



## APPLICATION:

They are used for MPI controls in order to:

- Indicate the magnetic field direction.
- Check the intensity of the magnetic field in the controlled zone is enough.

## PRESENTATION:

### Two types:

- types I and II

### 1 - Types I and II

Type I is destined to general applications, whereas type II is used in aerospace industries and critical applications. The dimensions are 50 x 12 x 0,15 mm, and they are delivered by sets of five in a holder along with the user manual.

They are essentially used to determine the direction of the magnetic field which knowledge is as important as its intensity. They can be checked but only in very specific cases but light operational variations invalid it.

#### 1/a - Advantages

- They are flexible and adopt the shape of the surface to be controlled.
- They can be cut in smaller parts for inaccessible zones
- They are reusable.
- Type I are made of brass and type II of silver. This means the artificial defects they have cannot be plugged by magnetic powders.

#### 1/b - Where to use them

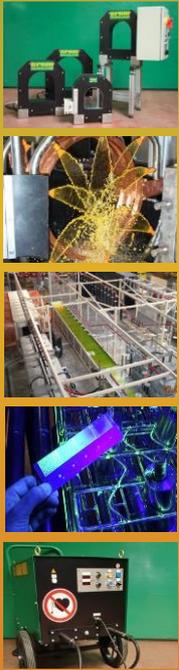
Type I are made to be used in weaker magnetic field than type II and are perfect for shades of steel with high relative magnetic permeability. Type II are for aerospace applications.

#### 1/c - Magnetic field evaluation

Each indicator has artificial defects made up of 3 longitudinal parallel lines. Indications are shown during the MPI control, as the magnetic field increases. If one line appears, you are in minimal detection conditions and if 3 lines appear equally, this is the maximal conditions.

#### Nota:

Before using the strip for the first time please, remove the varnish layer with a solvent.



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