

Symbol	Typ	Titel
<b>B</b>	<b>Sektion</b>	<b>PERFORMING OPERATIONS; TRANSPORTING</b>
<b>B63</b>	<b>Klasse</b>	<b>SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT</b>
<b>B63H</b>	<b>Unterkategorie</b>	<b>MARINE PROPULSION OR STEERING (propulsion of air-cushion vehicles B60V 1/14; peculiar to submarines, other than nuclear propulsion, B63G; peculiar to torpedoes F42B 19/00)</b>
<b>B63H 1/00</b>	<b>Hauptgruppe</b>	<b>Propulsive elements directly acting on water (jet propulsion B63H 11/00; attachment of propellers on shafts B63H 23/34) [1, 2006.01]</b>
B63H 1/02	1-Punkt Untergruppe	. of rotary type (endless-track type B63H 1/34) [1, 2006.01]
B63H 1/04	2-Punkt Untergruppe	... with rotation axis substantially at right angles to propulsive direction, e.g. paddle wheels [1, 2006.01]
B63H 1/06	3-Punkt Untergruppe	... with adjustable vanes or blades [1, 2006.01]
B63H 1/08	4-Punkt Untergruppe	.... with cyclic adjustment [1, 2006.01]
B63H 1/10	5-Punkt Untergruppe	..... with blades extending axially from a disc-shaped rotary body [1, 2006.01]
B63H 1/12	2-Punkt Untergruppe	... with rotation axis substantially in propulsive direction [1, 2006.01]
B63H 1/14	3-Punkt Untergruppe	... Propellers (pitch changing B63H 3/00) [1, 2006.01]
B63H 1/15	4-Punkt Untergruppe	.... having vibration damping means (anti-vibration mounting of propulsion plant B63H 21/30; means for damping vibration in general F16F) [4, 2006.01]
B63H 1/16	4-Punkt Untergruppe	.... having a shrouding ring attached to blades [1, 2006.01]
B63H 1/18	4-Punkt Untergruppe	.... with means for diminishing cavitation, e.g. supercavitation [1, 2006.01]
B63H 1/20	4-Punkt Untergruppe	.... Hubs; Blade connections [1, 2006.01]
B63H 1/22	5-Punkt Untergruppe	.... the blades being foldable [1, 2006.01]
B63H 1/24	6-Punkt Untergruppe	..... automatically foldable or unfoldable [1, 2006.01]
B63H 1/26	4-Punkt Untergruppe	.... Blades [1, 2006.01]
B63H 1/28	4-Punkt Untergruppe	.... Other means for improving propeller efficiency (water-guiding elements formed by shape of hull B63H 5/00) [1, 2006.01]
B63H 1/30	1-Punkt Untergruppe	. of non-rotary type [1, 2006.01]
B63H 1/32	2-Punkt Untergruppe	.. Flaps, pistons, or the like, reciprocating in propulsive direction [1, 2006.01]
B63H 1/34	2-Punkt Untergruppe	.. of endless-track type [1, 2006.01]
B63H 1/36	2-Punkt Untergruppe	.. Swinging flaps, e.g. fishtail type [1, 4, 2006.01]
B63H 1/37	2-Punkt Untergruppe	.. Moving-wave propellers, i.e. wherein the propelling means comprise a flexible undulating structure [4, 2006.01]
B63H 1/38	1-Punkt Untergruppe	. characterised solely by flotation properties, e.g. drums [1, 2006.01]
<b>B63H 3/00</b>	<b>Hauptgruppe</b>	<b>Propeller-blade pitch changing [1, 2006.01]</b>
B63H 3/02	1-Punkt Untergruppe	. actuated by control element coaxial with propeller shaft, e.g. the control element being rotary [1, 2006.01]
B63H 3/04	2-Punkt Untergruppe	.. the control element being reciprocatable [1, 2006.01]
B63H 3/06	1-Punkt Untergruppe	. characterised by use of non-mechanical actuating means, e.g. electrical [1, 2006.01]

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B63H 3/08	2-Punkt Untergruppe	... fluid [1, 2006.01]
B63H 3/10	1-Punkt Untergruppe	. characterised by having pitch control conjoint with propulsion-plant control [1, 2006.01]
B63H 3/12	1-Punkt Untergruppe	. the pitch being adjustable only when propeller is stationary [1, 2006.01]
