OPERATOR'S GUIDE

D, G & J-Series Sliding Arm Clamps

- Sideshifting
- Non-Sideshifting
- Revolving
- Turnafork™
- Turnaload™
- Bulk Box Handler
- Marble Handler
- Tipping
- Folding Forks
- Independent Arm Control
- Fork Positioner

Original Instructions

Number 6892487-R5 EN



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WARNING: Rated capacity of the truck/ attachment combination is a responsibility of the original truck manufacturer and may be less than shown on the attachment nameplate. Consult the truck nameplate.

WARNING: Do not operate this attachment unless you are a trained and authorized lift truck driver.

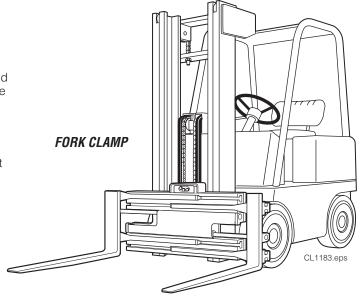
CAUTION: This guide shows general load handling procedures for most products. Cascade recommends developing a site-specific operating procedure relative to products be handled, specific operations and local safety guidelines.

INTRODUCTION

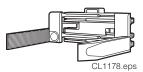
Cascade Sliding Arm Clamp attachments are available in a wide variety of types designed to handle a wide variety of loads

About this Guide – This guide is prepared to simplify your understanding about efficient and safe attachment use and operation. Please read this guide thoroughly before operating the attachment. Be sure you know and understand all operating procedures and safety precautions. If you have any questions, or don't understand a procedure, ask your supervisor.

Emphasize Safety! Most accidents are caused by operator carelessness or misjudgment. You must watch for poorly maintained equipment and hazardous situations and correct them.



TURNAFORK™



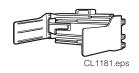
MULTI-PURPOSE RIGID ARM CLAMP



DRUM CLAMP



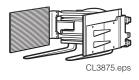
COTTON/BALE CLAMP



REVOLVING CLAMPS



BULK BOX HANDLER

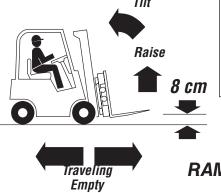


Industrial Lift Trucks

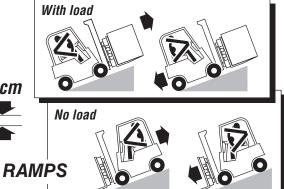














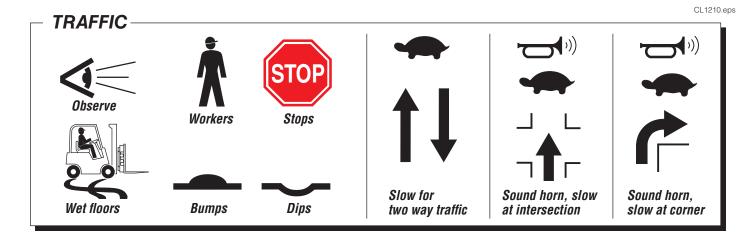




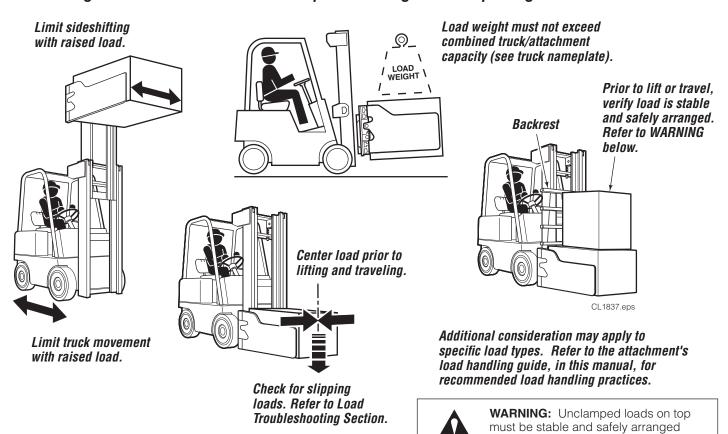
No turning on ramp

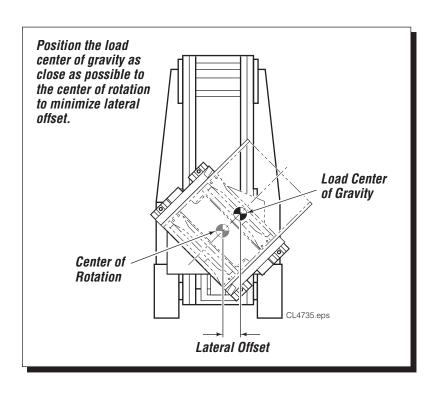


Watch clearances



Handling Loads: Loads must be secure prior to lifting and transporting.



