

CPC**COOPERATIVE PATENT CLASSIFICATION****A63C**

SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (devices for underwater sports [A63B 31/00](#), [A63B 33/00](#), [B63C 11/00](#); devices for gliding on water, e.g. water skis, [B63B 35/79](#), [B63B 35/81](#), [B63B 35/83](#))

WARNING

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

[A63C 5/025](#) covered by [A63C 5/00](#)
[A63C 5/14](#) covered by [A63C 5/12](#)

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

A63C 1/00

Skates (roller skates or skate boards [A63C 17/00](#))

A63C 1/02

- . rigidly mounted on the sole of the boot

A63C 1/04

- . fastened by means of clamps

A63C 1/06

- .. with sole and heel plates each equipped with clamps

A63C 1/08

- .. with simultaneously-tightened sole and heel clamps

A63C 1/10

- .. tightened by the movement of the foot

A63C 1/12

- .. tightened by lateral swinging or shifting of the blade or of the whole skate

A63C 1/14

- .. tightened by means of springs

A63C 1/16

- .. Special structure of the clamp fastening devices

A63C 1/18

- . fastened by means of straps

A63C 1/20

- . with fastening means on special metal parts

A63C 1/22

- . with special foot-plates of the boot

A63C 1/24

- .. Elastic plates

A63C 1/26

- .. divided into two parts permitting adjustment to the size of the foot

A63C 1/28

- .. Pivotaly-mounted plates

A63C 1/30

- . with special blades

A63C 1/303

- .. { removably fastened to the blade holder }

A63C 1/306

- .. { Ice wheels }

A63C 1/32

- .. Special constructions of the simple blade

A63C 1/34

- .. Multi-part blades

A63C 1/36

- .. with several blades

A63C 1/38

- . of the tubular type

A63C 1/40 . manufactured of one piece of material

A63C 1/42 . Manufacture of skates

A63C 3/00 Accessories for skates

A63C 3/02 . Supports for the foot-joint (footwear with foot-supporting parts [A43B 7/14](#))

A63C 3/04 . Supporting frames or gliders for skaters

A63C 3/06 . Supports for use whilst strapping skates on to boots

A63C 3/08 . Special spikes for the blades of skates

A63C 3/10 . Auxiliary devices for sharpening blades

A63C 3/12 . Guards for skate blades

A63C 3/14 . Keys for skates

Guidance heading: Skis; Accessories for skiing

A63C 5/00 Skis or snowboards (sledges with runners, e.g. ski-bobs, [B62B 13/00](#) ; runners for sledges [B62B 17/02](#) ; runners for carrying wheeled vehicles to facilitate travel on snow or ice [B62B 19/00](#))

A63C 5/003 . { Structure, covering or decoration of the upper ski surface }

A63C 5/006 . { Appearance of the ski-tip, the rear end or the upper ski-edge }

A63C 5/02 . collapsible; divided

A63C 5/03 . { Mono skis; Snowboards }

A63C 5/031 . . { Snow-ski boards with two or more runners or skis connected together by a rider-supporting platform }

A63C 5/033 . . { 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 }

A63C 5/035 . with ground engaging rolls or belts

A63C 5/04 . Structure of the surface thereof

A63C 5/0405 . . { Shape thereof when projected on a plane, e.g. sidecut, camber, rocker }

A63C 5/0411 . . . { asymmetric }

A63C 5/0417 . . { with fins or longitudinal protrusions on the running sole }

A63C 5/0422 . . { Longitudinal guiding grooves }

A63C 5/0428 . . { Other in-relief running soles (tooth-shaped running sole-plates [A63C 7/06](#)) }

A63C 5/0434 . . { of the side walls }

- A63C 5/044 . . of the running sole
- A63C 5/048 . . of the edges
- A63C 5/0485 . . . { Complementary or supplementary ski edges }
- A63C 5/052 . . of the tips or rear ends
- A63C 5/056 . . Materials for the running sole

