

The  
"ADW"

## Aluminum double-wall end dump trailer



### Stronger and lighter for extra payloads



Clement's new ADW smooth-sided, double-wall aluminum end-dump gives haulers a new and efficient alternative for hauling sand, gravel, coal, hazardous waste, and aggregates.

The ADW trailer sidewall is a single unit consisting of two walls of individual panels combined with extruded separators and welded inside and out to form a very strong and water-tight unit. Should damage occur to the sidewall, the damaged individual panels can be replaced to restore the integrity of the sidewall.

#### Frameless for maximum legal payloads

The built-in strength and superior design of Clement aluminum bodies make them ideal for frameless trailer applications. Clement delivers the maximum in legal payloads with long end dump trailers.

#### Available in frame and quarter-frame models

The Clement ADW is offered in lengths from 24- to 39-ft., and in both frame and quarter-frame models where these applications are desirable.

#### Maximum stability and reduced turnovers

Clement pioneered wide-angle draft arms in 1976 to maximize stability allowing longer trailer lengths, while minimizing the risk of turnovers. Clement wide-angle draft arms give the maximum in lateral support to the trailer body when elevated, plus Clement trailers also have a low center of gravity that maximizes stability.

**CLEMENT**  
*America's Leader*

The Company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used herein.

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**Designed and built to be stronger,  
yet lighter for greater profits!**

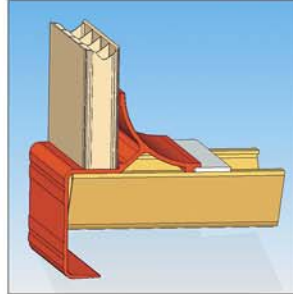


**Non-welded, Huck-bolted sub-frame**

A trailer is like any other structure, it can only be as strong as its base. To assure the strength of the trailer sub-frame is as strong as possible, the ADW subframe is designed and assembled with huck-bolts rather than welded.

**Unique bottom rail**

The ADW bottom rail was designed to assure proper fit-up on the side to the floor, providing two flat surfaces for attaching the side extrusions as well as a 45-inch corner for the side to floor on the inside. This extrusion, combined with a flat surface on the top rail assures a strong, straight side and permits replacing damaged side panels economically.



**"ADW"  
Aluminum double-wall  
end dump trailer**

- Type:** Smooth side, double wall aluminum body for sand, gravel, coal, hazardous waste and aggregates.
- Floor:** .250-inch 5454-H34 aluminum with 12 by .50-inch 5454-H34 in the rear
- Sides:** 10-inch 6061 aluminum double wall (.190 inside, 1/16-inch outer skin) extrusions welded inside and out for strong watertight body.
- Tailgate:** framed double wall, rubber sealed, air locked with cab connection at front
- Front:** .250-inch 5454-H34 Aluminum with radius corners
- Toprail:** 4-1/2 x 9-inch extrusion with dirt-shedding top. 6061-T6
- Bottom Rail:** 3-1/2 x 8-inch x 45-degree slope 6061-T6 includes radius corner from floor to side
- Rear Post:** 4 x 9-inch Extrusions 6061-T6
- Cross Members:** 3-1/2 x 8-inch x 45 degree slope 6061-T6 extrusions with 1-inch offset for maximum floor support.
- Suspension Sub-Frame:** Non-welded, totally Huck-bolted to assure maximum integrity.
- Draft Arms:** Wide angle 3 x 5 x 1/4-inch aluminum tubing
- King Pin Plate:** 1/4-inch AR400 steel, breakaway/rocking.
- Hoist:** 30-ton capacity
- Suspension:** Ridewell Fidelity standard, Hendrickson Intraax, optional
- Axles:** (2) 5-inch round, 5/8-inch wall, with parallel spindle for common inner/outer bearings for maximum life
- Wheels:** 8.25 x 24.5 steel disc, 10-hole hub-piloted
- Hubs:** 10-hole pilot Dura Lite
- Tires:** 11R 245 Radials
- Brakes:** 16-1/2 x 7-inch Outboard Centrifuse Drums
- Lighting:** Sealed Harness, LED lights  
ABS: 2S-1M



**What is Clement's Uni-Beam?**

Clement's "Uni-Beam" bodies provide the greatest strength-to-weight ratios in trailers being built today. In the simplest terms, uni-beam means locking the side sheets into a beam consisting of the super strong, dirt-shedding top rail, the headboard, rear post and the unique Clement bottom rail extrusion as seen here. Supporting the floor are 3-1/2 x 8 x 45-inch slope extrusions with 1-inch pads for the maximum floor support.



**Double I-Beams at the rear**

At the rear, twin 8-inch I-beams, and at front and center a single I-beam form Huck-bolt connections to the sub-frame.

This structure has a great "strength to weight ratio" offering you the maximum payloads with minimum downtime.



**Clement is just "down the road"**  
Clement's nationwide network of dealers means genuine Clement replacement parts are just down the road not across the country