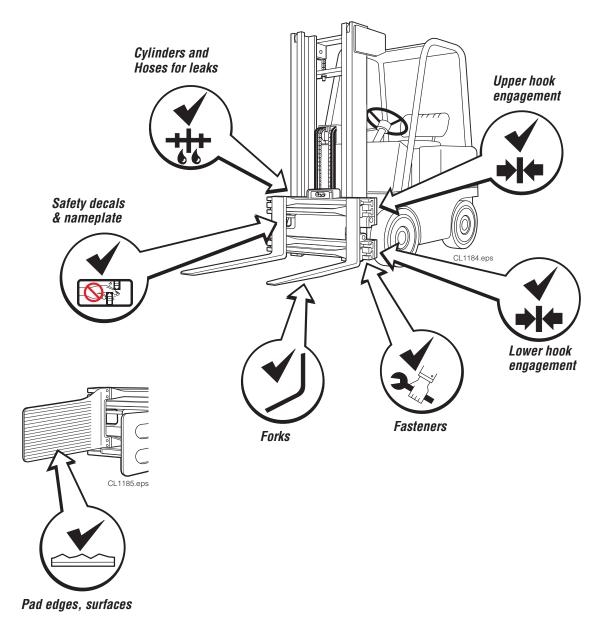


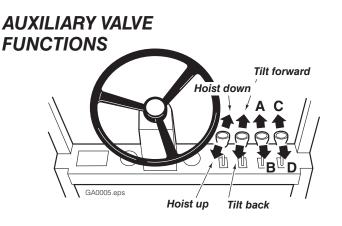
prior to lifting and traveling. Backrest required where possibility exists for load

to fall rearward.

DAILY INSPECTION

Check items each day. Report problems to your supervisor. Check clamp force prior to each operational shift. Refer to attachment service manual for troubleshooting, maintenance and repair procedures.



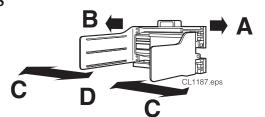


NON-SIDESHIFTING CLAMPS

- A Release Arms
- **B** Clamp Arms
- C (not used)
- **D** (not used)



- A Sideshift Left
- **B** Sideshift Right
- C Release Arms
- **D** Clamp Arms



FORK POSITIONERS

- A Spread Forks
- **B** Close Forks
- **C** (not used)
- **D** (not used)



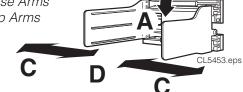
REVOLVING CLAMPS/FORK POSITIONERS

- A Rotate Counterclockwise (CCW)
- **B** Rotate Clockwise (CW) C Release Arms/Open Forks
- **D** Clamp Arms/Close Forks



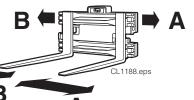
TIPPING CLAMPS

- A Tip Forward
- **B** Tip Back
- C Release Arms
- **D** Clamp Arms



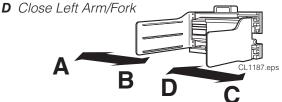
SIDESHIFTING/FORK POSITIONERS WITH SOLENOID VALVE

- A Sideshift Left
- A Release Arms/Open Forks (Press knob button)
- **B** Sideshift Right
- **B** Clamp Arms/Close Forks (Press knob button)



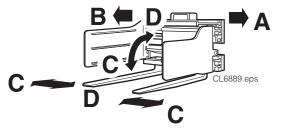
INDEPENDENT ARM CONTROL

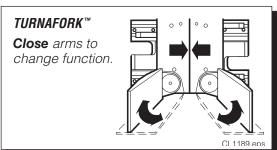
- A Open Right Arm/ Fork
- **B** Close Right Arm/Fork
- C Open Left Arm/Fork



