

ANYLOAD

ORCA-AXL

Axle Scale



<10" Height

Low Profile Design

50Klb

Standard Capacity

10-20 ft

Length Options

1-855-269-5623
www.anyload.com

PN-260401-01

Features



Top Access Hatches

Boltless cover plates simplify servicing, especially in pit installations.

U-Channel Design

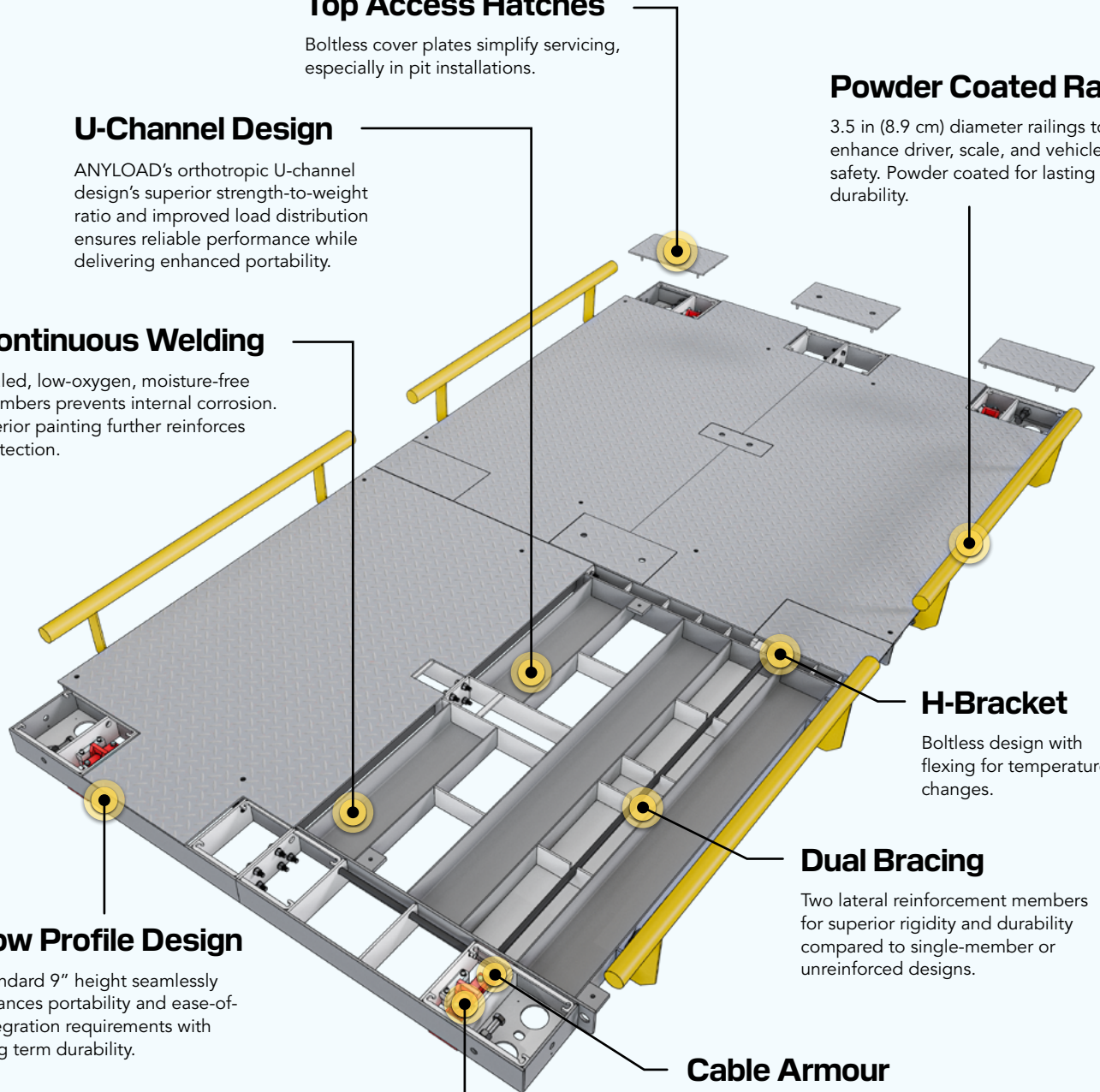
ANYLOAD's orthotropic U-channel design's superior strength-to-weight ratio and improved load distribution ensures reliable performance while delivering enhanced portability.

Continuous Welding

Sealed, low-oxygen, moisture-free chambers prevents internal corrosion. Interior painting further reinforces protection.

Powder Coated Rails

3.5 in (8.9 cm) diameter railings to enhance driver, scale, and vehicle safety. Powder coated for lasting durability.



H-Bracket

Boltless design with flexing for temperature changes.

Dual Bracing

Two lateral reinforcement members for superior rigidity and durability compared to single-member or unreinforced designs.

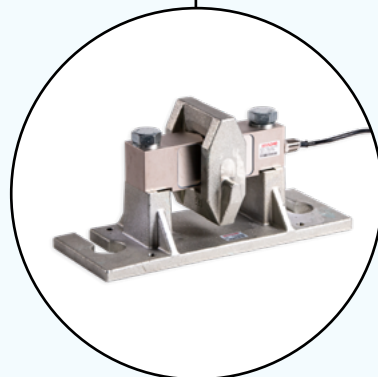
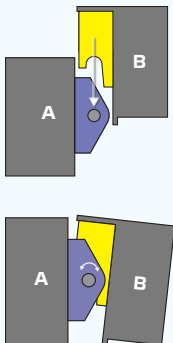
Low Profile Design

Standard 9" height seamlessly balances portability and ease-of-integration requirements with long term durability.

Cable Armour

Flexible cable armour connects directly to the channel conduits to protect against rodent and other physical damage.