- A63C 5/06 . with special devices thereon, e.g. steering devices
- A63C 5/061 . . { Ski-boot sole-scrapers }
- A63C 5/062 . . { Protection or reinforcement devices for the ski-tip or the ski rear end }
- A63C 5/065 . . Anti-crossing devices
- A63C 5/07 . . comprising means for adjusting stiffness
- A63C 5/075 . . Vibration dampers (vibration dampers per se [F16F 7/00](#))

- A63C 5/08 . motor-driven ([A63C 5/035](#) takes precedence; { apparatus for towing skis [A63C 11/10](#) })
- A63C 5/085 . . { with rolling or like devices }

- A63C 5/11 . combined with sails or the like; { Accessories specially adapted for sail-skiing }

- A63C 5/12 . Making thereof; Selection of particular materials (materials for the running sole [A63C 5/056](#))
- A63C 5/122 . . { Selection of particular materials for damping purposes, e.g. rubber or the like }
- A63C 5/124 . . { Selection of particular materials for the upper ski surface }
- A63C 5/126 . . { Structure of the core }
- A63C 5/128 . . { A part for the binding being integrated within the board structure, e.g. plate, rail, insert }

- A63C 5/16 . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes

- A63C 7/00** **Devices preventing skis from slipping back; Ski-stoppers or ski-brakes**

- A63C 7/005 . { Devices preventing skis from slipping back, actuated by the boot }

- A63C 7/02 . Skins; Substitutes for skins

- A63C 7/04 . Fastening-devices for skins

- A63C 7/06 . Tooth-shaped running sole-plates

- A63C 7/08 . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position

- A63C 7/10 . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position { (not used, see subgroups) }
- A63C 7/1006 . . { Ski-stoppers (not used, see subgroups) }
- A63C 7/1013 . . . { actuated by the boot ([A63C 7/106](#) takes precedence; not used, see subgroups) }

- A63C 7/102 { articulated about one transverse axis }
- A63C 7/1026 { laterally retractable above the ski surface }
- A63C 7/1033 { articulated about at least two transverse axes }
- A63C 7/104 { laterally retractable above the ski surface }
- A63C 7/1046 . . . { actuated by the ski-binding ([A63C 7/106](#) takes precedence) }
- A63C 7/1053 { laterally retractable above the ski surface }
- A63C 7/106 . . . { articulated about a longitudinal axis }
- A63C 7/1066 . . . { for mono-skis or snow-ski boards }
- A63C 7/1073 . . { Ski-brakes (not used, see subgroups) }
- A63C 7/108 . . . { operated by hand, e.g. using a stick, by leg or by boot }
- A63C 7/1086 . . . { operated by other means, e.g. by electric, pneumatic or hydraulic means }
- A63C 7/1093 . . { Details }

- A63C 7/12 . Ski crampons preventing lateral slipping

A63C 9/00 Ski bindings

- A63C 9/001 . { Anti-friction devices }
- A63C 9/002 . { Strap closures or latches; Leashes }
- A63C 9/003 . { Non-swivel sole plate fixed on the ski }
- A63C 9/005 . { adjustable in length or height }
- A63C 9/006 . { with a climbing wedge }
- A63C 9/007 . { Systems preventing accumulation of forces on the binding when the ski is bending }
- A63C 9/02 . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
- A63C 9/04 . Non-self-releasing long strap bindings
- A63C 9/06 . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
- A63C 9/065 . . { Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers }
- A63C 9/08 . yieldable or self-releasing in the event of an accident, i.e. safety bindings
- A63C 9/0802 . . { other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control ([A63C 9/0885](#) takes precedence) }
- A63C 9/0805 . . { Adjustment of the toe or heel holders; Indicators therefor (adjusting toe-clamps [A63C 9/22](#)) }
- A63C 9/0807 . . { for both towing and downhill skiing }
- A63C 9/081 . . with swivel sole-plate
- A63C 9/082 . . with swivel heel-plate
- A63C 9/083 . . with loosenable cable strap
- A63C 9/084 . . with heel hold-downs, e.g. swingable
- A63C 9/0841 . . . { with a single jaw }

