

# ISO 19259:2021-10 (E)

## Plain bearings - Bearings with embedded solid lubricants

---

| <b>Contents</b>   |   | <b>Page</b> |
|---|---|-------------|
| Foreword .....  |   | iv          |
| 1   | Scope .....   | 1           |
| 2   | Normative references .....                                  | 1           |
| 3   | Terms and definitions .....                                 | 1           |
| 4   | Characteristics .....                                       | 1           |
| 4.1   | Structure .....   | 1           |
| 4.2   | Friction and wear characteristics .....                     | 3           |
| 4.3   | Applicable field .....                                      | 3           |
| 5   | Material .....  | 4           |
| 5.1   | Metallic base body .....                                    | 4           |
| 5.1.1   | General .....   | 4           |
| 5.1.2   | Copper alloy castings .....                                 | 4           |
| 5.1.3   | Grey cast irons .....                                       | 4           |
| 5.2   | Solid lubricant .....                                       | 5           |
| 5.3   | Combination of metallic base body and solid lubricant ..... | 5           |
| 6   | Dimensions .....  | 5           |
| 7   | Assembling .....  | 8           |
| 8   | Surface finish .....  | 9           |
| Annex A (informative) Guide for selection of a bearing with embedded solid lubricants ..... |   | 10          |
| Annex B (informative) Actual applications of a bearing with embedded solid lubricants ..... |   | 11          |
| Bibliography .....  |   | 12          |