

DIN EN 17657:2026-09 (E)

Equipments for slaughterhouses - Slaughtering traps for bovine animals - Safety and cleaning requirements

Contents	Page
European foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms, definitions and description	8
3.1 Terms and definitions	8
3.2 Description - types of slaughtering traps	9
3.2.1 Fixed slaughtering trap	9
3.2.2 Rotating slaughtering trap	10
3.2.3 Required peripheral equipments	12
4 Safety and cleaning requirements and/or measures	13
4.1 General	13
4.2 Construction	13
4.2.1 General	13
4.2.2 Static test	13
4.2.3 Dynamic test	14
4.3 Mechanical engineering measures	14
4.3.1 Zone 1: Volume swept by the ejection door	14
4.3.2 Zone 2: Volume swept by the entrance door	15
4.3.3 Zone 3: Working zone	15
4.3.4 Zone 4: Technical zone (transmission parts)	16
4.3.5 Zone 5: Reception zone	16
4.4 Animal escape measures	17
4.5 Electrical equipment measures	17
4.5.1 General	17
4.5.2 Stop device	17
4.5.3 Emergency stop device	17
4.5.4 Control circuits	17
4.5.5 Degrees of protection	17
4.5.6 Electromagnetic phenomena safety requirements	17
4.5.7 Electrical stunning	17
4.6 Pneumatic and hydraulic hazards	18
4.7 Noise reduction	18
4.8 Measures to prevent hazards due to cleaning	18
4.9 Measures regarding compliance with ergonomic principles	18
5 Verification of safety requirements and/or protective/risk reduction measures	19
6 Information for use	21
6.1 Instructions	21
6.2 Operator training	22
6.3 Marking	22
6.4 Display for slaughtering traps equipped with electrical stunning device	23
Annex A (normative) Noise test code for slaughtering traps for bovine animals	24

A.1	Emission sound pressure level determination	24
A.2	Sound power level determination	24
A.3	Installation and mounting conditions	24
A.4	Measurement uncertainty	24
A.5	Operating conditions	25
A.6	Measurement	25
A.7	Information to be recorded	25
A.8	Information to be reported	26
A.9	Declaration and verification of the noise emission values	26
Annex B (normative) Design principles to ensure cleanability		27
B.1	General	27
B.2	Definitions	27
B.3	Materials	27
B.4	Design	27
B.4.1	General	27
B.4.2	Surfaces	27
B.4.3	Connection of internal surfaces	27
B.4.4	Permanent joints	27
B.4.5	Fasteners	27
Annex C (normative) Measures regarding respect for animal protection at the time of killing		28
Annex D (informative) List of significant hazards		29
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered		34
Bibliography		36