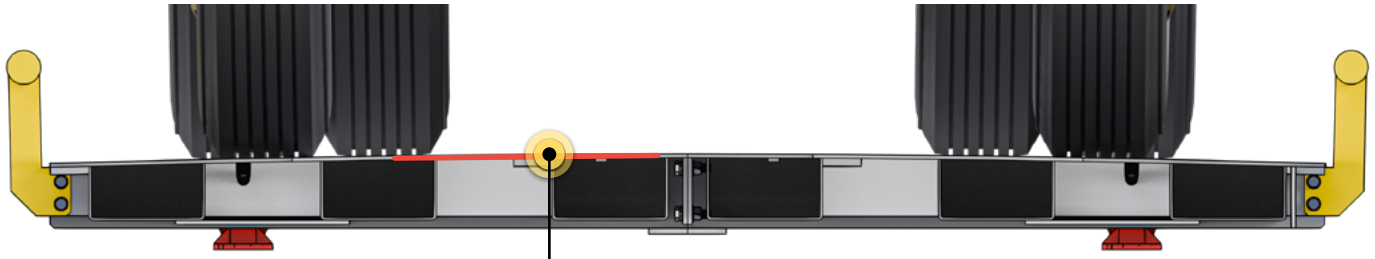
H-Bracket Diagram



M1 Mounts

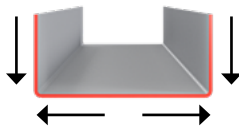
Self-aligning weigh module and double-ended beam load cells deliver unrivalled durability. Single link design makes scale platform more rigid at higher applied load to further reduce component wear and improve driver comfort.

Design Advantages



✓ **Pre-Cambering:**

Longitudinal arch created with CNC hydraulic presses counter longterm sagging and distribute stress evenly across the deck. This controlled curvature ensures the platform settles flat under load, improving fatigue resistance and preserving calibration accuracy over time.



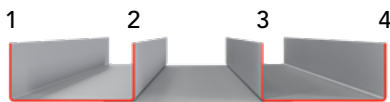
✓ **Superior Load Distribution:**

U-channels create a continuous orthotropic deck structure that transfers loads through multiple vertical webs. This integrated load path resists twisting and fatigue more effectively than I-beam designs, delivering higher rigidity and long-term accuracy under heavy, repetitive service.



✓ **Bottom Plating:**

Interconnector plates span between U-channels along the wheel load paths. This creates a closed torsion box effect that increases bending and shear resistance across the deck. By eliminating independent flex between channels, the bottom plating raises overall stiffness by up to 50% and minimizes deflection under repeated axle loads.



✓ **More Vertical Reinforcements:**

U-channel webs are positioned beneath each wheel path, creating multiple continuous load paths for higher strength, reduced deflection, and superior durability compared to conventional I-beam scales.

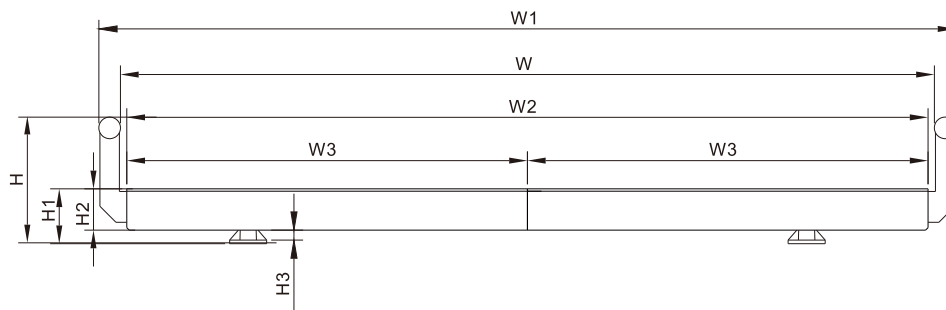
Options



808 Remote Display

- LED Remote Displays
- Stainless Steel Load Cells
- Hot dip galvanized mounts
- Stainless Steel suspension hardware
- Truck scale indicators
- Lighting arrestors & surge protection
- Rubber T-grips
- Steel ramps
- Rub rails
- Rodent protection cable or conduits
- FM Load Cells & J-boxes

Technical Details



HEIGHT

WIDTH

Length	H	H1	H2	H3
10 ft to 20 ft	1 ft 8.5 in	8.9 in	6.7 in	1.6 in

W	W1	W2	W3
10 ft	10 ft 7.2 in	9 ft 10.1 in	4 ft 11.1 in
11 ft	11 ft 7 in	10 ft 9.9 in	5 ft 5 in

Custom Configurations Available

Because axle scale requirements vary by site and application, please contact ANYLOAD to discuss your project specifications. Our engineering team can provide detailed technical data and tailored quotations for your configuration.

Part Number	Width	Length	Number Of Load Cells	Number Of Sections
ORCA-AXL-10X10-50Klb-26A.....	10 ft.....	10 ft.....	4.....	1
ORCA-AXL-11X10-50Klb-26A.....	11 ft.....	10 ft.....	4.....	1
ORCA-AXL-10X12-50Klb-26A.....	10 ft.....	12 ft.....	4.....	1
ORCA-AXL-11X12-50Klb-26A.....	11 ft.....	12 ft.....	4.....	1
ORCA-AXL-10X16-50Klb-26A.....	10 ft.....	16 ft.....	6.....	2
ORCA-AXL-11X16-50Klb-26A.....	11 ft.....	16 ft.....	6.....	2
ORCA-AXL-10X20-50Klb-26A.....	10 ft.....	20 ft.....	6.....	2
ORCA-AXL-11X20-50Klb-26A.....	11 ft.....	20 ft.....	6.....	2

Sales & Technical Assistance