

ECLA**EUROPEAN CLASSIFICATION****A63B****APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT (apparatus for passive exercising, massage A61H)**

[N: **WARNING** [C2012.03]

1. The following IPC groups are not used in the internal classification scheme. Subject matter covered by these groups is classified in the following ECLA groups:

[A63B7/06](#) covered by [A63G1/00](#)
[A63B21/075](#) covered by [A63B21/072](#)
[A63B21/08](#) covered by [A63B21/06](#)
[A63B22/08](#) covered by [A63B22/06C](#) in absence of [A63B22/00A](#)
[A63B22/10](#) covered by [A63B22/06C](#) in combination with [A63B22/00A](#)
[A63B22/12](#) covered by [A63B22/06C](#) in combination with [A63B22/00A6](#)
[A63B29/04](#) covered by [A63B29/00](#)
[A63B31/16](#) covered by [A63B31/14](#)
[A63B49/06](#) covered by [A63B49/02](#)
[A63B51/16](#) covered by [A63B51/14](#)
[A63B55/06](#) covered by [A63B55/04](#)
[A63B63/02](#) covered by [A63B63/00](#)
[A63B63/04](#) covered by [A63B63/00](#)
[A63B69/22](#) covered by [A63B69/20](#)
[A63B69/28](#) covered by [A63B69/20](#)
[A63B69/30](#) covered by [A63B69/20](#)
[A63B71/16](#) covered by [A63B71/08A](#)
]

Guide heading: **Gymnastic exercising apparatus** (training apparatus for special sports [A63B69/00](#); apparatus for passive exercising, massage [A61H](#))

A63B1/00**Horizontal bars**[A63B1/00S](#)

- [N: Safety devices for securing the rods] [N0502]

[A63B1/04](#)

- Cleaning the rods

A63B3/00**Parallel bars or similar apparatus****A63B4/00****Balance beams****A63B5/00**

Apparatus for jumping (mats for jumping [A63B6/00](#); for racing or riding sports, e.g. hurdles [A63K](#))

[A63B5/02](#)

- High-jumping posts

[A63B5/04](#)

- Ropes [N: or similar devices] therefor [C9701]

[A63B5/06](#)

- Vaulting poles; [N: Take-off boxes therefor]

[A63B5/08](#)

- Spring-boards (of trampoline type [A63B5/11](#); [N: in the form of spring mats [A63B6/00](#)])

- A63B5/10 . . for aquatic sports
- A63B5/11 . Trampolines
- A63B5/12 . Bolster vaulting apparatus, e.g. horses, bucks, tables
- A63B5/16 . Training devices for jumping; Devices for balloon-jumping; Jumping aids [N: ([A63B25/02](#), [A63B25/10](#) take precedence)]
- A63B5/16B . . [N: Devices for balloon-jumping]
- A63B5/20 . Skipping-ropes [N: or similar devices rotating in a vertical plane] [C9701]
- A63B5/20P . . [N: Powered skipping rope devices] [N1204]
- A63B5/22 . Foot obstacles for skipping, [N: e.g. horizontally-rotating obstacles] [N9701]

- A63B6/00** **Mats or the like for absorbing shocks for jumping, gymnastics or the like** [N: (for jogging on the spot [A63B69/00J2](#); resiliently-mounted floors [E04F15/22](#))]

- A63B6/02 . for landing, e.g. for pole vaulting [N: (jumping-mattresses for rescue [A62B1/22](#))]
- A63B6/02S . . [N: Sand landing pits, e.g. for long jumping] [N9701]

- A63B7/00** **Freely-suspended gymnastic apparatus**

- A63B7/02 . Swinging rings; Trapezes
- A63B7/04 . Climbing-ropes
- A63B7/04E . . [N: Using endless ropes] [N1204]
- A63B7/08 . Apparatus for rope-dancing
- A63B7/08S . . [N: Balancing on a band tensioned between two anchor points, e.g. Slackline type] [N1204]

- A63B9/00** **Climbing poles, frames, or stages** [N: (climbing walls for mountaineering training [A63B69/00M](#); endless loop ladders [A63B22/04](#))]

- [N: **WARNING**
Documents are being reclassified to [A63B21/072](#); [A63B21/072F](#) is complete
]

- A63B15/00** **Clubs**, [N: e.g. for swinging exercises]

- [N: **WARNING**
Documents are being reclassified to [A63B21/072](#)
]

- A63B15/00C . [N: with a weight movable along the longitudinal axis of the club due to centrifugal forces (in tennis rackets [A63B49/00W](#))]
- A63B15/02 . with illuminating devices

- A63B17/00** **Exercising apparatus combining several parts such as ladders, rods, beams, slides**
- A63B17/02 . rigidly combined
- A63B17/04 . separable
- A63B19/00** **Hoop exercising apparatus** [N: ([A63B21/06B2](#) takes precedence; not driven by the user, e.g. motor driven, [A63G29/00](#), [A63G31/00](#))]
- A63B19/02 . Freely-movable rolling hoops, e.g. gyrowheels [N: or spheres or cylinders, carrying the user inside (resisting devices overcoming gyroscopic forces of rotating bodies [A63B21/22](#); standing on it for equilibrium exercises [A63B26/00B](#); spherical hulls or hulls in the shape of a vertical ring for use in water [B63B1/04S](#))] [C9603]
- A63B19/04 . movably supported on a framework [N: or spheres or cylinders carrying the user inside (standing on it for equilibrium exercises [A63B26/00B](#))] [C9603]
- A63B21/00** **Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (electric or electronic controls therefor [A63B24/00](#); measuring muscular strength [A61B5/22](#))[C0502]**
- A63B21/00B . [N: Special force transmissions therefor] [N1208]
- A63B21/00B1 . . [N: using flexible elements for reciprocating movements, e.g. ropes, chain (flexible ropes or chains for transmission between rotating axes or pulleys n.c.)] [N1208]
- A63B21/00B1B . . . [N: Bowden cables, i.e. wire within a protective casing, like a bike brake cable] [N1208]
- A63B21/00B1F . . . [N: wound up and unwound during exercise, e.g. from a reel, rewind reels [B65H75/00](#)] [N1208]
- A63B21/00B1P . . . [N: using special pulley-assemblies] [N1208]
- A63B21/00B1P2 [N: cam-shaped pulleys or other non-uniform pulleys, e.g. conical] [N1208]
- A63B21/00B1P4 [N: the position of one (or more) pulleys being variable (e.g. for different exercises)] [N1208]
- A63B21/00B2 . . [N: Ratchet-wheel links; overrunning clutches , one-way clutches] [N1208]
- A63B21/00B3 . . [N: using levers for transmitting forces] [N1208]
- A63B21/00B5 . . [N: Hydraulic transmission, hydraulic resistance [A63B21/008B](#)] [N1208]
- A63B21/00D . [N: Exercise device moving as a whole during exercise, bar bells and dumb bells [A63B21/072](#) t.p., on wheels [A63B22/20](#)] [N1204] [C1208]
- A63B21/00D2 . . [N: exercise device consisting of a pair of interfaces with the user connected by flexible elements, e.g. two handles connected by elastic bands, skipping ropes [A63B5/20](#) t.p., resilient element [A63B21/02](#)] [N1204] [C1208]
- [N: **WARNING**
 [N1208] not complete, pending the completion of a reclassification
]
- A63B21/00E . Exercise device not moving during use, benches [A63B21/00G2B](#) t.p., isometric exercising [A63B21/002B](#), step exerciser [A63B23/04b6](#) t.p., walk exerciser [A63B23/04b8](#) t.p.] [N1204] [C1208]

- A63B21/00E2 . . [N: For head stands] [N1206]
- A63B21/00E4 . . [N: For shoulder stands] [N1206]
- A63B21/00F . [N: Mechanical means for variation of the resistance ([A63B21/06](#) takes precedence)] [N1204]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00F2 . . [N: Replaceable resistance units of different strengths, e.g. for swapping] [N1204]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00F4 . . [N: Multiple individual resistance units of the same or different strengths, e.g. additional] [N1204]
- [N: **WARNING**
[N1208] not complete, pending the completion of a reclassification
]
- A63B21/00F6 . . [N: Setting, adjusting the resistance level, or compensating for a preload prior to use, e.g. changing length of resistance, adjusting a valve] [N1204] [M1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00F6L . . . [N: By changing the length of a lever] [N1204]
- A63B21/00F8 . . [N: On the fly, i.e. the resistance being adjustable during exercise] [N1204]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G . [N: details of the interface with the user related to strength training] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2 . . [N: kind of exercise interface; chairs and stools with exercising means [A47C9/00B](#)] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2B . . . [N: benches specifically designed for exercising; for bench press [A63B21/078](#)] [N1208]
- [N: **WARNING**
[N1208] not complete, pending the completion of a reclassification
]
- A63B21/00G2B2 [N: with parts of the bench moving against a resistance during exercise] [N1208]
- [N: **WARNING**

- [N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2F . . . [N: handle, pedal, bar or platform] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2F2 [N: for manipulation by feet/foot] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2F4 [N: for manipulation by hand] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G2M . . . [N: exercise mats with or without hand or foot grips for personal use, e.g. for Yoga or supine floor exercises; mats for absorbing shocks [A63B6/00](#) t.p.] [N1208]
- [N: **WARNING**
[N1208] not complete, pending the completion of a reclassification
]
- A63B21/00G2T . . . N: contoured to fit to specific body parts; e.g. back, knee or neck support; attachment on user's body [A63B21/00G10](#) t.p.; handles, pedals, bar or platform [A63B21/00G2F](#) t.p.] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G4 . . [N: movement of the interface] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G4F . . . [N: free movement, unrestricted apart from by the resistance; [A63B21/072](#) t.p.; [A63B21/32](#) t.p] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G4G . . . [N: reciprocating movement of the interface along (in/on) a guide, weights moving along or in guiding means [A63B21/06](#), for cardio-training [A63B22/20T](#)] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G4P . . . [N: pivoting movement of the interface, weight pivoting [A63B21/08](#)] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]

