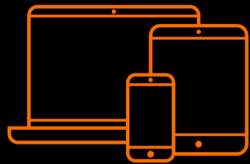


# MY ROCK TOOLS DRILL



# SAFETY FIRST

Sandvik's objective is zero harm to our people, the environment we work in, our customers and our suppliers.



PROTECTIVE  
EQUIPMENT



FIRST AID  
KIT



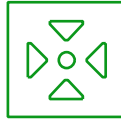
ALARM



EMERGENCY  
NUMBER



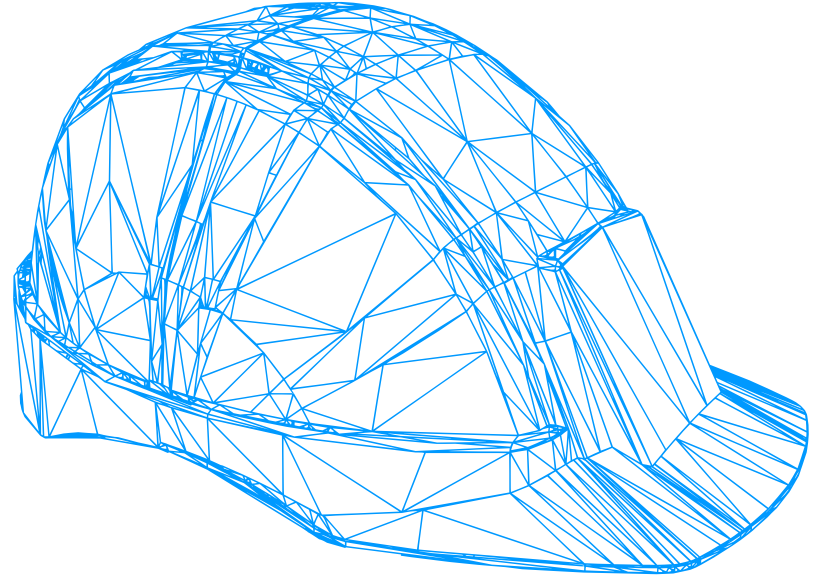
EMERGENCY  
EXIT



ASSEMBLY  
POINT



PSYCHOLOGICAL  
SAFETY





# COVID-19: PRECAUTIONS



FOLLOW LOCAL  
GUIDELINES



STAY HOME WHEN  
FEELING SICK



WASH YOUR  
HANDS CAREFULLY



OBSERVE PHYSICAL  
DISTANCING GUIDELINES



COUGH AND  
SNEEZE CORRECTLY



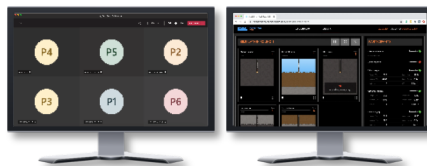
AVOID TOUCHING  
YOUR FACE

## DRILLING PARAMETERS

### FLUSHING

- Insufficient bailing velocity will increase the risk of getting stuck in the hole
- To high bailing velocity may cause sand blasting on bit and hammer casing
- Remember bailing velocity is often highest around the hammer due to its larger diameter compared to the drill pipe

## THE LITTLE BIG BOOK OF DOWN THE HOLE DRILLING



# TRAINING PACKAGE

## THEORY

Detailed Rock Tools theory explaining the function of rock tools usage and how to maximize productivity.

## SIMULATORS

Using mobile devices, we have developed an interactive training simulator to assist training.

## RESULTS

All results are scored against a target CPM encouraging users to optimizing drilling practices.



# AVAILABLE PRODUCT LINES

## DTH



### DOWN-THE-HOLE PRODUCTION DRILLING APPLICATION

5 x levels of geology

Product failure modes

Reports generated in cost / meter

Replay training rounds

Secure data storage

## TOP HAMMER



### TOP HAMMER APPLICATIONS

1. FACE DRILLING
2. EXTENSION DRILLING

5 x levels of geology

Product failure modes

Reports generated in cost / meter

Replay training rounds

Secure data storage

ROP will be measured in m/min

## ROTARY



### ROTARY PRODUCTION DRILLING APPLICATION

5 x levels of geology

Product failure modes

Reports generated in cost / meter

Replay training rounds

Secure data storage

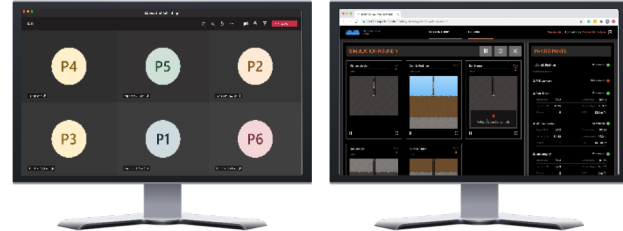
# AVAILABLE IN TWO VERSIONS

## CLASSROOM TRAINING



- Conducted face-to-face
- On-site meeting for theory & discussions
- iPads are used for simulations

## REMOTE TRAINING



- Conducted remotely
- Online meeting for theory & discussions
- Web browser is used for simulations

ROCKTECHNOLOGY.SANDVIK