

Symbol	Typ	Titel
A	Sektion	HUMAN NECESSITIES
A01	Untersektion	AGRICULTURE
A01	Klasse	AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING
A01B	Unterklasse	SOIL WORKING IN AGRICULTURE OR FORESTRY; PARTS, DETAILS, OR ACCESSORIES OF AGRICULTURAL MACHINES OR IMPLEMENTS, IN GENERAL (making or covering furrows or holes for sowing, planting or manuring A01C 5/00; machines for harvesting root crops A01D; mowers convertible to soil working apparatus or capable of soil working A01D 42/04; mowers combined with soil working implements A01D 43/12; soil working for engineering purposes E01 , E02 , E21)
A01B 1/00	Hauptgruppe	Hand tools (edge trimmers for lawns A01G 3/06)
A01B 1/02	1-Punkt Untergruppe	. Spades; Shovels
A01B 1/04	2-Punkt Untergruppe	. . with teeth
A01B 1/06	1-Punkt Untergruppe	. Hoes; Hand cultivators
A01B 1/08	2-Punkt Untergruppe	. . with a single blade
A01B 1/10	2-Punkt Untergruppe	. . with two or more blades
A01B 1/12	2-Punkt Untergruppe	. . with blades provided with teeth
A01B 1/14	2-Punkt Untergruppe	. . with teeth only
A01B 1/16	1-Punkt Untergruppe	. Tools for uprooting weeds
A01B 1/18	2-Punkt Untergruppe	. . Tong-like tools
A01B 1/20	1-Punkt Untergruppe	. Combinations of different kinds of hand tools
A01B 1/22	1-Punkt Untergruppe	. Attaching the blades or the like to handles (handles for tools, or their attachment, in general B25G); Interchangeable or adjustable blades
A01B 1/24	1-Punkt Untergruppe	. for treating meadows or lawns [2]
		<u>Ploughs</u>
A01B 3/00	Hauptgruppe	Ploughs with fixed plough-shares
A01B 3/02	1-Punkt Untergruppe	. Man-driven ploughs
A01B 3/04	1-Punkt Untergruppe	. Animal-drawn ploughs
A01B 3/06	2-Punkt Untergruppe	. . without alternating possibility, i.e. incapable of making an adjacent furrow on return journey
A01B 3/08	3-Punkt Untergruppe	. . . Swing ploughs
A01B 3/10	3-Punkt Untergruppe	. . . Trussed-beam ploughs; Single-wheel ploughs
A01B 3/12	3-Punkt Untergruppe	. . . Two-wheel beam ploughs
A01B 3/14	3-Punkt Untergruppe	. . . Frame ploughs
A01B 3/16	2-Punkt Untergruppe	. . Alternating ploughs, i.e. capable of making an adjacent furrow on return journey
A01B 3/18	3-Punkt Untergruppe	. . . Turn-wrest ploughs
A01B 3/20	3-Punkt Untergruppe	. . . Balance ploughs

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A01B 3/22	3-Punkt Untergruppe	. . . with parallel plough units used alternately
A01B 3/24	1-Punkt Untergruppe	. Tractor-drawn ploughs (A01B 3/04 takes precedence)
A01B 3/26	2-Punkt Untergruppe	. . without alternating possibility
A01B 3/28	2-Punkt Untergruppe	. . Alternating ploughs
A01B 3/30	3-Punkt Untergruppe	. . . Turn-wrest ploughs
A01B 3/32	3-Punkt Untergruppe	. . . Balance ploughs
A01B 3/34	3-Punkt Untergruppe	. . . with parallel plough units used alternately
A01B 3/36	1-Punkt Untergruppe	. Ploughs mounted on tractors
A01B 3/38	2-Punkt Untergruppe	. . without alternating possibility
A01B 3/40	2-Punkt Untergruppe	. . Alternating ploughs
A01B 3/42	3-Punkt Untergruppe	. . . Turn-wrest ploughs
A01B 3/421	4-Punkt Untergruppe with a headstock frame made in one piece [2]
A01B 3/426	4-Punkt Untergruppe with a headstock frame made of two or more parts [2]
A01B 3/44	3-Punkt Untergruppe	. . . with parallel plough units used alternately
A01B 3/46	1-Punkt Untergruppe	. Ploughs supported partly by tractor and partly by their own wheels
A01B 3/50	1-Punkt Untergruppe	. Self-propelled ploughs
A01B 3/52	2-Punkt Untergruppe	. . with three or more wheels, or endless tracks