- A63B21/00G4R . . . [N: the interface rotating about an axis] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G8 . . direct manipulation of the resistance, dumb bells, bar bells or the like [A63B21/072](#)
t.p.] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G8W . . . [N: resisting device worn on the body; weights worn on user's body [A63B21/065](#)
t.p.] [N1208]
- A63B21/00G10 . . [N: Attachments of exercising apparatus to the body of the user, e.g. using special
belts, shoes or gloves, weights worn on user's body [A63B21/065](#) t.p., exoskeletons
[B25J9/00E](#)] [N1208]
- A63B21/00G10A . . . [N: to the head, neck] [N1208]
- A63B21/00G10B . . . [N: to the shoulder] [N1208]
- A63B21/00G10D . . . [N: to the chest region, including back] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G10F . . . [N: to the waist] [N1208]
- A63B21/00G10L . . . [N: to the lower limbs, means for physically limiting movements of body parts
[A63B69/00N2](#)] [N1208]
- A63B21/00G10L2 [N: to the ankle] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G10L4 [N: to the feet] [N1208]
- A63B21/00G10U [N: to the upper limbs] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B21/00G10U2 [N: to the wrist] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification, check
[A63B21/00G10U](#)
]
- A63B21/00G10U4 [N: to the hand] [N1208]
- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification, check
[A63B21/00G10U](#)
]
- A63B21/00P . . [N: Apparatus for active exercising which can be used also for passive exercising]
[N1204]
- A63B21/00T . . [N: Apparatus comprising additional means assisting the user to overcome part of the

- resisting force, i.e. assisted-active exercising] [N1204]
- A63B21/00U . [N: Resistance force provided by the user himself, e.g. exercising one body part against a resistance provided by another body part (A63B21/068 takes precedence; isometric exercise A63B21/002B)] [N1204]
 - A63B21/00V . [N: Resistance provided by deformable materials having no elasticity, e.g. lead bars, kneadable masses] [N1204]
 - A63B21/00W . [N: Resistance force provided by magnetic means (A63B21/005 takes precedence)] [N1204]
 - A63B21/00Z . [N: Pulsed counterforce; e.g. vibrating resistance means (A61H1/00C4 takes precedence)] [N1204]
 - A63B21/002 . isometric or isokinetic, i.e. substantial force variation without substantial muscle motion [N: or wherein the speed of the motion is independent of the force applied by the user]
 - A63B21/002B . . [N: Apparatus for isometric exercising only, e.i. without substantial motion by substantial force application]
 - A63B21/005 . using electromagnetic or electric force-resisters
 - A63B21/005B . . [N: using eddy-currents induced in moved elements, e.g. by permanent magnets]
 - A63B21/005B2 . . . [N: induced by electromagnets (A63B21/005D takes precedence)]
 - A63B21/005C . . [N: using an alternator or a dynamo]
 - A63B21/005D . . [N: using electromagnetically-controlled friction, e.g. magnetic particle brakes]
 - A63B21/005E . . [N: using electromagnetic clutches]
 - A63B21/005F . . [N: using a motor]
 - A63B21/008 . using hydraulic or pneumatic force-resisters [N: not used, see subgroups]
 - A63B21/008B . . [N: using hydraulic force-resisters]
 - A63B21/008B2 . . . [N: of the piston-cylinder type (shock absorbers in general F16F9/00)]
 - A63B21/008B4 . . . [N: by moving the ambient water (A63B31/00, A63B35/00 take precedence)]
 - A63B21/008C . . [N: using pneumatic force-resisters]
 - A63B21/008C2 . . . [N: of the piston-cylinder type]
 - A63B21/008C4 . . . [N: by moving the ambient air]
 - A63B21/012 . using frictional force-resisters [N: (electromagnetically-controlled brakes A63B21/005D)]
 - A63B21/012D . . [N: with surfaces rolling against each other without substantial slip]
 - A63B21/015 . . including rotating or oscillating elements [N: rubbing against fixed elements]
 - A63B21/018 . . including a rope [N: or other flexible element] moving relative to the surface of elements
 - A63B21/02 . using resilient force-resisters
 - A63B21/02B . . [N: Wound springs]
 - A63B21/02B4 . . . [N: Spiral springs with turns lying substantially in plane surfaces]
 - A63B21/02D . . [N: Bars; Tubes; Leaves (A63B21/02B takes precedence)]

- A63B21/02D2 . . . [N: Apparatus forced to oscillate at its resonant frequency] [N1204]
- A63B21/02F . . [N: made of material having high internal friction, e.g. rubber, plastic, steel wool, used for compression]
- A63B21/04 . . attached to static foundation
- A63B21/04B . . . [N: Anchored at two end points, e.g. installed within an apparatus] [N1204]
- A63B21/04B2 [N: With both ends stationary during the actual exercise, i.e. force applied at an intermediate location] [N1204]
- A63B21/04B4 [N: Ends moving relatively by a pivoting arrangement] [N1204]
- A63B21/04B6 [N: the ends moving relatively by linear reciprocation] [N1204]
- A63B21/04B8 [N: One or both ends anchored to a rotating element] [N1204]
- A63B21/04C . . . [N: Anchored at one end only, the other end manipulated by the user] [N1204]
- A63B21/045 . . having torsion [N: or bending, flexion] element
- A63B21/045C . . . [N: having torsion element around its longitudinal axis]
- A63B21/05 . . Linearly-compressed elements [N: ([A63B21/02F](#) takes precedence)]
- A63B21/055 . . extension element type
- A63B21/055D . . . [N: Elastic ropes or bands]
- A63B21/055D2 [N: Details of the rope or band itself, e.g. form, construction, colour coding, protection coating] [N1204]
- A63B21/055D4 [N: Details of attachments, e.g. to other parts, i.e. clips, clamps] [N1204]

- A63B21/06 . User-manipulated weights [C9410]
- A63B21/06A . . [N: Special physical structures of used masses] [N1204]
- A63B21/06A1 . . . [N: Fluids, e.g. water] [N1204]
- A63B21/06A2 . . . [N: Fluid-like particles, e.g. gun shot, sand] [N1204]
- A63B21/06A4 . . . [N: Aggregate, e.g. concrete] [N1204]
- A63B21/06A5 . . . [N: With boxes, baskets or the like for stacking loose weights therein] [N1204]
- A63B21/06A6 . . . [N: Buoyant volumes to be submerged] [N1204]
- A63B21/06A7 . . . [N: Synthetic, e.g. elastomers] [N1204]
- A63B21/06B . . [N: Eccentric weights put into orbital motion by nutating movement of the user] [N1204]
- A63B21/06C . . [N: Loosely interconnected, giving progressively changing weight, e.g. heavy chains] [N1204]
- A63B21/06D . . [N: to be launched or thrown along guiding means against gravity forces]
- A63B21/06D2 . . . [N: by moving the guiding means]
- A63B21/06F . . [N: the weight pivoting about a fixed horizontal fulcrum] [C9807]
- A63B21/06H . . [N: Weights moving upon a horizontal plane without substantial friction, e.g. on wheels, i.e. using inertial forces] [N1204]
- A63B21/062 . . including guide for vertical array of weights
- A63B21/065 . . worn on user`s body
- A63B21/068 . . using user`s body weight [N9504]
- A63B21/072 . . Dumb-bells, bar-bells or the like, [N: also other free movable weights, e.g. weight discs having an integral peripheral handle] [M1207]

[N: **WARNING**

not complete, see also [A63B11/00](#), [A63B13/00](#), [A63B15/00](#)

]

- A63B21/072B . . . [N: Bar-bells; Hand bars] [N0209]
- A63B21/072D . . . [N: Dumb bells, i.e. with a central bar, for being held by a single hand, with weights at the ends] [C1204]
- A63B21/072F . . . [N: Means for fixing weights on bars]
- A63B21/075 . . . with variable weights [N1204]
- A63B21/078 . . . Devices for bench press exercises; [N: Supports, guiding means, drop-limiting means for bar-bells, combined or not combined with benches]

- A63B21/08 . . . anchored at one end [N1206]

- A63B21/14 . . . [N: Details of the interface with the user related to strength training [N1204]

- [N: **WARNING** [M1207]
This group and its subgroups are not complete pending the completion of a reclassification; see also the other subgroups of [A63B21/00](#)]

- A63B21/14A . . . [N: Attachments of exercising apparatus to the body of the user, e.g. using special belts, shoes or gloves (A63B21/065 takes precedence, Exoskeletons B25J9/00E)] [N1204]
- A63B21/14A1 . . . [N: to the head, neck] [N1204]
- A63B21/14A2 . . . [N: to the shoulder] [N1204]
- A63B21/14A4 . . . [N: to the chest region, including back] [N1204]
- A63B21/14A5 . . . [N: to the waist] [N1204]
- A63B21/14A7 . . . [N: to the lower limbs (means for physically limiting movements of body parts A63B69/00N2)] [N1204]
- A63B21/14A7A . . . [N: to the ankle] [N1204]
- A63B21/14A7F . . . [N: to the feet] [N1204]
- A63B21/14A8 . . . [N: to the upper limbs] [N1204]
- A63B21/14A8H . . . [N: To the hand] [N1204]
- A63B21/14A8W . . . [N: To the wrist] [N1204]
- A63B21/14D . . . [N: Direct manipulation of the resistance (A63B21/072 takes precedence) [N1204]
- A63B21/14D2 . . . [N: Resisting device worn on the body (A63B21/065 takes precedence)] [N1204]
- A63B21/14K . . . [N: Kind of exercise interface (chairs and stools with exercising means A47C9/00B)] [N1204]
- A63B21/14K2 . . . [N: Benches specifically designed for exercising (for bench press A63B21/078)] [N1204]
- A63B21/14K2M . . . [N: With parts of the bench moving against a resistance during exercise] [N1204]
- A63B21/14K4 . . . [N: Handle, pedal, bar or platform] [N1204]
- A63B21/14K4H . . . [N: For manipulation by hand] [N1204]
- A63B21/14K6 . . . [N: Exercise mats with or without hand or foot grips for personal use, e.g. for Yoga or supine floor exercises (A63B6/00 takes precedence)] [N1204]
- A63B21/14K8 . . . [N: Contoured to fit to specific body parts; e.g. back, knee or neck support (A63B21/14A, A63B21/14K4 take precedence)] [N1204]
- A63B21/14M . . . [N: Movement of the interface] [N1204]
- A63B21/14M2 . . . [N: Free movement, unrestricted apart from by the resistance (A63B21/00D2, A63B21/072 take precedence)] [N1204]

