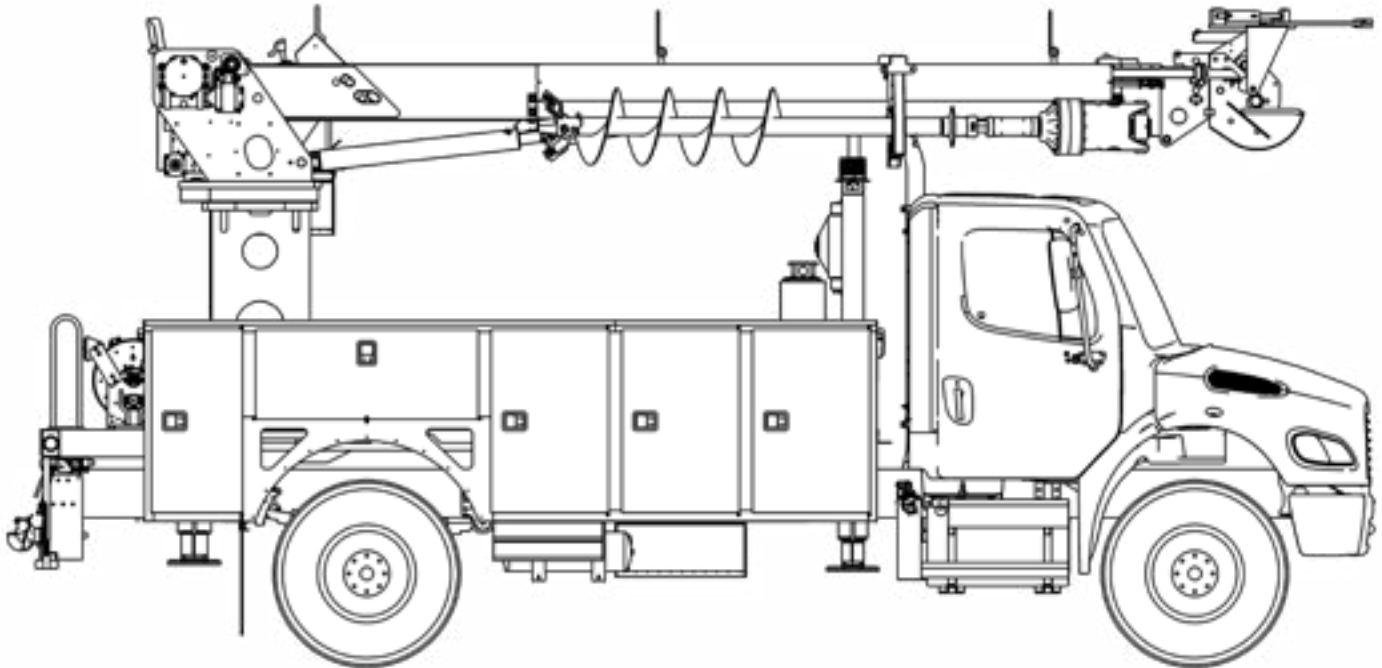




# TECH TIPS

SETTING UP A DIGGER DERRICK ON A SLOPE

NO. 158



**SERVICE CALL:**  
SETTING UP A DIGGER DERRICK  
ON A SLOPE



**MODEL(S):**  
ALL TEREX UTILITIES DIGGER  
DERRICKS



**TOOLS NEEDED:**  
NONE

TEREX UTILITIES TECHNICAL SUPPORT TEAM

PHONE: 1-844-TEREX4U (1-844-837-3948) | EMAIL: [UTILITIES.SERVICE@TEREX.COM](mailto:UTILITIES.SERVICE@TEREX.COM)



## **DANGER**

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

## **DO NOT PERFORM MAINTENANCE UNLESS:**

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



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## ALL DIGGER DERRICKS

All Terex digger derricks must be on level ground for capacity shown on the load chart. For digger use, the chassis must be less than 5 degrees to prevent overloading the rotation system. If the chassis isn't level, the operator must reduce the lifting capacity. The tires should remain on the ground.



