

## 1910.23(e) Rolling ladders, mobile ladder stands and platforms

### Step Width 1910.23(e)(1)(i)

Rolling ladders must have a step width of at least 16 inches (41 cm)

### Slip Resistant 1910.23(e)(1)(ii)

Steps and platforms must be slip resistant either by design/construction or secondary process/operation

### Support 4x Max Intended Load 1910.23(e)(1)(iii)

Stands and platforms are capable of supporting at least 4x their maximum intended load

### Wheels must support 4 times the max load 1910.23(e)(1)(iv)

Casters or wheels under load must support 4x the maximum intended load, plus their proportional share of the ladders/unit's weight

### Handrails 1910.23(e)(1)(v)

Unless otherwise specified, rolling ladders and platforms with a top step height of 4 feet (1.2 m) or above, must have handrails with a vertical height of 29.5 inches (75 cm) to 37 inches (94 cm), measured from the front edge of a step

### Work Surface Height 1910.23(e)(1)(vi)

The maximum work-surface height of mobile ladder stands and platforms does not exceed four times the shortest base dimension, without additional support.

### Casters 1910.23(e)(1)(vii)

Mobile ladder stands and platforms that have wheels or casters are equipped with a system to impede horizontal movement when an employee is on the stand or platform

### Wheels Cannot Move 1910.23(e)(1)(viii)

No rolling ladder can move while you or an employee is on it

## 1910.23(e)(2) Rolling Ladder Stand Design Requirements

### Rise & Depth 1910.23(e)(2)(i)

Steps are uniformly spaced and arranged, with a rise of not more than 10 inches (25 cm) and a depth of not less than 7 inches (18 cm). The slope of the step stringer must not be more than 60 degrees

### Handrail 1910.23(e)(2)(ii)

Rolling ladders with a top step height above 10 feet (3 m) have the top step protected on three sides by a handrail with a vertical height of at least 36 inches (91 cm); and top steps that are 20 inches (51 cm) or more, front to back, have a midrail and toeboard.

### Standing Area 1910.23(e)(2)(iii)

The standing area of a rolling ladder is within the base frame

## 1910.23(e)(3) Platform Design Requirements

### Steeper Slope Exceptions 1910.23(e)(3)(i)

Steps of mobile ladder stand platforms meet the requirements of paragraph (e)(2)(i) of this section. When the employer demonstrates that the requirement is not feasible, steeper slopes or vertical rung ladders may be used, provided the units are stabilized to prevent overturning;

### Handrails 1910.23(e)(3)(ii)

1910.23(e)(3)(ii) Rolling ladders with a platform height of 4-10 feet (1.2-3 m) have, in the platform area, handrails with a vertical height of at least 36 inches (91 cm) and midrails; and it

### Guardrails & Toeboards 1910.23(e)(3)(iii)

All ladder stand platforms with a platform height above 10 feet (3 m) have guardrails and toeboards on the exposed sides and ends of the platform

### Chains & Gates 1910.23(e)(3)(iv)

Removable gates or non-rigid members, such as chains, may be used on mobile ladder stand platforms instead of handrails and guardrails in special-use applications