



O V E R V I E W

Collar Keeper (patent pending) is a uniquely designed blasthole protection system for the global mining industry. The material is a high density polyethylene (HDPE) composite with anti-static properties and robustness to resist the harsh mining environment.

Collar Keeper is a simple, easy to use solution for stabilising blasthole cuttings, collars and the preconditioned column after drilling. This significantly limits the potential of back-fill, collar collapses and an unnecessary cost and time for remediation. Redrills or rework of collapsed holes cause operations significant harm in scheduling, quality management and cost in the total mining cycle.

Increased fragmentation remains a critical success factor in hard rock mining and processing. Collar Keeper's unique ability to protect the extended pre-conditioned zone is highly advantageous for customers to move towards a program for down-stream benefits.

Additionally, the Collar Keeper provides excellent retention of critical presplit holes for final wall control blasting.

“COLLAR KEEPER IS A SIMPLE, EASY TO USE SOLUTION FOR STABILISING BLASTHOLES”



COLLAPSED HOLE



HOLE DELINEATION



COLLAR EROSION

P R O D U C T U S E

Collar Keeper comes in a simple lay-flat panel with grab handles and elongated slots for securing to the hole collar. The design allows the user to fold the base into a cylindrical shape using the handles, and slide into the collar of the blasthole. It also can be opened at the top to form a conical shape at the base to overcome any collar distortion during the insertion. As the Collar Keeper is inserted, it levels out to form a natural cylindrical shape applying significant resistance to the blasthole wall.



CYLINDRICAL INSERTION



IN SITU - RETAINED



IN SITU - STANDALONE

After full depth is reached the locking device ends rest on the drill cuttings or collar, forming a protective ring. The locking device is located to the side of the open panel ends leaving a large central void for ease of lining (if selected), priming, loading. The Collar keeper can then be easily withdrawn to form a funnel shape prior to stemming or remain in situ for challenging conditions.

After the stemming process, the Collar Keeper can be easily retrieved for re-use and placed back in the storage location mounted on the drilling rig.

FEATURES

- » Light weight composite (max 3kg – 311mm)
- » Smooth edges
- » Unique colour coded panel sizes
- » Anti - static
- » Easily stowed
- » Robust & Durable
- » Hole ID Information areas
- » Protects initiation leads
- » Converts to stemming funnel

BENEFITS

- » Minimises drill collar fall back
- » Retains drilled depth
- » Reusable device
- » Compatible with explosives use
- » Easily visible on night shift
- » Reduces stemming waste
- » Can be used as BVI in ore management
- » Enables increased preconditioning zone
- » Reduced likelihood of lead damage