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Trail Hoist

## LIGHT DUTY ROLL OFF TRAILER TRAIL HOIST MODEL: TH-14

**(TH) – Trail Hoist** From improvement projects to waste handling and landscaping, Galbreath Trail Hoists are designed for versatility. When it comes to hauling your most important gear, these purpose-built trailers are engineered with the highest quality materials, spring suspension axles, and more frame reinforcement than the competition. Designed for the most demanding jobs, Galbreath Trail Hoists are built to last.





# Standard Features

- Adjustable bolt on hitch for proper ride height alignment (2 5/16" ball mount or 3" pintle lunette)
- Bolt on top wind trailer jack (8,000 lb. capacity)
- Honda 390GX power unit with electric start
- Linkage controlled valves at front on driver's side
- 7 pin trailer plug and harness weather sealed
- Greased grooved sheaves in the winch system
- Heavy duty side rollers with bronze greaseable bushings
- 5/8" steel cable with pear end
- Automatic front container locking mechanism (driver's side only)
- Dual hoist maintenance props
- Red and white reflective tape marking entire hoist front to back
- Stationary rear hold downs
- Emergency trailer breakaway trailer brakes
- Two part epoxy primer and paint for a high gloss and durable finish
- LED lighting
- High strength steel tubing and bracing (A500 Grade C)
- 14 gauge steel tread-plate fenders
- Dexter tandem axle spring suspension with (2) 7,200 lb. drop shaft axles and electric brakes
- LT235/80 R16 - 10 ply tires on 8 lug 16 x 7 steel white spoke rims
- Solid modeling and stress analysis testing ensure high quality and consistent product delivery
- Warranty (1 year limited hydraulic & limited lifetime frame)

FEATURE	
Hoist main frame	6" x 3" x 3/8" A500 grade C tubing
Trailer frame	5" x 3" x 1/4" A500 grade C tubing
Hydraulic pump	Gear type 8 gpm @ 3,200 RPM
Operating pressure	1,850 PSI
Hydraulic valve	2 spool / 25 gpm with safety bypass
Oil reservoir	9-gallon steel tank with 10 micron filtration
Lift cylinders	(2) dual acting rod type
Hinge shaft	1 1/2" solid steel
Winch cylinder	(2) dual acting rod type
Cable / Cable end	5/8" steel cable / pear eye cable end
Cable sheaves	8" grease grooved & UHMW guides
Cable anchors	(4) cable clamps
Front stops	1/2" steel plate
Front safety lock	Gravity released & frame engaged
Rear hold downs	1/2" steel plate located for std. Wastequip containers
Outside rollers	3" OD outside rail rollers w/ bronze grease grooved bushings
Tires/Rims	(4) 235/80R16 - 10 ply, 8-hole 16" steel rims
Working points	Greaseable zerk fittings
ICC bumper	Fixed



Adjustable hitch with safety chains, 7 pin trailer connector and emergency breakaway



Automatic front container safety lock



8,000 lb. top wind jack; 12HP Honda engine w/ electric start; 9-gallon hydraulic tank; 25 gpm manual control valve



Tandem single tire 7,200 lb. axles covered with steel tandem fenders and recessed LED lighting



Dual lift cylinders for hoist frame



Dual reaving system with UHMW guides



Stationary rear hold downs



3" OD outside rail rollers w/ bronze grease grooved bushings



Rear impact protection bumper as required by DOT regulation



# Available Options

- 3" pintle lunette (7-ton cap.) or 2 5/16" ball style hitch (15,000 lb. cap)\*
- Pioneer HR1100 armless / pull tarp with hydraulic adjustable gantry (41" up to 71")
- Electric drop leg trailer jack 4,500 lb. capacity and 18" of travel

\*Customer choice



3" 7-ton capacity pintle lunette ring



15,000 lb. capacity 2 5/16" ball hitch



Pioneer HR1100 armless/pull out tarping system featuring a hydraulic adjustable gantry (41" up to 71")



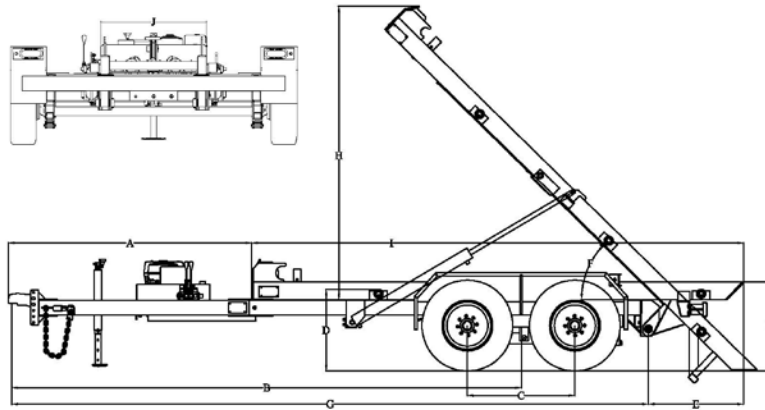
Electric drop leg trailer jack, 4,500 lb. capacity and 18" of travel

TH-14 shown with 12' bathtub style ROC and optional Pioneer HR1100 tarping system



Trail Hoist

Figure 1



### Notes for Figure 1

- 1 When recommending container lengths, weight distribution, fender interference and overhang are factors. Please consult your local ordinances when determining the model of hoist needed to suit your container needs.
- 2 Factory tested with recommended container length and water level load.
- 3 Frame Height = top of hoist frame to ground. Using 235/80 R16 tires only. For larger tires, consult engineering for clearance.
- 4 Designed to haul both standard ROC with 6" sill heights as well as the smaller trail hoist containers with 5" sill heights.

### Recommended Minimum Truck Requirements

Tongue Rating: 2,000 lbs.  
Towing Capacity: 16,000 lbs.

Specifications	Trail Hoist TH-14
Recommended container size <sup>1 2 4</sup>	10' to 12'
Rated hoist capacity	12,000 lbs. winch/dump (GVWR=14,000 lbs.)
A – Trailer tongue length (front of hitch to front of hoist)	81 ¼"
B – Wheelbase (center of hitch to center of tandem axles)	159 13/16"
C – Tandem spread	34 ½"
D – Outside roller height from ground	27 3/8"
E – Rear pivot to hoist tail	52"
F – Load/Unload angle	45°
G – Center of hitch to rear pivot	193 13/16"
H – Maximum raised height	98 5/8"
I – Hoist length (front of hoist to hoist tail)	13"
J – Rail Width (outside dimensions)	35 ½"
K – Hoist height (ground to top of hoist frame rail) <sup>3</sup>	29"
Overall trailer length	20' 5 13/16"
Lift cylinders	3" x 1 ½" x 40" dual acting rod type
Winch cylinder	4" x 2" x 48" dual acting rod type
Approximate weight with standard features	4,100 lbs.
Estimated payload w/ standard features (container + load)	9,900 lbs.

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