

Risk assessment for  
use of Sherline lathe.

**Hazards.**

- 1) Chips in eyes.
- 2) Hair or clothing caught in rotating parts.
- 3) Objects ejected from chuck.
- 4) Sharp objects and chips cutting fingers.

**Persons at risk.**

Operator.

Persons nearby.

Initial assessment of risk

Hazard identified	Severity	Probability	Risk Factor
Chips in eyes	3	2	6
Hair caught in chuck	3	2	6
Objects ejected	2	2	4
Sharp objects	1	3	3

**Control measures.**

Users will be required to attend training to learn how to use the tool safely.

Safety glasses will be worn.

Check everything is secure before starting motor.

Hold work piece correctly.

Always use a brush to clean away chips and swarf.

Final assessment of risk

Hazard identified	Severity	Probability	Risk Factor
Chips in eyes	3	1	3
Hair caught in chuck	3	1	3
Objects ejected	2	1	2
Sharp objects	1	2	2

## Points system

<b>Hazard severity</b>	<b>Points Rating</b>	<b>Definition</b>
Nil	1	Very minor injury, bruise, graze, no risk of disease.
Slight	2	Minor injury, which would allow the individual to continue work after first aid treatment on site or at a local surgery. The duration of the stoppage or treatment is such that the normal flow of work is not seriously interrupted.
Moderate	3	Temporary disability causing injury or disease capable of keeping an individual off work for three days or more and reportable under RIDDOR
High	4	Causing death, serious injury or permanent disability to an individual.
Very high	5	Causing multiple deaths and widespread destruction eg. fire, building collapse.

<b>Hazard likelihood</b>	<b>Points Rating</b>	<b>Definition</b>
Remote possibility	1	There is really no risk present. Only under freak conditions could there be any possibility of an accident or illness. All reasonable precautions have been taken - This should be the normal state of the workplace.
Unlikely	2	This incident or illness might occur but the probability is low and the risk minimal.
Possible	3	The accident may occur if additional factors precipitate it, but it is unlikely to happen without them.
Highly likely	4	Will happen more often than not. Additional factors could precipitate an incident but it is still likely to happen without this additional factor. If the work continues as it is, there is almost 100% certainty that an accident will happen, for example:
Inevitable	5	<ul style="list-style-type: none"> <li>• A broken stair or broken rung on a ladder</li> <li>• Bare, exposed electrical conductors</li> <li>• Unstable stacks of heavy boxes</li> </ul>

<b>Risk Rating Score</b>	<b>Definition</b>	<b>Action</b>
1 to 4	Low	No action required
5 to 9	Moderate	Reduce risks if reasonably practicable
10 to 15	High Risk	Priority action to be undertaken
16 to 25	Unacceptable	Action must be taken IMMEDIATELY