DynoTracker™

Technical Information

Description

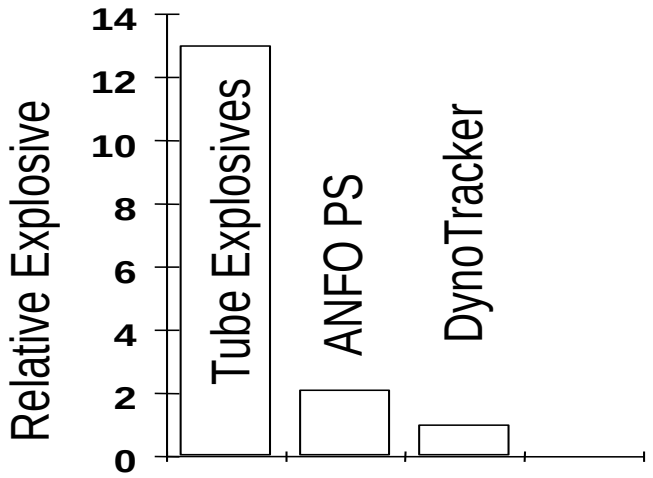
The DynoTracker is a device that attaches to the end of a standard charging hose used for loading ANFO. This device allows the use of ANFO instead of expensive cartridge explosives as perimeter charges in tunnelling applications.

Application

ANFO is blow-loaded through the DynoTracker using the normal blow-loading technique. It loads a partially loaded (decoupled) charge of ANFO into "low inclination" drillholes such as those employed in jumbo development mining. The decoupled charge produces a low order explosion when the primer detonates. This is ideal for the control of perimeter blasting, resulting in smoother tunnel walls with less overbreak.

Properties

Construction	Aluminium
Length (mm)	375
Diameter (max) (mm)	30
Weight (g)	370



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Features and Benefits

- The use of DynoTracker allows a low cost alternative to conventional tunnel perimeter charges in dry ground.
- Inventory can be rationalised as the need for tube type charge is eliminated.
- Reduced hanging material remains on the perimeter after blasting, reducing overbreak, scaling time and support requirements.
- Inventory is reduced in the magazine and time is saved in loading explosives onto the charge up vehicle.
- No additional equipment is required on the charge up vehicle, e.g. extra pneumatic loader for PS products.

Recommendations

Priming - Push a primer to the toe of each perimeter hole. Load a toe charge (~300mm) of ANFO at normal pressure (~60psi). This will secure the primer and reduce any butts.

Attachment - Ensure the end of the loading hose is cut square before screwing on the DynoTracker. The device is easily attached to/detached from a standard 26mm OD semi conductive charging hose. Test the connection before loading.

Recommendations (cont'd)

Water - Ensure there is no water in perimeter holes, as water will quickly dissolve the decoupled charge of ANFO.

Loading - Reduce the air pressure on the ANFO loader to ~30psi, depending on the hose length. Insert the DynoTracker into the hole, keeping it pressed against the toe charge. Load through the DynoTracker while retracting the loading hose as per normal blow loading practice. This results in a decoupled "string" of ANFO in the hole.

Safe handling, transportation and storage

First Aid – This product is manufactured from inert material.

Safety – The device itself is non-explosive, however, it is designed for use with explosives which are classified as dangerous goods and these can cause personal injury and damage to property if used incorrectly.

Transportation and Storage – There are no specific storage requirements or constraints other than those associated with any electronic device.

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