

# LEGACY U-SERIES ROLL-OFF CABLE HOISTS



Tel: 800.285.0666 | sales@wastequip.com | www.galbreathproducts.com



**Outside Rail (OR)** roll-off cable hoists are the most commonly used models in the industry. They are also among the most versatile hoists still being used today. The OR-models are equipped with outside rollers that allow the container long sills to transition across the hoist frame without friction of metal on metal.

- » **25,000 to 80,000 lb. capacity**
- » **Single and Tandem axle**

OR - MODELS

## Standard Features

### Ease of Operation

- Centered cab-mount Power Tower with standard air controls for reliability and less maintenance
- Plug n' Play wiring system
- Pintle ready rear aprons
- Cushioned cylinders for soft hoist to frame landing
- Beveled tail assemblies allow for imperfect container alignment

### Safety

- Split bumper with LED lighting
- Heavy duty rear apron assembly
- Fixed rear hold downs
- Heavy duty safety stops
- Air assist fold-up ICC bumper
- Backup and hoist up alarm with signal light in cab
- Minimal truck chassis modification required
- Keep original chassis cross members and locations

\* **Factory mount models**

### Durability

- All pivot joints, roller assemblies and sheave blocks easily accessed for service and grease
- Frames are huck bolted to chassis\*
- Shock absorbing sub-frame
- Field tested heavy duty rear hinge
- Hot phosphorus wash before a two-part epoxy primer & paint\*
- Steel hydraulic tank with 3 micron return oil filtration using dual viscosity oil (MV36\*); dual sight/temperature gauge and ball valve shut-off
- Limited lifetime warranty on frame
- 2 year limited hydraulic system warranty

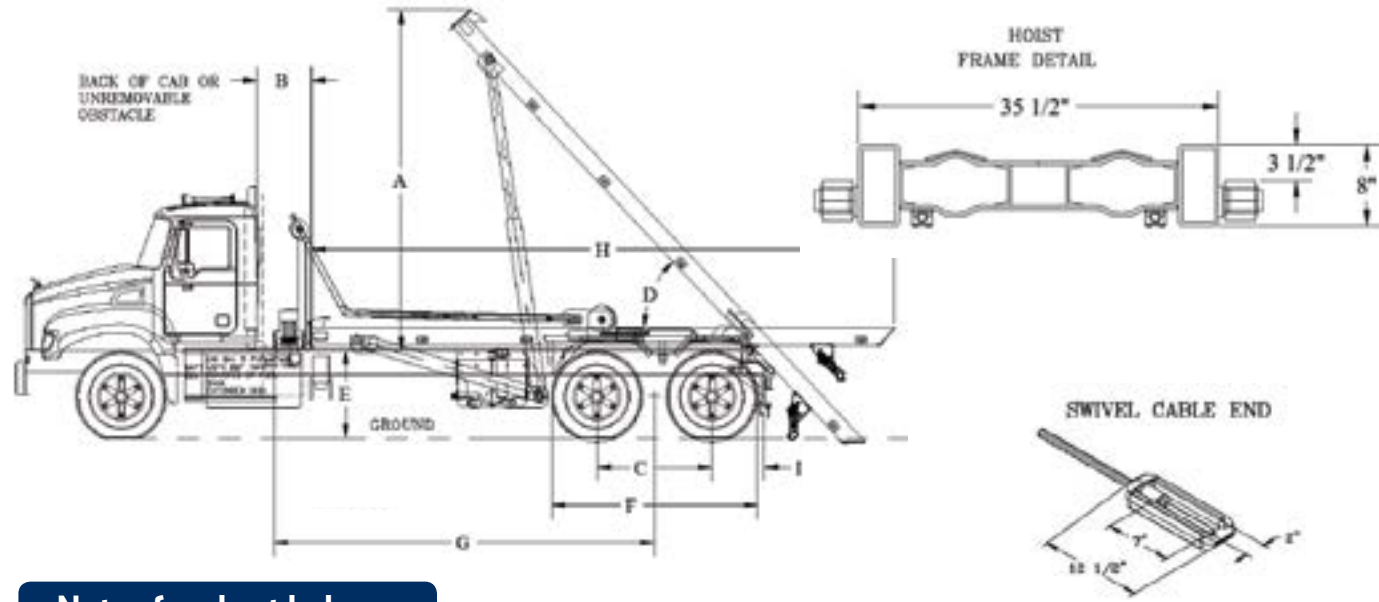
### Quality

- Lean manufacturing process, along with engineering, solid modeling and stress analysis testing, ensure quality, consistent product every time
- Engineered with solid modeling to ensure maximum product quality
- Stress analysis testing
- Customized engineering layouts ensure the exact fit for each customers' chassis

