

# ISO 2702:2022-12 (E)

## Fasteners - Heat treated tapping screws - Mechanical and physical properties

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Materials .....</b>	<b>1</b>
<b>5</b>	<b>Mechanical and physical properties .....</b>	<b>2</b>
<b>5.1</b>	<b>General .....</b>	<b>2</b>
<b>5.2</b>	<b>Surface hardness .....</b>	<b>2</b>
<b>5.3</b>	<b>Case-hardened depth .....</b>	<b>2</b>
<b>5.4</b>	<b>Core hardness .....</b>	<b>3</b>
<b>5.5</b>	<b>Microstructure .....</b>	<b>3</b>
<b>5.6</b>	<b>Thread-forming ability .....</b>	<b>3</b>
<b>5.7</b>	<b>Torsional strength .....</b>	<b>3</b>
<b>5.8</b>	<b>Ductility .....</b>	<b>3</b>
<b>6</b>	<b>Test methods .....</b>	<b>4</b>
<b>6.1</b>	<b>General .....</b>	<b>4</b>
<b>6.2</b>	<b>Surface hardness test .....</b>	<b>4</b>
<b>6.3</b>	<b>Case-hardened depth determination .....</b>	<b>4</b>
<b>6.4</b>	<b>Core hardness test .....</b>	<b>5</b>
<b>6.5</b>	<b>Microstructure test .....</b>	<b>6</b>
<b>6.6</b>	<b>Drive test .....</b>	<b>6</b>
<b>6.7</b>	<b>Torsional test .....</b>	<b>7</b>
<b>6.8</b>	<b>Ductility test .....</b>	<b>8</b>
<b>7</b>	<b>Inspection .....</b>	<b>9</b>
<b>7.1</b>	<b>Manufacturer's inspection .....</b>	<b>9</b>
<b>7.2</b>	<b>Supplier's inspection .....</b>	<b>9</b>
<b>7.3</b>	<b>Purchaser's inspection .....</b>	<b>10</b>
<b>7.4</b>	<b>Delivery of test results .....</b>	<b>10</b>
<b>8</b>	<b>Marking and labelling .....</b>	<b>10</b>
<b>8.1</b>	<b>General .....</b>	<b>10</b>
<b>8.2</b>	<b>Marking on screws .....</b>	<b>10</b>
<b>8.3</b>	<b>Marking on packages (labelling) .....</b>	<b>10</b>
<b>Bibliography .....</b>		<b>11</b>