A01B 3/54	3-Punkt Untergruppe	. . . without alternating possibility
A01B 3/56	3-Punkt Untergruppe	. . . Alternating ploughs
A01B 3/58	2-Punkt Untergruppe	. . with two wheels
A01B 3/60	3-Punkt Untergruppe	. . . Alternating ploughs
A01B 3/62	4-Punkt Untergruppe Balance ploughs
A01B 3/64	1-Punkt Untergruppe	. Cable ploughs; Indicating or signalling devices for cable plough systems
A01B 3/66	2-Punkt Untergruppe	. . with motor-driven winding apparatus mounted on the plough
A01B 3/68	2-Punkt Untergruppe	. . Cable systems with one or two engines
A01B 3/70	3-Punkt Untergruppe	. . . Systems with one engine for working uphill
A01B 3/72	2-Punkt Untergruppe	. . Means for anchoring the cables
A01B 3/74	1-Punkt Untergruppe	. Use of electric power for propelling ploughs (electric current collectors B60L 5/00)
A01B 5/00	Hauptgruppe	Ploughs with rolling non-driven tools, e.g. discs (with rotary driven tools A01B 9/00)
A01B 5/02	1-Punkt Untergruppe	. drawn by animals
A01B 5/04	1-Punkt Untergruppe	. drawn by tractors
A01B 5/06	2-Punkt Untergruppe	. . without alternating possibility

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A01B 5/08	2-Punkt Untergruppe	. . Alternating ploughs
A01B 5/10	1-Punkt Untergruppe	. mounted or partly-mounted on tractors
A01B 5/12	2-Punkt Untergruppe	. . without alternating possibility
A01B 5/14	2-Punkt Untergruppe	. . Alternating ploughs
A01B 5/16	1-Punkt Untergruppe	. Self-propelled disc or like ploughs
A01B 7/00	Hauptgruppe	Disc-like soil-working implements usable either as ploughs or as harrows, or the like
A01B 9/00	Hauptgruppe	Ploughs with rotary driven tools (tilling implements with rotary driven tools A01B 33/00)
A01B 11/00	Hauptgruppe	Ploughs with oscillating, digging or piercing tools
A01B 13/00	Hauptgruppe	Ploughs or like machines for special purposes (for drainage E02B 11/02)
A01B 13/02	1-Punkt Untergruppe	. for making or working ridges, e.g. with symmetrically arranged mouldboards
A01B 13/04	1-Punkt Untergruppe	. for working in vineyards, orchards, or the like
A01B 13/06	2-Punkt Untergruppe	. . Arrangements for preventing damage to the vines, or the like
A01B 13/08	1-Punkt Untergruppe	. for working subsoil
A01B 13/10	2-Punkt Untergruppe	. . Special implements for lifting subsoil layers
A01B 13/12	3-Punkt Untergruppe	. . . Means for distributing the layers on the surface
A01B 13/14	1-Punkt Untergruppe	. for working soil in two or more layers
A01B 13/16	1-Punkt Untergruppe	. Machines for combating erosion, e.g. basin-diggers, furrow-dammers
A01B 15/00	Hauptgruppe	Elements, tools, or details of ploughs
A01B 15/02	1-Punkt Untergruppe	. Plough blades; Fixing the blades
A01B 15/04	2-Punkt Untergruppe	. . Shares
A01B 15/06	3-Punkt Untergruppe	. . . Interchangeable or adjustable shares
A01B 15/08	2-Punkt Untergruppe	. . Mouldboards
A01B 15/10	3-Punkt Untergruppe	. . . Interchangeable or adjustable mouldboards
A01B 15/12	1-Punkt Untergruppe	. Beams; Handles (handles for tools or their attachment in general B25G)
A01B 15/14	1-Punkt Untergruppe	. Frames (means or arrangements to facilitate transportation A01B 73/00) [4]
A01B 15/16	1-Punkt Untergruppe	. Discs (bearings therefor A01B 71/04); Scrapers for cleaning discs; Sharpening attachments (sharpening in general B24)
A01B 15/18	1-Punkt Untergruppe	. Coulters
A01B 15/20	1-Punkt Untergruppe	. Special adjusting means for tools of ploughs drawn by, or mounted on tractors working on hillsides or slopes
