

# DIN EN ISO 18217:2015-12 (E)

## Safety of woodworking machines - Edge-banding machines fed by chain(s) (ISO 18217:2015)

---

<b>Contents</b>		<b>Page</b>
European foreword.....		4
Foreword.....		5
Introduction.....		6
<b>1</b>	<b>Scope.....</b>	<b>7</b>
<b>2</b>	<b>Normative references.....</b>	<b>8</b>
<b>3</b>	<b>Terms and definitions.....</b>	<b>8</b>
<b>4</b>	<b>List of significant hazards.....</b>	<b>13</b>
<b>5</b>	<b>Safety requirements and/or protective measures.....</b>	<b>15</b>
5.1	General.....	15
5.2	Controls.....	16
5.2.1	Safety and reliability of control systems.....	16
5.2.2	Position of controls.....	16
5.2.3	Starting.....	17
5.2.4	Stop controls.....	17
5.2.5	Integrated feed.....	18
5.2.6	Mode selection.....	19
5.2.7	Overspeed control for milling tools.....	20
5.2.8	Failure of any power supply.....	20
5.2.9	Failure of the control circuits.....	21
5.2.10	Tele-service.....	21
5.3	Protection against mechanical hazards.....	21
5.3.1	Stability.....	21
5.3.2	Risk of break-up during operation.....	22
5.3.3	Tool holder and tool design.....	22
5.3.4	Braking.....	24
5.3.5	Devices to minimize the possibility or the effect of ejection or kick-back.....	24
5.3.6	Work-piece supports and guides.....	25
5.3.7	Prevention of access to moving parts.....	27
5.4	Protection against non-mechanical hazards.....	34
5.4.1	Fire.....	34
5.4.2	Noise.....	35
5.4.3	Emission of chips and dust.....	36
5.4.4	Electricity.....	37
5.4.5	Ergonomics and handling.....	37
5.4.6	Lighting.....	38
5.4.7	Pneumatics and hydraulics.....	38
5.4.8	Electromagnetic compatibility.....	38
5.4.9	Static electricity.....	38
5.4.10	Isolation.....	38
5.4.11	Maintenance.....	39
5.4.12	Errors of fitting.....	39
5.4.13	Heat.....	39
5.4.14	Substances.....	39
5.4.15	Artificial optical radiation.....	39

<b>6</b>	<b>Information for use</b> .....	<b>39</b>
6.1	Warning devices.....	39
6.2	Marking.....	40
6.3	Instruction handbook.....	41
	<b>Annex A (normative) Braking tests</b> .....	<b>45</b>
	<b>Annex B (normative) Impact test method for guards</b> .....	<b>47</b>
	<b>Annex C (normative) Stability test for displaceable machines</b> .....	<b>50</b>
	<b>Annex D (informative) Performance level required</b> .....	<b>51</b>
	<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC</b> .....	<b>53</b>
	<b>Bibliography</b> .....	<b>54</b>