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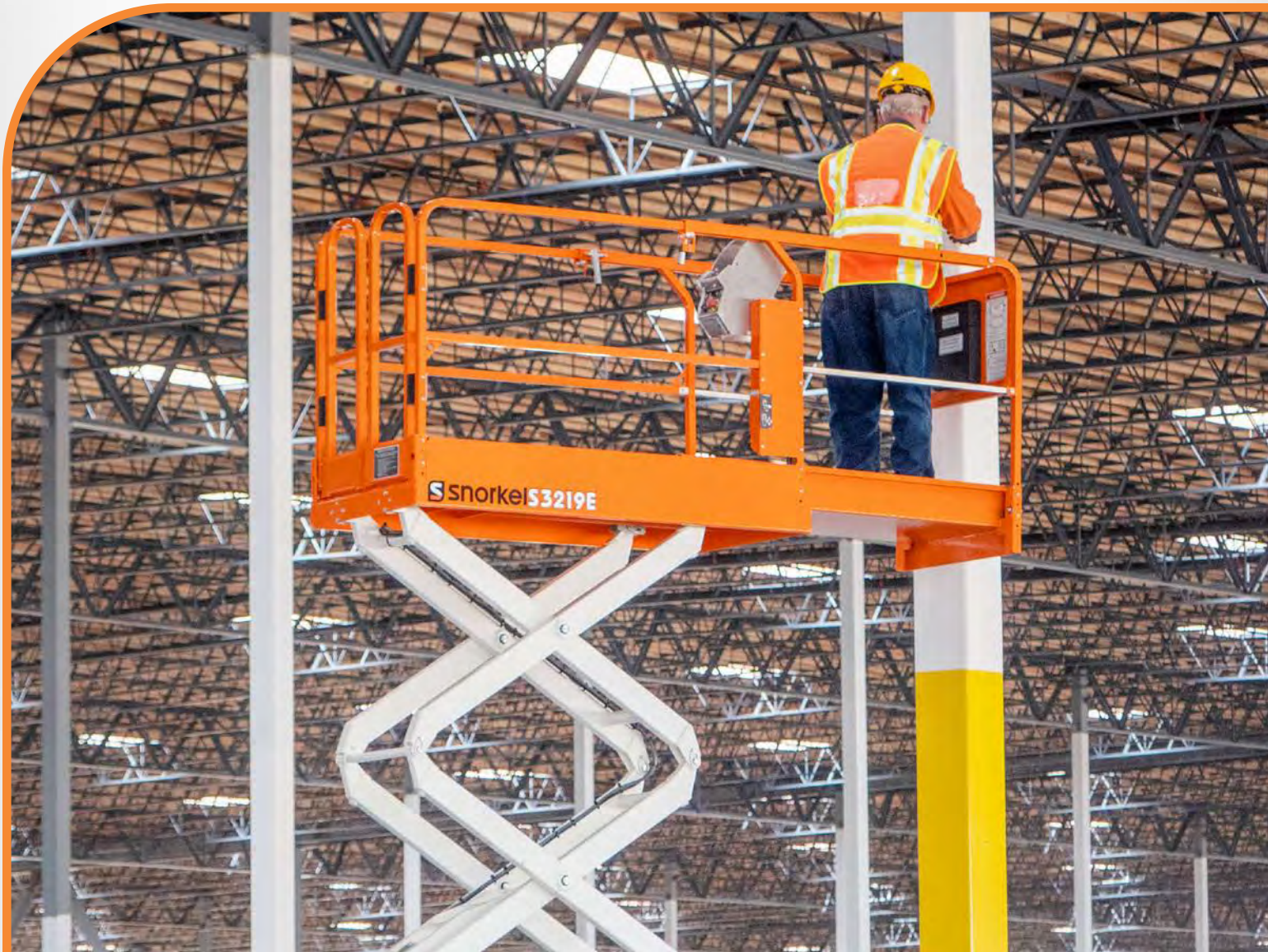
At-A-Glance ANSI A92 Standards

