

# DIN EN ISO 3995:2023-09 (E)

## Metallic powders - Determination of green strength by transverse rupture of rectangular compacts (ISO 3995:2023)

---

<b>Contents</b>		<b>Page</b>
<b>European foreword</b> .....		<b>3</b>
<b>Foreword</b> .....		<b>4</b>
<b>1 Scope</b> .....		<b>5</b>
<b>2 Normative references</b> .....		<b>5</b>
<b>3 Terms and definitions</b> .....		<b>5</b>
<b>4 Principle</b> .....		<b>5</b>
<b>5 Apparatus</b> .....		<b>5</b>
<b>6 Sampling</b> .....		<b>8</b>
<b>7 Procedure</b> .....		<b>8</b>
7.1 Cleaning of the die and punches .....		8
7.2 Powder testing conditions .....		8
7.3 Lubrication .....		9
7.3.1 General .....		9
7.3.2 Die wall lubrication .....		9
7.3.3 Lubrication of powder .....		9
7.4 Compacting and ejection .....		9
7.5 Compacting pressure .....		10
7.6 Determination of density .....		11
7.7 Determination of breaking force .....		11
7.7.1 General .....		11
7.7.2 Method 1 — Using a compression testing machine .....		11
7.7.3 Method 2 — Using a loading beam device (see <a href="#">Figure 3</a> ) .....		11
<b>8 Expression of results</b> .....		<b>11</b>
<b>9 Test report</b> .....		<b>12</b>