

# DIN EN 13862:2010-03 (E)

## Floor cutting-off machines - Safety (includes Amendment A1:2009)

---

| <b>Contents</b>  | <b>Page</b> |
|--|-------------|
| Foreword .....   | 3           |
| Introduction .....   | 4           |
| 1 Scope .....  | 4           |
| 2 Normative references .....   | 5           |
| 3 Terms and definitions .....  | 6           |
| 4 List of significant hazards .....  | 8           |
| 5 Safety requirements and/or measures .....  | 10          |
| 5.1 Mechanical hazards .....   | 10          |
| 5.2 Electrical hazards .....   | 14          |
| 5.3 Thermal hazards .....  | 14          |
| 5.4 Exhaust fumes (and gas) .....  | 14          |
| 5.5 Machines having a hydraulic power transmission .....   | 15          |
| 5.6 Fluid containers .....   | 15          |
| 5.7 Water supply and dust emission .....   | 15          |
| 5.8 Rotational speed .....   | 15          |
| 5.9 Noise .....  | 15          |
| 5.10 Maintenance .....   | 16          |
| 6 Verification of safety requirements and/or measures .....  | 16          |
| 7 Information for use .....  | 16          |
| 7.1 Marking .....  | 16          |
| 7.2 Accompanying documents .....   | 17          |
| Annex A (normative) Noise test code - Grade 2 of accuracy .....  | 21          |
| Annex B (normative) Dimensions of the flanges for cutting-off diamond wheels .....   | 24          |
| Annex C (normative) Strength of the guards - State of the art concerning the characteristics of<br>guards used with cutting-off wheels .....               | 26          |
| Annex D (normative) Pictograms .....   | 30          |
| Annex E (normative) Verification of surface temperature .....  | 32          |
| Annex F (normative) "Vibration test code" .....  | 33          |
| Annex ZA (informative) "Relationship between this European Standard and the Essential<br>Requirements of EU Directive 98/37/EC, amended by 98/79/EC" ..... | 37          |
| Annex ZB (informative) "Relationship between this European Standard and the Essential<br>Requirements of EU Directive 2006/42/EC" .....                    | 38          |
| Bibliography .....   | 39          |