



Operation Manual
Permanent Magnet Fixed/Wire Type Yoke
AY-M5-F/W

Introduction

This manual contains necessary information to acquaint the operator of the AY-M5-F/W model permanent magnetic yoke fixed/wire type with its capabilities & operation. The purpose of this manual is to furnish the operator with a functional knowledge of the operation & to make him understand the safety precautions which should be applied during & maintenance of the equipment.

General Description

The AY-M5-F/W is a permanent magnetic yoke fixed/wire type provide powerful magnetic field for detection of crack on surface and subsurface during magnetic particle inspection. It provides a portable and convenient method of magnetizing components for magnetic particle inspection flaw detection with no power supply needed.

Features

- Portable magnet for field inspection
- No electrical supply needed
- Maximum magnetic field strength

Operation

- Place the Yoke on the workpiece perpendicular to the direction of the cracks. The double-jointed articulated legs can be moved in two directions at each joint, and the pole pieces rotate.
- Adjust the spacing between the legs to between 25 and 250mm. If the part is an irregular shape, contour the feet to ensure a good flat contact point.
- Apply the inspection medium (wet or dry). Surface crack indications will form immediately.
- Repeat as required, moving the Yoke over the part.

Technical Specifications

Weight	Fixed Type: 2.49 Kg
Leg Span	25 mm - 250 mm
Field Strength	Approx 7000 Gauss
Dead Weight Lift Strength	27 Kg

Safe use of the yoke

- Our yokes are manufactured to the highest technical standards. You can ensure safe operation of your yoke by observing general safety and accident prevention regulations, including the advice outlined below.
- Familiarize yourself with the yoke's construction and method of operation. If necessary, contact support@arorandt.com for instruction.
- Ensure it is physically undamaged

Cleaning and Storage

- Periodically wipe the yoke with dry cloth
- Store unit in a dry room which is as free from dust and humidity

Product Warranty

- The AY-M5-F/W Yoke is warranted for a period of 12 months from the date of purchase.
- The warranty is void if the equipment is used in a nonprofessional manner, resulting in damage or if repairs are carried out without our consent

Thank you for your business!

WE trust, we have catered as per your expectations...



Arora Technologies (P) Limited

Plot No. D-183/8, MIDC, TTC Nerul,

Navi Mumbai, Maharashtra 400706, India

T: +91-22 6138 0600, 2770 3913, 2770 3923

E: info@arorandt.com | W: www.arorandt.com