

# ISO 7021:2023-11 (E)

## Earth-moving machinery and machinery for forestry - Operator protective structures - Material performance requirements

---

| <b>Contents</b>                     |       | <b>Page</b> |
|-------------------------------------|-------|-------------|
| <b>Foreword</b>                     | ..... | <b>iv</b>   |
| <b>Introduction</b>                 | ..... | <b>v</b>    |
| <b>1 Scope</b>                      | ..... | <b>1</b>    |
| <b>2 Normative references</b>       | ..... | <b>1</b>    |
| <b>3 Terms and definitions</b>      | ..... | <b>1</b>    |
| <b>4 Requirements</b>               | ..... | <b>2</b>    |
| 4.1 General                         | ..... | 2           |
| 4.2 Steel requirements              | ..... | 2           |
| 4.2.1 General                       | ..... | 2           |
| 4.2.2 Steel structural members      | ..... | 2           |
| 4.2.3 Thin steel structural members | ..... | 3           |
| 4.3 Fastener requirements           | ..... | 3           |
| 4.3.1 Bolts                         | ..... | 3           |
| 4.3.2 Nuts                          | ..... | 3           |
| <b>Bibliography</b>                 | ..... | <b>4</b>    |