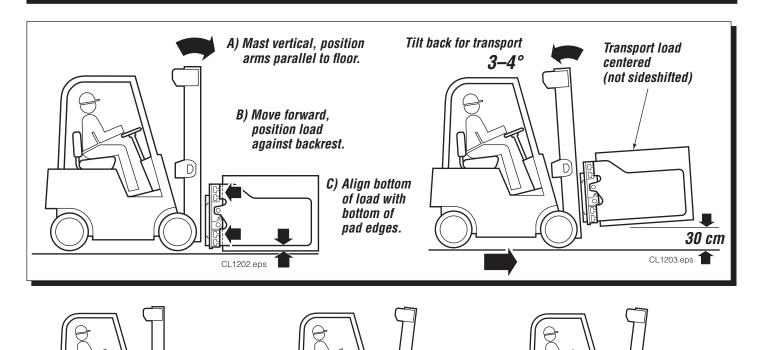
SIDESHIFTING CLAMP WITH FOLD UP FORKS

- A Sideshift Left
- **B** Sideshift Right
- C Release Arms
- **C** Unfold Forks (Press knob button)
- **D** Clamp Arms
- **D** Fold Up Forks (Press knob button)

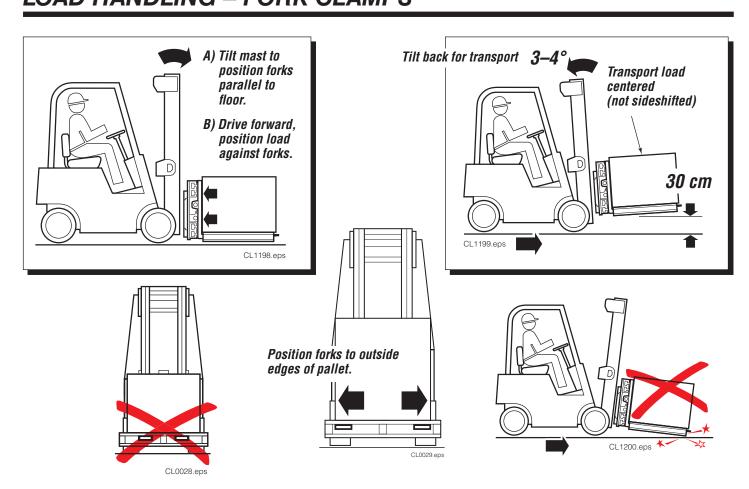




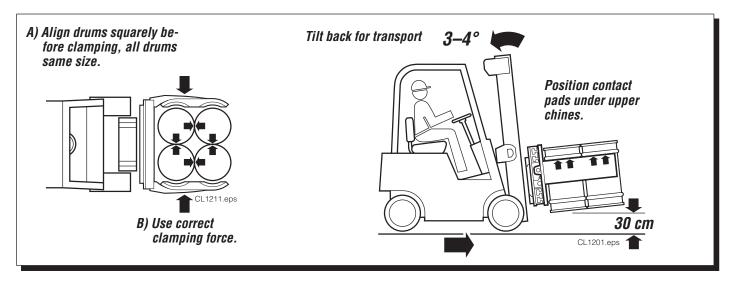
LOAD HANDLING - BALE & MULTI-PURPOSE CLAMPS