- A63B21/14M4 . . . [N: Reciprocating movement of the interface along, in or on a guide (weights moving along or in guiding means A63B21/06, for cardio-training A63B22/20T)] [N1204]
- A63B21/14M6 . . . [N: Pivoting movement of the interface (weight pivoting A63B21/08)] [N1204]
- A63B21/14M8 . . . [N: the interface rotating about an axis] [N1204]

- A63B21/15 . [N: Special force transmissions therefor] [N1204]
- A63B21/15F . . [N: Using flexible elements for reciprocating movements, e.g. ropes, chain] [N1204]
- A63B21/15F2 . . . [N: Bowden cables, i.e. wire within a protective casing, like a bike brake cable] [N1204]
- A63B21/15F4 . . . [N: Wound up and unwound during exercise, e.g. from a reel (rewind reels B65H75/00)] [N1204]
- A63B21/15F6 . . . [N: Using special pulley-assemblies] [N1204]
- A63B21/15F6C [N: Cam-shaped pulleys or other non-uniform pulleys, e.g. conical] [N1204]
- A63B21/15F6P [N: the position of one or more pulleys being variable, e.g. for different exercises] [N1204]
- A63B21/15G . . [N: Ratchet-wheel links; Overrunning clutches , One-way clutches] [N1204]
- A63B21/15H . . [N: Hydraulic transmissions (hydraulic resistance A63B21/008B)] [N1204]
- A63B21/15L . . [N: Using levers for transmitting forces] [N1204]

- A63B21/16 . Supports for anchoring force-resisters
- A63B21/16D . . [N: not used, see subgroups and [A63B21/16](#)] [C9601]
- A63B21/16D4 . . . [N: on or between the vertical posts of a door frame]
- A63B21/16D5 . . . [N: on the horizontal part of a door frame]
- A63B21/16D6 . . . [N: on a door]
- A63B21/16D7 . . . [N: clamped between door and floor]
- A63B21/16D8 . . . [N: clamped between door and door frame]
- A63B21/16H . . [N: mounted between horizontal surfaces, e.g. floor and ceiling]

- A63B21/22 . Resisting devices with rotary bodies, [N: e.g. by overcoming gyroscopic forces ([A63B21/06B2](#) takes precedence)]
- A63B21/22F . . [N: with flywheels]
- A63B21/22F2 . . . [N: with alternate changes of rotational sense]

- A63B21/28 . Devices for two persons operating in opposition
- A63B21/28B . . [N: in cooperation] [N0604]

- A63B22/00** **Exercising apparatus specially adapted for conditioning the cardio-vascular system, for training agility or co-ordination of movements (force-resisting aspects [A63B21/00](#); [N: for particular parts of the body, e.g. to strengthen particular limbs or muscles [A63B23/00](#);] electric or electronic controls therefor [A63B24/00](#)) [C1007]**
- [N: **Notes** [N1007]
In this subclass, multi-aspect classification is applied, so that subject matter characterised by aspects covered by more than one of its groups, which is considered to represent information of interest for search, may also be classified in each of those groups.
]

- A63B22/00A . [N: involving an exercising of arms (for strengthening the upper limbs [A63B23/12](#))]

- N1007]
- A63B22/00A4 . . [N: by alternatively exercising arms or legs, e.g. with a single set of support elements driven either by the upper or the lower limbs] [N1007]
- A63B22/00A6 . . [N: by simultaneously exercising arms and legs, e.g. diagonally in anti-phase ([A63B22/00R](#) takes precedence)] [N1007]
- A63B22/00A6S . . . [N: the exercises for arms and legs being functionally independent] [N1007]
- A63B22/00B . [N: with an adjustable movement path of the support elements] [N1007]
- A63B22/00B4 . . [N: the inclination of the main axis of the movement path being adjustable, e.g. the inclination of an endless band] [N1007]
- A63B22/00D . [N: Details of the support elements or their connection to the exercising apparatus, e.g. adjustment of size or orientation (**attachments of resisters or weights to the body of the user [A63B21/12](#); using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks [A63B22/20](#)**)] [N1007]
- A63B22/00P . [N: with cantilevered support elements pivoting about an axis ([A63B22/00R](#) takes precedence)] [N1007]
- A63B22/00P6 . . [N: the pivoting movement being in a vertical plane, e.g. steppers with a horizontal axis (**platforms for rocking motion about a horizontal axis [A63B22/16](#)**)] [N1007]
- A63B22/00P6B . . . [N: the vertical plane being the frontal body-plane] [N1007] [M1011]
- A63B22/00P8 . . [N: the pivoting movement being in a horizontal plane, e.g. skating movement (**platforms for reciprocating rotating motion about a vertical axis [A63B22/14](#)**)] [N1007]
- A63B22/00P10 . . [N: the pivoting movement being in a plane inclined with respect to the horizontal plane, e.g. a step and twist movement] [N1007]
- A63B22/00P10T . . . [N: about an axis inclined with respect to the horizontal plane, e.g. steppers with an inclined axis] [N1007]
- A63B22/00R . [N: Rowing machines (**seats moving during exercise [A63B22/00S](#); training appliances for rowing or sculling on boats [A63B69/06](#)**)] [N1007]
- A63B22/00S . [N: with a seat or torso support moving during the exercise, e.g. reformers ([A63B22/00R](#) takes precedence)] [N1007]
- A63B22/00S2 . . [N: a counterforce being provided to the support (**force-resisting aspects [A23B21/00](#)**)] [N1007]
- A63B22/02 . with movable endless bands [N: (**e.g. treadmills, other training appliances for running on the spot [A63B69/00J](#)**)] [M1207]
- A63B22/02B . . [N: driven by a motor] [C1007]
- A63B22/02B2 . . . [N: with speed variation] [N1007]
- A63B22/02B2B [N: Mechanical systems therefor]
- A63B22/02C . . [N: Physical characteristics of the belt, e.g. material, surface, indicia] [N1204]
- A63B22/04 . with movable [N: multiple] steps, [N: i.e. more than one step per limb, e.g. steps mounted on endless loops, endless ladders (**steppers with cantilevered support elements pivoting about an axis [A63B22/00P](#)**)] [C1007]
- A63B22/06 . with [N: support elements performing a] rotating cycling movement, [N: i.e. a closed path movement] (**support stands for bicycles [A63B69/16](#); unicycles [B62K1/00](#)**) [N9410] [C1007]

- A63B22/06C . . [N: performing a circular movement, e.g. ergometers] [N1007]
- A63B22/06E . . [N: performing an elliptic movement] [N1007]
- A63B22/06P . . [N: without integral seat, e.g. portable mini ergometers being placed in front of a chair, on a table or on a bed] [N1007]
- A63B22/08 . . for the legs, [N: i.e. only for the legs] [N9410]
- A63B22/14 . Platforms for reciprocating rotating motion about a vertical axis [N: e.g. axis through the middle of the platform] [N0502] [C1007]
- A63B22/16 . Platforms for rocking motion about a horizontal axis [N: e.g. axis through the middle of the platform]; Balancing drums; Balancing boards or the like [N: (exercising apparatus with cantilevered support elements pivoting about an axis [A63B22/00P6](#); other exercising apparatus for improving balance [A63B26/00B](#))] [N0502] [C1207]
- A63B22/18 . with elements, [N: i.e. platforms,] having a circulating, [N: nutating] or rotating movement, generated by oscillating movement of the user, [N: e.g. platforms wobbling on a centrally arranged spherical support] (hoop exercising apparatus [A63B19/00](#); [N: eccentric weights put into orbital motion by nutating movement of the user [A63B21/06B2](#); pots rotating or rocking by moving the whole body [A63G23/00](#))] [N0502]
- A63B22/20 . using rollers, wheels, castors or the like, [N: e.g. gliding means,] to be moved over the floor or other surface, [N: e.g. guide tracks,] during exercising [N0502] [C1007]
- A63B22/20T . . [N: for moving a support element in reciprocating translation, e.g. for sliding back and forth on a guide track] [N1007]
- A63B22/20T2 . . . [N: in a horizontal plane] [N1007]
- A63B22/20T4 . . . [N: in a substantially vertical plane, e.g. for exercising against gravity (exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight [A63B21/068](#); with adjustable inclination [A63B22/00B4](#))] [N1007]
- A63B22/20T8 . . . [N: On a track which is itself moving during exercise] [N1204]
- A63B23/00** **Exercising apparatus specially adapted for particular parts of the body ([A63B22/00](#) takes precedence; force-resisting aspects [A63B21/00](#); electric or electronic controls therefor [A63B24/00](#); devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards [G09B15/06](#))[C1208]**
- A63B23/02 . for the abdomen, the spinal column or the torso [N: muscles related to shoulders (e.g. chest muscles) [A63B23/12](#) t.p.; exercising belts without indicating means [A63B21/26](#)] [C1208]
- A63B23/02A . . [N: Abdomen] [N1203]
- A63B23/02A2 . . . [N: moving torso with immobilized lower limbs] [N1203]
- A63B23/02A4 . . . [N: moving lower limbs with immobilized torso] [N1203]
- A63B23/02A6 . . . [N: moving torso and lower limbs] [N1203]
- A63B23/02A8 . . . [N: moving torso or lower limbs laterally, i.e. substantially in the frontal plane] [N1203]
- A63B23/02B . . [N: Muscles of the back, e.g. by an extension of the body against a resistance, reverse crunch] [N1203]
- A63B23/02B2 . . . [N: Spinal column (for the neck [A63B23/025](#))] [N1203]
- A63B23/02S . . [N: with signalling or indicating means, e.g. of incorrect posture, for deep-breathing exercises]

- A63B23/025 . for the head or the neck
- A63B23/03 . . for face muscles
- A63B23/03M . . . [N: for insertion in the mouth]

- A63B23/035 . for limbs, i.e. upper or lower limbs, e.g. simultaneously [C1007]
- A63B23/035A . . [N: For a single arm or leg, ([A63B21/072D](#) takes precedence)] [N1204]