A01B 17/00	Hauptgruppe	Ploughs with special additional arrangements, e.g. means for putting manure under the soil, clod-crushers (A01B 49/00 takes precedence; ploughs for working subsoil A01B 13/08) [2]
		<u>Harrows</u>
A01B 19/00	Hauptgruppe	Harrows with non-rotating tools
A01B 19/02	1-Punkt Untergruppe	. with tools rigidly or elastically attached to a tool-frame
A01B 19/04	2-Punkt Untergruppe	. . with two or more tool-frames
A01B 19/06	2-Punkt Untergruppe	. . with tools or tool-frames moved to-and-fro mechanically

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A01B 19/08	1-Punkt Untergruppe	. with link network supporting tooth-like tools
A01B 19/10	1-Punkt Untergruppe	. Lifting or cleaning apparatus
A01B 21/00	Hauptgruppe	Harrows with rotary non-driven tools (tilling implements with rotary driven tools A01B 33/00)
A01B 21/02	1-Punkt Untergruppe	. with tooth-like tools
A01B 21/04	2-Punkt Untergruppe	. . on horizontally-arranged axles
A01B 21/06	2-Punkt Untergruppe	. . on vertically-arranged axles
A01B 21/08	1-Punkt Untergruppe	. with disc-like tools
A01B 23/00	Hauptgruppe	Elements, tools, or details of harrows
A01B 23/02	1-Punkt Untergruppe	. Teeth; Fixing the teeth
A01B 23/04	1-Punkt Untergruppe	. Frames (means or arrangements to facilitate transportation A01B 73/00); Drawing-arrangements [4]
A01B 23/06	1-Punkt Untergruppe	. Discs (A01B 15/16 takes precedence; bearings therefor A01B 71/04); Scrapers for cleaning discs; Sharpening attachments (sharpening in general B24) [2]
A01B 25/00	Hauptgruppe	Harrows with special additional arrangements, e.g. means for distributing fertilisers; Harrows for special purposes (A01B 39/00 takes precedence) <u>Other machines for working soil</u>
A01B 27/00	Hauptgruppe	Clod-crushers
A01B 29/00	Hauptgruppe	Rollers
A01B 29/02	1-Punkt Untergruppe	. with smooth surface
A01B 29/04	1-Punkt Untergruppe	. with non-smooth surface formed of rotatably- mounted rings or discs or with projections or ribs on the roller body; Land packers
A01B 29/06	1-Punkt Untergruppe	. with special additional arrangements
A01B 31/00	Hauptgruppe	Drags
A01B 33/00	Hauptgruppe	Tilling implements with rotary driven tools
A01B 33/02	1-Punkt Untergruppe	. with tools on horizontal shaft transverse to direction of travel
A01B 33/04	1-Punkt Untergruppe	. with tools on horizontal shaft parallel to direction of travel
A01B 33/06	1-Punkt Untergruppe	. with tools on vertical or steeply-inclined shaft
A01B 33/08	1-Punkt Untergruppe	. Tools; Details, e.g. adaptations of transmissions or gearings
A01B 33/10	2-Punkt Untergruppe	. . Structural or functional features of the tools
A01B 33/12	2-Punkt Untergruppe	. . Arrangement of the tools; Screening of the tools
A01B 33/14	2-Punkt Untergruppe	. . Attaching the tools to the rotating shaft, e.g. resiliently-attached tools
A01B 33/16	1-Punkt Untergruppe	. with special additional arrangements (A01B 49/00 takes precedence; for sowing or fertilising A01B 49/06) [2]
A01B 35/00	Hauptgruppe	Other machines for working soil (A01B 37/00 , A01B 39/00 , A01B 77/00 take precedence)
A01B 35/02	1-Punkt Untergruppe	. with non-rotating tools
A01B 35/04	2-Punkt Untergruppe	. . drawn by animal or tractor
A01B 35/06	3-Punkt Untergruppe	. . . with spring tools
A01B 35/08	3-Punkt Untergruppe	. . . with rigid tools

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A01B 35/10	2-Punkt Untergruppe	. . mounted on tractors
A01B 35/12	3-Punkt Untergruppe	. . . with spring tools
