

ECLA**EUROPEAN CLASSIFICATION****A63C**

SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (devices for underwater sports [A63B31/00](#), [A63B33/00](#), [B63C11/00](#); devices for gliding on water, e.g. water skis, [B63B35/79](#), [B63B35/81](#), [B63B35/83](#))

[N: WARNING

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

[A63C5/025](#) covered by [A63C5/00](#)
[A63C5/14](#) covered by [A63C5/12](#)

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Guide heading: **Skates; Accessories for skating**

A63C1/00 **Skates** (roller skates or skate boards [A63C17/00](#))

- A63C1/02 . rigidly mounted on the sole of the boot
- A63C1/04 . fastened by means of clamps
- A63C1/06 . . with sole and heel plates each equipped with clamps
- A63C1/08 . . with simultaneously-tightened sole and heel clamps
- A63C1/10 . . tightened by the movement of the foot
- A63C1/12 . . tightened by lateral swinging or shifting of the blade or of the whole skate
- A63C1/14 . . tightened by means of springs
- A63C1/16 . . Special structure of the clamp fastening devices
- A63C1/18 . fastened by means of straps
- A63C1/20 . with fastening means on special metal parts
- A63C1/22 . with special foot-plates of the boot
- A63C1/24 . . Elastic plates
- A63C1/26 . . divided into two parts permitting adjustment to the size of the foot
- A63C1/28 . . Pivotaly-mounted plates
- A63C1/30 . with special blades
- A63C1/30B . . [N: removably fastened to the blade holder] [N1106]
- A63C1/30D . . [N: Ice wheels] [N1106]
- A63C1/32 . . Special constructions of the simple blade
- A63C1/34 . . Multi-part blades
- A63C1/36 . . with several blades
- A63C1/38 . of the tubular type

A63C1/40 . manufactured of one piece of material

A63C1/42 . Manufacture of skates

A63C3/00 Accessories for skates

A63C3/02 . Supports for the foot-joint (footwear with foot-supporting parts [A43B7/14](#))

A63C3/04 . Supporting frames or gliders for skaters

A63C3/06 . Supports for use whilst strapping skates on to boots

A63C3/08 . Special spikes for the blades of skates

A63C3/10 . Auxiliary devices for sharpening blades

A63C3/12 . Guards for skate blades

A63C3/14 . Keys for skates

Guide heading: Skis; Accessories for skiing

A63C5/00 Skis or snowboards (sledges with runners, e.g. ski-bobs, [B62B13/00](#) ; runners for sledges [B62B17/02](#) ; runners for carrying wheeled vehicles to facilitate travel on snow or ice [B62B19/00](#)) [C1107]

A63C5/00B . [N: Structure, covering or decoration of the upper ski surface]

A63C5/00C . [N: Appearance of the ski-tip, the rear end or the upper ski-edge]

A63C5/02 . collapsible; divided

A63C5/03 . [N: Mono skis; Snowboards][C1111]

A63C5/03A . . [N: Snow-ski boards with two or more runners or skis connected together by a rider-supporting platform]

A63C5/03B . . [N: Devices for enabling the use of a normal ski as mono-ski, e.g. platforms fixed on the ski for supporting the ski boots side-by-side]

A63C5/035 . with ground engaging rolls or belts [C1107]

A63C5/04 . Structure of the surface thereof [C1107]

A63C5/04A . . [N: Shape thereof when projected on a plane, e.g. sidecut, camber, rocker] [N1202]

A63C5/04A2 . . . [N: asymmetric] [N1202]

A63C5/04B . . [N: with fins or longitudinal protrusions on the running sole] [N1106]

A63C5/04C . . [N: Longitudinal guiding grooves]

A63C5/04D . . [N: Other in-relief running soles (tooth-shaped running sole-plates [A63C7/06](#))]

A63C5/04E . . [N: of the side walls] [N1202]

- A63C5/044 . . of the running sole
- A63C5/048 . . of the edges
- A63C5/048B . . . [N: Complementary or supplementary ski edges]
- A63C5/052 . . of the tips or rear ends
- A63C5/056 . . Materials for the running sole [N0505]

- A63C5/06 . with special devices thereon, e.g. steering devices [C1107]
- A63C5/06C . . [N: Ski-boot sole-scrappers]
- A63C5/06D . . [N: Protection or reinforcement devices for the ski-tip or the ski rear end]
- A63C5/065 . . Anti-crossing devices
- A63C5/07 . . comprising means for adjusting stiffness [C1107]
- A63C5/075 . . Vibration dampers (vibration dampers per se [F16F7/00](#))

