



# **BOART LONGYEAR**

**A PARTNERSHIP FOR PROGRESS**

## **SECO S36 IR Rock Drill**



### **General Information**

The SECO S36 IR is a powerful 114mm diameter bore drifter type rock drill with independently controlled rotation. It is designed for deep hole drilling for both surface and underground applications when mounted on suitable feeds and rigs.

### **Features**

- Excellent drilling performance and economic air consumption.
- Internal lubrication system to give maximum component life.
- Powerful independently controlled gear type rotation motor provides greater torque for all drilling conditions.
- Hammer and rotation can be varied independently to match every drilling condition and to assist in coupling and uncoupling drill steels.
- Government Mining Engineer approved.
- ISO 9001.
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# SECO S36 IR Rock Drill

## Applications

**On the surface** - It is an ideal machine for track drill or wagon drill use when mounted on a chain feed. Here it is used for quarry benching and presplitting holes as well as for general purpose drilling for civil contracting.

**Underground** - It can be mounted on screw and chain feed cradles for development tunnelling, fan hole and ring drilled blast holes. Special purpose applications can include long holes for water drainage and communication purposes.

## Design

Particular attention has been paid to the internal layout of the drill to enable excellent life to be obtained from the drill components in heavy duty and arduous applications.

## Lubrication

Atomised oil is admitted to the machine from a lubricator fitted to the incoming air line. Positive lubrication of all internal parts is ensured with particular attention paid to the heavily loaded front end components.

## Builds

A variety of build options is available to suit varied application requirements.

The machine is equipped for remote control operation only.

## Flushing tube

- 11mm diameter for wet drilling
- 14mm diameter for wet or dry drilling

## Chuck size to fit

- 44mm diameter 4 spline shank

## Mountings

- The SECO S36 IR can be mounted on:
- SECO powerfeed screw feed cradle for up to 2m feed length.  
chain feed for up to 4m feed length.
  - Any suitable existing feed system with purpose made drill carriages.

## Specifications

<b>Bore</b>	114mm
<b>Stroke</b>	86mm
<b>Length</b>	870mm
<b>Mass</b>	120kg
<b>Blows/minute</b>	1 630 at 500 kPa
<b>Air consumption</b>	14 m <sup>3</sup> /minute at 500 kPa
<b>Air connection</b>	1 1/4" B.S.P. or serrated stem for 40mm hose
<b>Rotation motor</b>	1" B.S.P. or serrated stem for 25mm hose
<b>Water connection</b>	Serrated stem for 20mm hose
<b>Hose sizes</b>	40mm for hammer 25mm for rotation motor 20mm for water
<b>Rotation motor</b>	Gear type - 4.0 kW @ 120 RPM at the drill steel and 500 kPa
<b>Shank sizes</b>	44mm four spline

## Lubricators

These should be checked and serviced at regular intervals. They should be thoroughly cleaned and the feed jets checked and cleared if blocked.

## Lubricants

A good quality rock drill grease should be used.

## Rock Drill Oils

Castrol	RD5G
Shell	Torcula 100
Chemico	LNS-3 or LNS-4
Total	RD465 H or equivalent

Boart Longyear is constantly striving to improve its products and must, therefore, reserve the right to change designs, materials, specifications and price without prior notice.

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