

ISO/TS 24137:2023-02 (E)

Plain bearings - Surface modification by press fitting solid lubricants combined with micro dimple processing

| Contents | | Page |
|-----------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Structure | 1 |
| 5 | Materials | 2 |
| 5.1 | Target materials | 2 |
| 5.2 | Solid lubricants | 2 |
| 6 | Process | 2 |
| 6.1 | General | 2 |
| 6.2 | Formation of dimples | 3 |
| 6.2.1 | General | 3 |
| 6.2.2 | Shot peening | 3 |
| 6.2.3 | Interrupted micro cutting | 4 |
| 6.3 | Supply of solid lubricant | 5 |
| 6.4 | Press fitting of solid lubricant | 5 |
| Annex A (informative) | Test results | 7 |
| Bibliography | | 12 |