## Available Options

- Steel, aluminum or poly fenders
- Pioneer tarping systems
- Variety of toolbox styles and sizes
- Reverse mount (standard on single axle models) and telescopic lift cylinders (standard on UT and UH models)
- Auxiliary stops and hold down systems
- Special safety/high visibility lighting
- Auxiliary hydraulic hook-ups/wet kits
- Lift axles
- Pintle hook applications
- Speed-limiting parameters for hoist-up\*
- Scale systems
- Single axle models: OR, IO, HH & EX
- Fixed tail models: OR, IO, HH & SI
- Extendable tail models: EX, XI, EH & OX
- Special models and options configurations available upon customer request

# SPECIFICATIONS



## Notes for chart below:

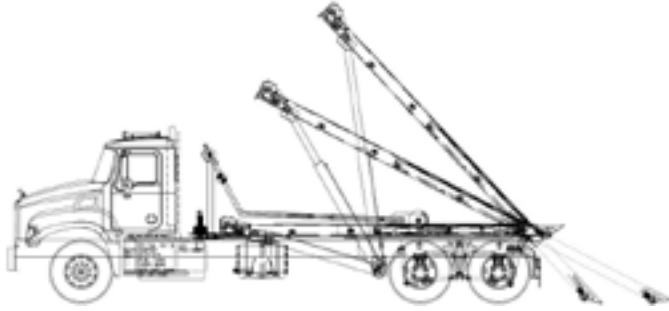
- 1 When recommending container lengths, weight distribution, fender interference and overhang are factors. Please consult your local ordinances when determining the model of hoist needed to suit your container needs.
- 2 Factory tested with recommended container length and water level load.
- 3 Frame = top of truck chassis frame.
- 4 This distance does not allow for a behind the cab (BTC) oil reservoir, tarper platform and or room to add a tarper; must add distance for those items.
- 5 Using 22.5" tires only. For larger tires, consult representative.
- 6 Request additional tail length for spring suspensions higher than 45".

FEATURES	SINGLE AXLE	TANDEM AXLE
<b>Hoist main frame</b>	8" x 3" x 3/8" A500 grade C tubing	8" x 4" x 1/2" A500 grade C tubing
<b>Hoist subframe</b>	4" x 3" x 1/4" A500 grade C tubing	3" x 2" x 3/16" A500 grade C tubing
<b>Hydraulic pump</b>	Gear type 17.5 gpm @ 1,500 rpm	Gear type 35 gpm @ 1,500 rpm
<b>Operating pressure</b>	1,850 psi	1,850 psi 1,950 psi (U75 / U80 models)
<b>Hydraulic valve</b>	2 spool / 25 gpm with safety bypass	2 spool / 45 gpm with safety bypass
<b>Oil reservoir</b>	17 gallon with 3 micron return filtration system	50 gallon with 3 micron return filtration system
<b>Lift cylinders</b>	2 dual acting, rod type, reverse mount	2 dual acting, rod type, forward mount
<b>Hinge shaft</b>	1 1/2" solid steel	2 1/2" solid steel
<b>Winch cylinders</b>	2 rod type, dual acting	2 rod type, dual acting
<b>Cable / cable end</b>	5/8" steel cable / pear eye cable end	7/8" steel cable / swivel eye cable end
<b>Cable sheaves</b>	10" grease grooved	10" grease grooved
<b>Cable anchors</b>	4 cable clamps	4 cable clamps
<b>Front stops</b>	1 1/2" steel plate	1 1/2" steel plate
<b>Front safety lock</b>	Automatic spring loaded	Automatic spring loaded
<b>Rear hold downs</b>	1 1/4" plate located for standard Wastequip containers	1" plate located for standard Wastequip containers
<b>Outside rollers</b>	4" OD with bronze bearings	4" OD with bronze bearings
<b>ICC bumper</b>	Auto fold air assist	Auto fold air assist

