

MERRITT ULTRA

The Merritt Ultra (formerly SV1C) consists of a rigid, heavy duty construction and oversized consoles to house a multitude of joysticks, controllers, and pilot devices. The heavy duty operator chair system also features a range of manual seat adjustments for positioning flexibility.

SPECIFICATIONS

GENERAL DATA

Unique Features	- Highly rugged design - Oversized consoles for large number of devices
Console Width	9", 12.5", 13.5" or 15" Forward sloping consoles also available in 13.5" and 15" sizes
Max Number of Devices	<i>9" Console</i> Up to 13 devices and 1 joystick <i>12.5" Console</i> Up to 24 devices and 1 joystick or 22 devices and 2 (1-axis) joysticks <i>13.5" Console</i> Up to 27 devices and 1 joystick or 23 devices and 2 joysticks <i>15" Console</i> Up to 33 devices and 1 joystick or 31 devices and 2 joysticks
Seat Options	Actimo Seat (Velour or Vinyl) <i>Options</i> - Armrests with tilt and height adjustments - 2-point retractable seat belt - 4-point shoulder harness - Operator presence switch
Suspension Options	<i>Mechanical Suspensions</i> - 3 Step (weight up to 285 lbs) - Heavy Duty (weight up to 400 lbs) <i>Pneumatic (Air) Suspensions</i> - Standard (weight up to 330 lbs) - Wide (weight up to 375 lbs) - Heavy Duty (weight up to 485 lbs)
Armrest Type	Console mounted armrests with height adjustment.
Footrest Option	- 2-piece fixed footrest - 1-piece (platform-style) fixed footrest
Est. Shipping Weight	490 lbs.
Est. Shipping Dimensions	60 in. x 45 in. x 52 in.

ADJUSTMENT FEATURES

System Rotation	Optional, up to 270 degrees
System Height	✓
System Tilt	✗
Consoles Slide Forward/Backward	Optional
Consoles Tilt	✗
Consoles - Slew In/Out	✗
Armrests - Height	✓
Armrests - Tilt	✗
Armrests - Slide Forward / Backward	✗
Seat - Slide Forward / Backward	✓
Seat - Recline	✓
Seat - Lumbar	✓
Footrest - Height / Tilt	✗

TECHNICAL DATA

Rotation Optional	270 degrees max with pin lock or friction brake
	<i>Pin Lock</i>
	4 locking positions (every 90 degrees). Positions can be customized to your specifications.
	<i>Friction Brake</i> System holds throughout +/- 135 degrees of travel.

System with 9" Consoles
23.4" [594 mm]

System with 12.5" Consoles
26.7" [678 mm]

System with 13.5" Consoles
27.3" [693 mm]

Max Turning Radius

System with 13.5" Forward Sloped Consoles
28.1" [715 mm]

System with 15" Consoles
28.7" [729 mm]

System with 15" Forward Sloped Consoles
29.5" [748 mm]

Slide Range 8" [203 mm] single seat slide range
16" [406 mm] dual seat slide range (optional)

Armrest Adjust Range Height: 3.5" [75 mm]

Console Adjust Range 8" [203 mm] console slide range (optional)

Backrest Recline *Actimo Seat*
80 degrees
46 degrees with 4-point shoulder harness

Seat Cushion Adjust Range *Actimo Seat*
Depth: 2.4" [60 mm] in 5 increments forward
Tilt: 3-11 degrees in 4 increments

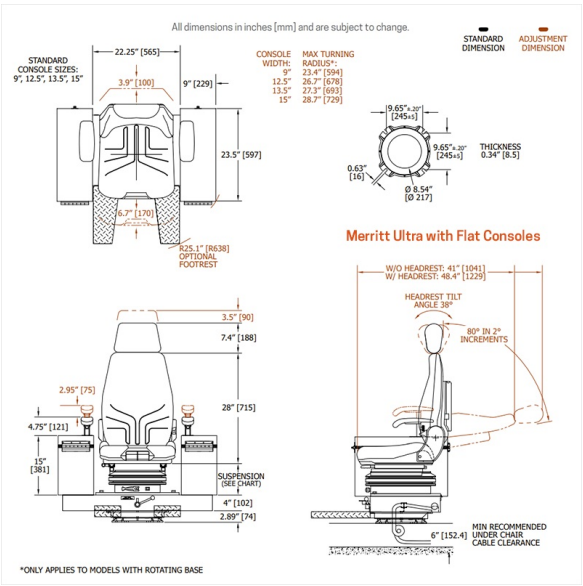
Headrest Adjust Range *Actimo Seat*
Height adjustment: 3.5" [90mm]
Tilt: 38 degrees