A63C 9/0842	.... { the jaw pivoting on the body or base about a transverse axis }
A63C 9/0843	... { with a plurality of mobile jaws }
A63C 9/0844	... { the body pivoting about a transverse axis }
A63C 9/0845	... { the body or base or a jaw pivoting about a vertical axis, i.e. side release }
A63C 9/0846	... { Details of the release or step-in mechanism }
A63C 9/0847	... { Details of the manual release }
A63C 9/0848	... { Structure or making }
A63C 9/085	.. with sole hold-downs, e.g. swingable
A63C 9/08507	... { with a plurality of mobile jaws }
A63C 9/08514	.... { pivoting about a transversal axis }
A63C 9/08521	.... { pivoting about a vertical axis, e.g. side release }
A63C 9/08528	.... { pivoting about a longitudinal axis }
A63C 9/08535	... { with a mobile body or base or single jaw }
A63C 9/08542	.... { pivoting about a transversal axis }
A63C 9/0855	.... { pivoting about a vertical axis }
A63C 9/08557	... { Details of the release mechanism }
A63C 9/08564	.... { using cam or slide surface }
A63C 9/08571	.... { using axis and lever }
A63C 9/08578	.... { using a plurality of biasing elements }
A63C 9/08585	.... { using transverse biasing element }
A63C 9/08592	... { Structure or making }
A63C 9/086	.. using parts which are fixed on the shoe of the user and are releasable from the ski binding
A63C 9/088	.. with electronically controlled locking devices
A63C 9/0885	... { remotely operated, e.g. by the skier }
A63C 9/10	. Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece
A63C 9/12	. Non-self-releasing elastic heel-straps
A63C 9/14	. Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps
A63C 9/16	. Non-self-releasing bindings without straps, but with guiding cheeks
A63C 9/18	. Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding
A63C 9/20	. Non-self-releasing bindings with special sole edge holders instead of toe-straps
A63C 9/22	. Arrangements for adjusting the toe-clamps
A63C 9/24	. Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/08)
A63C 9/245	.. { forming part of a cable binding }
A63C 10/00	Snowboard bindings

- A63C 10/005 . { of the baseless type, i.e. without structural part under the shoe }
- A63C 10/02 . characterised by details of the shoe holders
- A63C 10/04 . . Shoe holders for passing over the shoe
- A63C 10/045 . . . with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts
- A63C 10/06 . . . Straps therefor, e.g. adjustable straps
- A63C 10/08 . . Toe or heel stirrups; Clamps
- A63C 10/10 . . using parts which are fixed on the shoe, e.g. means to facilitate step-in
- A63C 10/103 . . . on the sides of the shoe
- A63C 10/106 . . . to the front and back of the shoe
- A63C 10/12 . Yieldable or self-releasing in the event of an accident, i.e. safety bindings
- A63C 10/14 . Interfaces, e.g. in the shape of a plate
- A63C 10/145 . . between two superimposed binding systems, e.g. cradle
- A63C 10/16 . Systems for adjusting the direction or position of the bindings
- A63C 10/18 . . about a vertical rotation axis relative to the board
- A63C 10/20 . . in longitudinal or lateral direction relative to the board
- A63C 10/22 . . to fit the size of the shoe ([A63C 10/06](#) takes precedence)
- A63C 10/24 . Calf or heel supports, e.g. adjustable high back or heel loops
- A63C 10/26 . Shock or vibration dampers
- A63C 10/28 . characterised by auxiliary devices or arrangements on the bindings
- A63C 10/285 . . Pads as foot or binding supports, e.g. pads made of foam
- A63C 11/00** **Accessories for skiing or snowboarding** ([fittings on vehicles for carrying skis B60R 9/12](#))
- A63C 11/001 . { Seats formed of skis or of accessories for skis }
- A63C 11/002 . { Stretchers formed of skis or of accessories for skis }
- A63C 11/003 . { Signalling devices, e.g. acoustical or visual ([A63C 11/225](#) takes precedence; means for indicating the location of accidentally snow-buried persons [A63B 29/021](#)) }
- A63C 11/004 . { Anti-theft devices for skis or ski equipment ([A63C 11/003](#) takes precedence) }
- A63C 11/005 . . { on the ski or pole }
- A63C 11/006 . . { Portable locking means }
- A63C 11/007 . . { Lockable ski racks, cupboards or the like }
- A63C 11/008 . . . { coin-operated }
- A63C 11/009 . . { for carrying devices }
- A63C 11/02 . Devices for stretching, clamping or pressing skis or snowboards for transportation or storage

