

## MTU Block / Reference Block

### Description:

The Reference Block (MTU Block) is an essential tool designed to evaluate and monitor the indication sensitivity of magnetic particle crack detection agents. It serves as a reliable standard for quality control in non-destructive testing (NDT). Manufactured in compliance with **EN ISO 9934-2:2016** standards, it ensures precise and consistent testing results. This metal disc is residually magnetized and specially treated to develop a defined network of coarse and fine cracks, allowing users to assess the performance of inspection media effectively. The Reference Block is compatible with both fluorescent and non-fluorescent magnetic particle inspection methods.



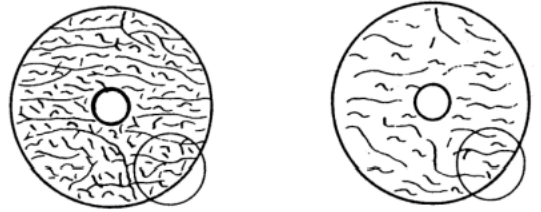
### Key Features:

- ✓ Natural cracks on both sides (coarse and fine) for sensitivity assessment
- ✓ Suitable for use with fluorescent and non-fluorescent inspection media
- ✓ Supplied with reference photographs for accurate defect comparison
- ✓ Conforms to **EN ISO 9934-2:2016** standards
- ✓ Ideal for quality control in **non-destructive testing (NDT)** applications

**Application Method:**

**1. Application of Inspection Medium**

- Immerse the block in or carefully spray it with a well-mixed magnetic particle inspection medium for a few seconds.
- Allow excess inspection medium to drain off naturally.



Inspection medium is good | Inspection medium is bad

**2. Inspection Process**

- **Fluorescent Media:** View crack indications under **UV light (black light)** for enhanced visibility.
- **Non-Fluorescent Media:** View indications under **daylight** with a **white background paint** applied for better contrast.

**Technical Data Sheet:**

Parameter	Specification
Standard Compliance	EN ISO 9934-2:2016
Material	Residually magnetized metal disc
Crack Types	Coarse and fine natural cracks
Inspection Media	Fluorescent & non-fluorescent magnetic particle solutions
Reference Photographs	Included for comparison
Usage	Sensitivity assessment of crack detection agents

**Packaging & Storage:**

- The Reference Block is securely packaged to prevent damage during transit.
- Store in a **dry and clean** environment to maintain its effectiveness.