

DUALIFT™
Dual use hook and cable systems.
By **HEIL**

DuaLift™

Combination Hook Lift and Cable Hoist for Roll-Offs



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Heil's DuaLift combination hook lift and cable hoist is a revolutionary solution that performs like two trucks in one to efficiently load and unload roll-off containers.

The DuaLift's innovative design offers unmatched advantages over conventional roll-off hoists. Using the DuaLift, you can now service both hook and cable containers with a single chassis, which means you'll never need to worry about dispatching the wrong truck again, saving you time and money.

A telescopic cylinder and cable-type frame rail design deliver twice the alignment forgiveness of reeving hoists and enable the DuaLift to load and unload containers faster than standard reeving operations. It hauls both standard containers and short hook containers, and powers short containers to the rear of the frame before raising for additional safety.

The DuaLift is also an ideal solution for horizontally loading pup trailers, docks, and flatbeds. It features a standard 10-foot cable at the rear of the hoist for unmatched performance with tough

pulls, offers the ability to hook containers at the lowest elevation in the business, and enables you to tow containers with the hoist down when needed.

As if these features weren't enough to make the DuaLift a real roll-off workhorse, the unit also features a unique shaking capability to easily empty difficult-to-remove cardboard or frozen compactor loads. This innovative feature will extend the life of your equipment by preventing drivers from trying to release a frozen load by moving the truck in reverse and slamming on the brakes.

For more versatility and greater weight distribution when handling roll-off container lengths of 12-24 feet, and 62-, 54-, and 36-inch lift bars, nothing compares to DuaLift by Heil.

For more information on how to make this hauling innovation a part of your operation, contact your local Heil Dealer. To find the Heil Dealer nearest you, please visit www.heil.com or www.dualift.com.



Quick Change

It takes less than a minute to switch between hook and cable container systems. The cable is stored off the sheave and out of the way when hauling hook containers.



Lower Loading Height

Hook containers at the lowest elevations, including below-grade, with DuaLift's lower loading height and lift angle.



Easily Load Off-Center

The ability to load hook containers at up to 35 degrees off-center eliminates the need to be perfectly aligned.



Shake Difficult Loads

Break stubborn loads free with DuaLift's unique shaking capability, which eliminates the need to move the truck backward while slamming the brakes.



All Lift Bar Heights

Use one truck to service containers with lift bar heights of 62, 54, and 36 inches.



Load Pup Trailers

Controlled movements enable loading of both hook and cable containers onto pup trailers quickly and more safely than other lift systems.





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Performance Specifications

CONTAINER TYPES	
Hook	Hook heights - 62", 54" & 36" Hook lengths - 12' to 24'
Cable	All outside rail lengths 12' to 24'
LIFT CAPACITY	
Hook	65,000 lbs.
Cable	60,000 lbs.
Dump angle	50%
Cable extension	10' beyond rear
Loads 12 ton at idle	

Hydraulic Specifications

PUMP	
Type	Gear pump delivering 50 GPM at operating speed
Maximum Operating Pressure	2,750 psi
Working RPM	1,500 engine RPM (varies with pump & PTO)
Flow at working RPM	50 GPM
OIL RESERVOIR	
Chassis frame mounted	
Tank Capacity	70 gal.
Oil system gross capacity	85 gal.
Filters	High pressure filtration 7 micron full flow Suction strainer capacity 141 micron
VALVES	
Shutoff	Ball style - 2.0 in. full flow
Main relief valve	2,750 psi
Operator selections	3 section with air actuators
Controls	Standard outside manual - optional inside air

Cylinder Specifications

	Type	Model	Bore	Rod	Stroke	Closed Length
Lift	(2) Double acting	ALL	in. 6	3	78	90
			mm 152	76	1981	2286
Hook	(2) Double acting	ALL	in. 6	3	22	34
			mm 152	76	559	864
Reeving with sliding mid-support	Double Acting 4-stage telescopic	22'	in. 8	7	184	84.75
			mm 203	178	4674	2153
		24'	in. 8	7	204	84.75
			mm 203	178	5182	2153

Chassis Requirements

		22'	24'
GAWR	front	18,000	18,000
	rear	44,000	44,000
Chassis frame - RBM per rail		2,000,000 in. lbs.	2,000,000 in. lbs.
Basic clear cab to trunion (Clear CT) (includes 10 in. for taper mount)	in.	190	210
	mm	4826	5334
Normal range tandem spread (TS)	in.	50-54	50-54
	mm	1270-1372	1270-1372
After frame	in.	45	45
	mm	1143	1143
Required platform minimum (CT + AF)	in.	235	255
	mm	5969	6477
Additional requirements			
<ul style="list-style-type: none"> Specify chassis, engine and transmission upon entering order (MUST be in accordance with chassis specifications). Any chassis requiring special alterations (moving battery boxes, air tanks, etc.) will delay the body manufacturing until a letter authorizing changes is received by Heil Environmental. 			

Body Specifications

		22'	24'
Overall Length	in.	340	360
	mm	8636	9144
Overall Width	in.	102	102
	mm	2591	2591
Mounted weight (route ready no taper)	lbs.	10,500	10,750
	kg	4763	4876

Hoist Construction

Frame Rails - 9 in. 25.4 lbs per foot Ship & Car channel	Sub Frame - 2 in. x 4 in. x 0.25 in rectangular tube
Single 14 in. cable sheave with top and bottom cable restraints	30 ft. 7/8 in. cable with terminator wedge
3/8 in. steel side mounting plates	10 4 in. side rollers with columnar support
Tarper-ready hydraulics	Mounting plates secured with locking nuts and bolts
Heavy duty hinge - 2. 5 in. pin	Rear container hold downs - nylon ratchet straps
Enclosed rear roller	Rear bumper and light bar
DOT compliant collapsible rear under ride	Safety Props
Mid body turn signals	Back up and hoist up alarms
Container guides between rollers	Rear wing skid plate

Additional Available Options

Pintle hook	Pintle hook subframe only
Rear wet line kit	LED lights
Work lights - set of 2 on rear fender bracket or gantry	Work lights - 2 sets of 2 - mounted on rear fender bracket and gantry
Automatic tarper	PTO either air shift or hot shift
Inside air controls with toggle switches	Automatic rear container hold downs
Fenders - poly, steel or aluminum	Fire extinguisher and rack
Tool boxes - steel or poly	Hoist up exterior alarm cut-out when parking break is engaged
Vehicle speed limiter with hoist up	Pusher axle - single tire

Patents 07568881 and 07572091. Other patents may apply.



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