

DIN EN 17076:2021-06 (E)

Tower cranes - Anti-collision systems - Safety requirements

| Contents | | Page |
|--|--|-------------|
| European foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 6 |
| 4 | List of significant hazards | 12 |
| 5 | Technical requirements | 14 |
| 5.1 | General | 14 |
| 5.2 | Information requested to operate the anticollision device and system | 15 |
| 5.3 | Requirements for controls of anticollision devices | 17 |
| 5.4 | Additional requirements | 17 |
| 6 | Operation of the anticollision device | 18 |
| 6.1 | Startup sequence | 18 |
| 6.2 | Normal operation mode of an anticollision device | 18 |
| 6.3 | Defective status of an anticollision device | 19 |
| 6.4 | Anticollision device in a free jib slewing mode | 20 |
| 6.5 | Anticollision device in overriding mode | 20 |
| 6.6 | Setting mode of an anticollision device | 21 |
| 6.7 | Communication between anticollision devices | 21 |
| 6.8 | Indicators at the control station | 21 |
| 6.9 | Outside indicators | 21 |
| 7 | Verification of the safety requirements and/or protective measures | 21 |
| 8 | Marking | 23 |
| 9 | Information for use | 23 |
| 9.1 | General | 23 |
| 9.2 | Instructions for installation | 23 |
| 9.3 | Instructions for setting and functional tests | 24 |
| 9.4 | Instructions for use | 24 |
| Annex A(informative) Selection of a suitable set of crane standards for a given application | | 25 |
| Annex ZA(informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered | | 27 |
| Bibliography | | 29 |