- A63C 11/021 .. { Devices for binding skis in pairs, e.g. straps, clips ([A63C 11/023](#) takes precedence) }
- A63C 11/022 ... { with magnets }
- A63C 11/023 .. { Carrying-devices }
- A63C 11/025 ... { for skis or ski-sticks }
- A63C 11/026 { on wheels }
- A63C 11/027 .. { Protectors for skis, e.g. containers on the roof of cars }
- A63C 11/028 .. { Storage in cupboards or ski-racks, e.g. with clamping devices }

- A63C 11/04 . for treating skis or snowboards
- A63C 11/06 .. Edge-sharpeners
- A63C 11/08 .. Apparatus for waxing or dewaxing ([ski waxes C09G 3/00](#))

- A63C 11/10 . Apparatus for towing skis { ([ski-lifts B61B 11/00](#)) }
- A63C 11/12 . Apparatus for hooking the heel part of the boot to the ski
- A63C 11/14 . Apparatus for repairing damaged skis or snowboards
- A63C 11/16 . Special devices on boots for fastening skis thereto ([A63C 9/00](#) takes precedence)
- A63C 11/18 . Devices for removing snow from skis, snowboards, boots or bindings
- A63C 11/20 . Snow protectors on skis or snowboards

- A63C 11/22 . Ski-sticks
- A63C 11/221 .. { telescopic, e.g. for varying the length or for damping shocks }
- A63C 11/222 .. { Ski-stick handles or hand-straps }
- A63C 11/224 ... { associated with timing devices }
- A63C 11/225 .. { with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons [A63B 29/021](#)) }
- A63C 11/227 .. { Details; Structure }
- A63C 11/228 .. { Accessories }
- A63C 11/24 .. Rings for ski-sticks

- A63C 11/26 . Devices for use in mounting ski-bindings to skis, e.g. jigs; { Testing or measuring devices specially adapted therefor }
- A63C 11/265 .. { Devices for testing or measuring the release force of safety ski bindings }

- A63C 13/00** **Snow shoes**

- A63C 13/001 . { Bindings therefor }
- A63C 13/003 . { Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate }
- A63C 13/005 . { Frames therefor }
- A63C 13/006 . { Shoe support thereof, e.g. plate, movable relative to the frame }