<b>B63H 5/00</b>	<b>Hauptgruppe</b>	<b>Arrangements on vessels of propulsion elements directly acting on water [1, 2006.01]</b>
B63H 5/02	1-Punkt Untergruppe	. of paddle wheels, e.g. of stern wheels [1, 2006.01]
B63H 5/03	2-Punkt Untergruppe	... movably mounted with respect to the hull, e.g. having means to reposition paddle wheel assembly, or to retract paddle or to change paddle attitude [4, 2006.01]
B63H 5/04	2-Punkt Untergruppe	... with stationary water-guiding elements [1, 2006.01]
B63H 5/07	1-Punkt Untergruppe	. of propellers (forming part of outboard propulsion units B63H 20/00) [6, 2006.01]
B63H 5/08	2-Punkt Untergruppe	... of more than one propeller [1, 2006.01]
B63H 5/10	3-Punkt Untergruppe	... of coaxial type, e.g. of counter-rotative type [1, 2006.01]
B63H 5/125	2-Punkt Untergruppe	... movably mounted with respect to hull, e.g. adjustable in direction (movably mounted for steering purposes only B63H 25/42) [6, 2006.01]
B63H 5/14	2-Punkt Untergruppe	... characterised by being mounted in non-rotating ducts or rings, e.g. adjustable for steering purposes (shrouding ring attached to blades B63H 1/16; jet propulsion B63H 11/00) [1, 2006.01]
B63H 5/15	3-Punkt Untergruppe	... Nozzles, e.g. Kort-type [4, 2006.01]
B63H 5/16	2-Punkt Untergruppe	... characterised by being mounted in recesses; with stationary water-guiding elements; Means to prevent fouling of the propeller, e.g. guards, cages or screens (anti-fouling paints C09D 5/16) [1, 2006.01]
B63H 5/18	2-Punkt Untergruppe	... of emergency propellers, e.g. arranged at the side of the vessel [1, 2006.01]
B63H 5/20	3-Punkt Untergruppe	... movable from a working position to a non-working position [4, 2006.01]
<b>B63H 7/00</b>	<b>Hauptgruppe</b>	<b>Arrangements of propulsive devices directly acting on air (jet propulsion B63H 11/00) [1, 2006.01]</b>
B63H 7/02	1-Punkt Untergruppe	. using propellers (air-screws of aircraft type B64C) [1, 2006.01]
<b>B63H 9/00</b>	<b>Hauptgruppe</b>	<b>Propulsive devices directly acted on by wind; Arrangements thereof (air-driven propellers driving underwater propulsive elements B63H 13/00) [1, 2006.01]</b>
B63H 9/02	1-Punkt Untergruppe	. using Magnus effect [1, 2006.01]
B63H 9/04	1-Punkt Untergruppe	. using sails or like wind-catching surfaces (sailing sledges or ice boats B62B 15/00) [1, 2006.01]
B63H 9/06	2-Punkt Untergruppe	... Construction or types of sails; Arrangements thereof on vessels [1, 2006.01]
B63H 9/08	2-Punkt Untergruppe	... Connections of sails to masts, spars, or the like [1, 2006.01]
B63H 9/10	3-Punkt Untergruppe	... Spars; Running rigging, e.g. reefing equipment (staying of masts B63B 15/02) [1, 2006.01]
<b>B63H 11/00</b>	<b>Hauptgruppe</b>	<b>Effecting propulsion by jets, i.e. reaction principle (steering by jet action B63H 25/46; power plant per se, see the relevant classes) [1, 2006.01]</b>
B63H 11/01	1-Punkt Untergruppe	. having means to prevent foreign material from clogging fluid passageway [4, 2006.01]
B63H 11/02	1-Punkt Untergruppe	. the propulsive medium being ambient water [1, 2006.01]
B63H 11/04	2-Punkt Untergruppe	... by means of pumps [1, 2006.01]
B63H 11/06	3-Punkt Untergruppe	... of reciprocating type [1, 2006.01]
B63H 11/08	3-Punkt Untergruppe	... of rotary type [1, 2006.01]

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B63H 11/09	3-Punkt Untergruppe	... by means of pressure pulses applied to a column of liquid, e.g. by ignition of an air/gas or vapour mixture [4, 2006.01]
