



The New Shape of Ergonomic Ingenuity.





# The Improvement

At some time as many as 80 percent of dental professionals suffer from pain in the lower back, neck and shoulders, together with related headaches. Studies show that one cause of these health problems is poor posture.

This pain not only impacts your ability to do your job, it can shorten your career.

Bambach Saddle Seat will make a dramatic improvement in your sitting/working position and vision, resulting in marked health benefits and extending your effective working life.

## Improve Performance, Job Satisfaction.

Fluid movement is created with natural, relaxed Bambach seating even while working on posterior teeth, doing extractions, viewing x-rays, performing oral surgery or reaching for the handpieces or instruments.

Because turning and moving is effortless, working with a dental assistant is made easier, resulting in enhanced dental team performance.

## Sit Down and Relax.

Your posture on the Bambach Saddle Seat is painless and practical. Your spine maintains its stress-free, natural S-shape – even when leaning over a patient – and you maintain the mobility you need for easy working.



## Traditional Dental Posture

*Sitting on a flat stool forces the spine into an unnatural C-shaped curve.*

*Unnatural spinal curvature increases stress on the discs which can lead to pain. The 4th and 5th lumbar discs are the "classic" trouble spots.*

*The ideal angle of the hips to the spine before causing undue stress is 45° to 50°. Sitting on a flat chair tends to bend the hips at 90° to the spine, causing it to deform into the "C" shape (right).*



## Reduces Headaches.

The Bambach Saddle Seat relieves stress on neck muscles and vertebrae, which can help reduce headaches.

## Eases Pain in Your Arms and Hands.

The natural posture promoted by the Bambach Saddle Seat eases pain in the arms and hands.

## Research Affirms: The Most Advanced Postural Care for Dental Professionals.

Nachemson's studies show that the stress on the spinal discs when seated in a conventional stool and leaning forward is approximately 85 percent greater

# nt is Dramatic.

## Bambach Perfect Posture



*The special shape of the Bambach Saddle Seat helps to preserve the natural curvature of the spine.*

*Maintaining the natural S-shape of the spine (left) means the discs are not put under undue pressure, helping to avoid back pain and related problems.*

*The hips are kept at the optimum angle of about 45° to the spine, so thigh and back muscles are at their most relaxed.*

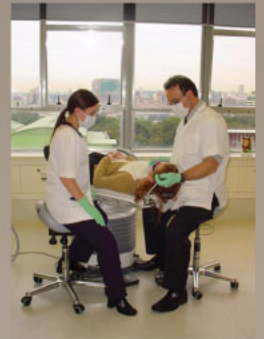
than standing. Dentists spend a large portion of their working day in this position. This huge amount of stress can, over time, accelerate degenerative changes in your discs' muscles and ligaments. The Bambach Saddle Seat allows the spine to maintain its natural curves so that the back is working under minimal stress.

"Complete balance between the front and back pelvic muscles can be maintained when the angle of the hips is 45 degrees" (Keegan). The ergonomic construction of the Bambach seat holds the pelvis in its neutral tilt, allowing the hips to rest in the recommended angle as well as maintaining muscular balance.

"Upper limb performance is enhanced by improved posture" (Houston and Michael — Ergonomic Society of Australia) leading to greater accuracy of hand function. This means more work with less effort. "The lumbar curve is maintained and a perfect balance position is obtained where the body adjusts its center of gravity" (Mandal).

## Here's Why and How:

The design of the Bambach Saddle Seat allows you to get in closer to your patient, so you don't need to lean over and outward so far.



At the same time, it allows you to hold your arms at a more natural angle and height. This reduces the work your neck and shoulders would normally have to do in supporting them. Your lower back will also have less strain put on it as it is held in its natural healthy curves.

The chair swivels, not you. The Bambach Saddle Seat has a swivel action so the amount of unnatural twisting that your spine has to do will be minimized. The seat's mobility allows you to move around the operatory as needed.

You can adjust your working height, allowing your arms to work at a more natural position. Therefore, the grip needed to hold your instruments steady for prolonged periods is more relaxed. Wrist and finger muscles experience less stress.

Finally, your legs now help support your back. Since your feet are in full contact with the floor, they help to support your trunk, putting less strain on your back muscles.



## Optional Accessories



*Classic with Back (Feather)*



*Classic Plus (Deep Sapphire)*



*Left/Right Arm Rest & Foot Ring (Cocoa)*



*Chrome Pistons*



*Chrome Base*



*Chrome Wheels*



*Foot Ring*

### Bambach Gas Cylinders

Short	(5.5" height)	G480023
Medium	(8" height)	G480024
Long	(10" height)	G480025

### Bambach Base

Terminal 5 Star	G480045
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### Bambach Wheels

Nylon	Hard	G480062
Urethane	Soft	G480063

### Bambach Foot Ring

Foot Ring	G480030
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### Bambach Arm Rest/Belly Bar

Right-handed / Left Arm	G480035
Left-handed / Right Arm	G480036

## Standard NaugaSoft Colors



**Fawn**



**Cocoa**



**Feather**



**Lake Louise**



**Deep Sapphire**



**Black Satin**

Please note:  
Fabric color swatches are as  
accurate as modern printing  
processes allow.

