MERRITT ULTRA OPERATOR CHAIR SYSTEMS
FORMERLY SV1C

The MERRITT ULTRA consists of a rigid, heavy duty construction and oversized consoles to house a multitude of joysticks, controllers, and pilot devices.

FEATURES
- Rotating or fixed base with customizable, oversized consoles
- Heavy-duty steel construction with beige powder coat finish
- A range of seat adjustments for positioning flexibility
- Vertical adjustable, console-mounted armrests
- Mechanical or pneumatic suspension
ADJUSTABILITY

1 ARMRESTS
Features vertical adjustable console-mounted armrests.

2 BACKREST
Seat backrest reclines backward & folds forward.

3 HEADREST
Features tilt & height adjustment.

4 SEAT SLIDE
Seat slides forward and backward independently of control consoles.

5 CONSOLES
Fixed, oversized consoles with flat or forward sloping covers. Optional console slide adjustment available.

6 ROTATION
Optional system rotation up to 270°. Available with pin lock or friction brake locking.

7 SUSPENSION
Mechanical or pneumatic options available with height, weight compensation, & shock absorption adjustments.
## BASE OPTIONS

<table>
<thead>
<tr>
<th>ROTATING BASE</th>
<th>FIXED BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire system rotates up to 270 degrees</td>
<td>Fixed system with no rotation</td>
</tr>
</tbody>
</table>

### ROTATING BASE TYPE

<table>
<thead>
<tr>
<th>FRICTION BRAKE</th>
<th>PIN LOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>System holds throughout 270° of travel.</td>
<td>4 locking positions (every 90°). Positions can be customized to your specifications.</td>
</tr>
</tbody>
</table>

### FIXED BASE TYPE

Accommodates up to 150 terminal blocks

Rotating base with friction brake rotation and optional 2-piece footrests
## MECHANICAL

### MECHANICAL SUSPENSION FEATURES
- Mechanical weight adjustment (up to 285 or 400 lbs).
- Height adjustment of 2.8 in (3-step only).

<table>
<thead>
<tr>
<th>PART #</th>
<th>WEIGHT UP TO</th>
</tr>
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<tbody>
<tr>
<td>07.531</td>
<td>285 LB [130 KG]</td>
</tr>
<tr>
<td>70.465</td>
<td>400 LB [180 KG]</td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>PART #</th>
<th>WEIGHT UP TO</th>
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<tr>
<td>07.803</td>
<td>375 LB [170 KG]</td>
</tr>
<tr>
<td>70.327</td>
<td>485 LB [220 KG]</td>
</tr>
</tbody>
</table>

## PNEUMATIC (AIR)

### PNEUMATIC SUSPENSION FEATURES
- Automatic weight adjustment and positioning system that eliminates the process of manually setting the seat to the operator’s weight.
- Adjustable shock absorption level that is ideal for machinery with rugged operations and/or conditions.
- Fore / aft isolator that reduces jolts / vibration and allows horizontal shock absorption.

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<td>07.803</td>
<td>330 LB [150 KG]</td>
</tr>
<tr>
<td>70.465</td>
<td>400 LB [180 KG]</td>
</tr>
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<td>07.861</td>
<td>375 LB [170 KG]</td>
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Specifications and weights are subject to change.
ACTIMO SEAT

STANDARD FEATURES
- Ultra-tough velour or vinyl upholstery
- High backrest for optimum back and side support
- Contoured cushion design for increased comfort
- Field replaceable cushions (backrest and seat)
- Document pouch

ADJUSTMENT FEATURES

BACKREST RECLINE & COLLAPSE
Features 80° backrest recline adjustable in 2° increments & the ability to fold forward for transportation and service.

LUMBAR SUPPORT
Mechanically controlled lumbar support that adjusts the curvature & height of the backrest cushion.

HORIZONTAL SEAT SLIDE
8” of horizontal forward & backward seat movement. 16” of slide travel available as option below.

SEAT CUSHION DEPTH & TILT
Adjusts forward 2.4” in 5 increments. Also tilts 3° - 11° in 4 increments to reduce thigh pressure.