- A63C5/08 . motor-driven ([A63C5/035](#) takes precedence; [N: apparatus for towing skis [A63C11/10](#)]) [C1107]
- A63C5/08B . . [N: with rolling or like devices]

- A63C5/11 . combined with sails or the like; [N: Accessories specially adapted for sail-skiing] [C1107]

- A63C5/12 . Making thereof; Selection of particular materials (materials for the running sole [A63C5/056](#)) [C1107]
- A63C5/12A . . [N: Selection of particular materials for damping purposes, e.g. rubber or the like]
- A63C5/12B . . [N: Selection of particular materials for the upper ski surface]
- A63C5/12C . . [N: Structure of the core] [N1202]
- A63C5/12D . . [N: A part for the binding being integrated within the board structure, e.g. plate, rail, insert] [N1202]

- A63C5/16 . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes

A63C7/00 Devices preventing skis from slipping back; Ski-stoppers or ski-brakes

- A63C7/00A . [N: Devices preventing skis from slipping back, actuated by the boot]
- A63C7/02 . Skins; Substitutes for skins
- A63C7/04 . Fastening-devices for skins
- A63C7/06 . Tooth-shaped running sole-plates
- A63C7/08 . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position
- A63C7/10 . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position [N: (not used, see subgroups)]
- A63C7/10C . . [N: Ski-stoppers (not used, see subgroups)]

- A63C7/10C2 . . . [N: actuated by the boot ([A63C7/10C6](#) takes precedence; not used, see subgroups)]
- A63C7/10C2B [N: articulated about one transverse axis]
- A63C7/10C2B2 [N: laterally retractable above the ski surface]
- A63C7/10C2D [N: articulated about at least two transverse axes]
- A63C7/10C2D2 [N: laterally retractable above the ski surface]
- A63C7/10C4 [N: actuated by the ski-binding ([A63C7/10C6](#) takes precedence)]
- A63C7/10C4B [N: laterally retractable above the ski surface]
- A63C7/10C6 [N: articulated about a longitudinal axis]
- A63C7/10C8 [N: for mono-skis or snow-ski boards]
- A63C7/10E . . . [N: Ski-brakes (not used, see subgroups)]
- A63C7/10E4 [N: operated by hand, e.g. using a stick, by leg or by boot]
- A63C7/10E6 [N: operated by other means, e.g. by electric, pneumatic or hydraulic means]
- A63C7/10K . . . [N: Details]

- A63C7/12 . . . Ski crampons preventing lateral slipping [C1107]

A63C9/00 **Ski bindings**

- A63C9/00A . . . [N: Anti-friction devices]
- A63C9/00C . . . [N: Strap closures or latches; Leashes] [C1106]
- A63C9/00D . . . [N: Non-swivel sole plate fixed on the ski]
- A63C9/00E . . . [N: adjustable in length or height]
- A63C9/00F . . . [N: with a climbing wedge] [N1202]
- A63C9/00H . . . [N: Systems preventing accumulation of forces on the binding when the ski is bending] [N1202]
- A63C9/02 . . . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
- A63C9/04 . . . Non-self-releasing long strap bindings
- A63C9/06 . . . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
- A63C9/06B [N: Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers]
- A63C9/08 . . . yieldable or self-releasing in the event of an accident, i.e. safety bindings
- A63C9/08B [N: other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control ([A63C9/088A](#) takes precedence)]
- A63C9/08C [N: Adjustment of the toe or heel holders; Indicators therefor ([adjusting toe-clamps A63C9/22](#))]
- A63C9/08E [N: for both towing and downhill skiing]
- A63C9/081 with swivel sole-plate
- A63C9/082 with swivel heel-plate

