

# Angle Grinder



### Safety

Use eye- and hearing protection! Please read the instructions carefully!



Make sure you are using the correct disc for the job, and use it correctly!





Vinkelsliper

An angle grinder is a highly flexible, multipurpose powertool. This is because many different discs are available for different purposes. However, each disc type is specialized and should only be used for its intended purpose!

If you have never used this tool before, please contact a member of the board. You can find a list of HMS approved personell [here](#).

## Disc Types

Type	Image	Description	Materials
Cutting	<a href="#">blocked URL</a>	Used for cutting metal. Flat and thin, about 1-2mm thick. Must <i>only</i> be used for cutting! Must only be pressured radially! <b>Do not pressure the side of the disc (axially)!</b>  Using a cutting disc incorrectly is one of the most dangerous things you can do with an angle grinder.	Steel
Grinding	<a href="#">blocked URL</a>	Used for grinding metal. Similar in texture to a cutting disc, but thicker (about 4-8mm) and has a "valley" where the arbor is inserted.	Steel
Lamell	<a href="#">blocked URL</a>	Used for grinding metal. Grinds more finely Consists of small sheets of sandpaper arranged in a circle.	Steel
Paint removal		Used for removing paint or rust.	Metals and other hard stuff
Brushing	<a href="#">blocked URL</a>	Used for steel brushing, for example to remove paint or rust.	Metals and other hard stuff
Polishing	<a href="#">blocked URL</a>	Used for fine polishing. Used together with polishing paste.	Metal and other hard stuff
Woodwo rking	 Trevirke	Used for sawing or grinding wood. We currently don't have one at OV.	Wood

## Instructions

### Protective Equipment

#### Mandatory

- Eye protection (goggles or mask)

- Hearing protection

## Recommended

- Jacket or apron (against sparks)

## Safe Usage

- Make sure the workpiece is properly fixed. Use a vise (*skrustikke*) or clamps.
- Make sure the disc is properly attached, but don't tighten it too much. As long as it is properly fixed, it will tighten itself to the appropriate level. The lever tool is for loosening, *not* for tightening.
- Hold the angle grinder in a firm grip. Pulling or twisting forces may appear unexpectedly.
- Do not not apply excessive force to the angle grinder. As long as you are using the correct disc, the angle grinder will easily cut without much force. Control is much more important.
- Do not ever remove the protection hood around the disc! This is very dangerous! The hood can be adjusted to accommodate different cuts.
- Again: Make sure you are using the correct disc for the job, and use it correctly!

## Maintenance

From experience the first things to break on these are the windings, which can't be repaired. Worth checking if the problem is with electronics.