A01B 35/14	3-Punkt Untergruppe	. . . with rigid tools
A01B 35/16	1-Punkt Untergruppe	. with rotating or circulating non-propelled tools
A01B 35/18	1-Punkt Untergruppe	. with both rotating and non-rotating tools
A01B 35/20	1-Punkt Untergruppe	. Tools; Details
A01B 35/22	2-Punkt Untergruppe	. . Non-rotating tools; Mounting non-rotating tools
A01B 35/24	3-Punkt Untergruppe	. . . Spring tools
A01B 35/26	3-Punkt Untergruppe	. . . Rigid tools
A01B 35/28	2-Punkt Untergruppe	. . Rotating tools; Mounting rotating tools
A01B 35/30	2-Punkt Untergruppe	. . Undercarriages (A01B 23/04 takes precedence) [2]
A01B 35/32	1-Punkt Untergruppe	. with special additional arrangements
A01B 37/00	Hauptgruppe	Devices for loosening soil compacted by wheels or the like
A01B 39/00	Hauptgruppe	Other machines specially adapted for working soil on which crops are growing
A01B 39/02	1-Punkt Untergruppe	. with non-rotating tools
A01B 39/04	2-Punkt Untergruppe	. . drawn by animal or tractor
A01B 39/06	2-Punkt Untergruppe	. . Self-propelled machines
A01B 39/08	1-Punkt Untergruppe	. with rotating tools
A01B 39/10	1-Punkt Untergruppe	. with oscillating tools
A01B 39/12	1-Punkt Untergruppe	. for special purposes
A01B 39/14	2-Punkt Untergruppe	. . for working ridges
A01B 39/16	2-Punkt Untergruppe	. . for working in vineyards, orchards, or the like
A01B 39/18	2-Punkt Untergruppe	. . for weeding
A01B 39/19	3-Punkt Untergruppe	. . . Rod weeders, i.e. weeder with rotary rods propelled beneath the soil surface
A01B 39/20	1-Punkt Untergruppe	. Tools; Details
A01B 39/22	2-Punkt Untergruppe	. . Tools; Mounting tools
A01B 39/24	2-Punkt Untergruppe	. . Undercarriages (A01B 23/04 takes precedence) [2]
A01B 39/26	2-Punkt Untergruppe	. . Arrangements for protecting plants
A01B 39/28	1-Punkt Untergruppe	. with special additional arrangements (A01B 49/00 takes precedence) [2]
A01B 41/00	Hauptgruppe	Thinning machines
A01B 41/02	1-Punkt Untergruppe	. with oscillating tools
A01B 41/04	1-Punkt Untergruppe	. with rotating tools
A01B 41/06	1-Punkt Untergruppe	. with electric, e.g. photo-electric control of thinning operations

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A01B 43/00	Hauptgruppe	Gatherers for removing stones, undesirable roots or the like from the soil, e.g. tractor-drawn rakes [4]
A01B 45/00	Hauptgruppe	Machines for treating meadows or lawns
A01B 45/02	1-Punkt Untergruppe	. for aerating
A01B 45/04	1-Punkt Untergruppe	. for cutting sods or turves
A01B 47/00	Hauptgruppe	Soil-working with electric potential applied between tools and soil
A01B 49/00	Hauptgruppe	Combined machines (auxiliary devices attached to machines of a different kind, e.g. harrows attached to ploughs, see the relevant groups for the machines)
A01B 49/02	1-Punkt Untergruppe	. with two or more soil-working tools of different kind
A01B 49/04	1-Punkt Untergruppe	. Combinations of soil-working tools with non-soil-working tools, e.g. planting tools
A01B 49/06	2-Punkt Untergruppe	. . for sowing or fertilising
		<u>Parts, details or accessories of agricultural machines or implements, in general (seat constructions A47C; wheels B60B; shelters for drivers B60); seats specially adapted for vehicles, arrangement or mounting of seats in vehicles B60N 2/00; wheel scrapers B60S 1/68) [3]</u>
A01B 51/00	Hauptgruppe	Undercarriages specially adapted for mounting-on various kinds of agricultural tools or apparatus (general vehicle aspects, see the relevant subclass of class B60 or B62)
