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DAKTRONICS RTN-3020 Series Section Weights and Lifting



Specifications

- **Pixel Pitch:** 3.9 mm & 5.9 mm, 10 mm
- **Modules High x Modules Wide:**
 - 2 x 1, 2 x 2, 2 x 4, 2 x 6, 2 x 8, 2 x 10, 2 x 12
 - 3 x 1, 3 x 2, 3 x 4, 3 x 6, 3 x 8, 3 x 10, 3 x 12
 - 4 x 1, 4 x 2, 4 x 4, 4 x 6, 4 x 8, 4 x 10, 4 x 12

Product Usage Instructions

Lift Eye Installation:

M12 lift eyes are supplied with the installation hardware. Install the lift eyes with the hole parallel to the display face. The beverage shroud must be opened or removed to access the lift eye locations.

Acceptable Lifting Methods:

- **Primary Lifting Connection:**
 - X: N/A, Y: N/A, L: N/A
- **Alternate Method:**
 - X: Varies based on display width, Y: Varies based on display width, L: Varies based on display width

Recommended Lifting Method:

Refer to the provided Figure 1 for lift eye locations when the beverage shroud is removed. For a spreader beam lifting method, refer to Figure 2.

Sizes & Weight Estimates:

Refer to the provided tables for estimated weights and overall dimensions of the product based on different module configurations.

Primary Lifting Connection

Pixel Pitch – 3.9 mm & 5.9 mm

Display Width	Lift Eye Location X	Lift Eye Spacing Y	Minimum Cable L length L
1-Module Wide	N/A	N/A	N/A
2-Modules Wide	9.85" [250 mm]	N/A	N/A
4-Modules Wide	20.38" [517 mm]	N/A	N/A
6-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	14" [356 mm]
8-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	28" [711 mm]
10-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	42" [1067 mm]
12-Modules Wide	40.1" [1018 mm]	38.71" [983 mm]	28" [711 mm]

Pixel Pitch – 10 mm

Display Width	Lift Eye Location X	Lift Eye Spacing Y	Minimum Cable L length L
1-Module Wide	9.85" [250 mm]	N/A	N/A

2-Modules Wide	20.38" [517 mm]	N/A	N/A
3-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	14" [356 mm]
4-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	28" [711 mm]
5-Modules Wide	20.41" [518 mm]	18.97" [482 mm]	42" [1067 mm]
6-Modules Wide	40.1" [1018 mm]	38.71" [983 mm]	28" [711 mm]

Lift Eyes

M12 lift eyes are supplied with the installation hardware.

Lift eyes should be installed with the hole parallel to the display face as shown in Figure

1. The beverage shroud must be opened or removed to access the lift eye locations.

Acceptable Lifting Methods

Recommended Method

- Use a spreader beam with sufficient weight capacity. Refer to Figure 2 and Section Sizes & Weight Estimates (p.1).
- Connect to both lift eye locations.
- Lift displays one section at a time.

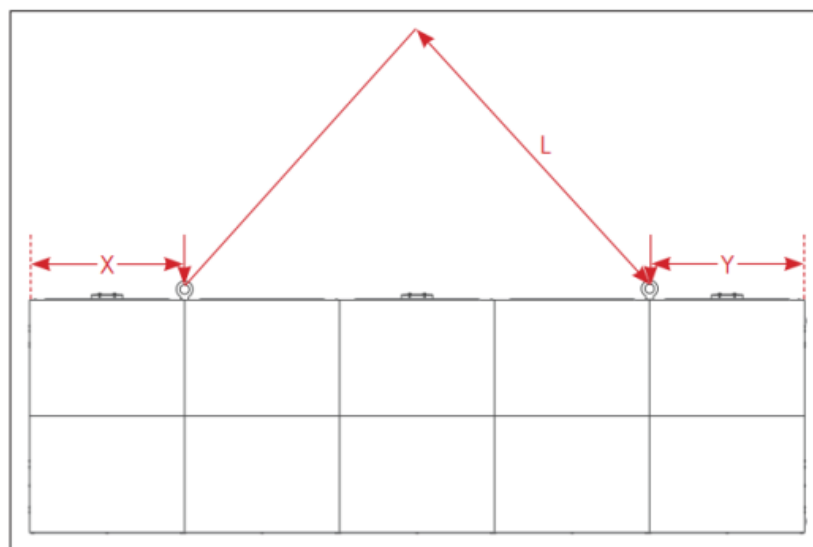


Figure 1: Lift Eye Locations (Beverage Shroud Removed)

Alternate Method

This method is not approved for ProRail® applications.