Effective June 2020



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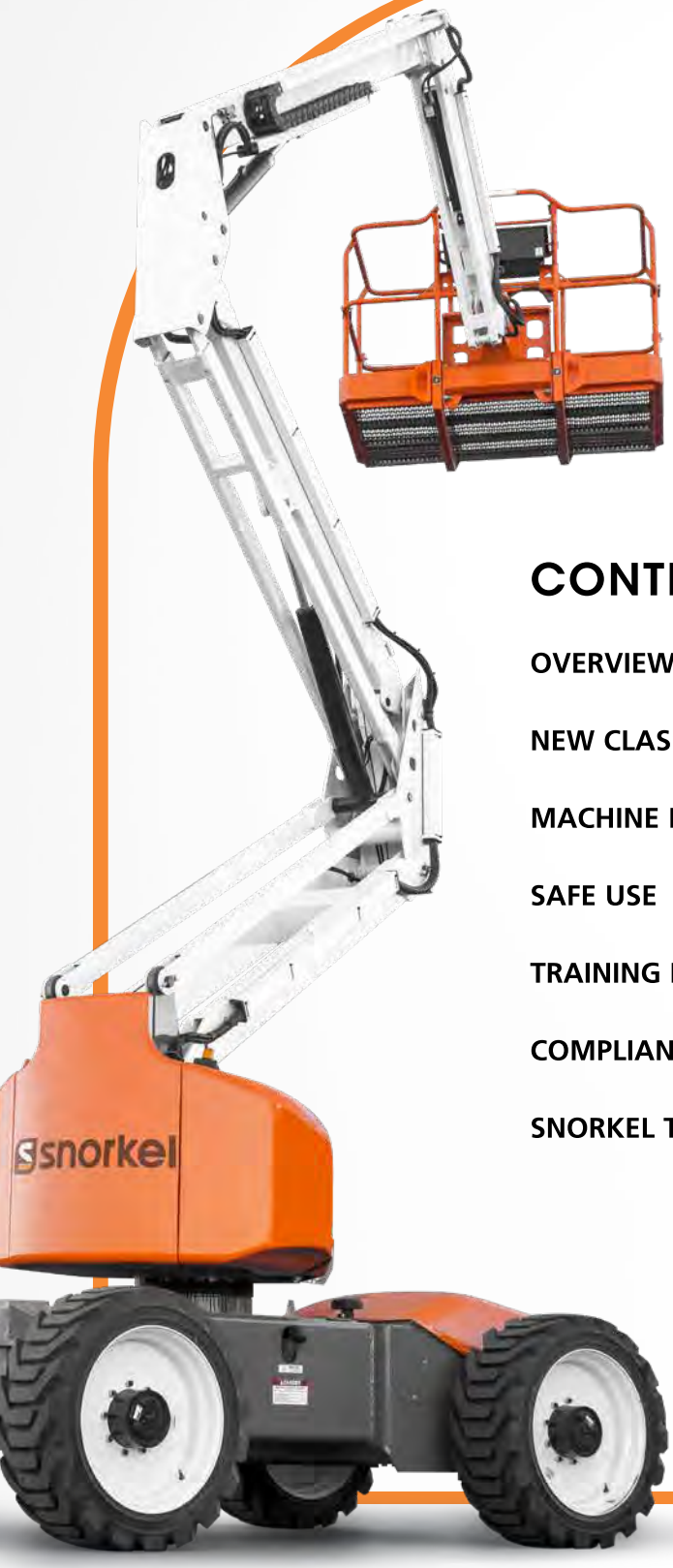

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MEWP
acronym

1. Mobile Elevating Work Platform.
2. Machine/device intended for moving persons, tools and material to working positions, consisting of at least a work platform with controls, an extending structure and a chassis.
3. Formerly known as aerial work platform (AWP).