#790150C	#790154C	#790151C	#790155C	#790152C	#790153C	<b>Classic</b>
#790250C	#790254C	#790251C	#790255C	#790252C	#790253C	<b>Classic Plus</b>
#790350C	#790354C	#790351C	#790355C	#790352C	#790353C	<b>Classic w/ Back</b>
#790450C	#790454C	#790451C	#790455C	#790452C	#790453C	<b>Classic Plus w/ Back</b>

UltraLeather is available upon request for an additional cost

Bambach Classic, Classic w/Back, Classic Plus and Classic Plus w/Back - Special Order Colors available upon request:  
Blue Fog, Cabernet, Cream, Deep Sea, Doeskin, Harness, Ivy, Laurel, Mallard Blue, Mint Leaf, Mulberry, Rose Blush, Saddle, Soft White, Tapestry Red, Velvet Brown

## Technical Specifications

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**Seat:**           Padding is made from high memory foam  
                      Standard covering is surgical grade NaugaSoft

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**Weight:**        Approximately 20 lb. (9.1 kg)

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<b>Stool Height:</b>	Height of User
<input type="checkbox"/> Short	under 63" (under 160 cm)
<input type="checkbox"/> Medium	63"-72"   (160 - 180 cm)
<input type="checkbox"/> Tall	over 72"   (over 180 cm)

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**Wheels:**       ☐ For Hard Floors  
                     ☐ For Carpet

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**Base:**          ☐ Chrome

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*Bambach Classic Plus  
(Fawn)*



*Bambach Classic  
with Back (Black Satin)*

## Trust the Research.

For a complete listing of References, Research Papers, Research Presentations, and Articles on the Bambach Saddle Seat, please contact Hager Worldwide.



AUSTRALIAN PHYSIOTHERAPY ASSOCIATION



## More Ergonomic Products from Hager Worldwide



### Comfort Dreams

These patient relaxation headphones provide patient comfort and dentistry without stress for a small investment. Stereo headphones can be used with MP3 players, mobile phones and other audio devices through a standard 3.5 mm input cable. Headphones feature Volume Management Technology which manages output volume up to 82 dBA. They also feature reinforced slides with handhold adjustment of headband and a noise reduction rating (NRR) of 25. Headphones come complete with 10 pairs of Comfort Pads (ear cushion/foam inserts).

#### Hager Comfort Dreams Headphones offer:

- Eliminates high decibel sound of Ultrasonic Scaler or High Speed Handpiece
- Increases patient comfort
- Creates a spa-like comfortable feeling
- Completely disinfectable without damaging headphones
- Fits any audio device
- Padded ear protection for greater patient comfort
- Includes Comfort Pads to eliminate cross contamination or makeup transfer

355875 — Comfort Dreams with 10 pairs of Comfort Pads

355876 — Comfort Pads - Hygiene Dispensing Kit with (100 pairs) of Ear Cushions/Foam Inserts

355877 — 3.5 mm Replacement Audio Cable



### ErgoVac HVE handpiece

Ergonomic ingenuity enables the Ergo-Vac HVE handpiece to relieve awkward wrist and hand positioning while suctioning. With the tip at a 110° angle to the handpiece, you enjoy a more neutral hand/wrist posture and reduced hand and arm fatigue. Plus, Ergo-Vac provides the dentist with improved access to the work area.

#### Ergo-Vac also features:

- One-handed operation thanks to convenient finger-tip lever
- 360° rotating coupling prevents hose from turning or kinking
- Quick disconnect for easy cleaning and autoclaving
- Swivel or stationary head

B11171 — w/ ½" (12.7 mm) Swivel Tubing Adapter

B11181 — w/o ½" (12.7 mm) Swivel Tubing Adapter

B11180 — Combo Kit, (3) Handpieces & (1) Swivel Adapter

B11171S — Stationary Head w/ Swivel

B11181S — Stationary Head w/o Swivel

B11180S — Stationary Combo Kit (3) Handpieces & (1) Swivel Adapter



### Hager Comfort Fit Magnifiers

Comfort Fit Reading Magnifiers offer the best in comfort, protection and style in five magnification strengths. These are an excellent choice for dental professionals needing increased magnification for close-up inspection, fine detail work and reading smaller print.

#### Hager Comfort Fit Reading Magnifiers offer:

- Magnifier incorporated in lens
- Adjustable temple positions diopter in proper location for better fit
- Anti-scratch and Anti-fog coating
- Available in multiple diopter strengths

355853 — Black/Silver — + 1.0 Diopter Strength

355855 — Black/Silver — + 1.5 Diopter Strength

355857 — Black/Silver — + 2.0 Diopter Strength

355859 — Black/Silver — + 2.5 Diopter Strength

355861 — Black/Silver — + 3.0 Diopter Strength



[www.hagerworldwide.com](http://www.hagerworldwide.com)

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Email [contact@hagerworldwide.com](mailto:contact@hagerworldwide.com)