- A63C9/083 . . with loosenable cable strap
- A63C9/084 . . with heel hold-downs, e.g. swingable
- A63C9/084A . . . [N: with a single jaw] [N1202]
- A63C9/084A1 [N: the jaw pivoting on the body or base about a transverse axis] [N1202]
- A63C9/084C . . . [N: with a plurality of mobile jaws] [N1202]
- A63C9/084D . . . [N: the body pivoting about a transverse axis] [N1202]
- A63C9/084F . . . [N: the body or base or a jaw pivoting about a vertical axis, i.e. side release] [N1202]
- A63C9/084H . . . [N: Details of the release or step-in mechanism] [N1202]
- A63C9/084M . . . [N: Details of the manual release] [N1202]
- A63C9/084P . . . [N: Structure or making] [N1202]
- A63C9/085 . . with sole hold-downs, e.g. swingable
- A63C9/085A . . . [N: with a plurality of mobile jaws] [C1202]
- A63C9/085A1 [N: pivoting about a transversal axis] [C1202]
- A63C9/085A2 [N: pivoting about a vertical axis, e.g. side release] [C1202]
- A63C9/085A3 [N: pivoting about a longitudinal axis] [N1202]
- A63C9/085B . . . [N: with a mobile body or base or single jaw] [C1202]
- A63C9/085B1 [N: pivoting about a transversal axis] [N1202]
- A63C9/085B2 [N: pivoting about a vertical axis] [N1202]
- A63C9/085C . . . [N: Details of the release mechanism] [N1202]
- A63C9/085C1 [N: using cam or slide surface] [N1202]
- A63C9/085C2 [N: using axis and lever] [N1202]
- A63C9/085C3 [N: using a plurality of biasing elements] [N1202]
- A63C9/085C4 [N: using transverse biasing element] [N1202]
- A63C9/085P . . . [N: Structure or making] [N1202]
- A63C9/086 . . using parts which are fixed on the shoe of the user and are releasable from the ski binding
- A63C9/088 . . with electronically controlled locking devices
- A63C9/088A . . . [N: remotely operated, e.g. by the skier]
- A63C9/10 . . Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece
- A63C9/12 . . Non-self-releasing elastic heel-straps
- A63C9/14 . . Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps
- A63C9/16 . . Non-self-releasing bindings without straps, but with guiding cheeks
- A63C9/18 . . Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding
- A63C9/20 . . Non-self-releasing bindings with special sole edge holders instead of toe-straps
- A63C9/22 . . Arrangements for adjusting the toe-clamps
- A63C9/24 . . Tighteners for ski bindings ([tighteners for self-releasing ski bindings A63C9/08](#))

- A63C9/24B . . [N: forming part of a cable binding]
- A63C10/00** **Snowboard bindings [N1107]**
- A63C10/00A . [N: of the baseless type, i.e. without structural part under the shoe] [N1202]
- A63C10/02 . characterised by details of the shoe holders [N1107]
- A63C10/04 . . Shoe holders for passing over the shoe [N1107]
- A63C10/04B . . . with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts [N1107]
- A63C10/06 . . . Straps therefor, e.g. adjustable straps [N1107]
- A63C10/08 . . Toe or heel stirrups; Clamps [N1107]
- A63C10/10 . . using parts which are fixed on the shoe, e.g. means to facilitate step-in [N1107]
- A63C10/10B . . . on the sides of the shoe [N1107]
- A63C10/10D . . . to the front and back of the shoe [N1107]
- A63C10/12 . Yieldable or self-releasing in the event of an accident, i.e. safety bindings [N1107]
- A63C10/14 . Interfaces, e.g. in the shape of a plate [N1107]
- A63C10/14B . . between two superimposed binding systems, e.g. cradle [N1107]
- A63C10/16 . Systems for adjusting the direction or position of the bindings [N1107]
- A63C10/18 . . about a vertical rotation axis relative to the board [N1107]
- A63C10/20 . . in longitudinal or lateral direction relative to the board [N1107]
- A63C10/22 . . to fit the size of the shoe ([A63C10/06](#) takes precedence) [N1107]
- A63C10/24 . Calf or heel supports, e.g. adjustable high back or heel loops [N1107]
- A63C10/26 . Shock or vibration dampers [N1107]
- A63C10/28 . characterised by auxiliary devices or arrangements on the bindings [N1107]
- A63C10/28B . . Pads as foot or binding supports, e.g. pads made of foam [N1107]
- A63C11/00** **Accessories for skiing or snowboarding (fittings on vehicles for carrying skis B60R 9/12) [C1107]**
- A63C11/00B . [N: Seats formed of skis or of accessories for skis]
- A63C11/00D . [N: Stretchers formed of skis or of accessories for skis]
- A63C11/00E . [N: Signalling devices, e.g. acoustical or visual ([A63C11/22C](#) takes precedence; means for indicating the location of accidentally snow-buried persons [A63B29/02B](#))]
- A63C11/00F . [N: Anti-theft devices for skis or ski equipment ([A63C11/00E](#) takes precedence)]
- A63C11/00F2 . . [N: on the ski or pole]
- A63C11/00F4 . . [N: Portable locking means]
- A63C11/00F6 . . [N: Lockable ski racks, cupboards or the like]

