

SECTION B — SECTION B - PERFORMING OPERATIONS; TRANSPORTING

B23 MACHINE TOOLS; METAL-WORKING NOT OTHERWISE PROVIDED FOR (punching, perforating, making articles by processing sheet metal, tubes, or profiles B21D; wire-working B21F; making pins, needles, or nails B21G; making chains B21L; grinding B24)

B23C MILLING (broaching B23D; broach-milling in making gears B23F; arrangements for copying or controlling B23Q)

Subclass indexes

MILLING MACHINES IN GENERAL 1/00
 MILLING PARTICULAR WORK 3/00
 COMPONENT PARTS, ACCESSORIES 5/00, 9/00
 DEVICES FOR ATTACHMENT TO ANY
 MACHINE 7/00

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| <p>1/00 Milling machines not designed for particular work or special operations</p> <p>1/02 . with one horizontal working-spindle</p> <p>1/025 . . with working-spindle in a fixed position [2]</p> <p>1/027 . . with working-spindle movable in a vertical direction [2]</p> <p>1/04 . with a plurality of horizontal working-spindles</p> <p>1/06 . with one vertical working-spindle</p> <p>1/08 . with a plurality of vertical working-spindles</p> <p>1/10 . with both horizontal and vertical working-spindles</p> <p>1/12 . with spindle adjustable to different angles, e.g. either horizontally or vertically</p> <p>1/14 . with rotary work-carrying table (work-tables for machine tools in general B23Q 1/00)</p> <p>1/16 . specially designed for control by copying devices</p> <p>1/18 . . for milling while revolving the work</p> <p>1/20 . Portable devices or machines (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00); Hand-driven devices or machines [4]</p> <p>3/00 Milling particular work; Special milling operations; Machines therefor (milling gear teeth B23F; milling of threads B23G 1/32) [2]</p> <p>3/02 . Milling surfaces of revolution (B23C 3/06, B23C 3/08 take precedence)</p> <p>3/04 . . while revolving the work</p> <p>3/05 . . Finishing valves or valve seats [2]</p> <p>3/06 . Milling crankshafts</p> <p>3/08 . Milling cams, camshafts, or the like</p> <p>3/10 . Relieving by milling (lathes or turning devices for relieving B23B 5/42)</p> <p>3/12 . Trimming or finishing edges, e.g. deburring welded corners</p> <p>3/13 . Surface milling of plates, sheets or strips [2]</p> <p>3/14 . Scrubbing or peeling ingots or similar workpieces</p> <p>3/16 . Working surfaces curved in two directions</p> <p>3/18 . . for shaping screw-propellers, turbine blades, or impellers</p> <p>3/20 . . for shaping dies</p> <p>3/22 . Forming overlapped joints, e.g. of the ends of piston-rings</p> | <p>3/24 . Making square or polygonal ends on workpieces, e.g. key studs on tools</p> <p>3/26 . Making square or polygonal holes in workpieces, e.g. key holes in tools</p> <p>3/28 . Grooving workpieces</p> <p>3/30 . . Milling straight grooves, e.g. keyways</p> <p>3/32 . . Milling helical grooves, e.g. in making twist-drills</p> <p>3/34 . . Milling grooves of other forms, e.g. circumferential</p> <p>3/35 . . Milling grooves in keys</p> <p>3/36 . Milling milling-cutters (B23C 3/28 takes precedence)</p> <p>5/00 Milling-cutters (for cutting gear teeth B23F 21/12)</p> <p>5/02 . characterised by the shape of the cutter</p> <p>5/04 . . Plain cutters, i.e. having essentially a cylindrical or tapered cutting surface of substantial length (B23C 5/10 takes precedence)</p> <p>5/06 . . Face-milling cutters, i.e. having only or primarily a substantially flat cutting surface</p> <p>5/08 . . Disc-type cutters</p> <p>5/10 . . Shank-type cutters, i.e. with an integral shaft</p> <p>5/12 . . Cutters specially designed for producing particular profiles (B23C 5/10 takes precedence)</p> <p>5/14 . . . essentially comprising curves</p> <p>5/16 . characterised by physical features other than shape</p> <p>5/18 . . with permanently-fixed cutter-bits or teeth</p> <p>5/20 . . with removable cutter-bits or teeth</p> <p>5/22 . . . Securing arrangements for bits or teeth</p> <p>5/24 adjustable</p> <p>5/26 . Securing milling-cutters to the driving spindle</p> <p>5/28 . Features relating to lubricating or cooling</p> <p>7/00 Milling devices able to be attached to a machine tool, whether or not replacing an operative portion of the machine tool</p> <p>7/02 . to lathes</p> <p>7/04 . to planing or slotting machines</p> <p>9/00 Details or accessories so far as specially adapted to milling machines or cutters (drives, control devices, or accessories, in general B23Q)</p> |
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