

# ISO 20054:2016-09 (E)

## Plain bearings - Bearings containing dispersed solid lubricants

---

<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>Symbols and units .....</b>	<b>1</b>
<b>5</b>	<b>Characteristics .....</b>	<b>1</b>
<b>5.1</b>	<b>Structure .....</b>	<b>1</b>
<b>5.2</b>	<b>Bearing characteristics .....</b>	<b>2</b>
<b>5.3</b>	<b>Applicable field .....</b>	<b>3</b>
<b>6</b>	<b>Material .....</b>	<b>3</b>
<b>6.1</b>	<b>Metal matrix .....</b>	<b>3</b>
<b>6.2</b>	<b>Solid lubricant .....</b>	<b>4</b>
<b>6.3</b>	<b>Combination of metal matrix and solid lubricant .....</b>	<b>4</b>
<b>7</b>	<b>Dimension .....</b>	<b>5</b>
<b>7.1</b>	<b>General .....</b>	<b>5</b>
<b>7.2</b>	<b>General dimension .....</b>	<b>5</b>
<b>7.2.1</b>	<b>Seamless bush .....</b>	<b>5</b>
<b>7.2.2</b>	<b>Wrapped bush .....</b>	<b>7</b>
<b>7.3</b>	<b>Tolerance classes and limit deviations .....</b>	<b>7</b>
<b>7.3.1</b>	<b>General .....</b>	<b>7</b>
<b>7.3.2</b>	<b>Housing fit .....</b>	<b>7</b>
<b>7.3.3</b>	<b>Shaft clearance .....</b>	<b>7</b>
<b>8</b>	<b>Assembling .....</b>	<b>8</b>
<b>9</b>	<b>Surface finish .....</b>	<b>8</b>
<b>Annex A (informative)</b>	<b>Guide for selection of a bearing metal matrix for bearings containing dispersed solid lubricants .....</b>	<b>9</b>
<b>Annex B (informative)</b>	<b>Actual applications of a bearing containing dispersed solid lubricants .....</b>	<b>10</b>
<b>Bibliography .....</b>		<b>11</b>