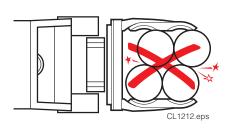


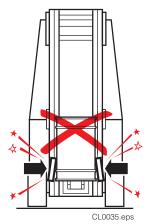
LOAD HANDLING – FORK CLAMPS

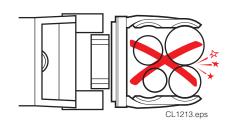


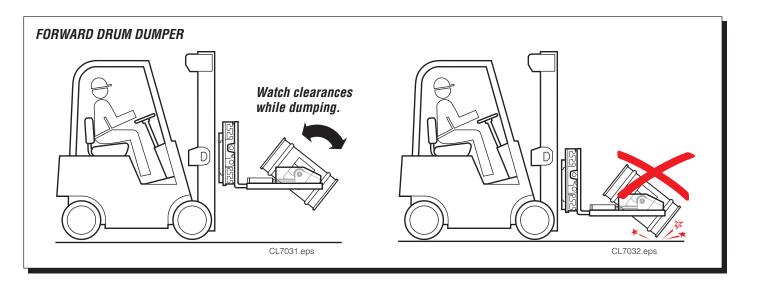
LOAD HANDLING – DRUM CLAMPS



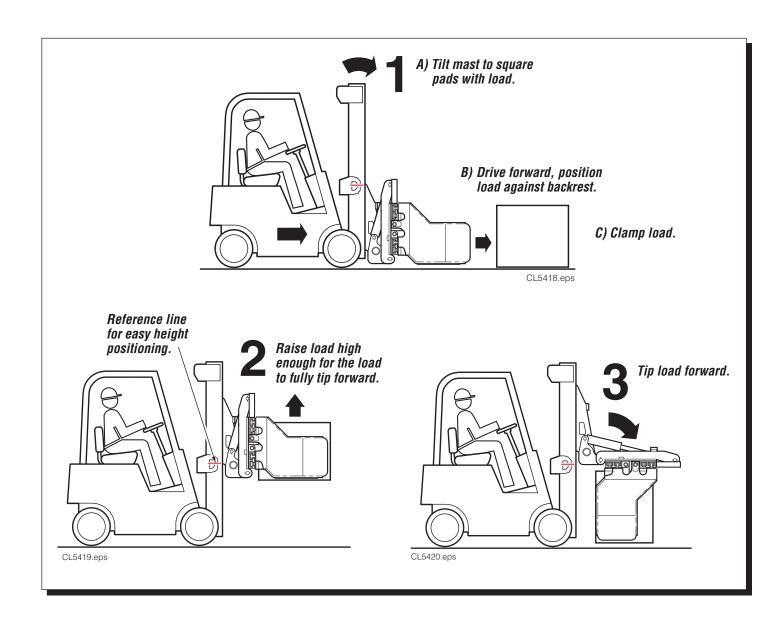


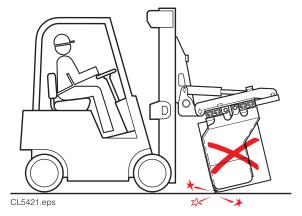






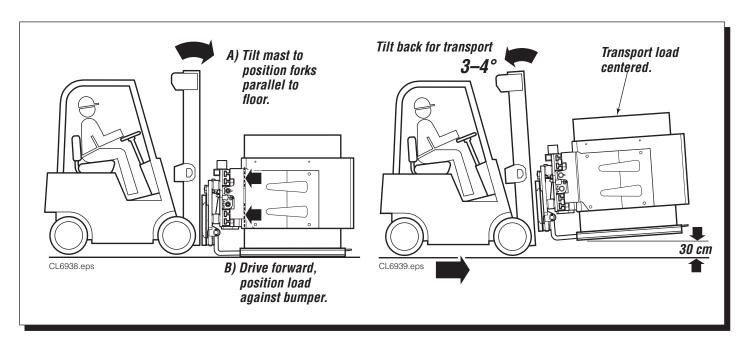
LOAD HANDLING – TIPPING CLAMPS

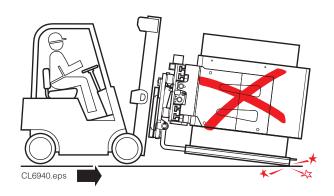




LOAD HANDLING – FOLD-UP FORKS

USING FOLD-UP FORKS

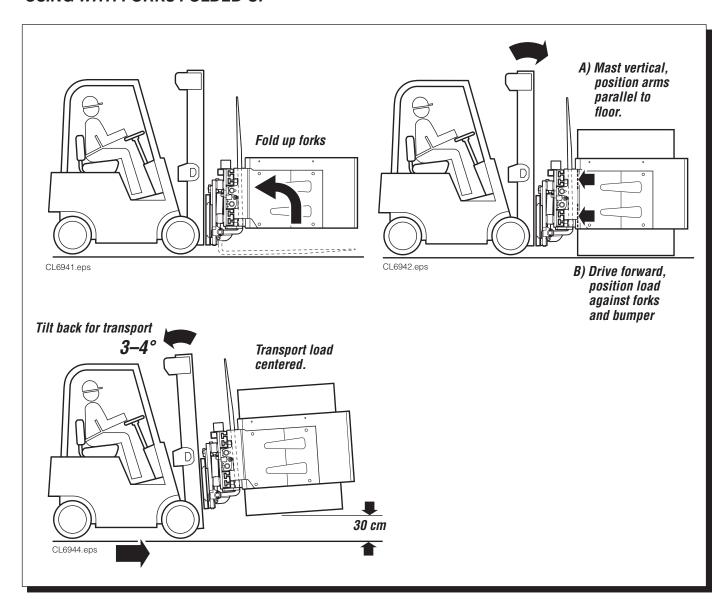




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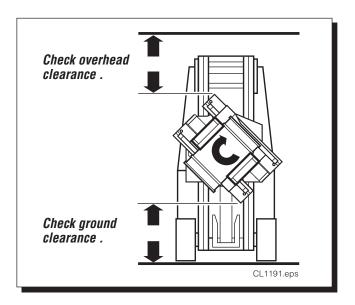
LOAD HANDLING - FOLD-UP FORKS

