

# ART-60 SERIES

ROLL-OFF TRAILER



*The Ace Diamond Series Roll-Off Trailer is a heavy-duty hoist designed for use in the toughest environments possible. Ace has developed the ultimate trailer for years of reliability and performance.*



### **Triangle of Stability.**

The Lift Cylinders, Stabilizer Frame, and Tilt-Frame are joined together, thus creating a triangle. Triangles are the strongest geometrical shape because any added force is evenly spread through all three sides. This combination allows the trailer to have unwavering stability and strength.

### **Single Point Suspension.**

Using a single point spring suspension allows the weight to be distributed evenly between the two axles; creating a triangle between each axle and the suspension trunnion. In addition, this allows the hinge point of the trailer to be half the height of a conventional frame-type trailer.

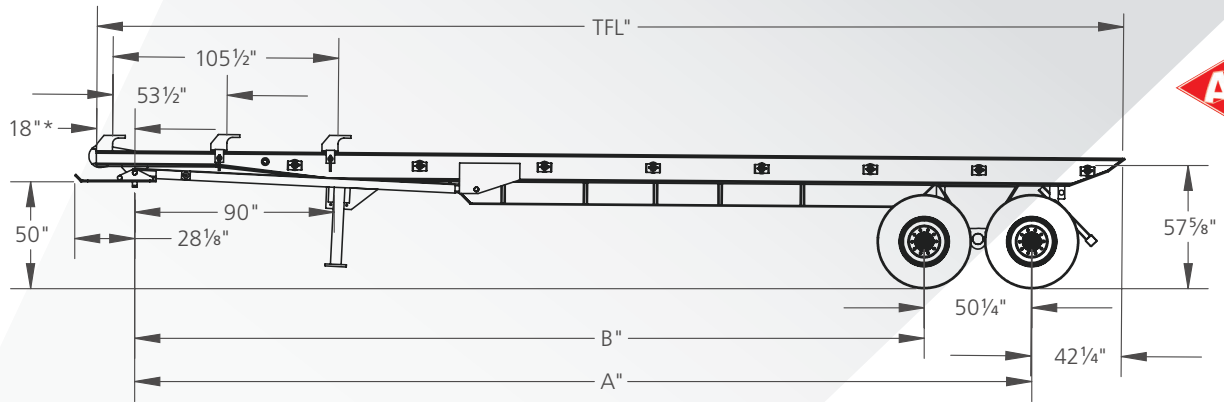
### **Lowest Possible Center of Gravity, Even Weight Distribution and Ultimate Stability.**

Ace's triangle of stability increases the strength and stability of the trailer. Compare this to the two-point system [cylinder and hinge pin] found on conventional frame-type roll-offs. The extra support [stabilizer frame] prevents the trailer from rocking side to side. The hinge point of the ART-60 Series is half that of frame-types and remains lower as the trailer is raised in the air. When operating on unstable ground, such as in a scrap yard, Ace's triangle of stability and its lower center of gravity, make a drastic difference.



*a product of*  
**BROTHER'S EQUIPMENT, INC.**  
SINCE 1938

# ART-60 SERIES Roll-Off Trailer



Model	GVW **	TFL	A	B	Axles Configuration	Movable Stops***	Container Size
ART-60-41	80,000	492	414.75	364.5	Tandem	(2) 53/105	20-41 ft
ART-60-40	80,000	480	408.75	358.5	Tandem	(2) 53/105	20-40 ft
ART-60-36	80,000	432	369.75	319.5	Tandem w/Lift(s)	(2) 53/105	10-36 ft
ART-60-34	80,000	408	345.75	295.5	Tandem w/Lift(s)	(2) 53/105	10-34 ft
ART-60-32	80,000	384	318.75	268.5	Tandem w/Lift(s)	(2)	10-32 ft
ART-60-30	78,000	360	297.75	247.5	Tandem w/Lift(s)	(2)	10-30 ft

\*ART-60-41= 24" /ART-60-36,34,32,30=9".. Can be configured to customer specifications.  
 \*\*GVW subject to Individual State Law. All trailers can be configured to maximize legal payload.  
 \*\*\*Movable stops can be configured to customers request.  
 Additional axles and other components can be configured to customers specification

## General Trailer Information

**Overall Trailer Length:** See TFL  
**Weight:** 14,000-17,000 +/- based on options  
**Dump Angle:** 43 °F  
**Container Hold Downs:** Manual Winch Straps  
**Container Range:** 20' - 40'  
**Hoist Capacity:** 60,000 lbs.  
**Gross Vehicle Weight:** See GVW\*\*  
**Rollers/Sheaves:** ALL GREASABLE  
**Lighting:** LED DOT #108

## Axles, Suspension & Breaking

**Axles:** Rating 25,000 LBS  
**Suspension Rating:** 50,000 lbs., Single Point Tandem  
**Landing Gear:** 180,000 lbs., 2 Speed  
**Tires:** 11R X 22.5  
**Wheels:** 10 Hole Uni-Mount, Hub Piloted  
**Fenders:** Rubber  
**Brake System:** ABS First Axle

## Frame

**Tilt Frame:** 12"x 4" Rectangular Tubing, 1/2"x 4" Flat Bar Top Wrap, 3/4"x 4" Flat Bar Bottom Wrap  
**Stabilizer Frame:** 4"x 4" Square Tubing, 4"x 4 1/4" Angle  
**Cable:** 7/8" 637 IWRC Wire Rope  
**Bumper:** ICC FMVSS 223 Certified  
**Paint:** Cleaned, Primed, Industrial Enamel w/Hardner

## Hydraulics

**Lift Cylinders:** Dual Double Acting telescopic  
**Cable Cylinders:** 7 3/4" DA, 3 1/2" Round, Polished & Chrome  
**Working Pressure:** 2,500 psi  
**Hoses:** 3,000 psi with Nylon Covering

## Options

Tarp System, Aluminum Rims, Auto Grease System, Auto Tire Inflate, Removable Stops, Tools Box, Wireless Remote Control, Scale System, Inside/Outside Rail Dead Lift, Hydraulic Winch and many more.....

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