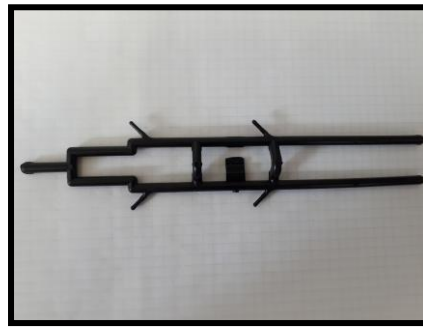


Blasting – Shot Holes UG

(Using Initiator Centring Device “ICD”)



- Following incidents that resulted in injuries, a decision was made to enforce the use of centering devices in shot holes on mines.
- Being involved at the Free State Tripartite Explosive Subcommittee meetings, it became clear for the need of a centering device for Emulsion and Anflex. In conclusion a product had to be designed for Emulsion that is seen as a "risk free product".
- The product that was to be designed needed to be safe, practical and cost efficient.

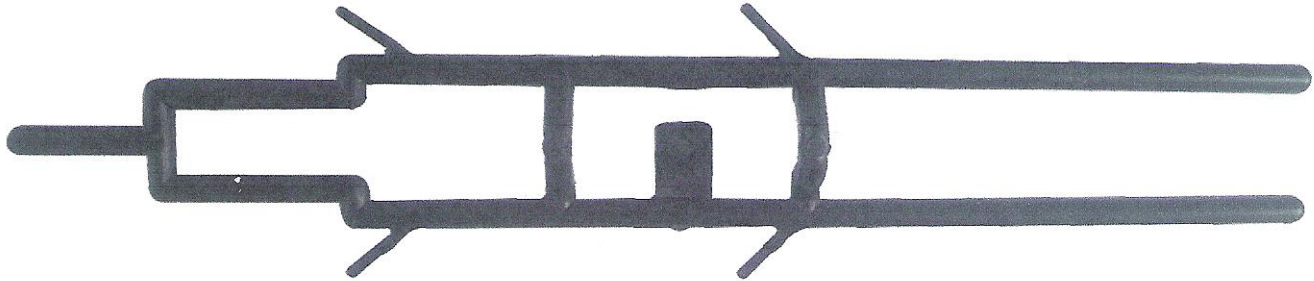
“ICD – Description and Use”

- This product is manufactured from a fire retardant plastic.
- This product was designed to enhance the prevention of reverse priming.
- This product also ensures that, in case of a misfire, the initiating device can be removed from the blast hole without the possibility of contact to the side wall and possible ignition.
- **In addition, this device ensures the ultimate position of the initiating device in the blast hole to enhance the maximum blast advance per hole, as well as the initiating device lead (fuse) from being damaged when inserted into BLAST HOLE.**

AIM OF ICD

- To improve productivity
- “Stopping” and development
- Consistent rock braking and fragmentation. (The dimension from face always the same.)
- **Safe to use** and secures the initiating device in the center of blast hole at all times.
- To "prevent reverse priming"
- Easy to remove with scraping tool.
- **Cost efficient**

Initiator Centring Device “ICD”



Description:

- ❑ This product is manufactured from a fire retardant plastic.
- ❑ This product was designed to enhance the prevention of reverse priming.
- ❑ This product also ensures that, in case of a misfire, the initiating device can be removed from the blast hole without the possibility of contact to the side wall and possible ignition.
- ❑ In addition, this device ensures the ultimate position of the initiating device in the blast hole to enhance the maximum blast advance per hole, as well as the initiating device lead (fuse) from being damaged when inserted into the blast hole.

Aim:

- ❑ To improve productivity.
- ❑ Stopping and Development.
- ❑ Consistent rock breaking and fragmentation. (The dimension from face always the same.)
- ❑ Safe to use and secures the initiating device in the centre of the blast hole at all times.
- ❑ To “prevent reverse priming”.
- ❑ Easy to remove with scraping tool.
- ❑ Cost efficient.