A01B 51/02	1-Punkt Untergruppe	. propelled by a motor
A01B 51/04	1-Punkt Untergruppe	. drawn by animal or tractor
A01B 59/00	Hauptgruppe	Devices specially adapted for connection between animals or tractors and agricultural machines or implements (A01B 63/00 takes precedence; vehicle connections in general B60D; draught assemblies for animal drawn vehicles, in general B62C 5/00) [3]
A01B 59/02	1-Punkt Untergruppe	. for animal-drawn machines
A01B 59/04	1-Punkt Untergruppe	. for machines pulled or pushed by a tractor
A01B 59/041	2-Punkt Untergruppe	. . preventing or limiting side-play of implements (preventing overstrain A01B 61/00) [2]
A01B 59/042	2-Punkt Untergruppe	. . having pulling means arranged on the rear part of the tractor
A01B 59/043	3-Punkt Untergruppe	. . . supported at three points, e.g. by quick-release couplings (A01B 59/06 takes precedence)
A01B 59/044	2-Punkt Untergruppe	. . having pulling means arranged on the middle part of the tractor
A01B 59/046	2-Punkt Untergruppe	. . having pulling or pushing means arranged on the side of the tractor
A01B 59/048	2-Punkt Untergruppe	. . having pulling or pushing means arranged on the front part of the tractor
A01B 59/06	1-Punkt Untergruppe	. for machines mounted on tractors
A01B 61/00	Hauptgruppe	Devices for, or parts of, agricultural machines or implements for preventing overstrain (preventing overstrain in vehicle connections, in general B60D; preventing overstrain in couplings per se F16D) [3]
A01B 61/02	1-Punkt Untergruppe	. of the coupling devices between tractor and machine
A01B 61/04	1-Punkt Untergruppe	. of the connection between tools and carrier beam or frame
A01B 63/00	Hauptgruppe	Lifting or adjusting devices or arrangements for agricultural machines or implements (lifting mechanisms for the cutter-bar of a mower A01D 34/24; adjusting devices for the cutter-bar of a mower A01D 34/28; constructional features of lifting devices per se B66F) [3]
A01B 63/02	1-Punkt Untergruppe	. for implements mounted on tractors
A01B 63/04	2-Punkt Untergruppe	. . Hand devices; Hand devices with mechanical accumulators, e.g. springs
A01B 63/06	2-Punkt Untergruppe	. . operated mechanically by tractor motor

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A01B 63/08	2-Punkt Untergruppe	. . . operated by the movement of the tractor
A01B 63/10	2-Punkt Untergruppe	. . . operated by hydraulic or pneumatic means
A01B 63/102	3-Punkt Untergruppe	. . . characterised by the location of the mounting on the tractor, e.g. on the rear part
A01B 63/104	4-Punkt Untergruppe on the middle part, i.e. between front and rear wheels
A01B 63/106	4-Punkt Untergruppe on the side
A01B 63/108	4-Punkt Untergruppe on the front part
A01B 63/11	3-Punkt Untergruppe	. . . for controlling weight transfer between implements and tractor wheels [2]
A01B 63/111	3-Punkt Untergruppe	. . . regulating working depth of implements
A01B 63/112	4-Punkt Untergruppe to control draught load, i.e. tractive force [2]
A01B 63/114	4-Punkt Untergruppe to achieve a constant working depth [2]
A01B 63/118	3-Punkt Untergruppe	. . . Mounting implements on power-lift linkages (A01B 59/043 takes precedence; preventing or limiting side-play of implements A01B 59/041; preventing overstrain A01B 61/00) [2]
A01B 63/12	2-Punkt Untergruppe	. . . operated by an electric motor
A01B 63/14	1-Punkt Untergruppe	. for implements drawn by animals or tractors
