FSA /FSAD & LFC/LRC
Heavy Duty Operator Armchair System

FSA   Fixed base, flip-up consoles
FSAD  Rotating base, flip-up consoles
LFC   Fixed base, fixed consoles
LRC   Rotating base, fixed consoles

Construction:
The FSA/FSAD & LFC/LRC is a heavy duty seating system that allows integration of seat and controls with many standard adjustments. The consoles can be populated with a variety of J.R. Merritt controllers along with 30.5mm pilot devices. This design utilizes smaller consoles, which makes it ideally suited for average to smaller size cabs. The versatile design and 270° turning radius allow the system to fit in numerous applications. The FSA/FSAD & LFC/LRC offers a balance of adjustments and ruggedness for most stationary and rail crane seat system applications. Many OEM’s have chosen this as their standard seat system for overhead cranes.

Application:
Used on cab operated cranes, pulpits, mining dredges, draglines, drills, and maintenance of way equipment.

Features
• Full body, contoured Grammer Actimo seat
• Ultra tough nylon velour upholstery
• Adjustable backrest, fore and aft
• Mechanically adjustable lumbar support
• Seat cushion tilt and fore/aft adjustments
• Document pouch
• Dual seat and console slide system allows the consoles and seat to slide together or the seat to slide independently of the consoles
• Mechanical 4-step suspension: Full hydraulic and spring dampened system with “Dial in” weight compensation, incremental height adjustment and seat height lift assist system
• Tilt, vertical and horizontal adjustable armrests
• Hinged, tilting consoles can also be flipped back for operator entrance and exit from the chair (FSA/FSAD)
• Ball bearing rotating base up to 270° (FSAD/LRC)
• Heavy-duty steel construction with a powder coat finish

Options
• Vinyl upholstery
• Adjustable headrest
• Pneumatic suspension
• Fixed Base
• Motorized seat adjustments
• Footrest
• Floor slide for 24” total travel fore and aft or laterally
• Wiring and other custom options and accessories available upon request

Model FSAD shown with optional VNSO controllers, NSO-0 Rotary switch, 30.5mm control devices and adjustable headrest.

For detailed information about the seat’s benefits, features, and options see Actimo literature.
This document is for sales clarification only. Some options may not be drawn to scale. This is a generic representation of a custom built product. Design and dimensions are subject to change. Please consult factory if dimensions are critical or if a certified drawing is required.

**Suspension Details**

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>1st POS</th>
<th>2nd POS</th>
<th>3rd POS</th>
<th>4th POS</th>
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</thead>
<tbody>
<tr>
<td>MECH 3 STEP</td>
<td>50-150 Kg</td>
<td>8.8&quot; [226.6]</td>
<td>8.0&quot; [203.2]</td>
<td>8.1&quot; [205.7]</td>
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<tr>
<td>MECH 4 STEP</td>
<td>50-140 Kg</td>
<td>8.1&quot; [205.7]</td>
<td>7.8&quot; [198.1]</td>
<td>8.4&quot; [213.4]</td>
</tr>
<tr>
<td>PNEUMATIC</td>
<td>50-150 Kg</td>
<td>AUTO TO 7.8&quot; [198.1]</td>
<td>ADJUST +/- 0.07&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions are for reference only (subject to weight compensation adjustment). Pneumatic suspension requires customer supplied 12VDC/9A or 24VDC/7.5A power supply. Providing optional.

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**Optional Console Switches**

- 9" [226.6]
- 12" [304.8]

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**Suspension (See Chart)**

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**Standard Console Sizes**

- 6" [152.4]
- 9" [226.6]
- 12" [304.8]

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**Base Mounting Points**

- 0.56" [14.3]
- 1.13" [28.6]
- 14.88" [377.8]
- 16.97" [426.6]
- 18.04" [458.2]

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**Full Body Contoured Suspension Type Seat System**

Finished in Black Powder Coat Paint

(Approximate Weight 300lbs)

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**Headrest Tilt Angle**

- 30° [30.4]
- 13° [33.0]
- 4° [10.2]

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**Backrest Adjustment**

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**Suspension Switches**

- Front Console Cover Latch
- Rear Console Cover

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**Chassis Terminal Blocks:**

- 0-2 positions (optional)
- #15 [381.0] Customer conduit entry (right seated side)
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Full Body Ovewer Suspension Type Seat System
(Assumed in Black, Consult Com. thru)
(Approximate weight: 300 lbs.)

Chair Back Mounting Detail

Front of Chair

Chair Back Width: 14.88" [377.8]

Chair Back Height: 16.83" [427.6]

Chair Back Height: 0.98" [24.9]

Chair Back Depth: 2.44" [61.9]

Full Chair Height: 42.0" [1067.8]

Chair Width: 21.5" [546]

Chair Depth: 9" [228.6]

Dimensions are for reference only (subject to weight compensation adjustment).

Pneumatic suspension requires customer-supplied 110VDC/60 or 240VAC/50.

Power supply provided optional.

J.R. MERRITT CONTROLS, INC.
STRATFORD, CT 06615

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