

MQA UNDERGROUND SKILLS PROGRAM – MQA/SP/0173/17

SAQA US ID	244466	ELECTIVE UNIT STANDARD		
Unit Standard Title	Drill holes by means of an electro hydraulic drill rig in an underground workplace			
NQF Level	03	SGB	Mining and Minerals	
Credits	5	Notional Hours		50
Duration	Candidate	Knowledge	Practical	Workplace
	Novice	2 days	3 days	1 day / 8 hours
	RPL (Re-fresher)	1 day	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 Elective with a minimum of 7 Credits from the Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

<p align="center"><u>PURPOSE OF THE COURSE</u></p> <p>This unit standard will be useful to people who have to drill holes by means of a skid steer secondary drill rig in an underground workplace</p>	<p align="center"><u>PRE-REQUISITES</u></p> <ul style="list-style-type: none"> • Follow basic occupational health and safety practices underground at NQF Level 2. • Take charge of and drive a non-articulating vehicle in an underground mine, making a workplace safe by means of barring, Identify and deal with rock strata conditions and identify misfires at NQF Level 2. • Certified Copy of ID • Copy of learners Medical Certificate
<p><u>SPECIFIC OUTCOMES OF THE COURSE</u></p> <ul style="list-style-type: none"> • Explain the drilling of holes by means of a skid steer secondary drill rig. • Prepare to drill holes by means of a skid steer secondary drill rig. • Drill holes by means of a skid steer secondary drill rig. • Perform post-drilling activities 	
<p align="center"><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></p> <p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p>Risks associated with workplace hazards relating to:</p> <ul style="list-style-type: none"> • Support conditions. • Ground conditions. • Misfires in rocks. • Environmental conditions e.g. heat, gases, dust, excessive water, visibility and ventilation flow. • Workplace inclinations. <p>Risks associated with work related hazards:</p> <ul style="list-style-type: none"> • Working in proximity of moving machinery. • Pedestrians and other workers • Working in proximity of cables and pipes. • Hydraulic pressure. • Operation by means of remote control • Working with explosives. • Roadway conditions. • Access control. • Manipulation of controls. • Traveling/Inclinations. • Lock out procedure. <p>Basic principles of operation:</p> <ul style="list-style-type: none"> • Monitoring of instruments, gauges and safety systems. • Brake testing. 	

- Manipulation of controls.
- Processes and events:**
- Preparation e.g. pre-use inspection, workplace examination and prevention of unauthorized entry.
- Drill holes.
- Occupational safety and occupational health environment:**
- Hazards and risks encountered.
- Safety systems and health protection.
- Personal protective equipment.
- Environmental protection and pollution controls.
- Emergency procedures.
- Use of tools, material and equipment.
- Applicable statutory requirements for a skid steer secondary drill rig:**
- Applicable Acts and Regulations.
- Codes of Practice.
- Operator competency requirements.
- Communication requirements:**
- Reporting.
- Liaison with associated operators.
- Interpreting and implementing instructions

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. **