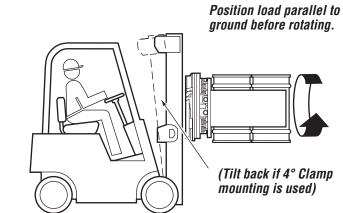
USING WITH FORKS FOLDED UP



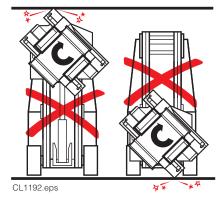


LOAD HANDLING - REVOLVING CLAMPS

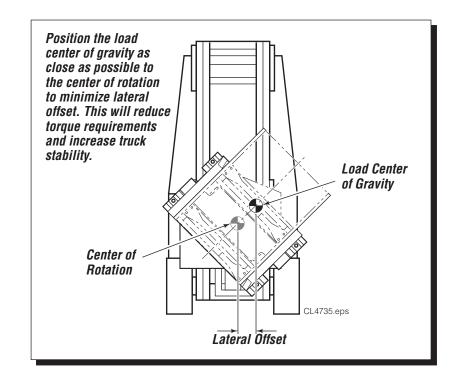




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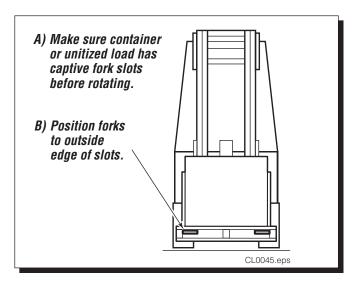




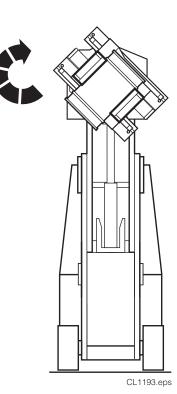


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LOAD HANDLING - REVOLVING CLAMPS (CONTINUED)



If elevated loads must be rotated, rotate slowly.

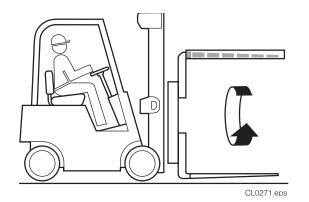


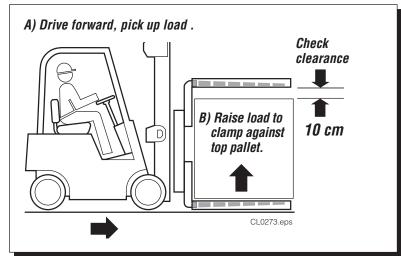


LOAD HANDLING - TURNALOAD™ CLAMP

CLAMPS WITH TOP ARM SHUTOFF

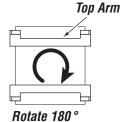
Pick up empty pallet with top arm, rotate 180° to position pallet on top.

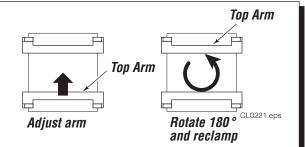






WARNING: If load is short and does not clamp firmly against top pallet, withdraw from load and reposition top arm as shown.

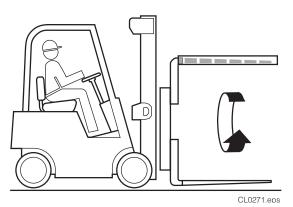


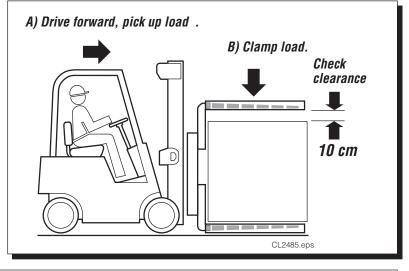


LOAD HANDLING – TURNALOAD™ CLAMP

CLAMPS WITH BOTTOM ARM SHUTOFF

Pick up empty pallet, rotate 180° to position pallet on top.

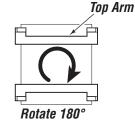


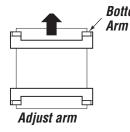


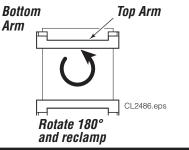


WARNING: If the bottom pallet cannot be picked up because the lower forks are too high, reposition the bottom arm as shown.