	U2-OR-138	U3-OR-156	U3-OR-178	U4-OR-174	U5-OR-174	U5-OR-194	U75-OR-174	U75-OR-194	U80-OR-194
FEATURE	SINGLE AXLE	SINGLE AXLE	SINGLE AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE	TANDEM AXLE
<b>Recommended container size<sup>1</sup></b>	14'-18'	14'-18'	18'-22'	18'-22'	18'-22'	20'-24'	18'-22'	20'-24'	20'-24'
<b>Rated capacity<sup>2</sup></b>	25,000 lbs.	30,000 lbs.	30,000 lbs.	40,000 lbs.	60,000 lbs.	60,000 lbs.	75,000 lbs.	75,000 lbs.	80,000 lbs.
<b>A - Height above truck frame<sup>3</sup></b>	143 7/8"	156 3/4"	162 1/2"	180 7/8"	164"	178 3/4"	162 3/8"	178 3/4"	178 3/4"
<b>B - Back of cab to hoist<sup>4</sup></b> (add 12" for tarper or hard plumbing)	6"	6"	6"	6"	6"	6"	6"	6"	6"
<b>C - Axle spread</b>	n/a	n/a	51-55"	51-55"	51-55"	51-55"	51-55"	51-55"	51-55"
<b>D - Raised dump angle</b>	51°	51°	47°	48°	48°	48°	47°	48°	48°
<b>E - Top of truck frame to ground<sup>3,5</sup></b>	43"	42"	46"	46"	46"	46"	46"	46"	46"
<b>F - Tire OD to OD</b>	n/a	n/a	n/a	96" max	96" max	96" max	96" max	96" max	96" max
<b>G - Cab to axle (CA), cab to trunnion (CT)</b> (add 12" for tarper and hard plumbing)	138"	156"	178"	194"	174"	194"	174"	194"	194"
<b>H - Hoist length</b>	236"	246"	274 3/4"	279 7/16"	279 7/16"	299 1/4"	279 7/16"	299 1/4"	299 1/4"
<b>I - After frame</b> Add 2" for air ride	36 3/4"	37 1/4"	36 3/4"	23-25"	23-25"	23-25"	23-25"	23-25"	23-25"
<b>Lift cylinders</b> (reverse mount on single axle models are standard); telescopic cylinder options available	5" x 3" x 54"	5" x 3" x 54"	5" x 3" x 66"	6" x 4 1/2" x 72"	6" x 4 1/2" x 72"	6" x 4" x 72"	7" x 4" x 72"	7" x 4" x 72"	7" x 4" x 72"
<b>Winch cylinders</b>	5" x 3" x 66"	5" x 3" x 66"	6" x 4" x 75"	6" x 3" x 80"	7" x 4" x 80"	7" x 4" x 90"	7" x 4" x 80"	7" x 4" x 90"	7" x 4" x 90"
<b>Approx. weight with standard features</b> (ship out weight used; unmounted)	4,863 lbs.	5,900 lbs.	6,106 lbs.	6,908 lbs.	6,955 lbs.	7,300 lbs.	7,500 lbs.	7,720 lbs.	7,790 lbs.

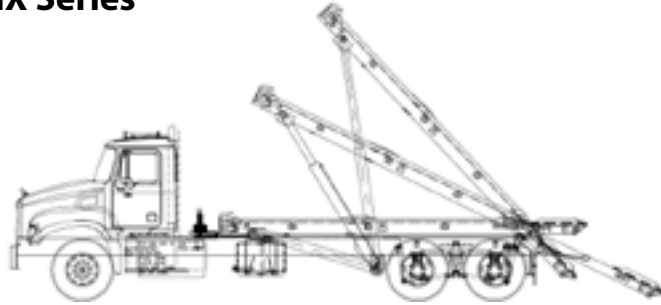
## EXTENDABLE TAIL MODELS

### EX Series



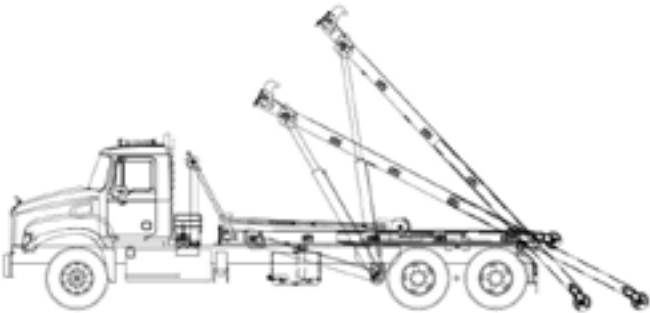
Essentially a shortened OR-model with a 80" extendable tail section that generates low loading angles and has 35.5 inch rail width.

