

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

SAQA US ID	230011		SPECIALISATION ELECTIVE	
Unit Standard Title	Drill medium diameter blast holes using an hydraulic or pneumatic drilling rig and compressor			
NQF Level	02	SGB	Mining and Minerals	
Credits	5	Notional Hours		50
Duration	Candidate	Knowledge	Practical	Workplace
	Novice	1 day	2 days	3 days / 24 Hours
	RPL (Re-fresher)	1-2 days	1-2 days	N/A
	Re-certification	½ day	½ day	N/A
Ratio of candidates to assessor		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)

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

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. **