SEAT OPTIONS

ADJUSTABLE HEADREST
(VELOUR) PART #: 07.693
(VINYL) PART #: 07.964

ADDITIONAL SEAT SLIDE (16”)
PART #: 07.751

OPERATOR PRESENCE SWITCH
(12V) PART #: 70.245
(24V) PART #: 70.244

LAP SEAT BELT
PART #: 12.020

SEAT-MOUNTED ARMRESTS*
(LEFT-HAND) PART #: 07.711
(RIGHT-HAND) PART #: 07.712

LAP SEAT BELT WITH ELECTRICAL CONTACT
PART #: 12.015

*As an alternative to the standard console-mounted armrests
### Consoles Width

<table>
<thead>
<tr>
<th>Width</th>
<th>Devices Allowed</th>
</tr>
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<tbody>
<tr>
<td>9”</td>
<td>Allows for 13 devices &amp; 1 joystick</td>
</tr>
<tr>
<td>12.5”</td>
<td>Allows for 24 devices &amp; 1 joystick or 22 devices &amp; 2 (1-axis) joysticks</td>
</tr>
<tr>
<td>13.5”</td>
<td>Allows for 27 devices &amp; 1 joystick or 23 devices &amp; 2 joysticks</td>
</tr>
<tr>
<td>15”</td>
<td>Allows for 33 devices &amp; 1 joystick or 31 devices &amp; 2 joysticks</td>
</tr>
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</table>

*22 mm pilot devices available upon request

### Consoles Options

**Joysticks & Controllers**
- Multi-Axis Joysticks
- Single Axis Controllers
- Rotary Switches
See the full range at jrmerritt.com

**30.5 mm® Pilot Devices**
- Push Buttons
- Illuminated Push Buttons
- E-Stops
- Selector Switches
- Indicator Lights
- Alarms / Buzzers

**Louvres**
Plastic louvers for console ventilation

**Sliding Consoles**
Forward & backward horizontal console slide adjustment

**Sloped Covers**
Forward sloped console covers (13.5” or 15” only)

**Stainless Covers**
Stainless steel console covers for marine applications

Maximum number of console devices will vary based on device type and joystick drive orientation.
# Foot & Floor Slides

## Footrests

<table>
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<tr>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>2-piece fixed</td>
<td>2-piece fixed footrest shown</td>
</tr>
<tr>
<td>1-piece fixed</td>
<td>Platform-style, diamond plate footrest that rotates with system</td>
</tr>
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## Foot Pedals

J.R. Merritt heavy-duty foot pedals are designed with rugged, sealed construction, and are suitable for precise control in high duty cycle applications.

### Available in:
- Proportional
- Step
- On/Off

### 2-piece fixed
- Step or proportional control. Learn more at [jrmerritt.com](http://jrmerritt.com)

### 1-piece fixed
- On/off control. Learn more at [jrmerritt.com](http://jrmerritt.com)

## Floor Slides

Floor slides can optimize installation space and provide improved usability for various operational tasks. J.R. Merritt Controls floor slides are stainless steel and feature quick release adjustment that allow for slide operation while seated.

### Standard features:
- 24” of slide travel*
- 24VDC solenoid lock

#### 24” (Standard)
- Floor slide with 24” travel and 24VDC solenoid lock

*Custom length floor slides available upon request

Specifications are subject to change.
Suspension dimensions are subject to weight compensation adjustment. The above specifications are a generic representation of a custom built product and are for sales clarification only. Contact us if dimensions are critical or if a certified drawing is required.

*ONLY APPLIES TO MODELS WITH ROTATING BASE

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<td>Pneumatic (Air)</td>
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All dimensions in inches [mm] and are subject to change.
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Other potentiometers available upon request.

9” CONSOLE

LEFT CONSOLE
SHOWN WITH 2-AXIS JOYSTICK

RIGHT CONSOLE
SHOWN WITH 1-AXIS CONTROLLER

*Outline represents joystick drive with 5 contact blocks or 2 contact blocks with a potentiometer or encoder

All dimensions in inches [mm] and are subject to change.
12.5” CONSOLE

LEFT CONSOLE
SHOWN WITH 2-AXIS JOYSTICK

RIGHT CONSOLE
SHOWN WITH 1-AXIS CONTROLLER

*Outline represents joystick drive with 5 contact blocks or 2 contact blocks with a potentiometer or encoder

All dimensions in inches [mm] and are subject to change.
13.5” CONSOLE

LEFT CONSOLE
SHOWN WITH 2-AXIS JOYSTICK

RIGHT CONSOLE
SHOWN WITH 1-AXIS CONTROLLER

*Outline represents joystick drive with 5 contact blocks or 2 contact blocks with a potentiometer or encoder

All dimensions in inches [mm] and are subject to change.
LEFT CONSOLE
SHOWN WITH 2-AXIS JOYSTICK

RIGHT CONSOLE
SHOWN WITH 1-AXIS CONTROLLER

*Outline represents joystick drive with 5 contact blocks or 2 contact blocks with a potentiometer or encoder

All dimensions in inches [mm] and are subject to change.