- A63C11/00F6B . . . [N: coin-operated]
- A63C11/00F8 . . [N: for carrying devices]

- A63C11/02 . Devices for stretching, clamping or pressing skis or snowboards for transportation or storage [C1107]
- A63C11/02A . . [N: Devices for binding skis in pairs, e.g. straps, clips ([A63C11/02B](#) takes precedence)]
- A63C11/02A2 . . . [N: with magnets]
- A63C11/02B . . [N: Carrying-devices]
- A63C11/02B2 . . . [N: for skis or ski-sticks]
- A63C11/02B2A [N: on wheels]
- A63C11/02C . . [N: Protectors for skis, e.g. containers on the roof of cars]
- A63C11/02D . . [N: Storage in cupboards or ski-racks, e.g. with clamping devices]

- A63C11/04 . for treating skis or snowboards [C1107]
- A63C11/06 . . Edge-sharpeners
- A63C11/08 . . Apparatus for waxing or dewaxing ([ski waxes C09G3/00](#))

- A63C11/10 . Apparatus for towing skis [N: ([ski-lifts B61B11/00](#))]

- A63C11/12 . Apparatus for hooking the heel part of the boot to the ski

- A63C11/14 . Apparatus for repairing damaged skis or snowboards [C1107]

- A63C11/16 . Special devices on boots for fastening skis thereto ([A63C9/00](#) takes precedence)

- A63C11/18 . Devices for removing snow from skis, snowboards, boots or bindings [C1107]

- A63C11/20 . Snow protectors on skis or snowboards [C1107]

- A63C11/22 . Ski-sticks
- A63C11/22A . . [N: telescopic, e.g. for varying the length or for damping shocks]
- A63C11/22B . . [N: Ski-stick handles or hand-straps]
- A63C11/22B1 . . . [N: associated with timing devices]
- A63C11/22C . . [N: with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons [A63B29/02B](#))]
- A63C11/22E . . [N: Details; Structure] [N1202]
- A63C11/22G . . [N: Accessories] [N1202]
- A63C11/24 . . Rings for ski-sticks

- A63C11/26 . Devices for use in mounting ski-bindings to skis, e.g. jigs; [N: Testing or measuring devices specially adapted therefor]
- A63C11/26A . . [N: Devices for testing or measuring the release force of safety ski bindings]

- A63C13/00** **Snow shoes**

- A63C13/00B . [N: Bindings therefor] [N1106]

- A63C13/00C . [N: Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate] [N1106]
- A63C13/00F . [N: Frames therefor] [N1106]
- A63C13/00S . [N: Shoe support thereof, e.g. plate, movable relative to the frame] [N1106]
- A63C13/00W . [N: Adjustable heel support therefor, e.g. climbing wedge] [N1106]
- A63C13/02 . Snow shoe rings

A63C17/00 Roller skates; Skate-boards

- A63C17/00B . [N: Accessories] [N1202]
- A63C17/00B4 . . [N: Devices used in combination with the skate but not fixed to it, e.g. supporting frames, sail, sticks, auxiliary wheel aid [\[B62D51/06\]](#) Uniaxle walk-type tractors] [N1202]
- A63C17/00B6 . . [N: Covers; Guards] [N1202]
- A63C17/00C . [N: Roller skates used otherwise than standing or sitting on them, e.g. body skates] [N1202]
- A63C17/00D . with a castor wheel, i.e. a swiveling follow-up wheel [N1106]
- A63C17/00F . with auxiliary wheels not contacting the riding surface during steady riding [N1106]
- A63C17/00G . [N: with shock absorption or suspension system] [N1202]
- A63C17/00J . [N: with wheels of different size or type] [N1202]
- A63C17/00L . [N: with inclined wheel, i.e. not perpendicular to the surface it rolls on] [N1202]
- A63C17/00N . [N: with offset wheel, i.e. wheel contact point to surface offset from other associated wheel] [N1202]
- A63C17/00R . [N: with retractable wheel, i.e. movable relative to the chassis out of contact from surface] [N1202]
- A63C17/00S . [N: Roller skates adjustable in length to fit the size of the foot] [N1202]
- A63C17/00U . [N: Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck ([A63C17/01B](#) takes precedence)] [N1202]
- A63C17/01 . Skateboards ([A63C17/02](#) to [A63C17/28](#) take precedence; [N: rolling devices on skis [A63C5/06F](#)]) [N0503] [C1107]
- A63C17/01B . . with steering mechanisms [N1106]
- A63C17/01B2 . . . with a truck, i.e. with steering mechanism comprising an inclined geometrical axis to convert lateral tilting of the board in steering of the wheel axis [N1106]
- A63C17/01B4 . . . with parallelograms, follow up wheels or direct steering action [N1106]
- A63C17/01H . . Wheel arrangements [N1106]

