

# DIN EN ISO 17638:2010-03 (E)

## Non-destructive testing of welds - Magnetic particle testing (ISO 17638:2003)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>4</b>
<b>4</b>	<b>Safety precautions .....</b>	<b>4</b>
<b>5</b>	<b>General .....</b>	<b>5</b>
<b>5.1</b>	<b>Information required prior to testing .....</b>	<b>5</b>
<b>5.2</b>	<b>Additional pre-test information .....</b>	<b>5</b>
<b>5.3</b>	<b>Personnel qualification .....</b>	<b>5</b>
<b>5.4</b>	<b>Surface conditions and preparation .....</b>	<b>5</b>
<b>5.5</b>	<b>Magnetizing .....</b>	<b>6</b>
<b>5.6</b>	<b>Application techniques .....</b>	<b>7</b>
<b>5.7</b>	<b>Detection media .....</b>	<b>12</b>
<b>5.8</b>	<b>Viewing conditions .....</b>	<b>13</b>
<b>5.9</b>	<b>Application of detection media .....</b>	<b>13</b>
<b>5.10</b>	<b>Overall performance test .....</b>	<b>13</b>
<b>5.11</b>	<b>False indications .....</b>	<b>13</b>
<b>5.12</b>	<b>Recording of indications .....</b>	<b>13</b>
<b>5.13</b>	<b>Demagnetization .....</b>	<b>14</b>
<b>5.14</b>	<b>Test report .....</b>	<b>14</b>
<b>Annex A (informative) Variables affecting the sensitivity of magnetic particle testing .....</b>		<b>16</b>
<b>Bibliography .....</b>		<b>18</b>