OVERVIEW

Accredited by the American National Standards Institute (ANSI), the ANSI/SAIA A92 standards are a suite of complementary standardizations that cover the design and testing, safe use, and training for MEWPs. These requirements are based on ISO 16368:2010, which is put forth by the International Organization for Standardization (ISO).

IMPACT

ANSI A92.20 will encompass design and testing aspects for manual and self-propelled masts, scissors, booms and personnel lifts as well as under bridge MEWPs. The safe-use standard, A92.22, and training standard, A92.24, will also apply to all new and existing aerial equipment.

For the U.S., the standards apply to American MEWP manufacturers, as does the EN280 in Europe, AS1418.10 in Australia and CSA B354.6 in Canada. While each set contains some unique regional requirements, machines that comply with the standards generally can be sold and operated in most major markets worldwide.

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NEW CLASSIFICATIONS

Under ANSI A92, mobile elevating work platforms are categorized first by configuration, or group, and then defined by traveling, or type.

GROUP A
MEWPs with vertically moving platforms that stay inside the tipping lines

GROUP B
All other MEWPs with platforms that extend past the chassis, including boom lifts

TYPE 1
A MEWP that can only travel in the stowed position, including push-around and self-propelled models

TYPE 2
A MEWP that can be driven at height and controlled from the chassis*

TYPE 3
A MEWP that can be driven at height and controlled from the platform*

*Type 2 & 3 can be combined

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MACHINE DESIGN

Per ANSI A92.20 & CSA B354.6, newly manufactured or remanufactured MEWPs in North America must comply with requirements on or after the effective date. Machines produced, or rebuilt with original manufacture dates, prior to the new standards need not be retrofitted.

LOAD SENSING

A platform load sensing system monitors, alerts and stops operation, except emergency controls, if the rated platform load reaches or exceeds 120% of the rating.

MACHINE MARKINGS & MANUALS

Machines must have a means to mark the date of the last inspection. Operator manuals must be placed in a storage box at all times.

ENTRANCE GATES

Machines must be designed with gravity gates, swing gates or saloon gates. Additionally, toeboards are required at the entrance of all boom lifts.

TIRES

Most machines will be equipped with foam filled or solid tires to comply with stability requirements. Any pneumatic tire equipped machine must undergo flat tire testing or be equipped with a tire pressure monitoring system.

PLATFORM RAILINGS

The minimum requirement for handrail height increased from 39 in. to 43.3 in. (0.9m to 1.1m), which may require folding instead of fixed handrails to pass through doorways.

WIND FORCE

Any machine operating outdoors, or in areas of potential wind load, must be able to withstand up to 28 mph (12.5m/s) winds.

TILT SENSING

Boom and drive functions will be disabled if the machine reaches or exceeds the limits of chassis inclination.

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SNORKEL RECOMMENDATION:

Any entity involved in the use of MEWPs should purchase ANSI A92 standards and thoroughly read and understand the requirements pertaining to them. It is critical that compliance with this standard becomes part of every operator's normal workday routine.

SAFE USE

ANSI A92.22 & CSA B354.7 outlines requirements for the safe use of MEWPs as well as assessments of the work sites for hazards.

SAFE USE PLANNING

- **Work site risk assessments:** Consider MEWP-related and specific jobsite hazards
- **Selection of proper MEWPs:** Choose the proper machine for the job, such as scissor lift, boom lift or mast lift
- **Inspection, familiarization and training:** Provide proper training to occupants and supervisors
- **Monitored use by a qualified supervisor**

RECORDS RETENTION

Operator training, retraining and familiarization records need to be dated and retained for at least four (4) years including:

- **Training -** Name of trainee, training entity, trainer and MEWP classification (group & type)
- **Familiarization -** Name of persons receiving and providing familiarization, MEWP classification (group & type)

MODIFICATIONS

Owners of equipment must have approval by either the manufacturer of the MEWP or a qualified engineer with experience in the industry to make modifications to MEWPs.

