

Zeromag Split Bobbin

Split bobbins for Zeromag ZMSB

DIVERSE

www.diverse-technologies.net

Applications using Zeromag

- High speed deployment of Zeromag cable in production scenarios
- Lay barge production, on shore or on ship
- Quick cable removal
- Use with TIG, MIG, MMA and Sub-arc processes
- Can be used to hot swap Zeromag from one job to another.



Features

- Reduces Zeromag deployment time to seconds
- Can be pre-wound and deployed in seconds
- Rapidly deployed and simple to operate
- One person operation
- Can be used in series for large pipes or to build up many turns
- Robust and portable
- Cable can be simply pulled off
- Bobbin can be unbolted, split and removed from the pipe.
- Can be used with preheat to 80C (180C option)

Overview

The Diverse ZEROMAG measures and neutralizes magnetic fields which may be present in the weld preparation region of mating steel components.

When working with pipes, the demagnetisation process requires that cable is wound around the pipes. Typically 20-50 turns are required. In some situations, this can be a slow process and as time is money Diverse can provide a split bobbin solution to the winding problem.

The ZMSB has been designed to allow the demagnetising cables to be pre-wound on the bobbin off line from the welding station and process. It is then deployed onto the end of the pipe before fit up. Often these are used in pairs one on each pipe end. The Zeromag demagnetiser is then used in the normal way.

Once welding is complete, the cable can be quickly pulled off the bobbin and rewound. The bobbin can then be unbolted and split for removal from the pipe.

For preheat weld scenarios, the cable on the bobbin is rated to 85C and must be protected with insulating blanket. Optionally it is available with cable insulation rated 180C.

The split bobbin is of aluminium construction with robust welded side cheeks. The bobbins can be manufactured for almost any pipe size, this needs to be specified at time of order.