### IX Series



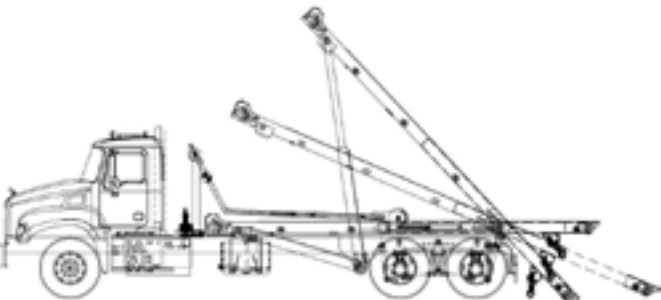
An OR/EX-model extendable tail (60") with both inside and outside rails and rollers. The hoist has set rail widths of 35.5 inches.

### EH Series



A combination of an EX & HH-model, designed for picking up dead lift containers at low loading angles with an 80" extendable tail section. This hoist has a narrower rail width set at 35 inches.

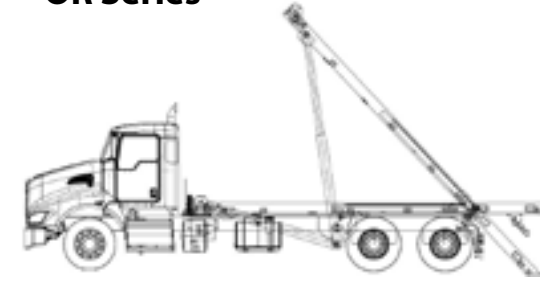
### OX Series



An OR-style hoist with a tail that is extendable out to an additional 48". The hoist has set rail widths of 35.5 inches.

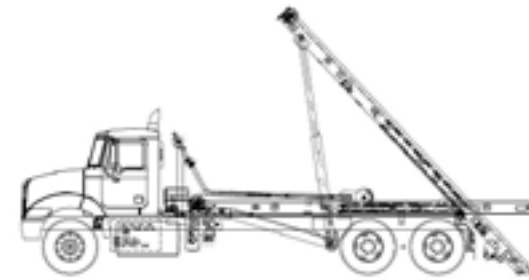
## FIXED TAIL MODELS

### OR Series



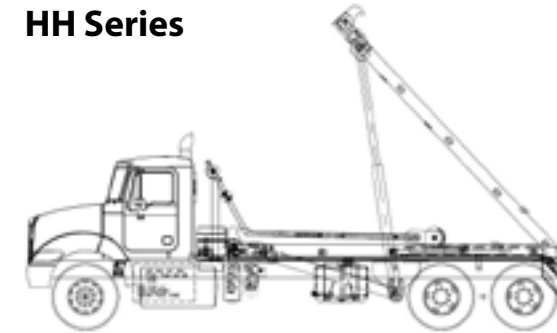
The OR-model (industry standard) is an outside/inside rail and roller hoist set at 35.5 inches wide between rails.

### IO Series



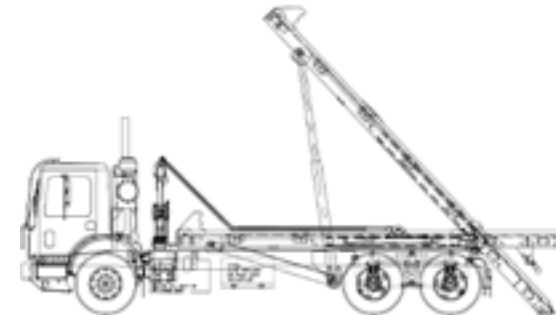
Similar to the OR-model, the IO-model has additional inside rollers (inside of main frame tubes) and inside rails fixed to the top of main frame. The hoist is set at 35.5 inches wide between rails.

### HH Series



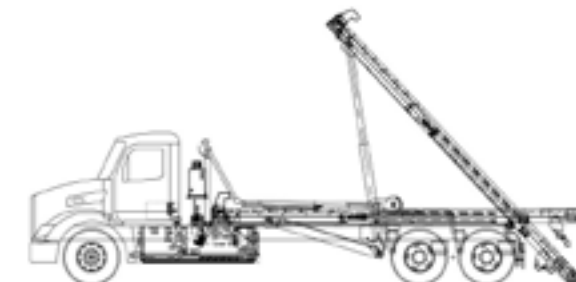
HH - A shortened and narrowed version of the OR-model that is designed to pick up deadlift containers with a knuckle cable end. The hoist rails are set at 35 inches wide.

### SI Series



A cross breed of sorts, the SI-model is unique in the fact that it is designed to pick up a variety of different styles of containers. Specifically it will pick up either outside rail, inside/outside rail and deadlift containers. The hoist is set at 34 inches.

### TM Series



A representative of a unique market sector of the Pacific Northwest, the TM-model (Trough Mount) is typically a hoist that utilizes a trough section on either side to support the containers as opposed to rollers or rails. Many different variations exist for its dimensions and can be adapted to suit most consumer requirements.