- A63C 13/008 . { Adjustable heel support therefor, e.g. climbing wedge }
- A63C 13/02 . Snow shoe rings
- A63C 17/00 Roller skates; Skate-boards**
- A63C 17/0006 . { Accessories }
- A63C 17/0013 . . { Devices used in combination with the skate but not fixed to it, e.g. supporting frames, sail, sticks, auxiliary wheel aid [\[B62D 51/06\]](#) Uniaxle walk-type tractors }
- A63C 17/002 . . { Covers; Guards }
- A63C 17/0026 . { Roller skates used otherwise than standing or sitting on them, e.g. body skates }
- A63C 17/0033 . with a castor wheel, i.e. a swiveling follow-up wheel
- A63C 17/004 . with auxiliary wheels not contacting the riding surface during steady riding
- A63C 17/0046 . { with shock absorption or suspension system }
- A63C 17/006 . { with wheels of different size or type }
- A63C 17/0066 . { with inclined wheel, i.e. not perpendicular to the surface it rolls on }
- A63C 17/0073 . { with offset wheel, i.e. wheel contact point to surface offset from other associated wheel }
- A63C 17/008 . { with retractable wheel, i.e. movable relative to the chassis out of contact from surface }
- A63C 17/0086 . { Roller skates adjustable in length to fit the size of the foot }
- A63C 17/0093 . { Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck ([A63C 17/011](#) takes precedence) }
- A63C 17/01 . Skateboards ([A63C 17/02](#) to [A63C 17/28](#) take precedence; { rolling devices on skis [A63C 5/035](#) })
- A63C 17/011 . . with steering mechanisms
- A63C 17/012 . . . 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
- A63C 17/013 . . . with parallelograms, follow up wheels or direct steering action
- A63C 17/014 . . Wheel arrangements
- A63C 17/015 . . . with wheels arranged in two pairs
- A63C 17/016 . . . with wheels arranged in one track
- A63C 17/017 . . Production or mounting thereof
- A63C 17/018 . . { Ice skateboards }
- A63C 17/02 . with wheels arranged in two pairs { ([A63C 17/01](#) takes precedence) }
- A63C 17/04 . with wheels arranged otherwise than in two pairs { ([A63C 17/01](#) takes precedence) }

A63C 17/045	..	Roller skis
A63C 17/06	..	single-track type
A63C 17/061	...	with relative movement of sub-parts on the chassis
A63C 17/062	....	with a pivotal frame or cradle around transversal axis for relative movements of the wheels
A63C 17/064	....	comprising steered wheels, i.e. wheels supported on a vertical axis
A63C 17/065	...	{ with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate }
A63C 17/067	...	with adjustable position of the foot plate or shoe relative to the chassis
A63C 17/068	...	Production or mounting thereof
A63C 17/08	...	{ Single-wheel type with single axis }
A63C 17/10	.	with endless tracks
A63C 17/12	.	with driving mechanisms
A63C 17/14	.	with brakes, e.g. toe stoppers, freewheel roller clutches
A63C 17/1409	..	{ contacting one or more of the wheels }
A63C 17/1418	...	with radial movement against the roll surface of the wheel
A63C 17/1427	...	the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks
A63C 17/1436	..	{ contacting the ground }
A63C 17/1445	..	{ contacting the ground and one or more of the wheels }
A63C 17/1454	..	{ Freewheel roller clutches }
A63C 17/16	.	for use on specially shaped or arranged runways
A63C 17/18	.	convertible into ice or snow-running skates
A63C 17/20	.	with fixable wheels permitting the skates to be used for walking
A63C 17/22	.	Wheels for roller skates
A63C 17/223	..	{ Wheel hubs }
A63C 17/226	..	N: Wheel mounting, i.e. arrangement connecting wheel and axle mount]
A63C 17/24	..	with ball-shaped or spherical running surfaces
A63C 17/26	.	with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
A63C 17/262	..	with foot bindings or supports therefor
A63C 17/265	..	with handles or hand supports
A63C 17/267	..	combined with wings or sails
A63C 17/28	.	with arrangements for sitting
A63C 19/00		Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor ({ golf courses A63B 69/3691 }; water roundabouts A63G 3/00 ; construction of surfaces of foundations E01C ; roofs E04B 7/00; buildings or groups of buildings for sports E04H 3/10; swimming or splash baths or pools E04H 4/00; coverings for baths E04H 4/06)

