

# MACHINE DESIGN STANDARDS

Learn about the general, overall machine design standards for mobile elevating work platforms (MEWPs) under ANSI A92.20. The design and classification of machines may vary based on manufacturer and machine type.



As of February 2020, the ANSI deadline was delayed, and now new machine design standards must be met by June 2020. The new compliance date could still change based on appeals filed against the standards. Your existing fleet doesn't need to be retrofitted to meet the new standards, but new equipment must have these features to be compliant.

## WIND FORCE RATING

Wind speed is now factored into machine stability. A machine must withstand a wind speed of 28 mph to be used outdoors.



## LOAD SENSING

Machines actively monitor load and sound an alarm if overloaded. An operator won't be able to begin a job with an overloaded machine.

## MACHINE MARKINGS

Each machine has a dedicated spot to mark the date of the last annual inspection.



## MANUALS

Proper manuals must be on board in the storage box.



## TILT SENSING

Machines no longer operate when the rated slope is exceeded. Drive function will be disabled; boom functions will go into creep. An alarm will also sound.



## ADDITIONAL CONTROLS PROTECTION

Sustained involuntary operation protection helps prevent unintentional operation.



For booms equipped with wire ropes, sensors notify operator of broken or slack wire rope.



## PLATFORM RAILINGS

Increased railing heights for scissors and verticals may require some lifts to have folding rails instead of fixed, non-folding rails.



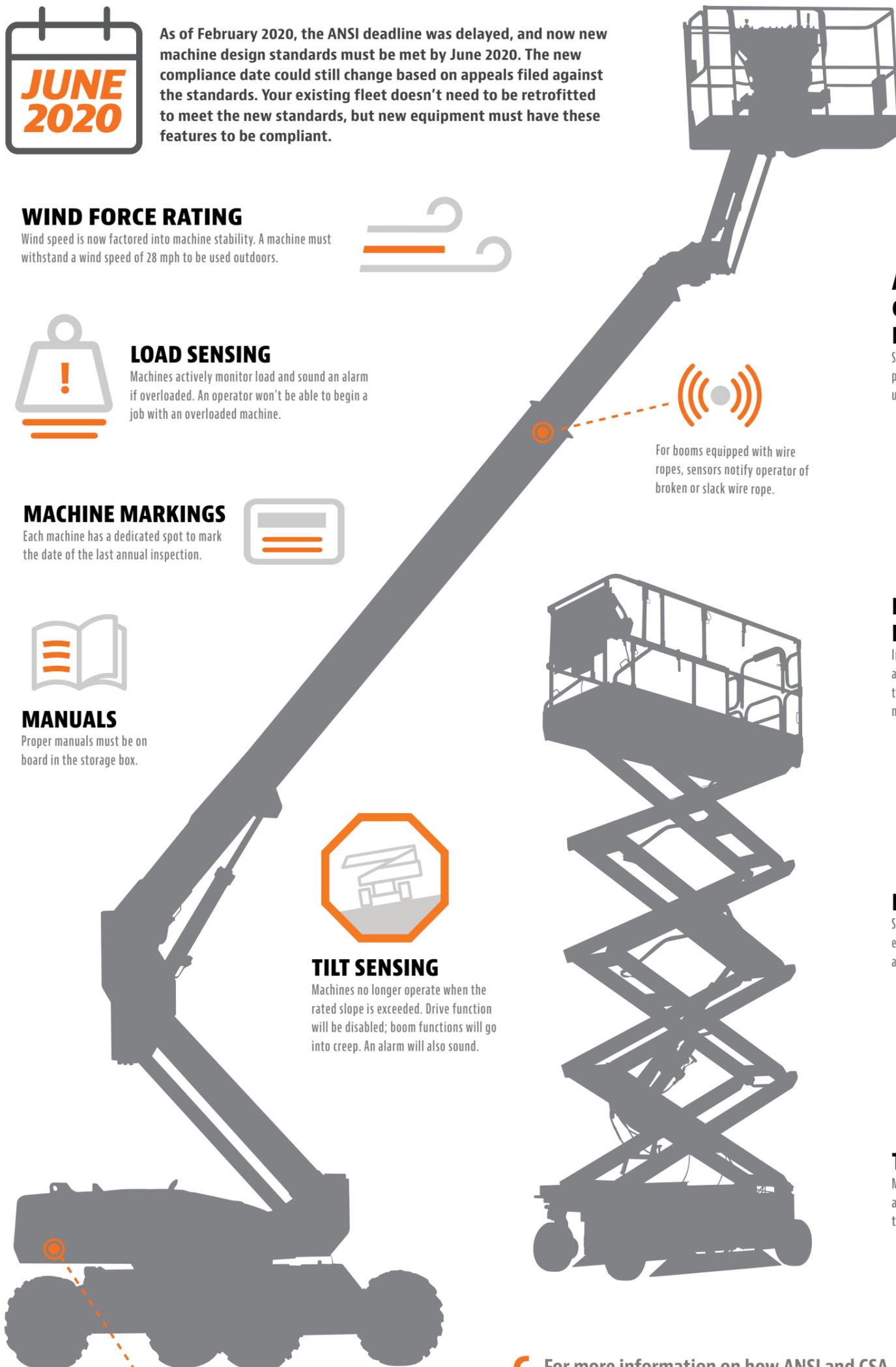
## PLATFORM GATES

Solid gates replace chains on platform entrances. Toe boards must be on all areas of the platform.



## TIRES

Most equipment will only be available with solid or foam-filled tires based on stability guidelines.



Enable switch on the ground control panel of booms has been removed.



For more information on how ANSI and CSA changes will affect you on the job site, reference our JLG® Boot Camp resources at [jlg.com/ANSI](http://jlg.com/ANSI)

