

ECLA EUROPEAN CLASSIFICATION

F16P SAFETY DEVICES IN GENERAL; [N: SAFETY DEVICES FOR PRESSES]

Note

Attention is drawn to the following places:

A01D75/18	Harvesting machines
A01F21/00	Threshing machines or baling presses
B02C23/04	Crushing or disintegrating machines
B21B33/00	Rolling of metal
B21D55/00	Working sheet metal or tubes, rods or profiles without essentially removing material
B23B25/04	Turning-machines
B23Q11/00	Machine tools
B24B55/00	Grinding or polishing machines
B25J19/06	Manipulators
B26D7/22	Cutting machines
B27G19/00	Wood saws
B65B57/00	Packaging machines or apparatus
B65G43/00	Conveyers
B65H26/00	Web-advancing mechanisms
B65H63/00	Handling or winding of thin or filamentary material
D01G31/00	Treatment of fibres
D01H13/14	Spinning or twisting
D05B83/00	Sewing machines
F21V25/00	Lighting devices.

Guide heading: Devices protecting or preventing injuries to people

F16P1/00 Safety devices independent of the control and operation of any machine (protective devices for the eyes or ears, worn on the body or carried in the hand, [A61F9/00](#), [A61F11/00](#))

F16P1/00B . [N: Guards for rolls in calandring or other roll machines, e.g. nip guards, finger guards]

F16P1/02 . Fixed screens or hoods

F16P1/04 . Screens or hoods rotating with rotary shafts

F16P1/06 . specially designed for welding

F16P3/00 Safety devices acting in conjunction with the control or operation of a machine; Control arrangements requiring the simultaneous use of two or more parts of the body ([F16P5/00](#) takes precedence)

F16P3/00A . [N: Safety devices for guarding the human operator of punch presses or like machine tools performing an opening and closing travel]

F16P3/00A1 . . [N: by application of a specific control arrangement, e.g. specific switching systems or two-hand control]

F16P3/00A6 . . [N: having a movable screen or a sensor influencing the switching system]

- F16P3/00A7 . . [N: having a screen moving with the machine and moving the operator out of danger, or restraining the operator, without influencing the switching system]
- F16P3/00B . [N: Devices for directly stopping or interrupting the drive or gear in case of danger to the machine, e.g. devices with clutches]
- F16P3/02 . Screens or other safety members moving in synchronism with members which move to and fro
- F16P3/04 . . for machines with parts which approach one another during operation, e.g. for stamping presses
- F16P3/06 . . . in which body parts of the operator are removed from the danger zone on approach of the machine parts
- F16P3/08 . in connection with the locking of doors, covers, guards, or like members giving access to moving machine parts
- F16P3/10 . . in which the operation of locking the door or other member causes the machine to start
- F16P3/12 . with means, e.g. feelers, which in case of the presence of a body part of a person in or near the danger zone influence the control or operation of the machine ([F16P3/08 takes precedence](#))
- F16P3/12B . . [N: Guards for rolls in calandering or other roll machines, e.g. nip guards, finger guards]
- F16P3/14 . . the means being photocells or other devices sensitive without mechanical contact

[N: **WARNING**[M1207]
Subgroups of F166P3/14 are not complete pending a reorganisation, see also [F16P3/14](#)
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- F16P3/14A . . . [N: using sound propagation, e.g. sonar] [N1205]
- F16P3/14B . . . [N: using image capturing devices] [N1205]
- F16P3/14C . . . [N: using light grids] [N1205]
- F16P3/14D . . . [N: using magnetic technology] [N1205]
- F16P3/14E . . . [N: using electro-magnetic technology, e.g. tags or radar] [N1205]
- F16P3/14F . . . [N: using capacitive technology] [N1205]
- F16P3/16 . . with feeling members moved by the machine
- F16P3/18 . Control arrangements requiring the use of both hands
- F16P3/20 . . for electric control systems
- F16P3/22 . . for hydraulic or pneumatic control systems
- F16P3/24 . . for mechanical controls

- F16P5/00** **Emergency means for rendering ineffective a coupling conveying reciprocating movement if the motion of the driven part is prematurely resisted**

- F16P5/00B . [N: Overload protection by energy absorbing components, e.g. breaker blocks, shear sections]

- F16P7/00** **Emergency devices preventing damage to a machine or apparatus ([F16P1/00](#), [F16P3/00](#), [F16P5/00](#) take precedence; indicating means, see the appropriate classes)**

F16P7/02

- by causing the machine to stop on the occurrence of dangerous conditions therein (devices in bearings affected by abnormal conditions [F16C](#))