- A63C 19/005 . { **Boxing rings** }
- A63C 19/02 . Shaping of the surface of courts according to the necessities of the different games { (**surface construction** [E01C](#)) }
- A63C 19/04 . Mats or carpets for courts
- A63C 19/06 . Apparatus for setting-out or dividing courts
- A63C 19/062 . . { **Slalom gate poles, posts or marking sticks for sport fields** }
- A63C 19/065 . . { **Line markings, e.g. tapes; Methods therefor** }
- A63C 19/08 . . Mechanical means for marking-out
- A63C 19/10 . Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing (**chutes** [A63G 21/00](#); **ski-lifts** [B61B 11/00](#); **making or maintaining surfaces of snow or ice suitable for traffic or sporting purposes** [E01H 4/00](#); **removing snow or ice** [E01H 5/00](#); **production of ice or snow** [F25C 3/00](#))
- A63C 19/12 . Removable protective covers for courts, rinks, or game pitches or the like
- A63C 2005/00** **Skis or snowboards** (**sledges with runners, e.g. ski-bobs**, [B62B 13/00](#) ; **runners for sledges** [B62B 17/02](#) ; **runners for carrying wheeled vehicles to facilitate travel on snow or ice** [B62B 19/00](#))
- A63C 2005/06 . with special devices thereon, e.g. steering devices
- A63C 2005/063 . . Rolling or like devices
- A63C 2009/00** **Ski bindings**
- A63C 2009/008 . with a binding element sliding along an rail during use or setting
- A63C 2017/00** **Roller skates; Skate-boards**
- A63C 2017/0053 . with foot plate quick release or shoe binding
- A63C 2017/14 . with brakes, e.g. toe stoppers, freewheel roller clutches
- A63C 2017/1463 . . Foot or toe operated
- A63C 2017/1472 . . Hand operated
- A63C 2017/1481 . . Leg or ankle operated
- A63C 2017/149 . . Stick operated
- A63C 2019/00** **Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor** ({ **golf courses** [A63B 69/3691](#) }; **water roundabouts** [A63G 3/00](#) ; **construction of surfaces of foundations** [E01C](#) ; **roofs** [E04B 7/00](#); **buildings or groups of buildings for sports** [E04H 3/10](#); **swimming or splash baths or pools** [E04H 4/00](#); **coverings for baths** [E04H 4/06](#))
- A63C 2019/06 . Apparatus for setting-out or dividing courts

- A63C 2019/065 . . { Line markings, e.g. tapes; Methods therefor }
- A63C 2019/067 . . . Machines for marking
- A63C 2019/08 . . Mechanical means for marking-out
- A63C 2019/085 . . . Fences; Nets; Barriers

A63C 2201/00 Use of skates, skis, roller-skates, snowboards and courts

- A63C 2201/02 . Aggressive riding, e.g. grinding
- A63C 2201/04 . Ski jumping
- A63C 2201/06 . Telemark
- A63C 2201/10 . for handicapped people
- A63C 2201/12 . Tandem riding

Guidance heading: Skates; Accessories for skating

A63C 2203/00 Special features of skates, skis, roller-skates, snowboards and courts

- A63C 2203/02 . enabling transverse riding, i.e. with one runner or skate per foot and direction transverse to the foot
- A63C 2203/06 . enabling conversion into another device
- A63C 2203/065 . . replacing in the binding the shoe by another device
- A63C 2203/08 . Decoration
- A63C 2203/10 . enabling folding, collapsing
- A63C 2203/12 . Electrically powered or heated
- A63C 2203/14 . Lighting means
- A63C 2203/16 . Inflatable
- A63C 2203/18 . Measuring a physical parameter, e.g. speed, distance
- A63C 2203/20 . Shock or vibration absorbing
- A63C 2203/22 . Radio waves emitting or receiving, e.g. remote control, RFID
- A63C 2203/24 . Processing or storing data, e.g. with electronic chip
- A63C 2203/40 . Runner or deck of boards articulated between both feet
- A63C 2203/42 . Details of chassis of ice or roller skates, of decks of skateboards
- A63C 2203/44 . Storage or transportation means for ice or roller skates

- [A63C 2203/46](#) . Skateboards or boards for snow having superimposed decks
- [A63C 2203/48](#) . Roller or ice skates adjustable in width
- [A63C 2203/50](#) . Skis, skates or boards with shoe-like cradles comprising additional leg support
- [A63C 2203/52](#) . Direct actuation of steering of roller skate or skateboards, e.g. by a foot plate
- [A63C 2203/54](#) . Snowboard or ski binding or interface allowing pivoting motion during riding