

TOOL BOX TALKS

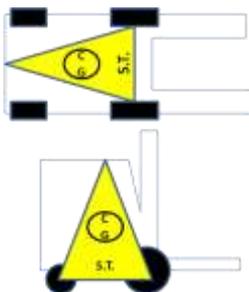
Forklift Rollover Prevention

Each year, tens of thousands of injuries related to forklifts occur in US workplaces. Over 100 workers die in forklift accidents. Many employees are injured when lift trucks are inadvertently driven off loading docks, lifts fall between docks and an unsecured trailer, they are struck by a lift truck, or when they fall while on elevated pallets and tines. Rollovers occur when the forklift load is too heavy or when the forklift is traveling too fast.

WORKSAFE TIPS

CENTER OF GRAVITY

- All moving machines have a center of gravity.
- Forklifts have a center of gravity.
- The forklift center of gravity is dynamic, meaning it moves when the forklift moves, or when the forklift lifts a load.
- The center of gravity in forklifts needs to stay within the “stability triangle.” (SEE BELOW)
- On sit-down lifts the stability triangle is an imaginary triangle that connects both drive wheels and the suspension pivot pin on the steer wheels.
- On reach trucks, the stability triangle connects the single drive / steer wheel with the two front outrigger wheels.
- When the forklift center of gravity leaves the stability triangle, the forklift becomes unstable.
- What causes the center of gravity to leave the stability triangle?
 - ✓ Forklift speed
 - ✓ Load too heavy
 - ✓ Load too high
 - ✓ Load not centered on the pallet
 - ✓ Unstable flooring
 - ✓ Forklift tips



PREVENTING ROLLOVER

- Know the load capacity and load center of the forklift.
- Know that loads that are bulky or big can change the load center, reducing lifting capacity.
- Forklift attachments also reduce lifting capacity.
- Get training before operating the lift.
- Do not drive faster than walking speed.
- Keep the load low when traveling.
- Do not make sharp turns.
- Survey the work area for hazards like:
 - ✓ Ramps
 - ✓ Loading docks
 - ✓ Drop offs
 - ✓ Holes
 - ✓ Floor protrusions

WHEN A ROLLOVER OCCURS

- Wear your seat belt!
- During a rollover the operator may be ejected from the lift and pinned beneath the lift and killed.
- If a forklift tips, brace yourself and hang on.
- Do not attempt to jump clear of the lift.

**FORKLIFT TOO FAST, LOAD TOO HEAVY, LOAD TOO HIGH,
FORWARD TIP**



WorkSAFE

Smart, Accident-Free Environments



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