

DIN EN ISO 19085-13:2020-09 (E)

Woodworking machines - Safety - Part 13: Multi-blade rip sawing machines with manual loading and/or unloading (ISO 19085-13:2 020)

Contents

Page

Europeanforeword	4
Annex ZA (informative) Relationship between this European Standard and the essential requirements of EU Directive 2006/42/EC	5
6.6 Prevention of access to moving parts	21
6.6.1 General	21
6.6.2 Guarding of tools	22
6.6.3 Guarding of drives	22
6.6.4 Guarding of crushing and shearing zones	22
6.7 Impact hazard	23
6.8 Clamping devices	23
6.9 Measures against ejection	23
6.9.1 General	23
6.9.2 Guards materials and characteristics	23
6.9.3 Measures against ejection through the infeed opening	24
6.9.4 Measures against ejection through the outfeed opening	24
6.10 Work-piece support and guide	37
7 Safetyrequirementsandmeasuresforprotectionagainstotherhazards	37
7.1 Fire	37
7.2 Noise	37
7.2.1 Noise reduction at the design stage	37
7.2.2 Noise emission measurement	37
7.3 Emission of chips and dust	37
7.4 Electricity	37
7.4.1 General	37
7.4.2 Displaceable machines	37
7.5 Ergonomics and handling	37
7.6 Lighting	37
7.7 Pneumatics	38
7.8 Hydraulics	38
7.9 Electromagnetic compatibility	38
7.10 Laser	38
7.11 Static electricity	38
7.12 Errors of fitting	38
7.13 Isolation	38
7.14 Maintenance	38
8 Information for use	38
8.1 Warning devices	38
8.2 Marking	38
8.2.1 General	38
8.2.2 Additional marking	38
8.3 Instruction handbook	39
8.3.1 General	39
8.3.2 Additional information	39
Annex A (informative) Performance level required	40
Annex B (normative) Test for braking function	41

Annex C (normative) Stability test for displaceable machines	42
Annex D (normative) Impact test method for guards	43
Annex E (normative) Noise emission measurement for machines not in ISO 7960:1995	44
Annex F (normative) Test for the anti-splinter system on machines with one chain conveyor	45
Bibliography	49
6.5.3 Hold-to-run control	21
6.5.4 Two-hand control	21
6.5.5 Electro-sensitive protective equipment (ESPE)	21
6.5.6 Pressure sensitive protective equipment (PSPE)	21