



OPERATOR SEAT

3300 SERIES | 3500 SERIES

Heavy duty operator seats,
designed for the **freight industry**.
Ideal for locomotives cabs.



OPERATOR SEAT

3300 SERIES | 3500 SERIES

BAULTAR
DURABLE SOLUTIONS

www.baultar.com | mkt@baultar.com
355 Parc-Industriel Street
Windsor, Québec Canada J1S 3A9
T (1) 819 845-7110 F (1) 819 845-5600

mason grogan
INDUSTRIAL
SPECIALIST MATERIALS FOR DESIGN ENGINEERS

www.grogangroup.com | salesmg@grogangroup.com
108 - 110 Carnarvon Street
Silverwater, Australia NSW 2128
T (02) 9748 3838 F (02) 9748 2525

Standard features

Cushion Upholstery	Black 100% polyester fiber, water & stain repellent	
Cushion Foam	Polyurethane Multi-density	
Armrest cushion top padding	Black 100% PVC fiber with 100% Polyester backing	
Armrest contour upholstery	Black 100 % Nylon fiber	
Protective shells on backrest corners and armrests	ABS nominal thickness 0.125" [3 mm]	
Structure	0.1" [2,5 mm] wall thickness tubular steel construction ASTM-A500 Grade B	
Structural bolts	Grade 8 (SAE J429)	
Paint	Polyester black powder-baked for structural components, zinc plating or E-coat for others.	
Raising and backrest mechanism	Gas spring cylinder	
Weight (average weights depending on exact configuration)		w/o footrest
	Pedestal mounted	110 lb [50 kg]
	with footrest	150 lb [68 kg]
	Wall mounted	160 lb [72 kg]
		180 lb [82 kg]

Ergonomics & modularity

Available Configurations		Pedestal mounted or Wall-Mounted	
General dimensions & adjustments - Inches [mm]			
All dimensions for reference purpose only			
		3300	3500
Backrest Cushion	Thickness	~ 3 [76]	~ 3-½ [89]
	Height	20-½ [521]	21-½ [545]
	Width	15-½ [394]	17 [430]
	Tilt ³	85° to 115°	
Bottom Cushion	Thickness	~ 4 [127]	
	Length	16 [406]	17 or 19 [430 or 480]
	Width	18-¾ [476]	
	Angle	4°	
Pan Depth Adjustment ^{1,5}		3-¾ [95]	
		by increments of 3/16 [4.75]	
Armrest Cushion	Thickness	1-½ [38]	
	Width	3 [76]	
	Height	8 [205]	
	Length	Min. 9 [230] (Backrest tilt: 90°) Max. 12 [305] (Backrest tilt: 115°)	
	Lateral Spacing	19 [485]	
	Fold up ²	0° to 90°	
Rotation ^{1,3} (friction lock)		0° to 360° with or w/o friction lock	
Seat Height Adjustment ³		4-¾ [121]	
Seat Minimum Height			
Pedestal Mounted		18-¾ [476]	
Wall Mounted		19-½ [495]	
Tripod Fore-Aft Travel ¹ (Wall Mounted configuration)		37-½ , 20-½ or 15-½ [952, 521 or 394]	
Seat Fore-Aft Travel ^{1,3}		7-¼ [184]	
Side-to-Side Travel ^{1,3}		6-⅞ [156]	
Footrest Tilt ^{1,3}		0° to 48°	
Rotation ¹		0° to 180°, 30° increments	
Headrest Height ^{1,5}		12-3/16 [310]	
Width ^{1,5}		11-1/8 [283]	

Durability

Cushion (APTA SS-C&S-011-99 section 9.1 on bottom cushion only)	200,000 jounce cycles No loss of height No wear or signs of failure
Armrest (contour only) (ASTM D4157/ACT)	250,000 cycles Heavy duty rated (30,000 double rub)
Protection against corrosion (ASTM D1654 class 6 min.)	1,500 hours for all Polyester black powder-baked painted parts 2,000 hours for E-coat parts

Safety

Fire (upholstery) (in option, material to meet 49 CFR 238, App. B)	FMVSS 302
Fire (foam)	FMVSS 302 California TB 117
Smoke (upholstery)⁴ (Seat and backrest only) (ASTM E662 and 49 CFR Part 238 App.B for criteria)	Ds (4.0) ≤ 200

Loads^{4,6}
(AAR RP-5104 - Section 3.1, 3.2 & 3.3)
(All static loads for testing purpose only, not for service use)

	Permanent deformation ≤ ¼" [3mm]	Load
Armrests	≤ ¼" [3mm]	400 lb [1,780N]
Seat cushion	None	400 lb [1,780N]
Rotation	None	150 lb [667N]
Backrest	None	250 lb [1,112N] @1.5G
	≤ 2" [51mm]	250 lb [1,112N] @3G

Load for Service Use:	350 lb (maximum recommended)
Seat replacement:	Recommended after 12 years.
Maintenance:	Seat must be maintained according to Baultar instruction sheet IT22-8010

Cleaning

Structure	Mild soap and water
Upholstery (Cleaning code WS)	For water based stains, use mild detergent foam or upholstery shampoo. For oil based stains, spot clean with a dry cleaning solvent being sure to test area first.

- ¹ Available in option
² Armrest Fold up independent from Backrest Tilt
³ Infinitely adjustable
⁴ Test by certified laboratories
⁵ 3500 only
⁶ Tested on 3500 seat

Baultar certifications

Welding	CSA 47.1
Quality Management	ISO 9001-2008