A01B 63/16	2-Punkt Untergruppe	. . with wheels adjustable relatively to the frame
A01B 63/18	3-Punkt Untergruppe	. . . with clutch between Z-type axle and wheel
A01B 63/20	3-Punkt Untergruppe	. . . with gear and rack
A01B 63/22	3-Punkt Untergruppe	. . . operated by hydraulic or pneumatic means
A01B 63/24	2-Punkt Untergruppe	. . Tools or tool-holders adjustable relatively to the frame
A01B 63/26	3-Punkt Untergruppe	. . . by man-power
A01B 63/28	3-Punkt Untergruppe	. . . operated by the machine or implement
A01B 63/30	3-Punkt Untergruppe	. . . operated by motor power through a mechanical transmission
A01B 63/32	3-Punkt Untergruppe	. . . operated by hydraulic or pneumatic means
A01B 67/00	Hauptgruppe	Devices for controlling the tractor motor by resistance of tools (preventing overstrain A01B 61/00)
A01B 69/00	Hauptgruppe	Steering of agricultural machines or implements; Guiding agricultural machines or implements on a desired track [3]
A01B 69/02	1-Punkt Untergruppe	. Ridge-marking or like devices; Checkrow wires; Accessories therefor
A01B 69/04	1-Punkt Untergruppe	. Special adaptations of automatic tractor steering, e.g. electric system for contour ploughing
A01B 69/06	1-Punkt Untergruppe	. Lateral steering of machines by an additional operator
A01B 69/08	1-Punkt Untergruppe	. Lateral steering of machines derived from the lateral movement of tractor
A01B 71/00	Hauptgruppe	Construction or arrangement of setting or adjusting mechanisms, of implement or tool drive or of power take-off; Means for protecting parts against dust, or the like; Adapting machine elements to or for agricultural purposes
A01B 71/02	1-Punkt Untergruppe	. Setting or adjusting mechanisms

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A01B 71/04	1-Punkt Untergruppe	. Bearings of rotating parts, e.g. for soil-working discs (bearings in general F16C)
A01B 71/06	1-Punkt Untergruppe	. Special adaptations of coupling means between power take-off and transmission shaft to the implement or machine (couplings for transmitting rotation F16D)
A01B 71/08	1-Punkt Untergruppe	. Means for protecting against dust or the like, or for cleaning agricultural implements (A01B 15/16 , A01B 19/10 , A01B 23/06 take precedence; screening of rotary driven tilling tools A01B 33/12; screening of rotary parts in general F16P 1/00) [2]
A01B 73/00	Hauptgruppe	Means or arrangements to facilitate transportation of agricultural machines or implements, e.g. folding frames to reduce overall width (arrangements of lifting devices for soil working implements A01B 63/00; vehicles adapted for load transportation or to transport, to carry or to comprise special loads or objects B60P; motor vehicles, trailers B62D) [4]
A01B 73/02	1-Punkt Untergruppe	. Folding frames [4]
A01B 73/04	2-Punkt Untergruppe	. . foldable about a horizontal axis [4]
A01B 73/06	2-Punkt Untergruppe	. . foldable about a vertical axis [4]
A01B 75/00	Hauptgruppe	Carriers for supporting persons when working in the field, e.g. while thinning beet
A01B 77/00	Hauptgruppe	Machines for lifting and treating soil (biocides, pest repellants or attractants, plant growth regulators A01N 25/00 to A01N 65/00; fertilisers C05; soil-conditioning or soil-stabilising materials C09K 17/00)
A01B 79/00	Hauptgruppe	Methods for working soil (essentially requiring the use of particular machines, see the relevant groups for the machines)
A01B 79/02	1-Punkt Untergruppe	. combined with other agricultural processing, e.g. fertilising, planting