

## Angle Grinder

## Risk assessment

This table outlines the possible risks that users of this tool should bear in mind. The risk rating, likelihood, and severity are all calculated assuming that the listed control measures are followed. If you are uncomfortable with these risks, or are not confident in your ability to use this tool safely, please do not use it.

Risk rating	Likelihood	Severity	Hazard	Who may be harmed & how	Control measures
M	M	H	Injuries due to contact with spinning disc	<ul style="list-style-type: none"> <li>User - may sustain deep cuts or amputations from contact with moving disc</li> <li>Bystander - may be injured if user loses control of tool</li> </ul>	<ul style="list-style-type: none"> <li>Signage – blade hazard and PPE signage present</li> <li>Training – users trained in proper control and safe use; safety enforced via access control</li> <li>Equipment – disc guard, side handle, gloves, first aid kit</li> </ul>
M	M	H	Injuries due to disc shatter or kickback	<ul style="list-style-type: none"> <li>User – injured by fragments or loss of control</li> <li>Bystander – may be struck by disc fragments or tool</li> </ul>	<ul style="list-style-type: none"> <li>Signage – warning signs about correct discs and PPE</li> <li>Training – users instructed on correct mounting and disc inspection</li> <li>Equipment – only compatible discs used, with intact guard and rated RPM; eye and face protection required</li> </ul>
M	M	M	Burns or fire from sparks or hot materials	<ul style="list-style-type: none"> <li>User – burns from hot surfaces or sparks</li> <li>Others – fire risk from flammable materials nearby</li> </ul>	<ul style="list-style-type: none"> <li>Signage – hot surface and fire hazard signage</li> <li>Training – users warned about heat buildup and spark path</li> <li>Equipment – fire extinguisher nearby, flammables cleared from area</li> </ul>
L	L	M	Hearing damage	<ul style="list-style-type: none"> <li>User – may experience hearing loss from prolonged exposure</li> <li>Bystanders – may be affected by continuous use in shared space</li> </ul>	<ul style="list-style-type: none"> <li>Signage – noise hazard posted</li> <li>Training – users instructed to wear hearing protection</li> <li>Equipment – ear defenders or plugs provided</li> </ul>
L	L	M	Respiratory injury from dust and particles	<ul style="list-style-type: none"> <li>Users and others – may inhale fine dust or abrasive particles</li> </ul>	<ul style="list-style-type: none"> <li>Signage – PPE and dust hazard signage present</li> <li>Training – users taught which materials produce hazardous dust (e.g., stone, concrete, metals)</li> <li>Equipment – Masks and eye protection recommended, eye wash kit available</li> </ul>

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Risk rating	Likelihood	Severity	Hazard	Who may be harmed & how	Control measures
L	L	M	Entanglement or snagging in rotating parts	<ul style="list-style-type: none"><li>User – may sustain pulling or tearing injuries if clothing, gloves, or hair are caught</li></ul>	<ul style="list-style-type: none"><li>Signage – entanglement warnings posted</li><li>Training – users instructed to remove jewellery, tie back hair, wear tight-fitting PPE</li><li>Equipment – first aid kit available, use of side handle required</li></ul>