Operating Instructions

Do Not Operate Unless:

☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Fundamentals

Using the machine for anything other than lifting material is unsafe.

If more than one operator is expected to use a machine at different times in the same work shift, each operator is expected to follow all safety rules and instructions in the operator's manual. That means every new operator should perform a pre-operation inspection, function tests and a workplace inspection before using the machine.

Setup

Select an area that is firm, level and free of obstructions.

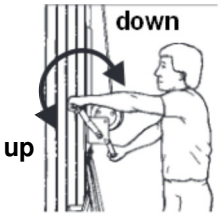
Follow the Setup procedures in the Functions Test section.

Raising and Lowering Load

1 Center the load on the load handling attachment. See Load Capacity Charts section.

2 Secure the load to the load handling attachment.

3 Raise the load by firmly grasping the winch handles and rotating them toward the mast. Do not allow the cable to wind unevenly onto the drum.



4 Lower the load by firmly grasping the winch handles and rotating them away from the mast. After lowering to the desired position, turn the winch handles toward the mast (raise the load) 1/4 turn to set the brakes

Moving Machine with a Load

It is best to move the machine on the worksite with no load. Moving a raised load should be restricted to positioning for loading and unloading. If it is necessary to move the machine with a raised load, understand and obey the following safety rules:

- Make sure the area is level and clear of obstructions
- Make sure the load is centered on the load handling attachment
- Make sure the load is secured to the load handling attachment
- Avoid sudden starts and stops
- Travel with the load in the lowest possible position
- Keep personnel away from the machine and load

After Each Use

To prepare the Genie Superlift for storage, follow the Setup procedure in reverse order.

Select a safe storage location - firm level surface, weather protected, clear of obstruction and traffic.

Load Capacity Charts

Observe and Obey:

☑ Failure to properly position the load may result in death or serious injury.

☑ Verify that the load you wish to raise does not exceed the maximum load for your load center. See the Load Capacity Chart on the next page.

⚠WARNING Tip-over hazard. Raising a load that exceeds the machine capacity may result in death or serious injury.

☑ A load center is defined as the balancing point (center of gravity) of a load and must be positioned within the load center zone.

⚠WARNING Tip-over hazard. Failure to position the load center within the load center zone may result in death or serious injury.

Forks

Load Positioning Instructions

1 Determine the weight of the load and the location of its load center.

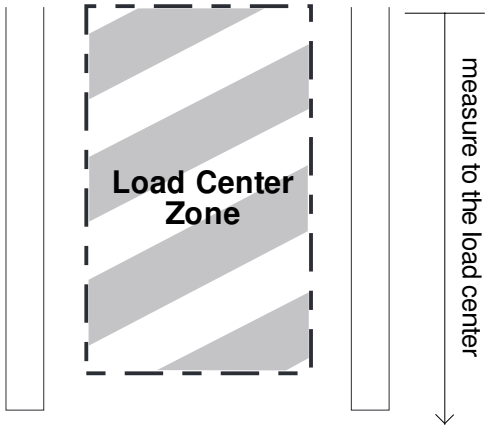
2 Measure to the load center from the side of the load that will be closest to the carriage.

3 Refer to the chart on the next page to determine if the machine is capable of lifting the weight at the location on the forks.

4 Place the load so that it rests on the forks, as close to the carriage as possible.

5 Position the load so that the load center is within the load center zone.

6 Secure the load to the forks.



See the chart on the next page for maximum load centers for standard forks, adjustable forks and flat forks.

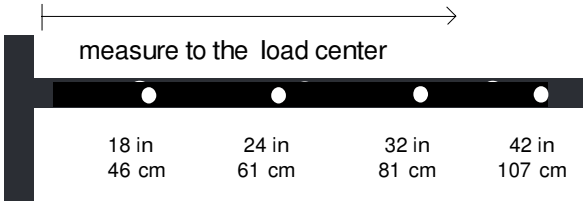
Boom

Load Positioning Instructions

1 Determine the weight of the load and the location of its load center.

2 Refer to the chart below to determine if the machine is capable of lifting the weight at the location on the boom.

3 Secure the load to the lifting shackle on the boom.



Maximum Load Centers

(measure from the front of the carriage)

Standard Forks:	24 in	61 cm
Adjustable Forks:	24 in	61 cm
Boom:	42 in	107 cm
Flat Forks:	28 in	71 cm
Vertical Barrel Stacker:	equivalent to 24 in	
Rotating Barrel Handler:		
30 gallon barrels	equivalent to 38 in	
55 gallon barrels	equivalent to 30 in	
Load Platform:	24 in	61 cm
Pipe Cradle:	18 in	46 cm
Fork Extensions:	42 in	107 cm

Load Capacity Chart

		Load Center												
inches cm		18 46	20 51	22 56	24 61	26 66	28 71	30 76	32 81	34 86	36 91	38 97	40 102	42 107
Model														
SLA-5	lbs kg	1000 454	1000 454	1000 454	1000 454	938 425	875 397	813 369	750 340	670 304	590 268	510 231	430 195	350 159
SLA-10	lbs kg	1000 454	1000 454	1000 454	1000 454	913 414	825 374	738 335	650 295	600 272	550 249	500 227	450 204	400 181
SLA-15	lbs kg	800 363	800 363	800 363	800 363	763 346	725 329	688 312	650 295	620 281	590 268	560 254	530 240	500 227
SLA-20	lbs kg	800 363	733 332	667 303	600 272	563 255	525 238	488 221	450 204	430 195	410 186	390 177	370 168	350 159
SLA-25	lbs kg	650 295	583 264	517 235	450 204	425 193	400 181	375 170	350 159	330 150	310 141	290 132	270 122	250 113

Transport and Lifting Instructions

Observe and Obey:

☑ The transport vehicle must be parked on a level surface.

☑ The transport vehicle must be secured to prevent rolling while the machine is being loaded.

☑ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. See the serial plate for machine weight.

☑ The machine must be secured to the transport vehicle with chains or straps of ample load capacity.

Loading the Machine

Be sure to remove the load handling attachment from the machine and place the stabilizers in the stored position.

1 Fully lower the carriage, to lock for transport.

2 Rotate the carriage hold-down bar over the carriage.

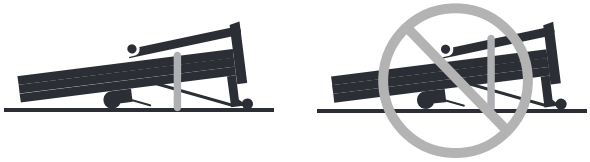
3 Raise the carriage until it contacts the carriage hold-down bar.

4 Adjust the loading wheels to the desired position. Be sure the pin is properly inserted.

5 Lock the rear base casters.

6 Place the machine against the vehicle. Use proper lifting techniques to load the machine into the transport vehicle. Be sure to check that the carriage is locked in the lowered position.

7 Use a minimum of 1 chain or strap to secure the machine to the truckbed. Place the chain or strap over the mast. Placing the chain or strap over the legs can damage the legs.



8 To unload, follow the loading instructions in reverse order.

Loading Machine with a Crane

Be sure to place the legs and stabilizers in the stored position.

Be sure to inspect the machine and remove any loose or unsecured items.

Use the lifting bracket on the top of the rear mast column.

Always place the lifting hook through the lifting bracket so that it points away from the machine.