

SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F16 ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS; THERMAL INSULATION IN GENERAL

F16P SAFETY DEVICES IN GENERAL

Note(s)

Attention is drawn to the following places:

- A01D 75/18, A01D 75/20.....Harvesters or mowers
- A01F 21/00.....Threshing machines or baling presses
- B02C 23/04.....Crushing or disintegrating machines
- B21B 33/00.....Rolling of metal
- B21D 55/00.....Working sheet metal or tubes, rods or profiles without essentially removing material
- B23B 25/04.....Turning-machines
- B23Q 11/00.....Machine tools
- B24B 55/00.....Grinding or polishing machines
- B25D 17/10.....Portable power-driven percussive tools
- B25J 19/06.....Manipulators
- B26D 7/22.....Cutting machines
- B27G 19/00.....Wood saws
- B65B 57/00.....Packaging machines or apparatus
- B65G 43/00.....Conveyers
- B65H 26/00.....Web-advancing mechanisms
- B65H 63/00.....Handling or winding of thin or filamentary material
- D01G 31/00.....Treatment of fibres
- D01H 13/14.....Spinning or twisting
- D05B 83/00.....Sewing machines
- F21V 25/00.....Lighting devices.

Devices protecting or preventing injuries to people

1/00 Safety devices independent of the control or operation of any machine (protective devices for the eyes or ears, worn on the body or carried in the hand, A61F 9/00, A61F 11/00)

- 1/02 • Fixed screens or hoods
- 1/04 • Screens or hoods rotating with rotary shafts
- 1/06 • specially designed for welding

3/00 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 (F16P 5/00 takes precedence)

- 3/02 • Screens or other safety members moving in synchronism with members which move to and fro
- 3/04 • • for machines with parts which approach one another during operation, e.g. for stamping presses
- 3/06 • • • in which body parts of the operator are removed from the danger zone on approach of the machine parts
- 3/08 • in connection with the locking of doors, covers, guards, or like members giving access to moving machine parts
- 3/10 • • in which the operation of locking the door or other member causes the machine to start

- 3/12 • 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 (F16P 3/08 takes precedence)
 - 3/14 • • the means being photocells or other devices sensitive without mechanical contact
 - 3/16 • • with feeling members moved by the machine
 - 3/18 • Control arrangements requiring the use of both hands
 - 3/20 • • for electric control systems
 - 3/22 • • for hydraulic or pneumatic control systems
 - 3/24 • • for mechanical controls
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- 5/00 **Emergency means for rendering ineffective a coupling conveying reciprocating movement if the motion of the driven part is prematurely resisted**
 - 7/00 **Emergency devices preventing damage to a machine or apparatus (F16P 1/00, F16P 3/00, F16P 5/00 take precedence; indicating means, see the appropriate classes)**
 - 7/02 • by causing the machine to stop on the occurrence of dangerous conditions therein (devices in bearings affected by abnormal conditions F16C)