



## MQA SURFACE SKILLS PROGRAM – MQA/SP/0177/19

<b>SAQA US ID</b>	<b>230020</b>	<b>SPECIALISATION ELECTIVE</b>		
<b>Unit Standard Title</b>	Drill small diameter blast holes using a percussion drilling rig and compressor			
<b>NQF Level</b>	02	<b>SGB</b>	Mining and Minerals	
<b>Credits</b>	5	<b>Notional Hours</b>		50
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>
	<b>Novice</b>	1 days	2 days	2 days / 16 Hours
	<b>RPL (Re-fresher)</b>	1-2 days	1-2 days	N/A
	<b>Re-certification</b>	½ day	½ day	N/A
<b>Ratio of candidates to assessor</b>		4:1	4:1	1:1

**NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:**

- All Cores need to be completed
- At least 1 Specialisation Elective
- At least 1 General Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

<b><u>PURPOSE OF THE COURSE</u></b>	<b><u>PRE-REQUISITES</u></b>
This unit standard will be useful for persons who intend following a career in the mining and minerals sector, particularly in the domain of cement, lime, aggregates and sand	<ul style="list-style-type: none"> <li>• Communication and Mathematical Literacy at NQF Level 1</li> <li>• Certified copy of ID</li> <li>• Copy of learners Medical Certificate</li> </ul>
<b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b>	<ul style="list-style-type: none"> <li>• Possible non-conformances, their consequences and mitigating actions</li> </ul> <p><b>Occupational Health, Safety and Environmental issues:</b></p> <ul style="list-style-type: none"> <li>• Significant hazards and risks related to small diameter blast hole drilling, their consequences and mitigating actions.</li> <li>• Safety measures related to small diameter blast hole drilling.</li> <li>• PPE requirements and the reason for each.</li> <li>• Impact on the environment and mitigating actions.</li> <li>• Emergency procedures.</li> </ul> <p><b>Applicable statutory requirements:</b></p> <ul style="list-style-type: none"> <li>• Relevant clauses from applicable acts and regulations.</li> <li>• Codes of practice.</li> <li>• Drill operator competency requirements and restrictions.</li> </ul> <p><b>Communication:</b></p> <ul style="list-style-type: none"> <li>• Reporting requirements and ability.</li> <li>• Communicating with relevant personnel.</li> <li>• Liaison with associated operations and personnel</li> </ul>
<b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b>	
The following embedded knowledge will be assessed in an integrated way in the context of the unit standard:	
<p><b>Knowledge relating to the method</b></p> <ul style="list-style-type: none"> <li>• Purpose of drilling small diameter blast holes.</li> <li>• Small diameter blast hole drilling principles and methods.</li> <li>• Typical equipment used and their applications.</li> <li>• Relevant terminology and names of systems and components.</li> </ul>	

**RPL Evidence Requirements Prior to Enrolment**

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial

**Logbook supporting evidence requirements:**

**\* compulsory and \*\* additional supporting evidence.**

- Completed and signed Checklists \*
- Completed and signed Risk Assessment \*
- Clocking records and equipment tag records. \*\*