

○ 40 x 20" ELLIPTICAL DRAG COILS

These coils were originally produced in the Anti-Interference (A.I.) configuration for the SALT LAKES in Western Australia but have become a great search tool for many areas around the world. We produce these mainly in the A.I. configuration but also as the DD. We find that a mono coil of this size is too big and will be very noisy.



They have excellent depth capabilities which is why they are such good patch finders but their sensitivity to smaller targets, 1-2 grams and below, is greatly reduced. For a 1-2 gram piece to be heard it would need to be on the surface and the coil detecting speed quite slow. However, finding the small pieces is not what this coil is designed for! The 40 x 20 coils do take a little time to set-up and get right in regards to towing / dragging but their performance is very good once achieved.

The main thing to remember is to protect the cable from any snags or pulls from low lying bushes and rocks. Clear, flat terrain is best. The coil can be around 1-2 inches off the ground depending on what you make the coil housing out of and remembering that the coil needs to remain connected to the housing to prevent the bumps of normal travel dislodging the unit. This can be achieved by cable ties or nylon nuts and bolts. The coil housing is best made from timber as is the arm which connects the unit to the quad bike. The skids for these coils can be made from tough, durable plastic or conveyer belt material. Just remember that some material can have wire re-enforcing inside it so if you're unsure, just wave the material to be used over the detector coil first to see if it 'sees' the material.

If you are dragging this coil by quad bike we recommend you use the A.I. coil and your speed to be about 5-7kms/hr which is like walking pace or idle engaged with 1st gear and obviously picking a relatively clear path. The Coil needs to be around 3 metres away from the bike. This will provide quieter operation. If you are dragging the coil behind a person then the DD coil will be OK and the same speed applies, just be prepared for some hard work!

When setting this unit up on the skid you must ensure this area is protected from anything which can pull or damage the cable. By cable tying the cord down after it comes out of the coil, ensuring the cable is not at a very tight angle to the exit point, you will prevent any damage in this area.

Remember A.I. coils can get a little noisy due to ground conditions so the slower the better. We hear of people using little flags or coloured spray to mark targets heard when on a run to minimize the times they get on and off the bike. Having a handheld unit close will help you identify the target quickly and if you work with a partner then one can patch find and the other

can retrieve the signals heard.

Available in:

1. DD PRO
2. A.I.

DD PRO operation hints & tips

The DD coil has a blade like search pattern into the ground along the length of the coil so the overlap of your sweeps should be around ¼ of the coil for maximum coverage. Pinpointing with these large coils is difficult mainly due to 2 things:

1. The coil is not shaft mountable so hard to manoeuvre into place and get into holes
2. The coil's sensitivity is reduced

Having another handheld unit close by will help you recover targets fast.

The DD coil has excellent depth capabilities and is best used by dragging behind a person as it is very susceptible to external interference. We have also seen trolleys made to hold the coil and be pushed around an area. Just remember to use no metal in any constructions you make. It might be an obvious statement but we can assure you it still happens by mistake. Remember the slower you go with these coils the better as due to their size the coils tracking ability can hinder performance if run too fast. If you encounter a lot of ground noise from the set up then check that your settings on the unit match what speed you are running at and slow down! These are great tools to help you cover the ground and can lead to great discoveries!

ANTI-INTERFERENCE (A.I.) operation hints & tips

This is the coil of choice when hunting the Salt Lakes or dragging the coil behind a quad bike. It has good sensitivity compared to a DD of similar size and has the ability of punching deep into the ground. As mentioned in the DD section of this coil it is not the tool to use when pinpointing so a smaller handheld coil would be recommended for this. As these coils are fully epoxy filled (potted) they are very robust and rigid so can take some hard work however the cable entry point on the coil is the most precious part. They have a similar coverage area as a DD so a ¼ overlap is recommended and a slow travel speed is best. Running the coil in standard DD settings on the later model detectors will ensure the coil performs as it should. Remember the most responsive area of the coil is the centre spine so with experience you will be able to master this coils ability.

Strengths:

- ▶ Great for deep searching
- ▶ Very robust coil
- ▶ Good for open terrain searching
- ▶ Great ground coverage
- ▶ Good stability when motion is slow
- ▶ Best used in drag format

Applicable Minelab Metal Detectors:

- ▶ SD series – Best Suited
- ▶ GP series – Best Suited
- ▶ GPX series