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SNORKEL RECOMMENDATION:

Owners are highly encouraged to seek approval of modifications to ensure machines meet the rigorous safety standards that are built into the designs.

MAINTENANCE & INSPECTION

Pre-delivery, pre-start, frequent and annual inspections, as well as all necessary and scheduled maintenance, are critical to the safe operation of all MEWPs.

OPERATION

Occupants and supervisors of MEWPs should consider the following:

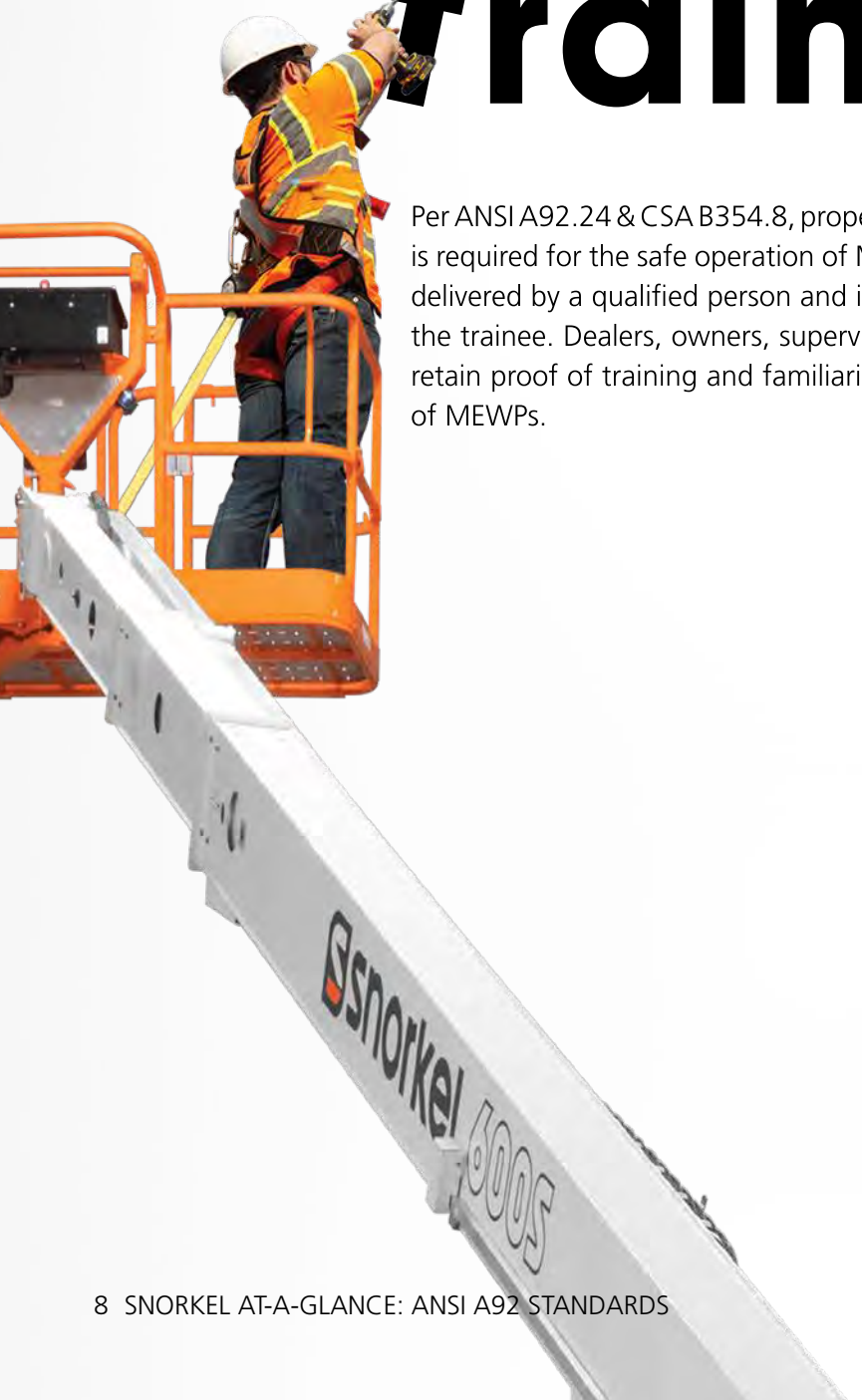
- ☑ Assess risks
- ☑ Rescue plans
- ☑ Personnel qualification and training
- ☑ Work site inspections
- ☑ Specific operating hazards
- ☑ Weather and wind
- ☑ Electrical hazards
- ☑ Fall protection
- ☑ Use in public areas
- ☑ Hazardous environments
- ☑ Exiting platforms at height