- A63C17/01H2 . . . with wheels arranged in two pairs [N1106]
- A63C17/01H4 . . . with wheels arranged in one track [N1106]
- A63C17/01P . . Production or mounting thereof [N1106]
- A63C17/01R . . [N: Ice skateboards] [N1202]

- A63C17/02 . with wheels arranged in two pairs [N: (A63C17/01 takes precedence)] [C1106]

- A63C17/04 . with wheels arranged otherwise than in two pairs [N: (A63C17/01 takes precedence)] [C1106]

- A63C17/04B . . Roller skis
- A63C17/06 . . single-track type
- A63C17/06B . . . with relative movement of sub-parts on the chassis [N1106]
- A63C17/06B2 with a pivotal frame or cradle around transversal axis for relative movements of the wheels [N1106]
- A63C17/06B4 comprising steered wheels, i.e. wheels supported on a vertical axis [N1106]
- A63C17/06D . . . [N: with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate] [N1106] [C1202]
- A63C17/06F . . . with adjustable position of the foot plate or shoe relative to the chassis [N1106]
- A63C17/06P . . . Production or mounting thereof [N1106]
- A63C17/08 . . . [N: Single-wheel type with single axis] [C1111]

- A63C17/10 . with endless tracks

- A63C17/12 . with driving mechanisms

- A63C17/14 . with brakes, e.g. toe stoppers, freewheel roller clutches
- A63C17/14B . . [N: contacting one or more of the wheels] [N9702]
- A63C17/14B2 . . . with radial movement against the roll surface of the wheel [N1106]
- A63C17/14B4 . . . the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks [N1106]
- A63C17/14C . . [N: contacting the ground] [N9702]
- A63C17/14D . . [N: contacting the ground and one or more of the wheels] [N9702]
- A63C17/14E . . [N: Freewheel roller clutches] [N9702]

- A63C17/16 . for use on specially shaped or arranged runways

- A63C17/18 . convertible into ice or snow-running skates

- A63C17/20 . with fixable wheels permitting the skates to be used for walking

- A63C17/22 . Wheels for roller skates
- A63C17/22B . . [N: Wheel hubs] [N1202]
- A63C17/22D . . N: Wheel mounting, i.e. arrangement connecting wheel and axle mount] [N1202]
- A63C17/24 . . with ball-shaped or spherical running surfaces

- A63C17/26 . with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
- A63C17/26B . . with foot bindings or supports therefor [N1106]

- A63C17/26H . . with handles or hand supports [N1106]
- A63C17/26S . . combined with wings or sails [N1106]
- A63C17/28 . with arrangements for sitting
- A63C19/00** **Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor** ([N: golf courses [A63B69/36T](#)]; water roundabouts [A63G3/00](#) ; construction of surfaces of foundations [E01C](#); roofs [E04B7/00](#); buildings or groups of buildings for sports [E04H3/10](#); swimming or splash baths or pools [E04H4/00](#); coverings for baths [E04H4/06](#))
- A63C19/00A . [N: Boxing rings]
- A63C19/02 . Shaping of the surface of courts according to the necessities of the different games [N: (surface construction [E01C](#))]
- A63C19/04 . Mats or carpets for courts
- A63C19/06 . Apparatus for setting-out or dividing courts
- A63C19/06A . . [N: Slalom gate poles, posts or marking sticks for sport fields]
- A63C19/06B . . [N: Line markings, e.g. tapes; Methods therefor] [C1111]
- A63C19/08 . . Mechanical means for marking-out
- A63C19/10 . Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing (chutes [A63G21/00](#); ski-lifts [B61B11/00](#); making or maintaining surfaces of snow or ice suitable for traffic or sporting purposes [E01H4/00](#); removing snow or ice [E01H5/00](#); production of ice or snow [F25C3/00](#))
- A63C19/12 . Removable protective covers for courts, rinks, or game pitches or the like