- Use chains, cables, or straps with sufficient weight capacity, accounting for increased loads from the rigging angle. Refer to Figure 3 and Section Sizes & Weight Estimates (p.1).
- Lift at a maximum angle of 45° from vertical. Refer to Figure 3.

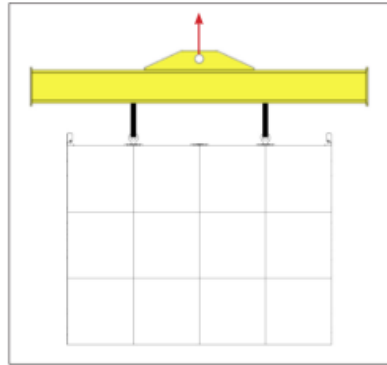


Figure 2: Lift with Spreader Beam

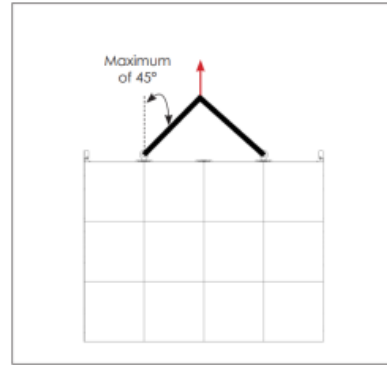


Figure 3: Lift with Chains

Section Sizes & Weight Estimates

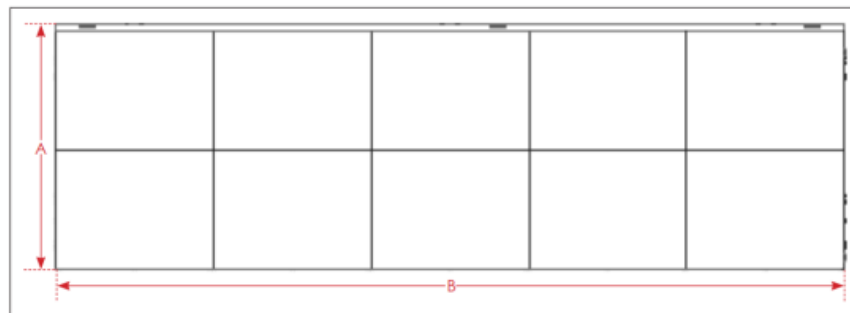


Figure 4: Front View

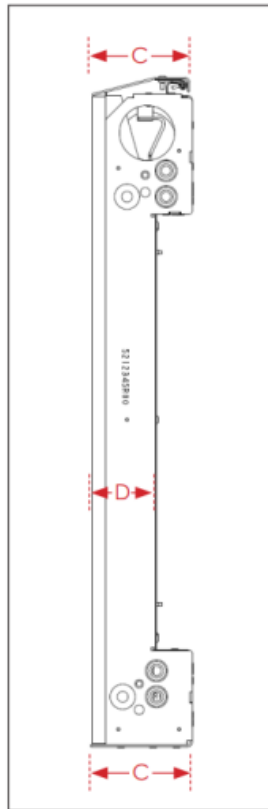


Figure 5: Side View

Modules High x Modules Wide		Estimated Weight	Active Area	Overall Height A	Overall Width B	Overall Depth C	Overall Depth D
3.9 mm & 5.9 mm	10 m m						
2 x 1	N/A	12 lbs [5 kg]	19.69" [500 mm] x 9.83" [250 mm]	20.63" [5 24 mm]	9.83" [25 0 mm]	4.50" [11 4 mm]	2.88" [74 mm]
2 x 2	2 x 1	21 lbs [10 kg]	19.69" [500 mm] x 19.69" [500 mm]	20.63" [5 24 mm]	19.69" [5 00 mm]	4.50" [11 4 mm]	2.88" [74 mm]

