylene 53%
- Tensile strength: 815 lbs.

**foam:**
VC grade foam is used. Both molded polyurethane and colored block-form foam are used for seat and back.

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**tray:**
- Surface is MDF, router cut and shaped
- Frame is cold rolled steel tube with plate, epoxy powder coated

**standard shipping cartons:**
- Recycled foam used to protect chair in box
- Double wall cardboard
- Recycled and recyclable
- 3” reinforced gum tape (recycled)
vignette swivel and lounge

FORFEITED SWIVEL:

Frame:
- molded plywood construction
Base:
- satin-chromed steel
- steel column
- glides are made of nylon and steel
Foam:
- high density block foam

COFFEE TABLES:

Surface:
- as specified, MDF, flintwood, natural veneer, marble, or corian
Base:
- satin-chromed steel
- glides are made of nylon and steel

LOUNGE:

Frame:
- plywood construction
Base:
- chromed steel
- glides are made of polypropylene
Foam:
- high density block foam