- [N: **WARNING**
[N1208]not complete, pending the completion of a reclassification
]
- A63B23/035C . . [N: For both arms together or both legs together; Aspects related to the co-ordination between right and left side limbs of a user] [N1204]
- A63B23/035C2 . . . [N: Supports for both feet or both hands performing simultaneously the same movement, e.g. single pedal or single handle ([A63B21/072B](#) takes precedence)] [N1204]
- A63B23/035C4 . . . [N: With separate means driven by each limb, i.e. performing different movements] [N1204]
- A63B23/035C4S [N: Moving independently from each other ([A63B22/00C](#) takes precedence)] [N1204]
- A63B23/035F . . [N: A single apparatus used for either upper or lower limbs, i.e. with a set of support elements driven either by the upper or the lower limb or limbs] [N1204]
- A63B23/035F2 . . . [N: Compound apparatus having multiple stations allowing an user to exercise different limbs] [N1204]
- A63B23/035F2C [N: the multiple stations having a common resistance device] [N1204]
- A63B23/035G . . [N: Apparatus used for exercising upper and lower limbs simultaneously] [N1204]
- A63B23/035G2 . . . [N: Upper and lower limbs acting simultaneously on the same operating rigid member] [N1204]
- A63B23/035G4 . . . [N: Upper and lower limb moving in phase, i.e. right foot moving in the same direction as the right hand] [N1204]
- A63B23/04 . . for lower limbs [N: ([Training appliances for special sports A63B69/00](#); [For the purpose of producing mechanical power F03G 5/00](#))] [M1208]
- A63B23/04B . . . [N: involving a bending of the knee and hip joints simultaneously ([A63B23/04C](#) takes precedence)]
- A63B23/04B2 [N: with guided foot supports moving parallel to the body-symmetrical-plane by translation]
- A63B23/04B3 [N: with guided foot supports moving parallel to the body-symmetrical-plane, one end executing a complete circular movement, the other end translating almost linearly, e.g. giving an elliptical movement to the foot] [N9701] [C9707]
- A63B23/04B4 [N: with guided foot supports moving parallel to the body-symmetrical-plane by being cantilevered about a horizontal axis]
- A63B23/04B6 [N: Step exercisers without moving parts ([with movable steps A63B22/04](#))]
- A63B23/04B8 [N: Walk exercisers without moving parts ([with movable endless bands A63B22/02](#))]
- A63B23/04B10 [N: Walking and pulling or pushing a load (for exercising the player ability for rugby or American football [A63B69/34F](#))] [N1204]
- A63B23/04C . . . [N: by rotating cycling movement ([arrangements on or for real bicycles A63B69/16](#))]

[N: **WARNING**

- Group 23/04C is no longer used for classification. Documents are in the process of being reorganised to group [A63B22/06](#)]
- A63B23/04E . . . [N: primarily by articulating the hip joints ([A63B23/02P](#), [A63B23/04B](#), [A63B23/04C](#) take precedence)]
- A63B23/04E2 [N: by spreading the legs]
- A63B23/04K [N: primarily by articulating the knee joints ([A63B23/04B](#), [A63B23/04C](#) take precedence)]
- A63B23/08 for ankle joints
- A63B23/08B [N: by rotational movement of the joint in a plane substantially parallel to the body-symmetrical-plane]
- A63B23/10 for feet or toes
- A63B23/12 . . . for upper limbs [N: or related muscles, e.g. chest, upper back or shoulder muscles (bench press exercises [A63B21/078](#); for teaching music [G09B15/06](#))] [C1204]
- A63B23/12A [N: Involving a bending of elbow and shoulder joints simultaneously] [N1204]
- [N: **WARNING**
[N1208] not complete, pending the completion of a reclassification
]
- A63B23/12A4 [N: Chinning, pull-up, i.e. concentric movement] [N1204]
- A63B23/12A5 [N: Dips i.e. push-ups in a vertical position, i.e. eccentric movement, e.g. between parallel bars] [N1204]
- A63B23/12A6 [N: Push-ups in horizontal position, i.e. eccentric movement] [N1204]
- A63B23/12D [N: Primarily by articulating the shoulder joint ([A63B23/12W](#) takes precedence)] [N1204]
- A63B23/12D1 [N: Rotation about an axis parallel to the longitudinal axis of the body, e.g. butterfly-type exercises] [N1204]
- A63B23/12D2 [N: Rotation about an axis passing through both shoulders, e.g. cross-country skiing-type arm movements] [N1204]
- A63B23/12D3 [N: Rotation around an axis perpendicular to the frontal body-plane of the user, i.e. moving the arms in the plane of the body, to and from the sides of the body] [N1204]
- A63B23/12K [N: primarily by articulating the elbow joint]
- A63B23/12W [N: for arm wrestling]
- A63B23/14 for wrist joints
- A63B23/16 for hands or fingers [N: (for teaching typing [G09B13/00](#))]
- A63B23/18 . . . for improving respiratory function
- A63B23/18R . . . [N: Rhythm indicators]
- A63B23/20 . . . for vaginal muscles [N: or other sphincter-type muscles]
- A63B24/00** **Electric or electronic controls for exercising apparatus of preceding groups; [N: Controlling or monitoring of exercises, sportive games, training or athletic performances]** [N9609] [C1005]
- A63B24/00A . . . [N: Analysing the course of a movement or motion sequences during an exercise or trainings sequence, e.g. swing for golf or tennis] [N1005]

- A63B24/00A1 . . [N: Computerised comparison for qualitative assessment of motion sequences or the course of a movement] [N1005]
- A63B24/00E . [N: Tracking a path or terminating locations] [N1005]
- A63B24/00F . [N: Exercising apparatus with reward systems] [C1204]
- A63B24/00G . [N: Monitoring athletic performances, e.g. for determining the work of a user on an exercise apparatus, the completed jogging or cycling distance] [N1005]
- A63B24/00H . [N: Means for generating exercise programs or schemes, e.g. computerized virtual trainer, e.g. using expert databases] [N1005]
- A63B24/00J . [N: Exercising apparatus with means for competitions, e.g. virtual races] [C1204]
- A63B24/00R . [N: Electric or electronic controls for exercising apparatus of groups [A63B21/00](#) - [A63B23/00](#), e.g. controlling load] [N1005]

A63B25/00 **Stilts or the like**

- A63B25/02 . Elastic stilts [N: (devices for balloon jumping [A63B5/16B](#))]
- A63B25/04 . with wheels
- A63B25/06 . Shoes formed with stilts to elongate the step
- A63B25/08 . Hopping-sticks, e.g. pogo sticks; [N: Hopping apparatus with a single resilient support (devices for balloon jumping [A63B5/16B](#))]
- A63B25/10 . Elastic bouncing shoes fastened to the foot

A63B26/00 **Exercising apparatus not covered by groups [A63B1/00](#) to [A63B25/00](#) [C1007]**

- A63B26/00B . [N: for improving balance or equilibrium (balance beams [A63B4/00](#); apparatus for rope dancing [A63B7/08](#); balancing drums, balancing boards or the like [A63B22/16](#))] [C1007]

Guide heading: **Climbing; Mountaineering**

A63B27/00 **Apparatus for climbing poles, trees, or the like ([N: ropes [A63B29/02](#)]; safety belts for climbers [A62B35/00](#); [N: climbing irons permanently attached to fixed structures [E06C9/04](#)])**

- A63B27/02 . Climbing devices for round poles [N: or trees] attachable to the feet
- A63B27/04 . Climbing devices for profile poles attachable to the feet

A63B29/00 **Apparatus for mountaineering (helmets [A42B3/00](#); non-skid devices or attachments for footwear, e.g. mountain climbing irons [A43C15/00](#); breathing masks or helmets for use at high altitudes [A62B18/00](#); [N: safety belts or body harnesses [A62B35/00](#)]; picks [B25D7/00](#))**

- A63B29/02 . Mountain guy-ropes or accessories, e.g. avalanche ropes [N: (hooks, e.g. snaphooks, therefor [F16B45/00](#))]; Means for indicating the location of accidentally buried, e.g. snow-buried, persons ([detecting hidden masses in general G01V](#))
- [N: **Note**
Contrary to the wording of group [A63B29/02](#), devices for lowering persons are classified in [A62B1/06](#)
]
- A63B29/02B . . [N: Means for indicating the location of accidentally buried, e.g. snow-buried, persons ([detecting hidden masses in general G01V](#))]
- A63B29/02C . . [N: Climbing chocks]
- A63B29/02E . . Ice screws [N1002]
- A63B29/02P . . [N: Pitons]
- A63B29/02R . . [N: Ropes specially adapted for mountaineering]
- A63B29/08 . Hand equipment for climbers

Guide heading: Swimming

- A63B31/00** **Swimming aids** (teaching swimming [A63B69/10](#) to [A63B69/14](#); life-saving in water, [N: e.g. life-buoys, life-belts], [B63C9/00](#))
- A63B31/02 . Swimming gloves
- A63B31/04 . . with arrangements for enlarging the propulsive surface
- A63B31/08 . Swim fins, flippers or other swimming aids held by, or attachable to, the hands, arms, feet or legs ([A63B31/18](#) takes precedence; worn as gloves [A63B31/02](#))
- A63B31/10 . . held by, or attachable to, the hands or feet
- A63B31/11 . . . attachable only to the feet
- A63B31/12 . . held by, or attachable to, the arms or legs
- A63B31/14 . . with valve-flaps
- A63B31/18 . Swimming appliances with propulsive effect for hands and feet simultaneously
- A63B33/00** **Swimming equipment attachable to the head, e.g. swim caps or goggles** (diving masks [B63C11/12](#) ; breathing aids, e.g. snorkels, [B63C11/18](#)) [M1207]
- A63B33/00B . [N: Swimming goggles (with means covering the nostrils [B63C11/12](#))] [C9911]
- A63B35/00** **Swimming framework**, [N: i.e. apparatus fixed to or held by the swimmer or diver], with driving mechanisms operated by the swimmer or by a motor (other vessels or like floating structures for pleasure or sport [B63B35/71](#), [B63B35/73](#); divers` sleds or like craft [B63C11/46](#)) [C9911]
- [N: **Informative note**
References listed below indicate ECLA places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Effecting propulsion of vessels by muscle power [B63H16/00](#)
]

