

ECLA EUROPEAN CLASSIFICATION

B21G MAKING NEEDLES, PINS OR NAILS

- B21G1/00** **Making needles used for performing operations** (forming heads on pin-like needles [B21G3/12](#); making U-shaped hairpins [B21G7/04](#))
- B21G1/00B** . [N: Needles for special purposes, e.g. knitting, crochet, hat-pins] [N0005]
- B21G1/00D** . [N: Special treatments of pins or needles, e.g. annealing, straightening] [N0005]
- B21G1/02** . of needles with eyes, e.g. sewing-needles, sewing-awls
- B21G1/04** . . of needles specially adapted for use in machines or tools
- B21G1/06** . of needles with hook or barb, e.g. crochet hooks
- B21G1/08** . of hollow needles or needles with hollow end, e.g. hypodermic needles, larding-needles ([B21G1/10](#) takes precedence)
- B21G1/10** . equipped with locking means for the material to be drawn through, e.g. for repairing tubeless tyres
- B21G1/12** . Securing, cleaning-off burrs, reconditioning polishing, grinding (takes precedence over [B21G1/02](#) to [B21G1/10](#))
- B21G3/00** **Making pins, nails, or the like** (of pins with individual caps [B21G5/00](#); of U-like shape [B21G7/00](#); of split-pins [B21G7/08](#))
- B21G3/00B** . [N: Nails or pins for special purposes, e.g. curtain pins] [N0005]
- B21G3/02** . of pins of the kind used in the tailoring trade or the house- hold
- B21G3/04** . . with locking or shielding device for the pin point, e.g. safety-pins
- B21G3/06** . of nails with shoulders
- B21G3/08** . of nails with head and two or more shanks or split shanks
- B21G3/10** . of undulated nails or pins
- B21G3/12** . Upsetting; Forming heads
- B21G3/14** . Reducing diameter of parts otherwise than by rolling
- B21G3/16** . Pointing; with or without cutting
- B21G3/18** . by operations not restricted to one of the groups [B21G3/12](#) to [B21G3/16](#) ([B21G3/06](#) to [B21G3/10](#) take precedence)
- B21G3/20** . . from wire of indefinite length (by rolling [B21G3/30](#))

- B21G3/22
 - . . . in pairs arranged head to head
- B21G3/24
 - . . . by simultaneously forming the head of one nail and the adjacent point of another
- B21G3/26
 - . . by cutting from strip or sheet material
- B21G3/28
 - . . by forging or pressing
- B21G3/30
 - . . by rolling
- B21G3/32
 - . Feeding material to be worked to nail or pin making machines
- B21G5/00**
 - Making pins or nails with attached caps or with coated heads**
- B21G5/02
 - . of drawing-pins or pins of drawing-pin type
- B21G7/00**
 - Making pins of U-like shape or split-pins (of paper fasteners or staples [B21D53/46](#), [B21F45/16](#))**
- B21G7/02
 - . of U-like shape
- B21G7/04
 - . . of hairpins
- B21G7/06
 - . . . of undulated hairpins
- B21G7/08
 - . of split-pins, e.g. cotter-pins