2 x 4	2 x 2	40 lbs [18 kg]	19.69" [500 mm] x 39.39" [1000 mm]	20.63" [524 mm]	39.39" [1000 mm]	4.50" [114 mm]	2.88" [74 mm]
2 x 6	2 x 3	60 lbs [27 kg]	19.69" [500 mm] x 59.06" [1500 mm]	20.63" [524 mm]	59.08" [1501 mm]	4.50" [114 mm]	2.88" [74 mm]
2 x 8	2 x 4	79 lbs [36 kg]	19.69" [500 mm] x 78.75" [2000 mm]	20.63" [524 mm]	78.77" [2001 mm]	4.50" [114 mm]	2.88" [74 mm]
2 x 10	2 x 5	98 lbs [44 kg]	19.69" [500 mm] x 98.44" [2500 mm]	20.63" [524 mm]	98.46" [2501 mm]	4.50" [114 mm]	2.88" [74 mm]
2 x 12	2 x 6	117 lbs [53 kg]	19.69" [500 mm] x 118.125" [3000 mm]	20.63" [524 mm]	118.16" [3001 mm]	4.50" [114 mm]	2.88" [74 mm]
3 x 1	N/A	16 lbs [7 kg]	29.53" [750 mm] x 9.83" [250 mm]	30.47" [774 mm]	9.83" [250 mm]	4.50" [114 mm]	2.88" [74 mm]
3 x 2	3 x 1	29 lbs [13 kg]	29.53" [750 mm] x 19.69" [500 mm]	30.47" [774 mm]	19.69" [500 mm]	4.50" [114 mm]	2.88" [74 mm]
3 x 4	3 x 2	56 lbs [25 kg]	29.53" [750 mm] x 39.39" [1000 mm]	30.47" [774 mm]	39.39" [1000 mm]	4.50" [114 mm]	2.88" [74 mm]
3 x 6	3 x 3	82 lbs [37 kg]	29.53" [750 mm] x 59.06" [1500 mm]	30.47" [774 mm]	59.08" [1501 mm]	4.50" [114 mm]	2.88" [74 mm]

3 x 8	3 x 4	109 lbs [49 kg]	29.53" [750 mm] x 78.75" [2000 mm]	30.47" [7 74 mm]	78.77" [2 001 mm]	4.50" [11 4 mm]	2.88" [74 mm]
3 x 1 0	3 x 5	135 lbs [61 kg]	29.53" [750 mm] x 98.44" [2500 mm]	30.47" [7 74 mm]	98.46" [2 501 mm]	4.50" [11 4 mm]	2.88" [74 mm]
3 x 1 2	3 x 6	162 lbs [73 kg]	29.53" [750 mm] x 118.1 25" [3000 m m]	30.47" [7 74 mm]	118.16" [3001 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 1	N/A	18 lbs [8 kg]	39.37" [1000 mm] x 9.83" [250 mm]	40.31" [1 024 mm]	9.83" [25 0 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 2	4 x 1	34 lbs [15 kg]	39.37" [1000 mm] x 19.69" [500 mm]	40.31" [1 024 mm]	19.69" [5 00 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 4	4 x 2	66 lbs [30 kg]	39.37" [1000 mm] x 39.39" [1000 mm]	40.31" [1 024 mm]	39.39" [1 000 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 6	4 x 3	99 lbs [45 kg]	39.37" [1000 mm] x 59.08" [1501 mm]	40.31" [1 024 mm]	59.08" [1 501 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 8	4 x 4	131 lbs [59 kg]	39.37" [1000 mm] x 78.77" [2001 mm]	40.31" [1 024 mm]	78.77" [2 001 mm]	4.50" [11 4 mm]	2.88" [74 mm]
4 x 1 0	4 x 5	163 lbs [74 kg]	39.37" [1000 mm] x 98.46" [2501 mm]	40.31" [1 024 mm]	98.46" [2 501 mm]	4.50" [11 4 mm]	2.88" [74 mm]

4 x 1 2	4 x 6	195 lbs [88 kg]	39.37" [1000 mm] x 118.1 6" [3001 mm]	40.31" [1 024 mm]	118.16" [3001 mm]	4.50" [114 mm]	2.88" [74 mm]
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CONTACT

- DD5638340
- Rev 00 19 June 2025 201
- Daktronics Drive Brookings, SD 57006-5128


www.daktronics.com/support

800.325.8766

FAQ

- **Q: How do I determine the appropriate lifting method for my specific module configuration?**
 - **A:** Refer to the tables provided in the user manual that match your module configuration to find the corresponding lifting connections and recommended methods.
- **Q: What should I do if I encounter difficulties with lift eye installation?**
 - **A:** If you experience any issues with installing the lift eyes or accessing the locations, contact customer support for assistance.

Documents / Resources

	<p>DAKTRONICS RTN-3020 Series Section Weights and Lifting [pdf] User Guide</p> <p>3.9 mm, 5.9 mm, 10 mm, RTN-3020 Series Section Weights and Lifting, RTN-3020 Series, Section Weights and Lifting, Weights and Lifting, Weights, Lifting</p>
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References

- [User Manual](#)

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10 mm, 3.9 mm, 5.9 mm, DAKTRONICS, Lifting, RTN-3020 Series, RTN-3020 Series Section Weights and Lifting, Section Weights and Lifting, Weights, Weights and Lifting

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