

# DIN EN ISO 17668:2016-06 (E)

## Zinc diffusion coatings on ferrous products - Sherardizing - Specification (ISO 17668:2016)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>4</b>	<b>General requirements .....</b>	<b>8</b>
<b>4.1</b>	<b>Surface condition base material .....</b>	<b>8</b>
<b>4.2</b>	<b>Information to be supplied by the purchaser .....</b>	<b>8</b>
<b>5</b>	<b>Acceptance inspection and sampling .....</b>	<b>8</b>
<b>6</b>	<b>Coating properties .....</b>	<b>9</b>
<b>6.1</b>	<b>Appearance .....</b>	<b>9</b>
<b>6.2</b>	<b>Thickness .....</b>	<b>9</b>
<b>6.2.1</b>	<b>General .....</b>	<b>9</b>
<b>6.2.2</b>	<b>Test methods .....</b>	<b>9</b>
<b>6.2.3</b>	<b>Reference areas .....</b>	<b>10</b>
<b>6.2.4</b>	<b>Magnetic method or electro-magnetic method .....</b>	<b>10</b>
<b>6.2.5</b>	<b>Gravimetric method .....</b>	<b>10</b>
<b>6.2.6</b>	<b>Thickness requirements .....</b>	<b>10</b>
<b>6.3</b>	<b>Acceptance criteria .....</b>	<b>11</b>
<b>6.4</b>	<b>Additional clearances for threaded components .....</b>	<b>11</b>
<b>7</b>	<b>Certificate of compliance .....</b>	<b>11</b>
<b>Annex A (normative) Information to be supplied by the purchaser to the sherardizer .....</b>		<b>12</b>
<b>Annex B (informative) Determination of thickness .....</b>		<b>13</b>
<b>Annex C (informative) General information .....</b>		<b>15</b>
<b>Annex D (informative) Corrosion resistance of sherardized layers .....</b>		<b>17</b>
<b>Bibliography .....</b>		<b>18</b>