B63H 11/10	2-Punkt Untergruppe	... having means for deflecting jet or influencing cross-section thereof [1, 2006.01]
B63H 11/103	3-Punkt Untergruppe	... having means to increase efficiency of propulsive fluid, e.g. discharge pipe provided with means to improve the fluid flow [4, 2006.01]
B63H 11/107	3-Punkt Untergruppe	... Direction control of propulsive fluid [4, 2006.01]
B63H 11/11	4-Punkt Untergruppe	.... with bucket or clamshell-type reversing means [4, 2006.01]
B63H 11/113	4-Punkt Untergruppe	.... Pivoted outlet [4, 2006.01]
B63H 11/117	4-Punkt Untergruppe	.... Pivoted vane [4, 2006.01]
B63H 11/12	1-Punkt Untergruppe	. the propulsive medium being steam or other gas [1, 2006.01]
B63H 11/14	2-Punkt Untergruppe	... the gas being produced by combustion [1, 2006.01]
B63H 11/16	2-Punkt Untergruppe	.. the gas being produced by other chemical processes [1, 2006.01]
<b>B63H 13/00</b>	<b>Hauptgruppe</b>	<b>Effecting propulsion by wind motors driving water-engaging propulsive elements [1, 2006.01]</b>
<b>B63H 15/00</b>	<b>Hauptgruppe</b>	<b>Effecting propulsion by use of vessel-mounted driving mechanisms co-operating with anchored chains or the like [1, 2006.01]</b>
<b>B63H 16/00</b>	<b>Hauptgruppe</b>	<b>Effecting propulsion by muscle power (swimming frameworks with swimmer-operated driving mechanisms A63B 35/00; land-based training equipment for rowing or sculling A63B 69/06) [1, 2006.01]</b>
B63H 16/02	1-Punkt Untergruppe	. Movable thwarts; Foot-rests [1, 2006.01]
B63H 16/04	1-Punkt Untergruppe	. Oars; Sculls; Paddles; Poles [1, 2006.01]
B63H 16/06	1-Punkt Untergruppe	. Rowlocks; Mountings therefor [1, 2006.01]
B63H 16/067	2-Punkt Untergruppe	.. Rowlocks mounted on a structure extending beyond the gunwale of the vessel [4, 2006.01]
B63H 16/073	2-Punkt Untergruppe	.. having oar shaft restraining means [4, 2006.01]
B63H 16/08	1-Punkt Untergruppe	. Other apparatus for converting muscle power into propulsive effort (general features of propulsion elements, <u>see</u> the relevant groups) [1, 2006.01]
B63H 16/10	2-Punkt Untergruppe	.. for bow-facing rowing [1, 2006.01]
B63H 16/16	2-Punkt Untergruppe	.. using reciprocating pull cable, i.e. a strand-like member movable alternately backward and forward [4, 2006.01]
B63H 16/18	2-Punkt Untergruppe	.. using sliding handle or pedal, i.e. the motive force being transmitted to a propelling means by means of a lever operated by the hand or foot of the occupant [4, 2006.01]
B63H 16/20	2-Punkt Untergruppe	.. using rotary cranking arm [4, 2006.01]
<b>B63H 19/00</b>	<b>Hauptgruppe</b>	<b>Effecting propulsion of vessels, not otherwise provided for [1, 2006.01]</b>
B63H 19/02	1-Punkt Untergruppe	. by using energy derived from movement of ambient water, e.g. from rolling or pitching of vessels [1, 2006.01]
B63H 19/04	2-Punkt Untergruppe	.. propelled by water current [1, 2006.01]
B63H 19/06	1-Punkt Untergruppe	. by discharging gas into ambient water (with jet action B63H 11/12; for reducing surface friction B63B 1/38) [1, 2006.01]
B63H 19/08	1-Punkt Untergruppe	. by direct engagement with water-bed or ground [1, 2006.01]

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<b>B63H 20/00</b>	<b>Hauptgruppe</b>	<b>Outboard propulsion units, i.e. propulsion units having a substantially vertical power leg mounted outboard of a hull and terminating in a propulsion element, e.g. "outboard motors", Z-drives (power plants <u>per se</u>, see the relevant classes); Arrangements thereof on vessels [6, 2006.01]</b>