Under Chair Cable Clearance 6" [152.4 mm] Min

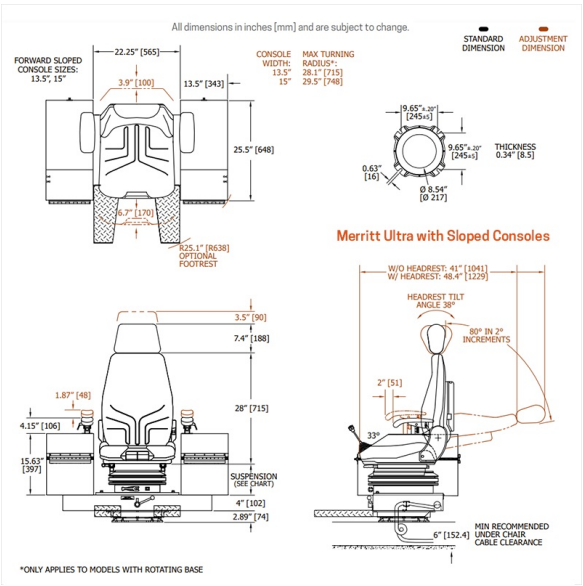
Additional Specifications Reference product literature for additional specifications and options

Technical Drawings

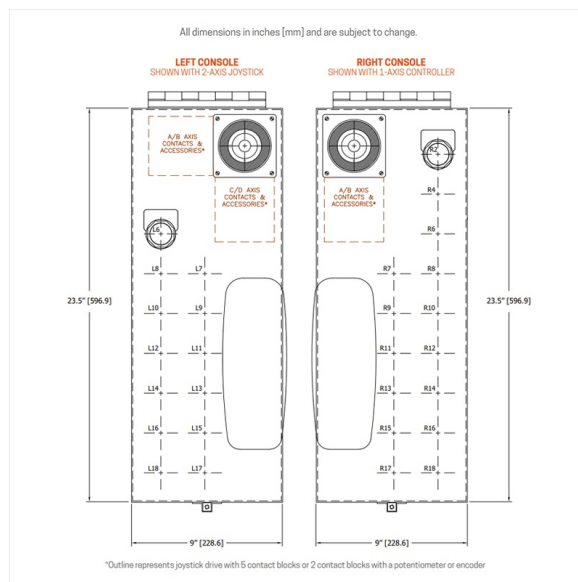
Dimensional



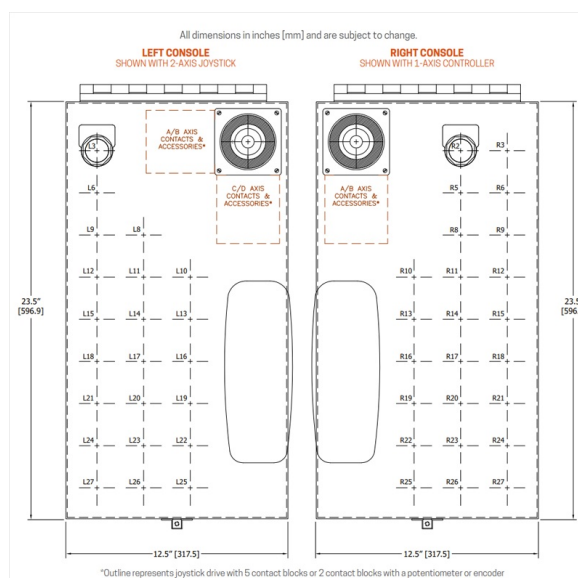
Flat console model dimensions



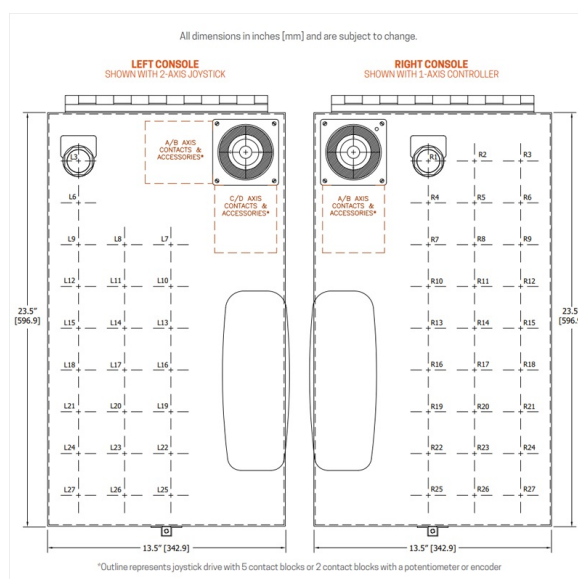
Sloped console model dimensions



9 inch console standard layout

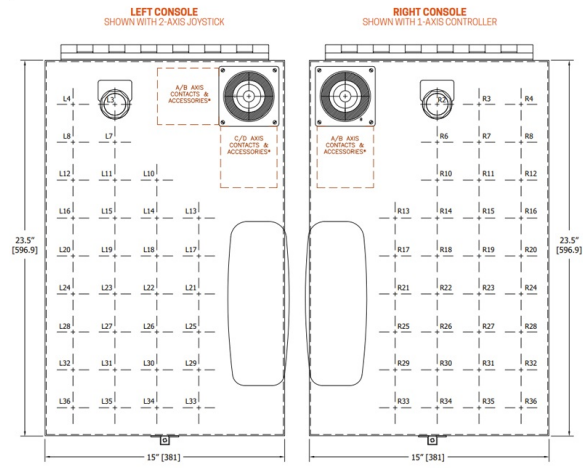


12.5 inch console standard layout



13.5 inch console standard layout

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



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

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15 inch console standard layout