

ECLA EUROPEAN CLASSIFICATION

B23G

THREAD CUTTING; WORKING OF SCREWS, BOLT HEADS, OR NUTS, IN CONJUNCTION THEREWITH (making helical grooves by turning [B23B5/48](#), by milling [B23C3/32](#), by forging, pressing, or hammering [B21K1/56](#), by grinding [B24B19/02](#); arrangements for copying or controlling B23Q; thread-forming by corrugating tubes [B21D15/04](#), by rolling [B21H3/02](#))

Note

The term "thread cutting" is to be understood as including the use of tools similar both in form and in manner of use to thread-cutting tools, but without removing any material

B23G1/00

Thread cutting; Automatic machines specially designed therefor

- B23G1/02 . on an external or internal cylindrical or conical surface, e.g. on recesses ([B23G1/16](#), [B23G1/22](#), [B23G1/32](#), [B23G1/36](#) take precedence)
- B23G1/04 . . Machines with one working-spindle
- B23G1/06 . . . specially adapted for making conical screws, e.g. wood-screws [C9604]
- B23G1/08 . . Machines with a plurality of working spindles
- B23G1/10 . . . specially adapted for making conical screws, e.g. wood-screws [C9604]
- B23G1/12 . . Machines with a toothed cutter in the shape of a spur-gear of the like which is rotated to generate the thread profile as the work rotates
- B23G1/14 . . . specially adapted for making conical screws, e.g. wood-screws
- B23G1/16 . in holes of workpieces by taps ([B23G1/26](#), [B23G1/32](#), [B23G1/36](#) take precedence)
- B23G1/18 . . Machines with one working spindle
- B23G1/18B . . . [N: specially adapted for making nuts] [C9604]
- B23G1/20 . . Machines with a plurality of working spindles
- B23G1/20B . . . [N: specially adapted for making nuts] [C9604]
- B23G1/22 . Machines specially designed for operating on pipes or tubes
- B23G1/22B . . [N: automatically controlled]
- B23G1/24 . . portable
- B23G1/26 . Manually-operated thread-cutting devices (features of the threading tool per se [B23G5/00](#))
- B23G1/26B . . [N: Die and tap wrenches (lubricating and cooling devices therefor [B23G5/00B](#); [B23G1/26C](#) takes precedence)]
- B23G1/26B1 . . . [N: Tap wrenches having a V slot ([B23G1/26B2B](#) takes precedence)]
- B23G1/26B2 . . . [N: Die wrenches having a cylindrical opening and a clamping screw]
- B23G1/26B2B [N: comprising tap wrench features with a V slot]
- B23G1/26C . . [N: Die and tap wrenches with a guiding part (lubricating and cooling devices therefor [B23G5/00B](#))]
- B23G1/26C1 . . . [N: Tap wrenches having a V slot ([B23G1/26C2B](#) takes precedence)]
- B23G1/26C2 . . . [N: Die wrenches having a cylindrical opening and a clamping screw]
- B23G1/26C2B [N: comprising tap wrench features with a V slot]

- B23G1/28 . . with means for adjusting the threading tool
- B23G1/30 . . without means for adjusting the threading tool, e.g. with die-stock ([tap wrenches B25B](#))
- B23G1/32 . by milling
- B23G1/34 . . with a cutting bit moving in a closed path arranged eccentrically with respect to the axis of the rotating workpieces
- B23G1/36 . by grinding
- B23G1/38 . . with grinding discs guided along the workpiece in accordance with the pitch of the required thread
- B23G1/40 . . with grinding discs guided radially to the workpiece
- B23G1/42 . Centreless grinding
- B23G1/44 . Equipment or accessories specially designed for machines or devices for thread cutting
- B23G1/46 . . for holding the threading tools [N: [B23B31/08B](#) takes precedence]
- B23G1/46B . . . [N: comprising arrangements for reversing the rotation of the tool]
- B23G1/48 . . for guiding the threading tools
- B23G1/50 . . for cutting thread by successive operations
- B23G1/52 . . for operating on pipes or tubes

B23G3/00 Arrangements or accessories for enabling machine tools not specially designed only for thread cutting to be used for this purpose, e.g. arrangements for reversing the working spindle

- B23G3/00B . [N: for enabling presses to be used for thread cutting]
- B23G3/02 . for withdrawing or resetting the threading tool
- B23G3/04 . for repeatedly setting the threading tool in a predetermined working position
- B23G3/06 . for compensating inaccuracies in the pitch of the lead-screw
- B23G3/08 . for advancing or controlling the threading tool or the work by templates, cams, or the like
- B23G3/10 . . for cutting thread of variable pitch
- B23G3/12 . . for using several adjacently-arranged threading tools, e.g. using several chasers
- B23G3/14 . . for cutting thread of conical shape

B23G5/00 Thread-cutting tools; Die-heads

- B23G5/00B . [N: with lubrication or cooling devices]
- B23G5/02 . without means for adjustment
- B23G5/04 . . Dies
- B23G5/04B . . . [N: with guiding means]

- B23G5/04C . . . [N: for conical thread]
- B23G5/06 . . Taps (chucks therefor [B23B31/00](#))
- B23G5/06B . . . [N: with a guiding means part]
- B23G5/06C . . . [N: with weakened shank portion]
- B23G5/06D . . . [N: with stops]
- B23G5/06F . . . [N: with means for removing the broken tap]

- B23G5/08 . with means for adjustment
- B23G5/08B . . [N: Adjustable dies]
- B23G5/08B1 . . . [N: with guiding means]
- B23G5/10 . . Die-heads
- B23G5/10B . . . [N: with guiding means]
- B23G5/10C . . . [N: Collet-type die-heads]
- B23G5/12 . . . self-releasing
- B23G5/14 . . Tapping-heads
- B23G5/16 . . . self-releasing

- B23G5/18 . Milling cutters
- B23G5/18B . . [N: combined with other tools] [N9904]
- B23G5/18B2 . . . [N: combined with drills ([B23G5/18B4B](#) takes precedence)] [N9904]
- B23G5/18B4 . . . [N: combined with chamfering tools] [N9904]
- B23G5/18B4B [N: and with drills] [N9904]

- B23G5/20 . combined with other tools, e.g. drills [N: ([B23G5/18B](#) takes precedence; screws which drill and tap [F16B25/00](#))] [C9904]

- B23G7/00** **Forming thread by means of tools similar both in form and in manner of use to thread-cutting tools, but without removing any material (features of machines or devices not specially adapted to the particular mode of forming the thread [B23G1/00](#))**

- B23G7/02 . Tools for this purpose

- B23G9/00** **Working screws, bolt heads, or nuts in conjunction with thread cutting, e.g. slotting screw heads or shanks, removing burrs from screw heads or shanks; Finishing, e.g. polishing, any screw-thread**

- B23G9/00B . [N: Working screws]
- B23G9/00B2 . . [N: Slotting screw heads or shanks]
- B23G9/00B3 . . [N: Deburring screws]
- B23G9/00B4 . . [N: Finishing screws ([B23G9/00B3](#) takes precedence)]

- B23G9/00C . [N: Working nuts]
- B23G9/00C2 . . [N: Slotting nuts]
- B23G9/00C3 . . [N: Deburring nuts]
- B23G9/00C4 . . [N: Finishing nuts ([B23G9/00C3](#) takes precedence)]

B23G9/00D

. [N: Thread cleaning or repairing]

B23G11/00

Feeding or discharging mechanisms combined with, or arranged in, or specially adapted for use in connection with, thread-cutting machines (for machines tools in general [B23Q](#))