B63H 20/02	1-Punkt Untergruppe	. Mounting of propulsion units (B63H 20/08 takes precedence) [6, 2006.01]
B63H 20/04	2-Punkt Untergruppe	... in a well [6, 2006.01]
B63H 20/06	2-Punkt Untergruppe	... on an intermediate support [6, 2006.01]
B63H 20/08	1-Punkt Untergruppe	. Means enabling movement of the position of the propulsion element, e.g. for trim, tilt, or steering ( transmissions allowing movement of the propulsion element B63H 20/14); Control of trim or tilt (initiating means for steering B63H 25/02) [6, 2006.01]
B63H 20/10	2-Punkt Untergruppe	... Means enabling trim or tilt, or lifting of the propulsion element when an obstruction is hit; Control of trim or tilt [6, 2006.01]
B63H 20/12	2-Punkt Untergruppe	... Means enabling steering [6, 2006.01]
B63H 20/14	1-Punkt Untergruppe	. Transmission between propulsion power unit and propulsion element [6, 2006.01]
B63H 20/16	2-Punkt Untergruppe	... allowing movement of the propulsion element in a horizontal plane only, e.g. for steering [6, 2006.01]
B63H 20/18	2-Punkt Untergruppe	... allowing movement of the propulsion element about a longitudinal axis, e.g. the through transom shaft ( B63H 20/22 takes precedence) [6, 2006.01]
B63H 20/20	2-Punkt Untergruppe	... with provision for reverse drive [6, 2006.01]
B63H 20/22	2-Punkt Untergruppe	... allowing movement of the propulsion element about at least a horizontal axis without disconnection of the drive, e.g. using universal joints [6, 2006.01]
B63H 20/24	1-Punkt Untergruppe	. Exhaust gas outlets [6, 2006.01]
B63H 20/26	2-Punkt Untergruppe	... passing through the propeller or its hub [6, 2006.01]
B63H 20/28	1-Punkt Untergruppe	. Cooling-water intakes [6, 2006.01]
B63H 20/30	2-Punkt Untergruppe	... for flushing [6, 2006.01]
B63H 20/32	1-Punkt Untergruppe	. Housings [6, 2006.01]
B63H 20/34	2-Punkt Untergruppe	... comprising stabilising fins [6, 2006.01]
B63H 20/36	1-Punkt Untergruppe	. Transporting or testing stands; Protection of power legs [6, 2006.01]
<b>B63H 21/00</b>	<b>Hauptgruppe</b>	<b>Use of propulsion power plant or units on vessels (use of outboard propulsion units B63H 20/00; hull reinforcements for carrying propulsion power plant or units B63B 3/70; propulsion power plant or units <u>per se</u>, see the relevant classes) [1, 6, 2006.01]</b>
B63H 21/02	1-Punkt Untergruppe	. the vessels being steam-driven (B63H 21/18 takes precedence) [1, 2006.01]
B63H 21/04	2-Punkt Untergruppe	... relating to positive-displacement steam engines [1, 2006.01]
B63H 21/06	2-Punkt Untergruppe	... relating to steam turbines [1, 2006.01]
B63H 21/08	2-Punkt Untergruppe	... relating to steam boilers [1, 2006.01]
B63H 21/10	2-Punkt Untergruppe	... relating to condensers or engine-cooling fluid heat-exchangers [1, 2006.01]
B63H 21/12	1-Punkt Untergruppe	. the vessels being motor-driven (B63H 21/175, B63H 21/18 take precedence) [1, 4, 2006.01]
B63H 21/14	2-Punkt Untergruppe	... relating to internal-combustion engines [1, 2006.01]
B63H 21/16	2-Punkt Untergruppe	... relating to gas turbines [1, 2006.01]

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B63H 21/165	2-Punkt Untergruppe	... by hydraulic fluid motor, i.e. wherein a liquid under pressure is utilised to rotate the propelling means [4, 2006.01]
B63H 21/17	2-Punkt Untergruppe	... by electric motor (electrically-propelled vehicles B60L) [4, 2006.01]
B63H 21/175	1-Punkt Untergruppe	. the vessel being powered by land vehicle supported by vessel [4, 2006.01]
