

**BAULTAR**  
DURABLE SOLUTIONS



mason grogan  
**INDUSTRIAL**  
SPECIALIST MATERIALS FOR DESIGN ENGINEERS

# OPERATOR SEAT

3000 SERIES | 4000 SERIES



SOLUTIONS FOR TRAINS

# THE 4000 SERIES

## IDEAL FOR WIDE BODY LOCOMOTIVES

### DURABILITY

Baultar Seats have helped to build the Baultar reputation as the provider of highly durable products. The latest 4000 series lives up to the reputation as well as they incorporate a range of innovative ideas for easy installation and maintenance. This reduces logistics costs for the satisfaction of all customers.

- Seat is mechanically actuated; stronger than Seats actuated using electrical or pneumatic systems
- Functional free play has been reduced to the maximum thus providing noise free operation
- Cushions are upholstered with heavy duty fabric, vinyl or leather
- Upholstery options all feature excellent resistance to cold weather cracking
- Structural elements have all been severely tested by an approved laboratory to a million cycles
- To be used as a main crew seat
- Rattle proof in operation
- Highly Robust construction
- Modularity:
  - Various Mounting Options can be added even after Seats have been commissioned in a vehicle
  - Seats can be adapted to the latest industry standards
  - Seat maintenance is very simple



# COMFORT AND ERGONOMICS

The 4000 seats developed by Baultar have been developed for operators who, by the nature of their work must sit for long periods between rest breaks. After a long days work, operators can feel the comfort benefits of our seat features without the usual muscle soreness.

- Comfort for the long term
  - No pressure points in the cushions due to our upholstery design plan
  - An elastic seat raising system avoids transmission of shocks and impacts transmitted through the Cab Floor
- Helps to maintain good posture
  - Optimal orientation of the pelvis for a better lumbar support and comfort
  - Seat backrest meets the body's natural curvature
  - Most operator accessible controls are in proprioception
- Adapted to all crew sizes from 5<sup>th</sup> percentile female to 95<sup>th</sup> percentile male
- Minimum seat height has been developed to meet the latest industry standards



Seat Longitudinal & Bottom Cushion depth adjustments



Seat height and Bottom Cushion incline adjustments



Backrest incline



Seat rotation



Footrest



Wall Mounted Track

# THE 3000 SERIES

## IDEAL FOR GP38-2 STYLE LOCOMOTIVES (STANDARD CABS)

These premium seats distinguish themselves by their robust construction and provide effective comfort to Locomotive and Rail Vehicle operators. They represent a cost-effective solution because of their durability and low life-cycle cost. The 3000 seats with available options, will respond optimally to all Rail operation needs, even to the most demanding! This crew seat series has always provided satisfactory results.



## THE 3500 SEAT

- Minimal height of 18.5 in with an adjustment range of 4.3 in
- Its small footprint allows it to be used as a third seat or as a main crew seat in standard cabs
- Rattle proof in operation
- Highly Robust construction
- Cushions are upholstered with heavy duty fabric, vinyl or leather



Rotation and height of the seat



Seat Pan adjustment Length





Backrest incline



Wall Mounted Track



Footrest



Floor Mounted Pedestal

## THE 3300 SEAT

The most compact Baultar seats for drivers. For installation in reduced areas, this choice represents an ideal solution.

- Minimal height of 18.5 in with an adjustment range of 4.3 in
- Its smaller footprint allows it to be used as a main crew seat in smaller cab areas
- Rattle proof in operation
- Highly Robust construction
- Cushions are upholstered with heavy duty fabric, vinyl or leather



# ADJUSTING AND POSITIONING

Baltar rises to the challenge of proving adaptations for its comfortable seats in almost every type of cab, from the most spacious to the most confined ones. These seats offer a range of positioning options in addition to the other possible adjustments to optimize operator mobility. Various options can be selected according to each cab configuration.

| OPTION   | 3300 SEAT              | 3500 SEAT              | 4000 SEAT    |
|--|------------------------|------------------------|--------------|
| Flexible configuration of rotation stoppers                  | No                     | No                     | Yes          |
| Continuous height adjustment range                           | Yes                    | Yes                    | Yes          |
| Base installed on the floor or on a rail affixed to the wall | Yes                    | Yes                    | Yes          |
| Longitudinal adjustment                                      | Continuously on 7.5 in | Continuously on 7.5 in | Up to 8.3 in |
| Seat depth adjustment  | 3-¾ in                 | 3-¾ in                 | 4 in         |
| Backrest incline adjustment                                  | 85° on 115°            | 85° on 115°            | 90° on 120°  |
| Adjustable footrest height                                   | Yes                    | Yes                    | Yes          |
| Foldable armrests, adjustables at the factory                | Yes                    | Yes                    | Yes          |
| Fixed headrest   | No                     | Yes                    | Yes          |
| Incline and height adjustment of the headrest                | No                     | No                     | Yes          |
| Adjustment of the seat incline                               | No                     | No                     | 1° on 10°    |
| Fore-aft slide pan   | Yes                    | Yes                    | Yes          |
| Side-to-side slide pan                                       | Yes                    | Yes                    | No           |
| Double axial slide pan                                       | Yes                    | Yes                    | No           |

# OUR OTHER PRODUCTS

## RETRACTABLE SEAT

The Retractable Seat is used as a third seat in the cabin. It folds to maximize cabin space while remaining very comfortable.

## FOLDING SEAT WITH BACKREST

A hybrid between the Folding and the Retractable seats. It includes a front seat and backrest, and automatically flips vertically between each use.



## FOLDING SEAT

The Folding Seat has a bottom cushion without a backrest. Wall mounted, it automatically flips vertically between each use. It is ideal for small cabins.



# ASK US

The Baultar team will support you at all stages of your project, from choosing the solution that best fits your needs to its integration in the vehicle. Baultar is always open to new developments to optimally meet our customers' needs.

# CONTACT US

For almost 30 years, Baultar has developed and produced a range of products specially designed for the freight and mass transit industry. All our products, including flooring solutions, has been subjected to an exhaustive number of laboratory tests and therefore allows maximum conformity to the most stringent market needs.



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