This Digger Derrick has been tested for lifting on flat level ground only. If not level the capacity is reduced. If the ID plate indicates a platform capacity it has been tested on flat ground up to a 5 degree slope. Exceeding these ground slopes can result in vehicle tipping over.

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## PERSONNEL PLATFORM

If the derrick is equipped with a personnel platform, it then follows the aerial device requirements for stability (per the ANSI A10.31 digger derrick standard).

When lifting personnel in the platform, the chassis must be with 5 degrees of level. If the ground slope is more than 5 degrees, the tires must be cribbed or blocked until the chassis is at 5 degrees or less before setting the outriggers. Our digger derricks do not require the tires to be off the ground for operation.

# DANGER

## OVERTURNING HAZARD DEATH OR SERIOUS INJURY

May result from overturning machine

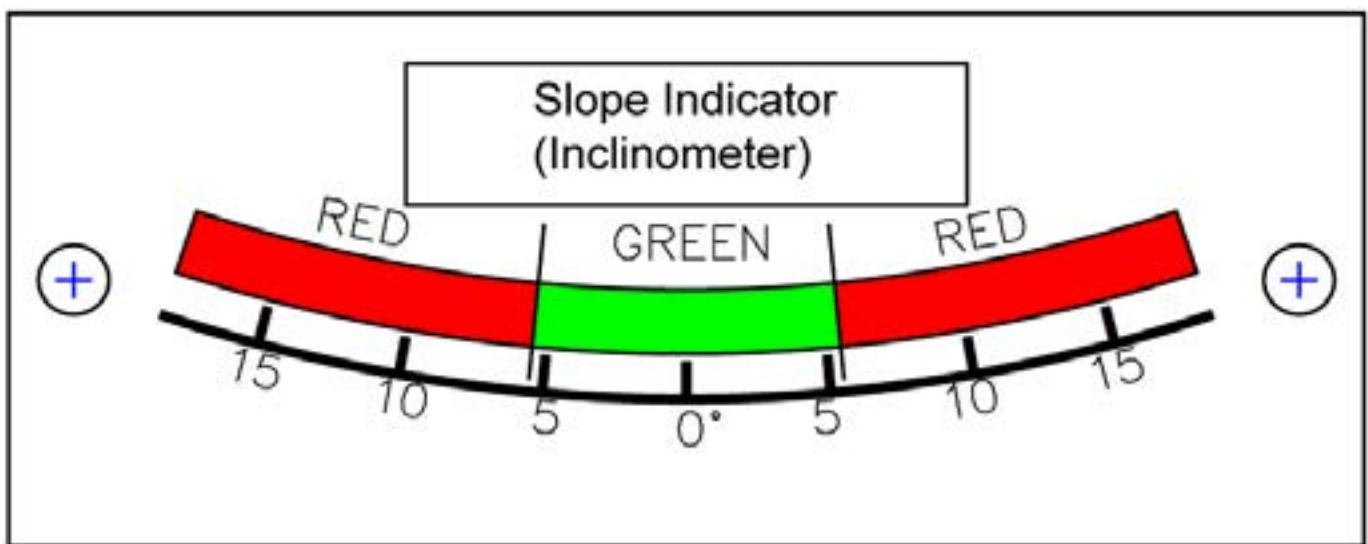
For material handling, lifting operations the Digger Derrick must be level.

- Lift capacity is determined in a level position of the truck.
- If the truck is not level the capacity is reduced

For lifting people, in a boom tip platform, the truck must be at less than a 5 degree slope.

- This unit has been tested for stability on a maximum slope of 5-degrees.
- Working on slopes that exceed 5 degrees may result in truck tipping over.

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FOR FURTHER ASSISTANCE,  
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM  
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