B63H 21/18	1-Punkt Untergruppe	. the vessels being powered by nuclear energy [1, 2006.01]
B63H 21/20	1-Punkt Untergruppe	. the vessels being powered by combinations of different types of propulsion units [1, 2006.01]
B63H 21/21	1-Punkt Untergruppe	. Control means for engine or transmission, specially adapted for use on marine vessels [4, 2006.01]
B63H 21/22	1-Punkt Untergruppe	. the propulsion power units being controlled from exterior of engine room, e.g. from navigation bridge; Arrangements of order telegraphs (order telegraphs <u>per se</u> G08B 9/00) [1, 2006.01]
B63H 21/30	1-Punkt Untergruppe	. Mounting of propulsion plant or unit, e.g. for anti-vibration purposes (hull reinforcements therefor B63B 3/70; vibration-dampers, suppression of vibration in systems F16F; engine beds F16M) [1, 2006.01]
B63H 21/32	1-Punkt Untergruppe	. Arrangements of propulsion power-unit exhaust uptakes; Funnels peculiar to vessels (engine exhausts in general F01N; flue devices for furnaces in general F23) [1, 2006.01]
B63H 21/34	2-Punkt Untergruppe	... having exhaust-gas deflecting means [1, 2006.01]
B63H 21/36	1-Punkt Untergruppe	. Covers or casing arranged to protect plant or unit from marine environment (hull construction B63B 3/00) [4, 2006.01]
B63H 21/38	1-Punkt Untergruppe	. Apparatus or methods specially adapted for use on marine vessels, for handling power plant or unit liquids, e.g. lubricants, coolants, fuels or the like [4, 2006.01]
<b>B63H 23/00</b>	<b>Hauptgruppe</b>	<b>Transmitting power from propulsion power plant to propulsive elements (changing pitch of propellers B63H 3/00; adaptation of transmission to allow adjustment in direction of propellers B63H 5/125; transmission between wind motors and propulsive elements B63H 13/00, in outboard propulsion units B63H 20/14; adaptation of transmission to allow adjustment of location of propellers B63H 20/08; for vehicles in general B60K; driving auxiliary machinery B63J; transmission elements <u>per se</u>F16) [1, 2006.01]</b>
B63H 23/02	1-Punkt Untergruppe	. with mechanical gearing [1, 2006.01]
B63H 23/04	2-Punkt Untergruppe	... the main transmitting element, e.g. shaft, being substantially vertical [1, 2006.01]
B63H 23/06	2-Punkt Untergruppe	... for transmitting drive from a single propulsion power unit [1, 2006.01]
B63H 23/08	3-Punkt Untergruppe	... with provision for reversing drive [1, 2006.01]
B63H 23/10	2-Punkt Untergruppe	... for transmitting drive from more than one propulsion power unit (for synchronisation of propulsive elements B63H 23/28) [1, 2006.01]
B63H 23/12	3-Punkt Untergruppe	... allowing combined use of the propulsion power units [1, 2006.01]
B63H 23/14	4-Punkt Untergruppe	.... with unidirectional drive or where reversal is immaterial [1, 2006.01]
B63H 23/16	4-Punkt Untergruppe	.... characterised by provision of reverse drive [1, 2006.01]
B63H 23/18	3-Punkt Untergruppe	... for alternative use of the propulsion power units [1, 2006.01]
B63H 23/20	4-Punkt Untergruppe	.... with separate forward and astern propulsion power units, e.g. turbines [1, 2006.01]
B63H 23/22	1-Punkt Untergruppe	. with non-mechanical gearing [1, 2006.01]
B63H 23/24	2-Punkt Untergruppe	... electric [1, 2006.01]
B63H 23/26	2-Punkt Untergruppe	... fluid [1, 2006.01]

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B63H 23/28	1-Punkt Untergruppe	. with synchronisation of propulsive elements [1, 2006.01]
B63H 23/30	1-Punkt Untergruppe	. characterised by use of clutches [1, 2006.01]