- A63B35/02 . shaped like a fish tail
- A63B35/04 . with paddle wheels
- A63B35/06 . with twin-bladed paddles or buoyant members
- A63B35/08 . with propeller propulsion
- A63B35/10 . . operated by the swimmer
- A63B35/12 . . operated by a motor
- A63B35/12B . . . [N: the motor being driven by compressed air carried by the swimmer]

Guide heading: **Balls**

A63B37/00 **Solid balls; [N: Rigid hollow balls]; Marbles (heavy throwing balls [A63B65/06](#))**

- A63B37/00B . [N: Balls with finger holes, e.g. for bowling]
- A63B37/00B2 . . [N: Arrangements for adjusting, improving or measuring the grip, i.e. location, size, orientation or the like of finger holes]
- A63B37/00G . [N: Golf balls (for practising drives [A63B69/36D8](#), for practising puts [A63B69/36P8](#))]

[N: **WARNING** [N1205]

Subgroups of [A63B37/00G](#) are not complete pending reclassification; see also this group
]

- A63B37/00G2 . . [N: Surface depressions or protrusions]
- A63B37/00G2A . . . [N: Protrusions] [N1205]
- A63B37/00G2B . . . [N: Arrangement or layout of dimples] [N1205]
- A63B37/00G2C . . . [N: Non-circular dimples] [N1205]
- A63B37/00G2C2 [N: Elliptical] [N1205]
- A63B37/00G2C4 [N: Polygonal] [N1205]
- A63B37/00G2C6 [N: Annular] [N1205]
- A63B37/00G2C8 [N: Grooves or lines] [N1205]
- A63B37/00G2D . . . [N: Dimple profile, i.e. cross-sectional view] [N1205]
- A63B37/00G2D2 [N: The dimple being formed in both the cover and the underlying layer] [N1205]
- A63B37/00G2D4 [N: with sub-dimples formed within main dimples] [N1205]
- A63B37/00G2J . . . [N: Specified individual dimple volume] [N1205]
- A63B37/00G2K . . . [N: Specified total dimple volume] [N1205]
- A63B37/00G2L . . . [N: Specified number of dimples] [N1205]

A63B37/00G2M	. . .	[N: Specified dimple depth] [N1205]
A63B37/00G2N	. . .	[N: Specified dimple diameter] [N1205]
A63B37/00G2P	. . .	[N: Occupation ratio, i.e. percentage surface occupied by dimples] [N1205]
A63B37/00G4	. .	[N: Coatings, markings (methods for marking A63B45/02)] [N1205]
A63B37/00G6	. .	[N: Covers] [N1205]
A63B37/00G6B	. . .	[N: Materials other than ionomers or polyurethane] [N1205]
A63B37/00G6B2	. . . .	[N: Gutta-percha] [N1205]
A63B37/00G6B4	. . . .	[N: Balata] [N1205]
A63B37/00G6B6	. . . .	[N: Polyurea] [N1205]
A63B37/00G6D	. . .	[N: Physical properties] [N1205]
A63B37/00G6D2	. . . .	[N: Coefficient of restitution] [N1205]
A63B37/00G6D4	. . . .	[N: Hardness] [N1205]
A63B37/00G6D4B	. . . . .	[N: Hardness gradient] [N1205]
A63B37/00G6D6	. . . .	[N: Thickness] [N1205]
A63B37/00G6D8	. . . .	[N: Deflection or compression] [N1205]
A63B37/00G6D10	. . . .	[N: Density; Specific gravity] [N1205]
A63B37/00G6D11	. . . .	[N: Melt flow rate (MFR)] [N1205]
A63B37/00G6D16	. . . .	[N: Flexural modulus; Bending stiffness] [N1205]
A63B37/00G8	. .	[N: Intermediate layers, e.g. inner cover, outer core, mantle] [N1205]
A63B37/00G8B	. . .	[N: Special materials] [N1205]
A63B37/00G8D	. . .	[N: Physical properties] [N1205]
A63B37/00G8D2	. . . .	[N: Coefficient of restitution] [N1205]
A63B37/00G8D4	. . . .	[N: Hardness] [N1205]
A63B37/00G8D4B	. . . . .	[N: Hardness gradient] [N1205]
A63B37/00G8D6	. . . .	[N: Thickness] [N1205]
A63B37/00G8D8	. . . .	[N: Deflection or compression] [N1205]
A63B37/00G8D10	. . . .	[N: Density; Specific gravity] [N1205]
A63B37/00G8D11	. . . .	[N: Melt flow rate (MFR)] [N1205]
A63B37/00G8D16	. . . .	[N: Flexural modulus; Bending stiffness] [N1205]
A63B37/00G10	. .	[N: Cores] [N1205]
A63B37/00G10B	. . .	[N: Special materials other than polybutadienes; Special construction] [N1205]
A63B37/00G10B2	. . . .	[N: Liquid cores] [N1205]
A63B37/00G10B4	. . . .	[N: Thread wound] [N1205]
A63B37/00G10B6	. . . .	[N: Substantially rigid, e.g. metal] [N1205]
A63B37/00G10B7	. . . .	[N: with non-spherical insert(s)] [N1205]
A63B37/00G10B8	. . . .	[N: Hollow; Gas-filled] [N1205]
A63B37/00G10B10	. . . .	[N: Polyurethane] [N1205]
A63B37/00G10B12	. . . .	[N: Ionomer] [N1205]
A63B37/00G10D	. . .	[N: Physical properties] [N1205]
A63B37/00G10D2	. . . .	[N: Coefficient of restitution] [N1206]
A63B37/00G10D4	. . . .	[N: Hardness] [N1205]
A63B37/00G10D4B	. . . . .	[N: Hardness gradient] [N1205]

- A63B37/00G10D6 [N: Diameter] [N1205]
- A63B37/00G10D8 [N: Deflection or compression] [N1205]
- A63B37/00G10D10 [N: Density; Specific gravity] [N1205]
- A63B37/00G10D12 [N: Weight; Mass] [N1205]
- A63B37/00G10D14 [N: Initial velocity] [N1205]
- A63B37/00G10D16 [N: Flexural modulus] [N1205]
- A63B37/00G12 . . . [N: Characteristics of the ball as a whole] [N1205]
- A63B37/00G12B . . . [N: with a specified number of layers] [N1205]
- A63B37/00G12B1 [N: Solid, i.e. formed of a single piece] [N1205]
- A63B37/00G12B2 [N: Two piece balls, i.e. cover and core] [N1205]
- A63B37/00G12B3 [N: Three piece balls, i.e. cover, intermediate layer and core] [N1205]
- A63B37/00G12B4 [N: Multi-piece balls, i.e. having two or more intermediate layers] [N1205]
- A63B37/00G12D . . . [N: Physical properties] [N1205]
- A63B37/00G12D2 [N: Coefficient of restitution] [N1205]
- A63B37/00G12D6 [N: Diameter] [N1205]
- A63B37/00G12D8 [N: Deflection] [N1205]
- A63B37/00G12D10 [N: Density; Specific gravity] [N1205]
- A63B37/00G12D12 [N: Weight; Mass] [N1205]
- A63B37/00G12D14 [N: Initial velocity] [N1205]
- A63B37/00G12D16 [N: Flexural modulus] [N1205]
- A63B37/00G12D18 [N: Deflection or compression] [N1205]
- A63B37/00G12D20 [N: Frequency] [N1205]
- A63B37/00G12D22 [N: Coefficient of drag] [N1205]
- A63B37/00G12D24 [N: Coefficient of lift] [N1205]
- A63B37/00G12D26 [N: Density distribution amongst the different ball layers] [N1205]
- A63B37/00G12D28 [N: Hardness distribution amongst the different ball layers] [N1205]
- A63B37/00G12D30 [N: Moisture vapour transmission rate (MVTR)] [N1205]
- A63B37/00G12D32 [N: Rebound resilience] [N1205]
- A63B37/00G12D34 [N: Scuff resistance] [N1205]
- A63B37/00G12D36 [N: Spin rate] [N1205]
- A63B37/00G12D38 [N: Layers interlocking by means of protrusions or inserts, lattices or the like] [N1205]

- A63B37/00P . . . [N: Rigid hollow balls, e.g. for pétanque]

- A63B37/02 . . . Special cores [N: ([A63B37/00B](#), [A63B37/00G](#) take precedence)]
- A63B37/04 . . . Rigid cores
- A63B37/06 . . . Elastic cores
- A63B37/08 . . . Liquid cores; Plastic cores
- A63B37/10 . . . with eccentric centre of gravity

- A63B37/12 . . . Special coverings, [N: i.e. outer layer material ([A63B37/00B](#), [A63B37/00G](#) take precedence)]

- A63B37/14 . . . Special surfaces [N: ([A63B37/00G2](#) takes precedence)]

- A63B39/00** **Hollow non-inflatable balls**, [N: i.e. having no valves (rigid balls [A63B37/00](#))]
- A63B39/02 . Arrangements for maintaining the pressure
- A63B39/02C . . [N: using containers with pressurising means for balls not in use (packages under vacuum or pressure, or special atmospheres [B65D81/20](#))]
- A63B39/02D . . [N: using special inflation gases]
- A63B39/04 . . Pricking-balls; [N: Tools for blowing them up]
- A63B39/06 . Special coverings
- A63B39/08 . . made of two halves
- A63B41/00** **Hollow inflatable balls** (connecting valves to inflatable elastic bodies [B60C29/00](#); valves, e.g. self-closing valves [F16K](#))
- A63B41/02 . Bladders
- A63B41/04 . . Closures therefor
- A63B41/08 . Ball covers; Closures therefor
- A63B41/08B . . [N: Closures]
- A63B41/10 . Bladder and cover united
- A63B41/12 . Tools or devices for blowing up or closing balls ([N: for pricking-balls [A63B39/04](#)]; air pumps [F04](#))
- A63B43/00** **Balls with special arrangements**
- A63B43/00C . [N: with special configuration, e.g. non-spherical (discs for throwing [A63B65/10](#))]
- A63B43/00D . [N: electrically conductive, e.g. for automatic arbitration]
- A63B43/00E . [N: with adhesive type surfaces, e.g. hook-and-loop type fastener]
- A63B43/00T . [N: Arrangements on balls for connecting lines or cords]
- A63B43/00V . [N: with means for improving visibility, e.g. special markings or colours (illuminating or reflecting means [A63B43/06](#))]
- A63B43/02 . with a handle
- A63B43/04 . with an eccentric centre of gravity; with mechanism for changing the centre of gravity (solid balls [A63B37/10](#);[N: motorised rolling toys [A63H33/00E](#)])
- A63B43/06 . with illuminating devices; [N: with reflective surfaces]
- A63B45/00** **Apparatus or methods for manufacturing balls** (working of plastics or substances in a plastic state [B29](#))

