SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B24 GRINDING; POLISHING

B24D **TOOLS FOR GRINDING, BUFFING OR SHARPENING** (abrading-bodies specially designed for tumbling apparatus, e.g. abrading-balls B24B 31/14; honing tools B24B 33/08; lapping tools B24B 37/11)

Note(s)

1. This subclass covers grinding tools for working on any material.
2. Tools for grinding, buffing or sharpening, specially designed for a particular purpose, which purpose is provided for in a single other place, are classified in that place, e.g. B23F 21/02.

Subclass index

PHYSICAL FEATURES OR CONSTITUENTS OF ABRASIVE BODIES OR SHEETS.....3/00
ABRASIVE WHEELS.....5/00, 7/00, 9/00, 13/00
FLEXIBLE ABRASIVE MATERIALS.....11/00
HAND TOOLS.....15/00
MANUFACTURE.....18/00
OTHER TOOLS.....99/00

3/00 Physical features of abrasive bodies, or sheets, e.g. abrasive surfaces of special nature; Abrasive bodies or sheets characterised by their constituents

3/02 • the constituent being used as bonding agent
3/04 • • and being essentially inorganic
3/06 • • • metallic
3/08 • • • • for close-grained structure, e.g. using metal with low melting point
3/10 • • • • for porous or cellular structure, e.g. for use with diamonds as abrasives
3/12 • • • water-setting, e.g. concrete
3/14 • • • ceramic, i.e. vitrified bondings
3/16 • • • • for close grained structure, i.e. of high density
3/18 • • • • for porous or cellular structure
3/20 • • and being essentially organic
3/22 • • • Rubbers
3/24 • • • • for close-grained structure
3/26 • • • • for porous or cellular structure
3/28 • • • Resins
3/30 • • • • for close-grained structure
3/32 • • • • for porous or cellular structure
3/34 • characterised by additives enhancing special physical properties, e.g. wear resistance, electric conductivity, self-cleaning properties

Bonded abrasive wheels

5/00 Bonded abrasive wheels, or wheels with inserted abrasive blocks, designed for acting only by their periphery; Bushings or mountings therefor

5/02 • Wheels in one piece
5/04 • • with reinforcing means
5/06 • with inserted abrasive blocks, e.g. segmental
5/08 • • with reinforcing means
5/10 • with cooling provisions, e.g. with radial slots
5/12 • Cut-off wheels
5/14 • Zonally-graded wheels; Composite wheels comprising different abrasives
5/16 • Bushings; Mountings

7/00 Bonded abrasive wheels, or wheels with inserted abrasive blocks, designed for acting otherwise than only by their periphery, e.g. by the front face; Bushings or mountings therefor

7/02 • Wheels in one piece
7/04 • • with reinforcing means
7/06 • with inserted abrasive blocks, e.g. segmental
7/08 • • with reinforcing means
7/10 • with cooling provisions
7/12 • with apertures for inspecting the surface to be abraded
7/14 • Zonally-graded wheels; Composite wheels comprising different abrasives
7/16 • Bushings; Mountings
7/18 • Wheels of special form

9/00 Wheels or drums supporting in exchangeable arrangement a layer of flexible abrasive material, e.g. sandpaper

9/02 • Expansible drums for carrying flexible material in tubular form, e.g. expanded by centrifugal force
9/04 • Rigid drums for carrying flexible material
9/06 • • able to be stripped-off from a built-in delivery spool
9/08 • Circular back-plates for carrying flexible material
9/10 • • with suction means for securing the material

11/00 Constructional features of flexible abrasive materials; Special features in the manufacture of such materials

11/02 • Backings, e.g. foils, webs, mesh fabrics
11/04 • Zonally-graded surfaces
11/06 • Connecting the ends of materials, e.g. for making abrasive belts
11/08 • Equipment for after-treatment of the coated backings, e.g. for flexing the coating

13/00 Wheels having flexibly-acting working parts, e.g. buffing wheels; Mountings therefor

13/02 • acting by their periphery
13/04 • • comprising a plurality of flaps or strips arranged around the axis
13/06 • • the flaps or strips being individually attached
13/08 • • comprising annular or circular sheets packed side by side
13/10 • • comprising assemblies of brushes
13/12 • • comprising assemblies of felted or spongy material, e.g. felt, steel wool, foamed latex
13/14 • acting by the front face
13/16 • • comprising pleated flaps or strips
13/18 • with cooling provisions
13/20 • Mountings for the wheels

15/00 Hand tools or other devices for non-rotary grinding, polishing, or stropping

15/02 • rigid; with rigidly-supported operative surface
15/04 • resilient; with resiliently-mounted operative surface
15/06 • specially designed for sharpening cutting edges
15/08 • • of knives; of razors
15/10 • • of safety-razor blades (devices with mechanically-operated parts B24B 3/50)

18/00 Manufacture of grinding tools, e.g. wheels, not otherwise provided for [4]

99/00 Subject matter not provided for in other groups of this subclass [2010.01]