

 VDL STEELWELD	WORK INSTRUCTION	Date: 01-01-2025	Enterprise Management System
<h1>Sheet metal shear</h1>			

1. Purpose

The purpose of these safety instructions is to ensure that, having read the instructions, the employee is aware of the risks associated with the described work activities and can perform them safely.

2. General

A sheet metal shear uses a shearing blade to cut sheet metal.

3. Risks

- Cuts caused by sheet metal trimmings
- Becoming trapped between sheet metal and shear table or accessories

4. Measures

- Maximum distance finger protection – shear table.
The distance between the underside of the finger protection and the top of the shear table has to be set precisely. It should be adjusted so that it is impossible for fingers to be placed under the hold down or blade.

The various adjustments depend on the thickness of the sheet metal.

The risk is that when cutting thicker plates the gap beside the sheet metal may be too large.

Sheet thickness	4 mm	6 mm	8 mm	10 mm
Distance	<8 mm	<10 mm	<12 mm	<16 mm

(Dimensions may vary when finger protection is set at an angle. The information above is applicable when the finger protection is straight up and down, right in front of the hold downs and blade)

- Protection against cutting/becoming trapped
- Use of plate shear only by certified personnel
- The plate shear is equipped with an emergency stop
- Check whether the machine is certified before use

5. Picture



6. Pictograms



7. Required PPE



- Wear the required PPE
- Clamp the sheet metal with at least one hold down
- Clean up sheet metal trimmings
- Only feed in material from the front of the machine
- Make sure no one is present inside the rear guard
- Make sure the guard is present on the sheet metal shear
- Check whether the machine is certified before use
- Set the proper distance between the finger protection and the top of the shear table



- No bent sheet metal or sheet metal with a pattern
- Do not use the machine if someone is inside the rear guard
- Never remove or disable machine protection devices
- Do not wear loose clothing during operation
- Do not use the machine if you are not trained to do so

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