IMPORTANT: Positioning the bottom arm outside the width of the frame will reduce frame end damage from dragging on floor.

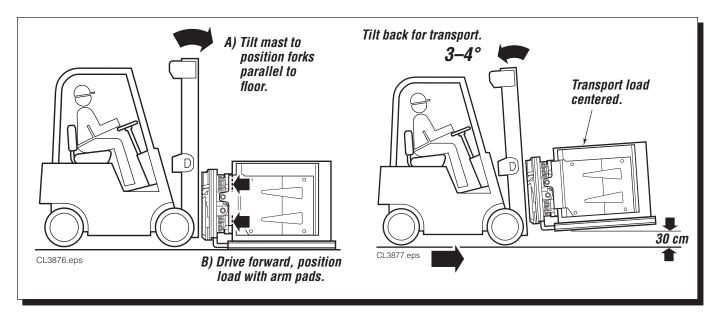


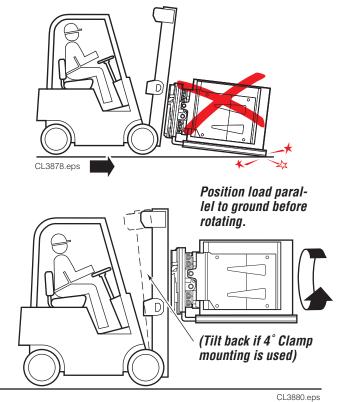


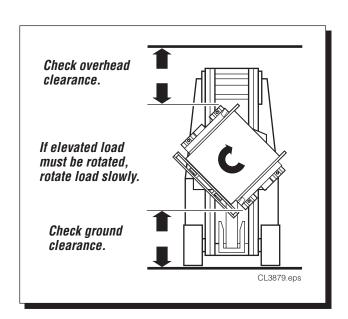


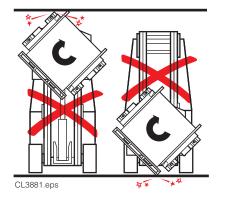
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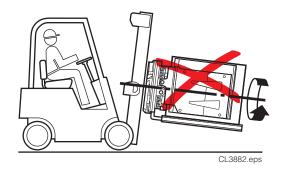
LOAD HANDLING - BULK BOX HANDLER





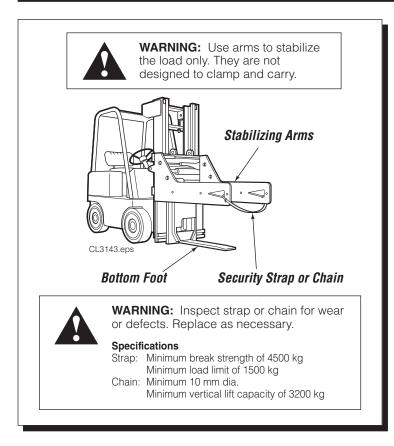






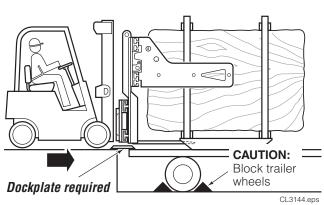


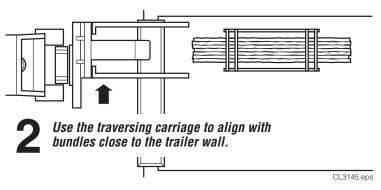
LOAD HANDLING - MARBLE HANDLER

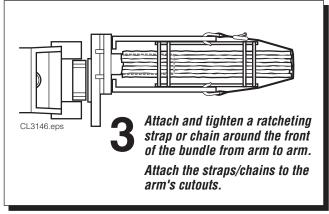


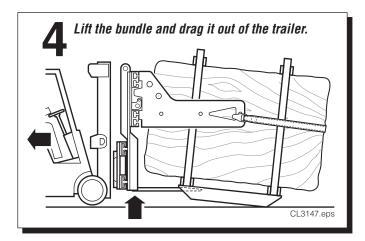
Approach the load and position the foot under the bundle. Clamp stabilizing arms on the bundle.

CAUTION: Inspect trailer and load for damage before loading or unloading.

