

OCCUPATIONAL SAFETY · POWER TOOLS

VITS

# Angle grinder

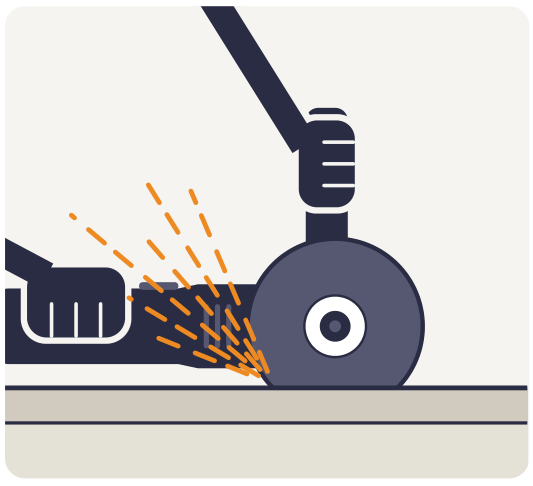
Fragments of a burst disc fly at up to 288 km/h. **A worker used an angle grinder without a guard. The disc burst and a fragment struck them in the heart. They died at the scene.**

**Possible consequences**

- Serious injury or death
- Eye injury
- Cut injury
- Burns
- Hearing damage

CUTTING METAL

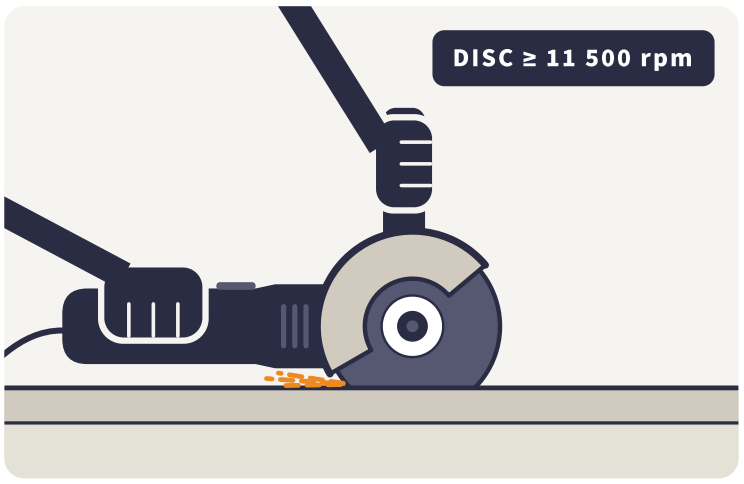
## No guard



- Guard has been removed
- Sparks fly towards the worker
- Fragments can hit them

CUTTING METAL

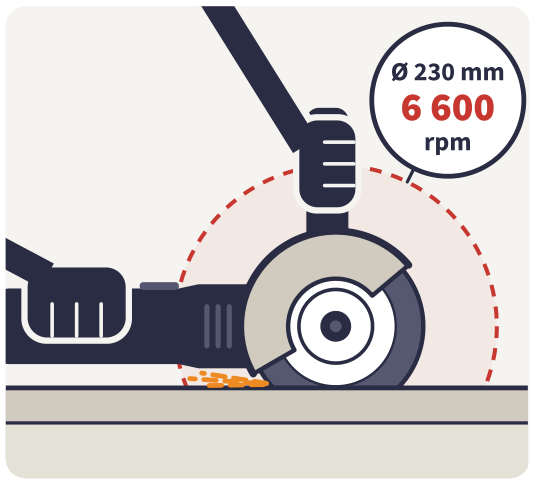
## Guard on




- Guard is between disc and worker
- Guard keeps sparks low
- Worker holds it with both hands

LARGE GRINDER DISC

## Wrong disc




- It is a worn 230 mm disc
- Grinder runs at 11 500 rpm
- Disc can burst

Users must not disconnect, alter or remove safety devices on work equipment without authorisation.

## DO

- **Check the disc is rated for the tool’s speed.**
- **Check the disc for expiry date and cracks.**
- **Run the disc for a minute; stand clear of its line.**
- **Set the guard so sparks fly away from you.**
- **Use both hands and the side handle.**
- **Wear safety glasses and earmuffs.**
- **Secure the workpiece in a vice or with a clamp.**
- **Keep others away from the work area.**

## DON’T

- **Don’t remove the guard**
  It guards against fragments, sparks and touching the disc.
- **Don’t use worn discs from large grinders**
  They can’t take a small grinder’s higher speed and can burst.
- **Don’t grind with the side of a cutting disc**
  Side pressure can shatter the disc.
- **Don’t fit a saw blade to a grinder**
  A toothed or chain disc causes kickback.
- **Don’t stand in line with or behind a spinning disc**
  Kickback can throw the disc and tool straight at you.
- **Don’t put the grinder down until the disc stops**
  The disc can catch the surface and pull the tool away.
- **Don’t grind or cut near flammable material**
  Sparks can ignite it.

REMEMBER

**Guard on. Right disc. Both hands.**

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