

# ISO 19259:2021-10 (E)

## Plain bearings - Bearings with embedded 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>Characteristics .....</b>	<b>1</b>
<b>4.1</b>	<b>Structure .....</b>	<b>1</b>
<b>4.2</b>	<b>Friction and wear characteristics .....</b>	<b>3</b>
<b>4.3</b>	<b>Applicable field .....</b>	<b>3</b>
<b>5</b>	<b>Material .....</b>	<b>4</b>
<b>5.1</b>	<b>Metallic base body .....</b>	<b>4</b>
<b>5.1.1</b>	<b>General .....</b>	<b>4</b>
<b>5.1.2</b>	<b>Copper alloy castings .....</b>	<b>4</b>
<b>5.1.3</b>	<b>Grey cast irons .....</b>	<b>4</b>
<b>5.2</b>	<b>Solid lubricant .....</b>	<b>5</b>
<b>5.3</b>	<b>Combination of metallic base body and solid lubricant .....</b>	<b>5</b>
<b>6</b>	<b>Dimensions .....</b>	<b>5</b>
<b>7</b>	<b>Assembling .....</b>	<b>8</b>
<b>8</b>	<b>Surface finish .....</b>	<b>9</b>
<b>Annex A (informative) Guide for selection of a bearing with embedded solid lubricants .....</b>		<b>10</b>
<b>Annex B (informative) Actual applications of a bearing with embedded solid lubricants .....</b>		<b>11</b>
<b>Bibliography .....</b>		<b>12</b>