DIN EN ISO 19085-5:2025-09 (E)

Woodworking machines - Safety - Part 5: Dimension saws (ISO 19085-5:2024)

Contents

Page

5.6 Prevention of access to hazardous moving parts 11
5.6.1 Access to the saw blades above the machine table 11
5.6.2 Access to the saw blade below the machine table 16
5.6.3 Guarding of drives 17
5.7 Impact hazard 17
5.8 Clamping devices 17
5.9 Measures against ejection 17
5.9.1 General 17
5.9.2 Guards materials and characteristics 18
5.9.3 Anti-kickback devices 18
5.10 Workpiece supports and guides 21
5.10.1 Rip fence 21
5.10.2 Cross-cut fence 23
5.10.3 Workpiece clamping shoe 24
5.10.4 Machine table 24
5.10.5 Extension table 24
5.10.6 Sliding table 24
5.11 Safety appliances 24

6 Safety requirements and measures for protection against other hazards 27
6.1 Fire 27
6.2 Noise 27
6.2.1 Noise reduction at the design stage 27
6.2.2 Noise emission measurement and declaration 27
6.3 Emission of chips and dust 28
6.4 Electricity 28
6.5 Ergonomics and handling 28
6.6 Lighting 28
6.7 Pneumatics 28
6.8 Hydraulics 29
6.9 Electromagnetic compatibility 29
6.10 Laser 29
6.11 Static electricity 29
6.12 Errors of fitting 29
6.13 Isolation 29
6.14 Maintenance 29
6.15 Relevant but not significant hazards 29

7 Information for use 29
7.1 Warning devices 29
7.2 Marking 29
7.2.1 General 29
7.2.2 Additional markings 29
7.3 Instruction handbook 30
7.3.1 General 30
7.3.2 Additional information 30

Annex A (informative)Listofsignificanthazards 33

Annex B (informative) Performance level required 35

Annex C (normative) Stability test 36

Annex D (normative) Test for braking function 37

Annex E (normative) Impact test for guards 38

Annex F (normative) Noise test code 39

Annex G (normative) Riving knife rigidity tests 42

Annex H (normative) Minimum dimensions of machine table and extension table 44

Annex I (normative) Saw blade guard rigidity test 45

Bibliography 48