# GALBREATH QUALITY

## Standard Features



3 micron filtration system (pictured at right) with dual viscosity oil reduces contamination, required maintenance and down time.



Automatic spring loaded front container lock helps ensure containers remain in place.



Hoist frames are huck bolted to chassis, providing unmatched strength and durability (factory mount only).



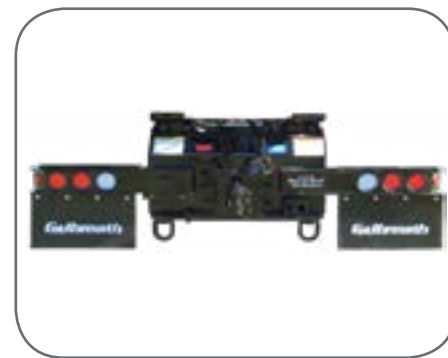
In-cab Power Tower featuring "plug n' play" wiring and smooth hydraulic activation through air over hydraulic controls.



Oil reservoir equipped with 10 micron breather filter; 3 micron oil return filtration; 100 micron mesh screen suction strainer and fluid level indicator with temperature gauge.



Air assist ICC bumper standard on most cable hoists models (not required on HH, EX, EH, IX models).



Heavy duty rear apron that comes pintle ready and a split bumper come standard on most tandem axle cable hoist models (shown with pintle hook option).

## Available Options



Heavy duty rear wing skid plate options with or without rear rollers, full length versions are also available.



High quality steel, aluminum and poly constructed toolboxes available.



Heavy duty rear ratchet hold down systems with or without ratchet handles built-in.



Pioneer tarping systems available in a variety of models to fit your application.



Variety of axillary stops, styles and locations to meet customers' needs.

# TRUCK SPECIFICATIONS

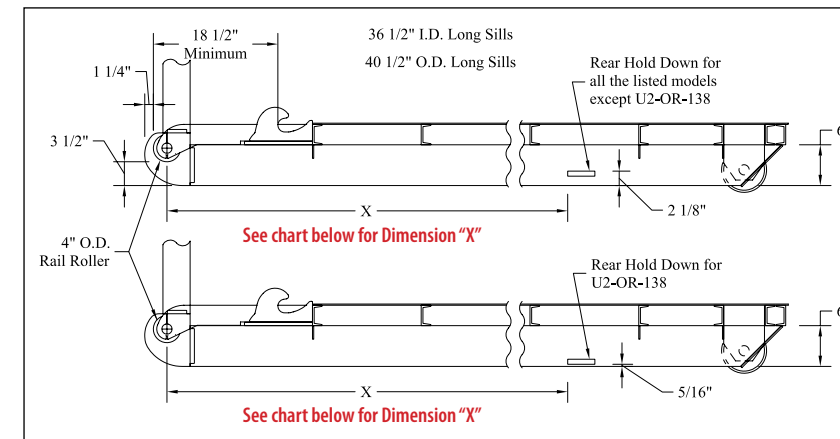
### Single axle:

- Front axle: 9,000 lbs. (min.) capacity
- Rear axle: 22,400 lbs. (min.) capacity
- 50,000 psi or more chassis frames
- Minimum section modulus = 17.5 in.<sup>3</sup>

### Tandem axle:

- Front axle: 18,000 lbs. (min.) capacity
- Rear axle: 44,000 lbs. (min.) capacity
- 50,000 psi or more chassis frames
- Minimum section modulus = 24 in.<sup>3</sup>

# CONTAINER REQUIREMENTS



DIMENSION "X"*								
Container lengths	12 ft.	13 ft.	14 ft.	15 ft.	16 ft.	17 ft.	18 ft.	19 ft. +
Models	* Dimension 'X' is Center of Rail Roller to Front of Rear Hold Down: The Tolerance for all measurements below are + 1" / -0"							
All (except U2 & U3)	Additional info. needed	145 1/2"	145 1/2"	149"	149"	173"	173"	191"
U2-OR/IO/EX	Not recommended	Not recommended	158"	158"	158"	158"	158"	Not recommended
U3-OR/IO/EX	Not recommended	Not recommended	149"	173"	173"	173"	173"	173"

\* Dimension "X" is center of rail roller to front of rear hold down

NOTE: Tolerance for all models is +1" / -0" except where container lengths are not recommended or where more information is required.



Tel: 800.285.0666 | [sales@wastequip.com](mailto:sales@wastequip.com)  
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GAL063-042017