

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	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with means for adjusting the threading tool
B23G1/30	<ul style="list-style-type: none"> <ul style="list-style-type: none"> without means for adjusting the threading tool, e.g. with die-stock (tap wrenches B25B)
B23G1/32	<ul style="list-style-type: none"> by milling
B23G1/34	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with a cutting bit moving in a closed path arranged eccentrically with respect to the axis of the rotating workpieces
B23G1/36	<ul style="list-style-type: none"> by grinding
B23G1/38	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with grinding discs guided along the workpiece in accordance with the pitch of the required thread
B23G1/40	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with grinding discs guided radially to the workpiece
B23G1/42	<ul style="list-style-type: none"> Centreless grinding
B23G1/44	<ul style="list-style-type: none"> Equipment or accessories specially designed for machines or devices for thread cutting
B23G1/46	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for holding the threading tools [N: B23B31/08B takes precedence]
B23G1/46B	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: comprising arrangements for reversing the rotation of the tool]
B23G1/48	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for guiding the threading tools
B23G1/50	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for cutting thread by successive operations
B23G1/52	<ul style="list-style-type: none"> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> [N: for enabling presses to be used for thread cutting]
B23G3/02	<ul style="list-style-type: none"> for withdrawing or resetting the threading tool
B23G3/04	<ul style="list-style-type: none"> for repeatedly setting the threading tool in a predetermined working position
B23G3/06	<ul style="list-style-type: none"> for compensating inaccuracies in the pitch of the lead-screw
B23G3/08	<ul style="list-style-type: none"> for advancing or controlling the threading tool or the work by templates, cams, or the like
B23G3/10	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for cutting thread of variable pitch
B23G3/12	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for using several adjacently-arranged threading tools, e.g. using several chasers
B23G3/14	<ul style="list-style-type: none"> <ul style="list-style-type: none"> for cutting thread of conical shape
B23G5/00	Thread-cutting tools; Die-heads
B23G5/00B	<ul style="list-style-type: none"> [N: with lubrication or cooling devices]
B23G5/02	<ul style="list-style-type: none"> without means for adjustment
B23G5/04	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Dies
B23G5/04B	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [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](#))