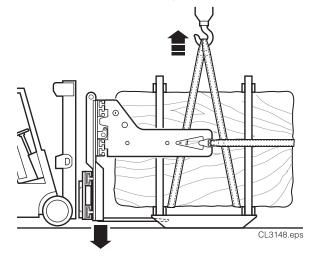




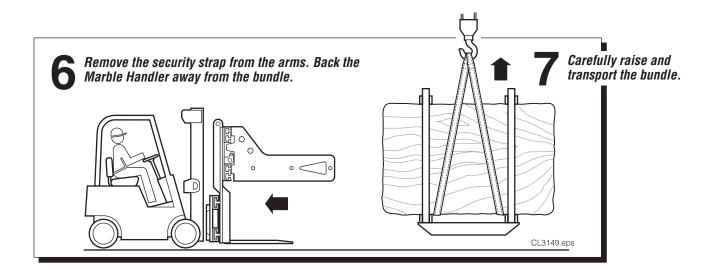


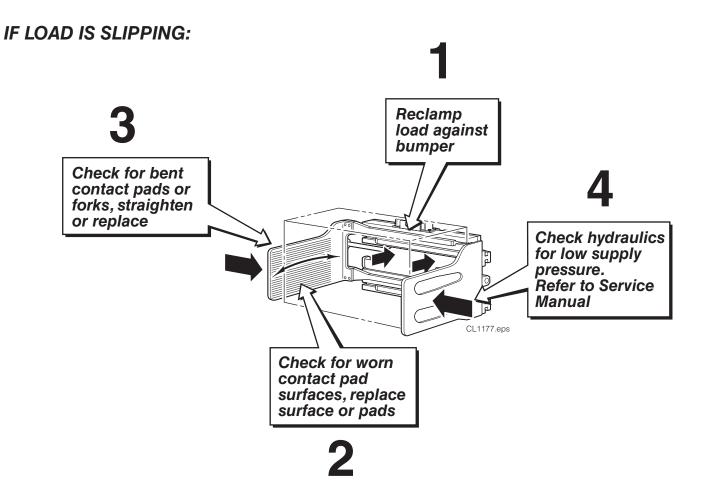


Lower the bundle to just rest on the ground. Secure the load with overhead crane straps. Take up the slack with the overhead crane to support the bundle. Do not lift the bundle while the security strap is fastened.



LOAD HANDLING - MARBLE HANDLER (CONTINUED)





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SAFE OPERATION AND MAINTENANCE

Industrial Trucks and Attachments



WARNING: When operating and maintaining industrial trucks equipped with attachments, you should pay particular attention to the following information. You should be familiar with this information for truck and attachment operation. **Ask your employer for complete operation information.**

General Requirement

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation and maintenance instruction plates, tags or decals shall be changed accordingly.

If the truck is equipped with front-end attachments other than factory installed attachments, the user shall request that the truck be marked to identify the attachments and show the appropriate weight of the truck and attachment combination at maximum elevation with load laterally centered.

The user shall see that all nameplates and markings are in place and maintained in a legible condition.

Safety Guards

If the type of load presents a hazard, the user shall equip fork trucks with a vertical load backrest extension in accordance with the following.

All new powered industrial trucks acquired and used by an employer after February 15, 1972 shall meet the design and construction requirements for powered industrial trucks established in the "American National Standard for Powered Industrial Trucks, Part II, ANSI B56.1" and EN ISO 3691-1, except for vehicles intended primarily for earth moving or over-the-road hauling.

Operator Training

Only trained and authorized operators shall be permitted to operate a powered industrial truck. Methods shall be devised to train operators in the safe operation of powered industrial trucks.

Truck Operations

Trucks shall not be driven up to anyone standing in front of a bench or other fixed object.

No person shall be allowed to stand or pass under the elevated portion of any truck, whether loaded or empty.

Unauthorized personnel shall not be permitted to ride on powered industrial trucks. A safe place to ride shall be provided where riding of trucks is authorized.

The employer shall prohibit arms or legs from being placed between the uprights of the mast or outside the running lines of the truck.

When a powered industrial truck is left unattended, load engaging means shall be fully lowered, controls shall be neutralized, power shall be shut off and brakes set. Wheels shall be blocked if the truck is parked on an incline.

A powered industrial truck is unattended when the operator is 7 meter or more away from the vehicle which remains in his view, or whenever the operator leaves the vehicle and it is not in his view.

When the operator of an industrial truck is dismounted and within 7 meter of the truck still in his view, the load engaging means shall be fully lowered, controls neutralized and the brakes set to prevent movement.

A safe distance shall be maintained from the edge of ramps or platforms while on any elevated dock or platform or freight car. Trucks shall not be used for opening or closing freight doors.