QUALIFIED PERSON
noun

1. One who possesses a recognized degree, certificate or professional standing, or by extensive knowledge, training and experience, to solve or resolve problems.

training

Per ANSI A92.24 & CSA B354.8, proper training and familiarization is required for the safe operation of MEWPs. Training needs to be delivered by a qualified person and in a language understood by the trainee. Dealers, owners, supervisors and occupants all must retain proof of training and familiarization for each classification of MEWPs.



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SUPERVISOR

Personnel who directly supervise MEWP operators must be trained in:

- Proper selection of MEWP for the work performed
- Rules, regulations and standards applying to the MEWP, including training, familiarization and safe use
- Identifying and protecting against potential hazards associated with use of the MEWP
- Proper storage and knowledge of manufacturer's operation manuals

MANUFACTURER

Manufacturers shall develop and offer training material to aid in the compliance of all required personnel with their responsibilities for training and familiarization. Upon request, manufacturers shall offer familiarization at delivery to a person designated by the receiving party.

DEALERS/OWNERS

Dealers/owners shall train and familiarize and have proof of training/familiarization for all who are authorized to operate MEWP's:

- When requested by the user, shall offer familiarization to the designated to receive the MEWP's.
- When selling, leasing, renting or otherwise provides a MEWP for beneficial use, shall offer operator training or advise where training may be obtained.

OCCUPANTS

An entity on the work platform must be trained in the following, with at least one occupant trained in the operation of controls in an emergency where the operator cannot.

- Use and location of fall protection and fall protection anchors
- How actions could affect stability

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COMPLIANCE

Snorkel lifts are engineered to an uncommon level of safety and durability. From advanced designs to comprehensive operator training, we incorporate safety into every aspect from the production lines to jobsites.

SNORKEL GUARD™ ANTI-ENTRAPMENT SYSTEM

Snorkel Guard™ is fitted as standard on all new build Snorkel boom lifts. The system features a spring-loaded rail mounted above the platform controls, which cuts out machine operations when pressure is applied. A retrofit kit is available for most Snorkel booms in the field.

SALOON-DOOR STYLE ENTRY GATES

Since 2014, saloon-door style entry gates on the platform come as standard on many Snorkel lifts to provide easy access, even when carrying tools and materials.

TOEBOARDS

Toeboards at the entrance come as standard on newly designed Snorkel boom lifts. These are also available as an option for Snorkel boom lifts in the field.

TIRES

Since 2016, Snorkel has been offering primarily foam filled and solid tires.

Snorkel training

At Snorkel, experienced, certified technicians provide comprehensive operator training in the classroom and on the job.

ACADEMY

Snorkel offers operator training and a Train-the-Trainer Program for all Snorkel MEWPs at it's Academy located in Las Vegas, Nevada. Contact Snorkel to schedule training.

ON-SITE

Regionally based technical staff provide on-site training. Visit **www.snorkellifts.com** to find your nearest technical representative.

For more information or to schedule training, please email
training@snorkellifts.com

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