

# Toolbox Talk

## Rollover Protective Structures

### Subpart W - 1926.1000

#### What Is It?

A Rollover Protective Structure (aka Roll Cage) is the metal enclosure that protects the operator on a piece of mobile equipment. These structures protect the operator from potentially fatal roll over accidents, as well as “Struck By” and “Caught Between” incidents.

This subpart applies to 7 types of material handling equipment:

- (1) All rubber-tired, self-propelled scrapers;
- (2) Rubber-tired front-end loaders;
- (3) Rubber-tired dozers;
- (4) Wheel-type agricultural and industrial tractors;
- (5) Crawler tractors;
- (6) Crawler-type loaders;
- (7) Motor graders with or without attachments.

Agricultural and industrial tractors used in construction shall be equipped with rollover protective structures that meet the minimum performance standards as well.

#### Who Needs To Know This?

Employers and Operators who use any of the seven kinds of equipment listed above should familiarize themselves with the specific standards and these dates:

##### Important Dates

Equipment manufactured before July 15, 2019 shall be equipped with rollover protective structures that meet the minimum performance standards prescribed in **1926.1001(b)**

*Essentially stating the structure must be capable of supporting the weight of the machine, from multiple different angles simulating a roll over. And the dimensions for the operator.*

Equipment manufactured on or after July 15, 2019. **1926.1001(c)**.

*All manufacturers must meet a criteria set by the ISO (International Organization for Standardization.)*

#### Labeling

To ensure the ROPS meets the tested criteria it shall have the following information permanently affixed to the structure:

- Manufacturer or fabricators name and address
- ROPS model number (if applicable)
- Machine make, model, or series number that the structure is designed for (i.e. bolt on kits)

#### Employer Responsibilities

- Train workers on safe operation before work begins and annually
- Replace ROPS if an overturn occurs
- Inspect regularly for damages

### Operator / Worker Responsibilities

- Securely fasten seat belt
- Do not carry passengers
- Drive slowly near ditches, slopes, standing water, and slippery surfaces
- Watch for overhead clearance, some ROPS limit your sight lines
- Do not use the ROPS as attachment points for towing or rigging

A Rollover Protective Structure only works when the operator stays inside. The use of a seatbelt is required, and no other passengers can ride on the machine unless it is designed to do so.

1926.602(a)(2)(iii) - Seat belts need not be provided for equipment which does not have ROPS or adequate canopy protection. *This is so the operator can jump off and away in case of a roll over.*