

ISO 18217:2015-08 (E)

Safety of woodworking machines - Edge-banding machines fed by chain(s)

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	List of significant hazards	7
5	Safety requirements and/or protective measures	9
5.1	General	9
5.2	Controls	10
5.2.1	Safety and reliability of control systems	10
5.2.2	Position of controls	10
5.2.3	Starting	11
5.2.4	Stop controls	11
5.2.5	Integrated feed	12
5.2.6	Mode selection	13
5.2.7	Overspeed control for milling tools	14
5.2.8	Failure of any power supply	14
5.2.9	Failure of the control circuits	15
5.2.10	Tele-service	15
5.3	Protection against mechanical hazards	15
5.3.1	Stability	15
5.3.2	Risk of break-up during operation	16
5.3.3	Tool holder and tool design	16
5.3.4	Braking	18
5.3.5	Devices to minimize the possibility or the effect of ejection or kick-back	18
5.3.6	Work-piece supports and guides	19
5.3.7	Prevention of access to moving parts	21
5.4	Protection against non-mechanical hazards	28
5.4.1	Fire	28
5.4.2	Noise	29
5.4.3	Emission of chips and dust	30
5.4.4	Electricity	31
5.4.5	Ergonomics and handling	31
5.4.6	Lighting	32
5.4.7	Pneumatics and hydraulics	32
5.4.8	Electromagnetic compatibility	32
5.4.9	Static electricity	32
5.4.10	Isolation	32
5.4.11	Maintenance	33
5.4.12	Errors of fitting	33
5.4.13	Heat	33
5.4.14	Substances	33
5.4.15	Artificial optical radiation	33
6	Information for use	33
6.1	Warning devices	33

6.2	Marking	34
6.3	Instruction handbook	35
	Annex A (normative) Braking tests	39
	Annex B (normative) Impact test method for guards	41
	Annex C (normative) Stability test for displaceable machines	44
	Annex D (informative) Performance level required	45
	Bibliography	47