A load backrest extension shall be used whenever necessary to minimize the possibility of the load or part of it from falling rearward.

Traveling

The driver shall be required to slow down and sound the horn at cross isles and other locations where vision is obstructed. If the load being carried obstructs forward view, the driver shall be required to travel with the load trailing.

When ascending or descending grades in excess of 10 percent, loaded trucks shall be driven with the load upgrade.

On all grades the load and load engaging means shall be tilted back if applicable, and raised only as far as necessary to clear the road surface.

Loading

Only stable or safely arranged loads shall be handled. Caution shall be exercised when handling off-center loads which cannot be centered.

Only loads within the rated capacity of the truck shall be handled.

The long or high (including multiple-tiered) loads which may affect capacity shall be adjusted.

Trucks equipped with attachments shall be operated as partially loaded trucks when not handling a load.

A load engaging means shall be placed under the load as far as possible; the mast shall be carefully tilted backward to stabilize the load.

Extreme care shall be used when tilting the load forward or backward, particularly when high tiering. Tilting forward with load engaging means elevated shall be prohibited except to pick up a load. An elevated load shall not be tilted forward except when the load is in a deposit position over a rack or stack. When stacking or tiering, only enough backward tilt to stabilize the load shall be used.

Operation of the Truck

If at any time a powered industrial truck is found to be in need of repair, defective, or in any way unsafe, the truck shall be taken out of service until it has been restored to safe operating condition.

Maintenance of Industrial Trucks

Any power-operated industrial truck not in safe operating condition shall be removed from service. All repairs shall be made by authorized personnel.

All parts of any such industrial truck requiring replacement shall be replaced only by parts equivalent as to safety with those used in the original design.

Industrial trucks shall not be altered so that the relative positions of the various parts are different from what they were when originally received from the manufacturer, nor shall they be altered either by the addition of extra parts not provided by the manufacturer or by the elimination of any parts. Additional counter-weighting of fork trucks shall not be done unless approved by the truck manufacturer.

Industrial trucks shall be examined before being placed in service and shall not be placed in service if the examination shows any condition adversely affecting the safety of the vehicle. Such examinations shall be made at least daily. When industrial trucks are used on a round-the-clock basis, they shall be examined after each shift. Defects when found shall be immediately reported and corrected.



Do you have questions you need answered right now?

Call your nearest Cascade Service Department. Visit us online at www.cascorp.com



Zijn er vragen waarop u direct een antwoord nodig hebt? Neem dan contact op met uwdichtstbijzijnde serviceafdeling van Cascade. Of ga naar www.cascorp.com



Haben Sie Fragen, für die Sie sofort eine Antwort benötigen?

Wenden Sie sich anlhren nächsten Cascade-Kundendienst. Besuchen Sie uns online: www.cascorp.com



En cas de questions urgentes,

contacter leservice d'entretien Cascade le plus proche. Visiter le site Web www.cascorp.com.



Per domande urgenti contattare

l'Ufficio Assistenza Cascade più vicino. Visitate il nostro sito all'indirizzo www.cascorp.com



¿Tiene alguna consulta que deba ser respondida de inmediato? Llame por teléfonoal servicio técnico de Cascade

más cercano. Visítenos en www.cascorp.com



Máte nějaké dotazy, na které nyní potřebujete odpověď?

Zavolejte na nejbližší servisní oddelení Cascade. Navštivte naši webovou stránku www.cascorp.com



Tarvitsetko heti vastauksen kysymykseesi?

Ota yhteys lähimpään Cascade-huoltoon. Käy Internet-sivustollamme www.cascorp.com



Van olyan kérdése, amelyre most azonnal választ vár?

Hívja fel a legközelebbi Cascade Szervizrészleget. Keresse fel honlapunkat a www.cascorp.com címen



Har du spørsmål du trenger svar på akkurat nå? Kontakt den nærmeste Cascade-serviceavdelingen. Besøk oss på Internett under www.cascorp.com



Czy potrzebne są teraz odpowiedzi na jakieś pytania?

Prosimy skontaktować się telefonicznie z najbliższym Działem Serwisowym Cascade. Zapraszamy do naszej witryny internetowej pod adresem www.cascorp.com



Máte nejaké otázky a potrebujete odpoveď ihneď?

Zavolajte najbližšie servisné stredisko spoločnosti Cascade. Pozrite si naše internetové stránky www.cascorp.com

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