- A63B45/02 . Marking of balls
- A63B47/00** **Devices for handling or treating balls, [N: e.g. for holding or carrying balls (for maintaining ball pressure [A63B39/02](#); ball holders combined with racket presses [A63B49/16](#), with racket covers or cases [A63B49/18](#), fitted on golf bags [A63B55/02](#))]**
- A63B47/00B . [N: Ball holders attached to the player`s body]
- A63B47/00D . [N: Devices for dispensing balls, e.g. from a reservoir (automatic teeing devices [A63B57/00A](#); devices for projecting balls [A63B69/40](#))]
- A63B47/00H . [N: Ball heating devices]
- A63B47/00L . [N: Devices for carrying, stacking or transporting bowling balls]
- A63B47/00M . [N: Devices for measuring or verifying ball characteristics (measuring or testing in general [G01](#))]
- A63B47/02 . for picking-up [N: or collecting]
- A63B47/02B . . [N: for picking-up automatically, e.g. by apparatus moving over the playing surface]
- A63B47/02D . . [N: for collecting by using a sweeping means moving across the playing surface]
- A63B47/02E . . [N: Installations continuously collecting balls from the playing areas, e.g. by gravity, with conveyer belts]
- A63B47/04 . for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys [A63D5/10](#))

Guide heading: Rackets, bats, or other accessories for ball games

A63B49/00 Tennis, badminton, or like rackets

[N: **WARNING** [N1110]

Group [A63B49/00M](#), [A63B49/06](#) are not complete pending a reclassification. See also this group, its subgroups and other groups of A63B]

- A63B49/00F . [N: String guides on frames]
- A63B49/00G . [N: Means for clamping string ends on frames] [C9511]
- A63B49/00M . [N: Means for achieving greater mobility of the string bed] [N1110]
- A63B49/02 . Frames
- A63B49/02C . . [N: Throat section, i.e. sections and elements between head and handle] [C1202]
- A63B49/02C1 . . . [N: T-shaped connection elements between head and handle] [C1202]
- A63B49/02E . . [N: with easily dismountable parts, e.g. head, handle or grip] [C1202]
- A63B49/02F . . [N: with head subframes for replacing the stringing]
- A63B49/04 . . with balancing devices [N: ([A63B59/00V](#), [A63B49/00W](#) take precedence)]

- A63B49/06 . . with slits [N: (slits for guiding strings [A63B49/00E](#); slits for cooling or ventilation [A63B59/00B6](#)) [N1110]]
- A63B49/08 . . with special construction of the handle
- A63B49/10 . . made of non-metallic materials, other than wood
- A63B49/10G . . . [N: with inflatable tubes, e.g. inflatable during fabrication]
- A63B49/12 . . made of metal
- A63B49/14 . . Protection devices on the frame
- A63B49/16 . Presses, [N: e.g. with ball holders (ball holders in general [A63B47/00](#))]
- A63B49/18 . Covers [N: or cases, e.g. with ball holders (ball holders in general [A63B47/00](#))]
- A63B51/00** **Stringing tennis rackets** [N: (string guides on frames [A63B49/00E](#); clamping strings on frames [A63B49/00G](#))]
- A63B51/00M . [N: Devices for measuring the tension of the string (for controlling the tension during stringing [A63B51/14](#); measuring force, in general [G01L](#))]
- A63B51/00P . [N: Pre-woven string-sets ready for insertion into a frame]
- A63B51/00S . [N: String aligning tools for rackets]
- A63B51/02 . Strings; String substitutes; [N: Products applied on strings, e.g. for protection against humidity or wear (ropes or cables in general [D07B](#); yarns or threads for use in sports applications [D02G3/44D](#); mechanical methods or apparatus in the manufacture of artificial filaments, threads, fibres, bristles or ribbons [D01D](#); strings for musical instruments [G10D3/10](#)) [N1110]]
- A63B51/04 . . Sheet-like structures used as substitutes
- A63B51/06 . Double-sided stringings
- A63B51/08 . Diagonal stringings
- A63B51/10 . Reinforcements for stringings
- A63B51/10C . . [N: Intermediate members for string cross-points]
- A63B51/12 . Devices arranged in or on the racket for adjusting the tension of the strings
- A63B51/14 . Devices for stringing, [N: e.g. controlling the tension of the string during stringing]
- A63B53/00** **Golf clubs** [N: (cleaning or maintenance [A63B57/00W](#); measuring, verifying or correcting golf-club characteristics [A63B59/00M](#); clubs or attachments on clubs for golf training [A63B69/36D2](#))]
- A63B53/00P . [N: Putters]
- A63B53/02 . Joint structures between the head and the shaft
- A63B53/04 . Heads
- A63B53/04L . . [N: wood-type][N0404]

- A63B53/04M . . [N: iron-type][N0404]
- A63B53/04M2 . . . [N: with one or more enclosed cavities][N0404]
- A63B53/04P . . [N: for putters ([A63B53/06P](#) takes precedence)]
- A63B53/06 . . adjustable
- A63B53/06P . . . [N: for putters]

- A63B53/08 . with special arrangements for obtaining a variable impact

- A63B53/10 . [N: Shafts, e.g.] non-metallic shafts [N: (metallic [A63B53/12](#))]

- A63B53/12 . Metallic shafts

- A63B53/14 . Handles
- A63B53/14W . . [N: Weighted handles]
- A63B53/16 . . adjustable

A63B55/00 **Bags for golf clubs; Stands for golf clubs for use on the course**

- A63B55/00B . [N: Covers or hoods for golfbags] [N9509]
- A63B55/00B2 . . [N: releasably attached] [N9509]

- A63B55/00C . [N: Covers for golf club heads; Connector means therefor]

- A63B55/00D . [N: Releasably mounted accessories fitted outside the bag, e.g. straps or holders ([A63B55/02](#) and [A63B55/04](#) take precedence; covers for golfbags [A63B55/00B](#); covers for club heads [A63B55/00C](#))] [C9509]

- A63B55/02 . with special [N: or detachable] receptacles for the balls

- A63B55/04 . Supports, [N: e.g.] with devices for anchoring to the ground
- A63B55/04L . . [N: Legs opening automatically upon putting the bag on the ground]

- A63B55/08 . Wheeled carriers for golf bags ([running gear or propulsion features B60](#); [N: insofar as the features thereof are generic to hand carts [B62B](#)]) [C9803]
- A63B55/08M . . [N: motorised]

- A63B55/10 . Stands for golf clubs, [N: e.g.] for use on the course; [N: Golf club holders, racks or presses]

A63B57/00 **Golf game accessories, e.g. golf cups, golf tees**

- A63B57/00A . [N: Automatic teeing devices (devices for automatically dispensing balls in general [A63B47/00D](#))]

- A63B57/00B . [N: Devices for forming the tees]

- A63B57/00C . [N: Tees; Tee-holders; Devices for inserting or extracting tees]
- A63B57/00C2 . . [N: Tee-holders (to be fitted on golf bags or caddies [A63B55/00D](#)); Tee-gauges; Tee-repairing devices]

- A63B57/00C4 . . [N: Devices for inserting or extracting tees]
- A63B57/00C6 . . [N: Brush-type tee] [N1205]
- [N: **WARNING** [N1206]
Not complete, pending the reclassification; see also other subgroups of [A63B57/00](#)]
- A63B57/00C8 . . [N: Tethered to something, e.g. ground or second body] [N1205]
- [N: **WARNING** [N1206]
Not complete, pending the reclassification; see also other subgroups of [A63B57/00](#)]
- A63B57/00D . [N: Cups (with automatic ball ejector [A63B57/00E](#)); Hole or ball traps; Markers therefor, e.g. flags]
- A63B57/00E . [N: Cups with automatic ball ejector means]
- A63B57/00G . [N: for maintenance or repairing, e.g. of courts, greens, sands]
- A63B57/00M . [N: Golf ball position markers or marker-holders]
- A63B57/00S . [N: Hole information stands, e.g. tee-boxes] [N9503]
- A63B57/00W . [N: Cleaning or maintenance of golf-clubs, putters, shoes or other golf accessories (cleaning balls [A63B47/04](#); cleaning grips [A63B59/00C](#); cleaning footwear in general [A47L23/00](#))]
- A63B59/00** **Bats, rackets, or the like, for other games** (bats with a ball tethered thereto [A63B67/20](#)); [N: Hand-held throwing or catching aids; Details or accessories of bats, rackets or the like, not limited to one of the groups [A63B49/00](#) to [A63B57/00](#), or not otherwise provided for]
- [N: **WARNING** [N1110]
Groups [A63B59/00B3](#) to [A63B59/0012](#), [A63B59/00R](#), [A63B59/00V](#), [A63B59/00T](#), [A63B59/00W](#) are not complete pending a reclassification. See also this group, its subgroups and other groups of A63B]
- A63B59/00B . [N: Handles or grips ([A63B49/08](#) takes precedence)] [C1110]
- A63B59/00B3 . . [N: contoured according to the anatomy of the user's hand] [N1110]
- [N: **WARNING**
Not complete, pending the completion of a reclassification]
- A63B59/00B4 . . [N: Coverings specially adapted therefor, e.g. sleeves, ribbons] [N1110]
- [N: **WARNING**
Not complete, pending the completion of a reclassification]]
- A63B59/00B5 . . [N: Caps, ferrules] [N1110]
- [N: **WARNING**
Not complete, pending the completion of a reclassification]

