



# JOHNEX explosives

## ECHIDNA

JOHNEX ECHIDNA is a product retention device for all production charging applications. The semi-rigid spines flex and tighten upon insertion into a production hole, giving superior retention of both ANFO and emulsion.



### APPLICATION

The ECHIDNA is designed for use in 'up' or 'down' holes up to 89mm diameter, whilst not impacting nonel shock tube or electronic wires.

### FEATURES AND BENEFITS

- Anti-static plastic
- Purpose designed for underground production charging with bulk explosives
- Compatible with both ANFO and emulsion production hoses
- Tapered nose cone for navigating broken ground
- Can be doubled up for increased security
- Allows ground water to escape to the collar of the hole
- Offers superior product retention with JOHNEK emulsion
- Can be used for sealing off breakthrough 'down' holes
- Minsup clip attachment point for conveying items into a hole or withdrawing the ECHIDNA

### PHYSICAL PROPERTIES

ECHIDNA	Plastic
Explosives Class: Nil	



### STANDARD PACKAGING

Product	Nominal Mass (g)	Nominal Dia. (mm)	Nominal Length (mm)	Units/Case	Nominal case mass (kg)
ECHIDNA	90	105	135	34	5

### STORAGE AND HANDLING

The ECHIDNA is 100% plastic and is not restricted by any transport or storage requirements

### SHELF LIFE

Can be stored indefinitely

### SAFETY

Nil

