

Ballistic Disc 260



Description

A Ballistic Disc 260 comprises 6.9 kg of explosive cast into an aluminium lining, capped with a steel disc. The unit is initiated by a detonating cord assembly made from 20 g/m detonating cord.

When detonated, the Ballistic Disc 260 provides a large steel slug that is propelled at high velocity in the direction aimed. The slug impacts with over 8,000 kJ of energy and is accurate to at least 60 metres.

Safety

Ballistic Disc 260 contains sensitive explosive materials, which can be initiated by impact, friction or heat.

Only transport Ballistic Discs in their original packaging with the steel disks opposed. When removed from the original packaging, maintain a Ballistic Disc 260 pointing downwards except immediately prior to firing.

Care must be taken to ensure that a Ballistic Disc 260 is never dropped onto a hard surface, or otherwise subject to impact. When the Ballistic Disc 260 is used, appropriate measures must be taken to protect persons and property in all nearby areas. In addition to the explosive force that propels the slug to the target, the high detonation velocity of the explosive produces a considerable and extensive airblast. Leave any doors/shafts open to permit dissipation of the air shock wave and ensure personnel will not be exposed to the air blast.

Ensure that the Ballistic Disc 260 is set in a stable position. Take extreme care in aiming the charge. Careless aiming, or

movement of the disc after aiming, may result in high velocity ricochet problems and damage to non target areas.

Detonation of the charge generates toxic fumes. Allow sufficient time for fumes to disperse before entering the blast area. Ballistic Disc 260 contains explosives that generate a hot long lasting flash/fireball on detonation. Be aware of Dust Explosion Hazard. Take adequate precautions, ie wetdowns, inert dust bag placement, etc.

Do not transport Ballistic Discs with detonators. Ballistic Discs are classed 1.1D and have UN Number 0059.

Application

A Ballistic Disc 260 provides a safe and effective way of clearing hang-ups in draw points or stopes remotely.

Technical Properties

Dimensions	
Diameter:	257 mm
Net Explosive Weight:	6.9 kg
Gross Weight:	9 kg
Properties	
Explosive fill:	PETN/TNT
Impact Energy:	8,000-9,000 kJ
Accuracy:	60 metres

Recommendations for Use

Remove Detonating Cord Assembly packing tube from Ballistic Disc 260 and unpack.

The Detonating Cord Assembly comprises of a length of 20 g/m PETN detonating cord with an aluminium sleeve crimped over one end. This aluminium sleeve is not a detonator.

Mount the Ballistic Disc 260 in sandbags or other suitable cradle with the steel concave disc pointed at the intended target rock.

Remove the red plastic end cap from the rear plastic housing of the Ballistic Disc 260. Make sure that the plastic housing remains free from dirt and grit.

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Insert the clean aluminium sleeve carefully into the rear plastic housing, ensuring that when fully seated only the crimp on the aluminium sleeve is visible. Do not tamper with the plastic overcap or plastic housing, or abuse in any way. Ensure the Detonating Cord Assembly is correctly inserted in the charge. An incorrectly primed charge will result in a malformed, aerodynamically unstable slug that will travel in an unpredictable direction. Fix the Detonating Cord Assembly to an electric or non-electric initiating system.

Attach the recommended Laser Aiming Device, or an alternate sighting mechanism. Sight in the Ballistic Disc 260 making sure there is no obstruction in the path of the ballistic projectile. The resulting slug will strike where aimed. Remove the aiming device without disturbing the position of the Ballistic Disc 260. Clear the blast area of personnel and unnecessary equipment and withdraw to a safe area. Follow authorised safety and blasting procedures prior to firing.

Packaging

Ballistic Disc 260 is packed in cardboard boxes with dimensions 0.26 x 0.26 x 0.39m. There are two units per case. Gross case weight is 21 kg.

Storage And Handling

Ballistic Disc 260 has a maximum shelf life of 5 years in good storage conditions. These units should be stored in a cool, dry magazine licensed for 1.1D explosives, and oldest cases should be used first.

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