- A63B59/00B6 . . [N: with grooves or holes for cooling, ventilating or sweat-reduction; with powder dispensers] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B7 . . [N: with two handgrips] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B8 . . [N: adjustable in length] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B9 . . [N: with adjustable perimetric length] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B10 . . [N: with means for changing the angular position of the handle about its longitudinal axis] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B11 . . [N: the handle axis being different from the main axis of the bat or racket] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00B12 . . [N: adjustable in stiffness] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]
- A63B59/00C . [N: Devices for cleaning handles or grips]
- A63B59/00D . [N: Bats or rackets having ball-dispensing means]
- A63B59/00H . [N: Bats or rackets with holding means provided inside, on the edge or on the rear face of the the striking surface ([A63B59/02](#) and [A63B59/04](#) take precedence)]
- A63B59/00M . [N: Devices for measuring, verifying, correcting or customizing characteristics of golf-clubs, bats or rackets (having a weight movable along the longitudinal axis of the club due to centrifugal forces [A63B15/00C](#))] [C1110]
- A63B59/00R . [N: corrugated cross sections] [N1110]

[N: **WARNING**
Not complete, pending the completion of a reclassification
]

- A63B59/00T . [N: Bats with through holes] [N1110]
- A63B59/00V . [N: Means for damping vibration ([A63B15/00C](#) takes precedence)] [N9908] [C1110]
- A63B59/00W . [N: Movable ballast means for varying the centre of mass during the stroke, e.g. by centrifugal force ([A63B15/00C](#) takes precedence; weights set in movement on impact of the ball for damping vibrations [A63B59/00V](#))] [N1110]
- A63B59/02 . for lacrosse, pelota or similar games; [N: Bats or rackets having means for catching or holding a ball, e.g. pockets, netting, adhesive type surface; Hand-held throwing or catching aids ([juggling games with integral catching arrangements A63B67/08B](#))]
- A63B59/02B . . [N: Hand-held throwing or catching aids for use with rings, discs, wheels or cylindrical throwing-bodies, or for use with balls having a central bore]
- A63B59/04 . for table tennis
- A63B59/06 . for baseball, rounders, or similar games
- A63B59/08 . for cricket
- A63B59/10 . for croquet; [N: Mallet-form bats ([polo mallets A63B59/16](#))]
- A63B59/12 . for hockey, [N: e.g. hurley sticks]
- A63B59/14 . for ice hockey [N: ([A63B59/12](#) takes precedence)]
- A63B59/16 . for polo
- A63B59/18 . Circular [N: or similar planar] bats for other games [N: not covered by groups [A63B59/02](#) to [A63B59/16](#)] [N0809]
- A63B59/18P . . [N: Paddles for paddle tennis, pádel tennis or platform tennis ([stringed rackets for tennis or the like A63B49/00](#))] [N0809]
- A63B61/00** **Tennis nets or accessories for tennis or like games, [N: e.g. volley-ball (devices for holding or carrying balls [A63B47/00](#); for table tennis [A63B67/04](#))]**
- A63B61/00N . [N: Nets for tennis or like games or accessories therefor ([straining or adjusting devices on the posts A63B61/02](#))]
- A63B61/00N2 . . [N: Accessories for training purposes mounted on the net]
- A63B61/02 . Posts; Revolvably-mounted posts; [N: Straining or adjusting devices on the posts, e.g. coin- or time operated]
- A63B61/04 . Straining or adjusting devices for nets, [N: e.g. centre strainers, single-double adjusters, net height meters ([straining or adjusting devices on the posts A63B61/02](#))]
- A63B63/00** **Targets or goals for ball games ([golf cups A63B57/00](#))**
- A63B63/00D . non-electronic means for locating the point of impact on a target or the point of entry in the goal

- A63B63/00F . [N: Goals of the type used for football, handball, hockey or the like]
- A63B63/00H . [N: Target zones without opening defined on a substantially horizontal surface]
- A63B63/00R . [N: Goals for rugby or American football]
- A63B63/06 . Revolving targets; [N: Moving targets, e.g. moving or revolving on impact]
- A63B63/08 . with [N: substantially] horizontal opening for ball, e.g. for basketball [N: ([A63B57/00D](#), [A63B63/06](#) take precedence)]
- A63B63/08B . . [N: for basketball]

- A63B65/00** **Implements for throwing** (throwing toys [A63H33/18](#); throwing weapons [F41B](#)); [N: Mechanical projectors, e.g. using spring force]
- A63B65/02 . Spears or the like; [N: Javelins (darts [F42B6/00B](#))]
- A63B65/04 . Throwing-hammers
- A63B65/06 . Heavy throwing-balls, [N: i.e. "medicine balls", shots, weights or stones for putting]
- A63B65/08 . Boomerangs; [N: Throwing apparatus therefor]
- A63B65/10 . Discus discs; Quoits [N: (flying disc toys [A63H33/18](#))]
- A63B65/12 . Ball-throwing apparatus with or without catchers; [N: (hand-held throwing or catching aids [A63B59/02](#)); Mechanical projectors, e.g. using spring force]
- A63B65/12B . . [N: Hand-held mechanical projectors, e.g. for balls]
- A63B65/12B2 . . . [N: with handles or grips on both sides of the catching-throwing means, for two-handed use] [C9506]
- A63B65/12C . . [N: Means for throwing or catching balls, attached to the foot]

- A63B67/00** **Miscellaneous sporting games**
- A63B67/00B . [N: Games using balls, not otherwise provided for]
- A63B67/00W . [N: played in water]
- A63B67/02 . Special golf games, e.g. miniature golf, [N: e.g. golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track (mats for golf practice [A63B69/36G](#))]
- A63B67/04 . Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis ([N: tables for table tennis [A47B25/00B](#)]; other table games [A63F](#)) [C9506]
- A63B67/04S . . [N: Supports for table tennis nets] [N9506]
- A63B67/06 . Ring or disc tossing games, [N: e.g. quoits; Throwing or tossing games, e.g. using balls; Games for manually rolling balls, e.g. marbles]

- A63B67/06B . . [N: using balls on a horizontal playing ground, e.g. petanque]
- A63B67/06B2 . . . [N: Devices used therewith for measuring distance or difference in distance]
- A63B67/08 . Juggling or spinning ball games played as games of skill; [N: Juggling games (games using tethered bodies, e.g. balls [A63B67/10](#), [A63B67/20](#))]
- A63B67/08B . . [N: Juggling games with integral catching or bouncing arrangements]
- A63B67/08C . . [N: Juggling games using sticks or discs]
- A63B67/10 . Games with thread-suspended or swingably-mounted bodies, e.g. balls, pointed bodies shaped as birds, animals, or the like, for aiming at and hitting targets (games using a bat with a ball tethered thereto [A63B67/20](#); pin games with tethered balls [A63D7/00](#)); [N: Games using tethered bodies, e.g. balls, not otherwise provided for]
- A63B67/12 . Flip games, [N: i.e. games using playing bodies being flipped or twirled up in the air, e.g. for hitting them with a bat; Games of tip-cat]
- A63B67/14 . Curling stone; Shuffleboard; Similar sliding games
- A63B67/14B . . [N: Curling brooms or brushes] [N9502]
- A63B67/16 . Tethered aerial top or spinner games, [N: i.e. diabolo games]
- A63B67/18 . Badminton, shuttlecock, or like games with feathered missiles
- A63B67/20 . Games using a bat [N: or racket] with a [N: body, e.g. a] ball tethered thereto
- A63B67/20B . . [N: the bat having one or more spigots for catching bodies having a bore, e.g. rings]
- A63B67/22 . . the bat [N: or racket] having one or more holes [N: or pockets] therein, [N: e.g. for catching or collecting the ball; the bat comprising a ring or cup having a handle]
- A63B69/00** **Training appliances or apparatus for special sports (training of parachutists [B64D23/00](#))**
- A63B69/00B . [N: for baseball]
- A63B69/00B2 . . [N: Baseball bases]
- A63B69/00D . [N: for cricket]
- A63B69/00E . [N: for badminton]
- A63B69/00F . [N: for football (American-football dummies [A63B69/34F](#))] [C9410]
- A63B69/00G . [N: for skating]
- A63B69/00H . [N: for hockey] [N0604]
- A63B69/00H2 . . [N: for ice-hockey] [N0604]
- A63B69/00J . [N: for running, jogging or speed-walking (movable endless bands [A63B22/02](#))]
- A63B69/00J2 . . [N: on the spot]
- A63B69/00K . [N: for the martial arts, e.g. karate, judo ([A63B69/20](#), [A63B69/34](#) take precedence)]

- A63B69/00L . [N: for bowling]
- A63B69/00M . [N: for mountaineering, e.g. climbing-walls, grip elements for climbing-walls]
- A63B69/00N . [N: not used, see subgroups and [A63B69/00](#)] [C9601]
- A63B69/00N2 . . [N: Apparatus generating random stimulus signals for reaction-time training involving a substantial physical effort (testing reaction time [A61B5/16D](#); reaction-time games [A63F9/00R](#))]
- A63B69/00N4 . . [N: Means for physically limiting movements of body parts ([A63B23/02P](#) takes precedence)] [N9602] [C9604]
- A63B69/00N4B . . . [N: worn by the user] [N9604]
- A63B69/00N6 . . [N: Attachments on the trainee preventing falling]
- A63B69/00P . [N: for wind-surfing]
- A63B69/00R . [N: for bull-fighting, or animal-roping]
- A63B69/00S . [N: for basketball]
- A63B69/00T . [N: Means for releasably holding a ball in position; Balls constrained to move around a fixed point, e.g. by tethering (not used, see subgroups and [A63B69/00](#))] [N9511] [C9601]
- A63B69/00T1 . . [N: Means for releasably holding a ball in position prior to kicking, striking or the like (golf tees [A63B57/00C](#))]
- A63B69/00T2 . . [N: Balls tethered to a line or cord ([A63B43/00T](#) takes precedence; other games using tethered balls [A63B67/10](#); games using a bat or racket with a ball tethered thereto [A63B67/20](#))]
- A63B69/00T2B . . . [N: the line or cord being fixed to at least two points]
- A63B69/00T2C . . . [N: the line or cord being attached to the user ([A63B21/06B2](#) takes precedence; punching balls attached to the user [A63B69/26](#))]
- A63B69/00T2D . . . [N: the line or cord having a handle]
- A63B69/00T3 . . [N: Balls fixed to a movable, tiltable or flexible arm]
- A63B69/00U . [N: for surfing, i.e. without a sail; for skate or snow boarding] [C9901]
- A63B69/00V . [N: for volley-ball]
- A63B69/00W . [N: Ball rebound walls (with holes or in combination with nets [A63B63/00](#))]
- A63B69/02 . for fencing, [N: e.g. means for indicating hits (fencing foils, sabres or epees [F41B13/02](#))]
- A63B69/04 . simulating the movement of horses (toy animals for riding [A63G19/00](#))
- A63B69/06 . for rowing or sculling
- A63B69/08 . . with water-filled pools
- A63B69/10 . Swimming instruction apparatus for use without water
- A63B69/12 . Arrangements in swimming pools for teaching swimming [N: or for training]