B63H 23/32	1-Punkt Untergruppe	. Other parts [1, 2006.01]
B63H 23/34	2-Punkt Untergruppe	.. Propeller shafts; Paddle-wheel shafts; Attachment of propellers on shafts (shafts in general F16C; attachment of a member on a shaft in general F16D 1/06) [1, 2006.01]
B63H 23/35	3-Punkt Untergruppe	... Shaft braking or locking, i.e. means to slow or stop the rotation of the propeller shaft or to prevent the shaft from initial rotation [4, 2006.01]
B63H 23/36	2-Punkt Untergruppe	.. Shaft tubes (propeller-shaft tunnels B63B 11/06; shaft-tube seals F16J) [1, 2006.01]
<b>B63H 25/00</b>	<b>Hauptgruppe</b>	<b>Steering; Slowing-down otherwise than by use of propulsive elements (using adjustably-mounted propeller ducts or rings for steering B63H 5/14; using movably-installed outboard propulsion units B63H 20/00); Dynamic anchoring, i.e. positioning vessels by means of main or auxiliary propulsive elements (anchoring, other than dynamic, B63B 21/00; equipment to decrease pitch, roll, or like unwanted vessel movements by auxiliary jets or propellers B63B 39/08) [1, 2006.01]</b>
B63H 25/02	1-Punkt Untergruppe	. Initiating means for steering [1, 2006.01]
B63H 25/04	2-Punkt Untergruppe	.. automatic, e.g. reacting to compass [1, 2006.01]
B63H 25/06	1-Punkt Untergruppe	. Steering by rudders (by rudders carrying propellers B63H 25/42) [1, 2006.01]
B63H 25/08	2-Punkt Untergruppe	.. Steering gear [1, 2006.01]
B63H 25/10	3-Punkt Untergruppe	... with mechanical transmission [1, 2006.01]
B63H 25/12	3-Punkt Untergruppe	... with fluid transmission [1, 2006.01]
B63H 25/14	3-Punkt Untergruppe	... power assisted; power driven, i.e. using steering engine [1, 2006.01]
B63H 25/16	4-Punkt Untergruppe	.... with alternative muscle or power- operated steering [1, 2006.01]
B63H 25/18	4-Punkt Untergruppe	.... Transmitting of movement of initiating means to steering engine [1, 2006.01]
B63H 25/20	5-Punkt Untergruppe	..... by mechanical means [1, 2006.01]
B63H 25/22	5-Punkt Untergruppe	..... by fluid means [1, 2006.01]
B63H 25/24	5-Punkt Untergruppe	..... by electrical means [1, 2006.01]
B63H 25/26	4-Punkt Untergruppe	.... Steering engines [1, 2006.01]
B63H 25/28	5-Punkt Untergruppe	..... of fluid type [1, 2006.01]
B63H 25/30	6-Punkt Untergruppe	..... hydraulic [1, 2006.01]
B63H 25/32	6-Punkt Untergruppe	..... steam [1, 2006.01]
B63H 25/34	4-Punkt Untergruppe	.... Transmitting of movement of engine to rudder, e.g. using quadrants, brakes [1, 2006.01]
B63H 25/36	2-Punkt Untergruppe	.. Rudder-position indicators [1, 2006.01]
B63H 25/38	2-Punkt Untergruppe	.. Rudders (stern posts B63B 3/40) [1, 2006.01]
B63H 25/40	3-Punkt Untergruppe	... using Magnus effect [1, 2006.01]
B63H 25/42	1-Punkt Untergruppe	. Steering or dynamic anchoring by propulsive elements (by jets B63H 25/46); Steering or dynamic anchoring by propellers used therefor only; Steering or dynamic anchoring by rudders carrying propellers [1, 2, 2006.01]

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B63H 25/44	1-Punkt Untergruppe	. Steering or slowing-down by extensible flaps or the like [1, 2006.01]
B63H 25/46	1-Punkt Untergruppe	. Steering or dynamic anchoring by jets [1, 2, 2006.01]
B63H 25/48	1-Punkt Untergruppe	. Steering or slowing-down by deflection of propeller slip-stream otherwise than by rudder [1, 2006.01]
B63H 25/50	1-Punkt Untergruppe	. Slowing-down means not otherwise provided for [1, 2006.01]
B63H 25/52	1-Punkt Untergruppe	. Parts for steering not otherwise provided for [1, 2006.01]