- A63B69/12B . . [N: Devices for generating a current of water in swimming pools]
- A63B69/14 . . Teaching frames for swimming; [N: Swimming boards (life-buoys, life-belts [B63C9/08](#))]
- A63B69/16 . for cycling, [N: i.e. arrangements on or for real bicycles (home-trainers [A63B23/04C](#))]
- A63B69/18 . for skiing
- A63B69/18C . . [N: for cross-country-skiing ([A63B23/04B2](#), [A63B69/00G](#) take precedence)]
- A63B69/18W . . [N: for water-skiing]
- A63B69/20 . Punching balls, [N: e.g. for boxing; Other boxing training devices, e.g. bags ([A63B69/34](#) takes precedence)] [C9809]
- A63B69/20B . . [N: Hanging heavy punching bags] [C9809]
- A63B69/20C . . [N: Punching balls, i.e. mainly designed to be hit at resonant frequency] [N9809]
- A63B69/20C2 . . . [N: hanging downwards] [N9809]
- A63B69/20C4 . . . [N: mounted by using attachments at opposite points] [N9809]
- A63B69/20C6 . . . [N: mounted on a resilient foot] [N9809]
- A63B69/24 . . mounted on, or suspended from, a movable support [N: not used, see subgroup]
- A63B69/26 . . . attached to the human body
- A63B69/32 . . with indicating devices
- A63B69/32H . . . [N: for vertical blows on a horizontal surface]
- A63B69/34 . [N: Dummies, e.g.] boxing or [N: American-] football dummies
- A63B69/34F . . [N: (American-) football, rugby, wrestling dummies, e.g. for tackling, blocking]
- A63B69/36 . for golf [C0604]
- A63B69/36B . . [N: Attachments on the body, e.g. for measuring, aligning, restraining ([A63B69/00N4B](#), [A63B69/36M4](#) take precedence)] [C9705]
- A63B69/36C . . [N: not used, see 69/36 and subgroups] [N9503]
- A63B69/36C2 . . . [N: using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club] [N9503] [C9602]
- A63B69/36C4 . . . [N: Striking surfaces with impact indicating means, e.g. markers] [N9604]
- A63B69/36D . . [N: for driving ([A63B69/36B](#), [A63B69/36E](#), [A63B69/36G](#), [A63B69/36M](#) and [A63B69/36T](#) take precedence)] [C9605]
- A63B69/36D2 . . . [N: Clubs or attachments on clubs, e.g. for measuring, aligning ([A63B69/36C2](#) takes precedence; clubs for swinging exercises in general [A63B15/00](#))] [C9503]
- A63B69/36D2C [N: with sound-emitting source]
- A63B69/36D2W [N: Normal golf clubs with directly attached weights] [C9705]
- A63B69/36D4 . . . [N: with guides for guiding the swing] [N1205]
- [N: **WARNING** [N1206]
Not complete, pending the reclassification; see also other subgroups of [A63B69/00](#)
]
- A63B69/36D4M [N: Mechanical guide guiding the club head end during the complete swing, e.g. rails] [N1205]
- A63B69/36D4M1 [N: with a flexible member fixed on the club and rotating around a fixed supporting point] [N1205]

- A63B69/36D4M2 [N: with arm or rod fixed on the club and rotating around a fixed supporting point] [N1205]
- A63B69/36D6 [N: Inclined platforms for practising drives from slopes]
- A63B69/36D8 [N: Balls, ball substitutes, or attachments on balls therefor]
- A63B69/36E [N: Means associated with the ball for indicating or measuring, e.g. speed, direction] [N9605]
- A63B69/36G [N: Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area]
- A63B69/36M [N: Golf stance aids, e.g. means for positioning a golfer`s feet]
- A63B69/36M4 [N: Foot inclining aids; Foot wobbling devices] [N9602]
- A63B69/36P [N: for putting ([A63B69/36B](#), [A63B69/36G](#), [A63B69/36M](#) and [A63B69/36T2](#) take precedence)] [C9503]
- A63B69/36P2 [N: Putters or attachments on putters e.g. for measuring, aligning ([A63B69/36C2](#) takes precedence)] [C9503]
- A63B69/36P8 [N: Balls, ball substitutes, or attachments on balls therefor]
- A63B69/36T [N: Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens (special golf games, e.g. miniature golf, [A63B67/02](#); mats for simulating golf greens [A63B69/36G](#))]
- A63B69/36T1 [N: for driving only]
- A63B69/36T2 [N: with putting taking place on a green other than the target green]
- A63B69/38 for tennis [N: ([A63B61/00N2](#), [A63B69/00T](#) and [A63B69/00W](#) take precedence)]
- A63B69/38S [N: for practising the serve] [N9511]
- A63B69/40 Stationarily-arranged devices for projecting balls [N: or other bodies (ball-dispensing devices [A63B47/00D](#); golf cups with ball ejector means [A63B57/00E](#); targets with means for returning balls by gravity or mechanically [A63B63/00](#)); (sling weapons [F41B3/00](#); traps for clay-pigeon targets [F41J9/18](#))]
- A63B69/40D [N: with rotating discs, wheels or pulleys gripping and propelling the balls or bodies by friction]
- A63B69/40E [N: with spring-loaded propelling means][C0502]
- A63B69/40E4 [N: with rotating propelling arm]
- A63B69/40P [N: with pneumatic ball- or body-propelling means]
- A63B71/00** **Games or sports accessories not covered in groups [A63B1/00](#) to [A63B69/00](#) (starting appliances [A63K3/02](#))**
- A63B71/00H [N: for handicapped persons]
- A63B71/00K [N: Accessories for stowing, putting away or transporting exercise apparatus or sports equipment (handling or treating balls [A63B47/00](#); for golf clubs [A63B55/00](#))]
- A63B71/00K2 [N: specially adapted for games played with rackets or bats]
- A63B71/00P [N: Features for injury prevention on an apparatus, e.g. shock absorbers (mats or the like for absorbing shocks for jumping [A63B6/00](#))] [C1002]
- A63B71/02 for large-room or outdoor sporting games
- A63B71/02H [N: Stays or guy-ropes (for masts [E04H12/20](#), for tents [E04H15/34](#))]

- A63B71/02P . . [N: Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls]
- A63B71/02S . . [N: Supports, e.g. poles] [C9501]
- A63B71/02S6 . . . [N: Floor sockets for removable poles (sockets for poles in general [E04H12/22](#))] [N9410]
- A63B71/04 . for small-room or indoor sporting games
- A63B71/06 . Indicating or scoring devices for games or players, [N: or for other sports activities] [C1005]
- A63B71/06B . . [N: Decision makers and devices using detection means facilitating arbitration] [C1006]
- A63B71/06B2 . . . [N: using mechanical, i.e. non-electrical means] [N0604]
- A63B71/06C . . [N: Means for conducting or scheduling competition, league, tournaments or rankings] [N1005]
- A63B71/06D . . [N: Displays, user interfaces and indicating devices, specially adapted for sport equipment, e.g. display mounted on treadmills] [N1005]
- A63B71/06D2 . . . [N: Visual, audio or audio-visual systems for entertaining, instructing or motivating the user] [N1005]
- A63B71/06D8 . . . [N: Score-keepers or score display devices] [N1005]
- A63B71/06D8B [N: using non-electronic means] [N1005]
- A63B71/06F . . [N: Timers, rhythm indicators or pacing apparatus using electric or electronic means] [N1005]
- A63B71/06R . . [N: Reservation devices]
- A63B71/08 . Body-protectors for players or sportsmen, [N: i.e. body-protecting accessories affording protection of body parts against blows or collisions] (protective clothing or garments for sporting purposes [A41D13/00](#))
- A63B71/08A . . [N: fluid-filled, e.g. air-filled]
- A63B71/08M . . [N: Mouth or teeth protectors ([A63B71/08A](#) takes precedence; protective face masks [A41D13/00](#))]
- A63B71/10 . . for the head ([N: [A63B71/08A](#) takes precedence]; in the form of caps or hats [A42B1/08](#); helmets [A42B3/00](#))
- A63B71/12 . . for the body, [N: e.g. shoulders], or the legs [N: ([A63B71/08A](#) takes precedence)]
- A63B71/12G . . . [N: for the genital area][N0404]
- A63B71/12L . . . [N: for the legs, e.g. thighs, knees, ankles, feet (bandages, e.g. orthosis-like supports or braces [A61F5/01D](#); for strengthening joints [A61F13/06](#))]
- A63B71/12N . . . [N: for the neck (as a part of a helmet [A42B](#))]
- A63B71/14 . . for the hands e.g. baseball, boxing or golfing gloves (archer`s finger tabs [F41B5/16](#)) [C0101]
- A63B71/14G . . . [N: in the form of gloves (gloves in general [A41D19/00](#))] [N0101]
- A63B71/14G2 [N: Baseball or hockey gloves] [N0101]
- A63B71/14G4 [N: Boxing gloves] [N0101]
- A63B71/14G6 [N: Golf gloves] [N0101]
- [N: **WARNING**
not complete, see [A63B7/14G8](#)
]
- A63B71/14G8 [N: Gloves for bowling and other ball games] [N0101]