

Symbol	Typ	Titel
D	Sektion	SECTION D — TEXTILES; PAPER
D01	Untersektion	TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR
D01	Klasse	NATURAL OR ARTIFICIAL THREADS OR FIBRES; SPINNING (metal threads B21; fibres or filaments of softened glass, minerals, or slag C03B 37/00; yarns D02)
D01H	Unterklasse	SPINNING OR TWISTING (unwinding, paying-out, forwarding, winding, or coiling filamentary material, not intimately associated with spinning or twisting, B65H; cores, formers, supports, or holders for coiled or wound material, e.g. bobbins, B65H; twisting oakum D01G 35/00; crimping or curling of fibres, filaments, or yarns D02G 1/00; making chenille D03D, D04D 3/00; testing yarns, rovings, slivers, fibres, or fibre webs G01) <u>Kinds or types of spinning or twisting machines; Drafting machines or arrangements; Twisting arrangements</u>
D01H 1/00	Hauptgruppe	Spinning or twisting machines in which the product is wound-up continuously (open-end spinning machines D01H 4/00) [5]
D01H 1/02	1-Punkt Untergruppe	. ring type
D01H 1/04	1-Punkt Untergruppe	. flyer type
D01H 1/06	1-Punkt Untergruppe	. cap type
D01H 1/08	1-Punkt Untergruppe	. cup, pot, or disc type, in which annular masses of yarn are formed by centrifugal action
D01H 1/10	1-Punkt Untergruppe	. for imparting multiple twist, e.g. two-for-one twisting
D01H 1/11	1-Punkt Untergruppe	. Spinning by false-twisting [5]
D01H 1/115	2-Punkt Untergruppe	. . using pneumatic means [5]
D01H 1/14	1-Punkt Untergruppe	. Details (drafting arrangements D01H 5/00; twisting arrangements D01H 7/00)
D01H 1/16	2-Punkt Untergruppe	. . Framework; Casings; Coverings
D01H 1/18	2-Punkt Untergruppe	. . Supports for supply packages
D01H 1/20	2-Punkt Untergruppe	. . Driving or stopping arrangements (for open-end spinning machines D01H 4/12, D01H 4/20, D01H 4/42; safety devices D01H 13/14) [5]
D01H 1/22	3-Punkt Untergruppe	. . . for rollers (regulating or varying draft D01H 5/32)
D01H 1/24	3-Punkt Untergruppe	. . . for twisting arrangements, e.g. spindles (braking arrangements for spindles D01H 7/22; interrelated flyer and bobbin drive mechanisms D01H 7/50)
D01H 1/241	4-Punkt Untergruppe	 driven by belt [2]
D01H 1/242	4-Punkt Untergruppe	 driven by toothed wheels [2]
D01H 1/243	4-Punkt Untergruppe	 driven by friction discs [2]
D01H 1/244	4-Punkt Untergruppe	 each spindle driven by an electric motor [2]
D01H 1/26	4-Punkt Untergruppe	 with two or more speeds; with variable-speed arrangements
D01H 1/28	3-Punkt Untergruppe	. . . for two or more machine elements possessing different characteristics but in operative association
D01H 1/30	4-Punkt Untergruppe	 with two or more speeds; with variable-speed arrangements
D01H 1/32	3-Punkt Untergruppe	. . . for complete machines

Symbol	Typ	Titel
D01H 1/34	4-Punkt Untergruppe	 with two or more speeds; with variable-speed arrangements
D01H 1/36	2-Punkt Untergruppe	. . Package-shaping arrangements, e.g. building motions
D01H 1/38	2-Punkt Untergruppe	. . Arrangements for winding reserve lengths of yarn on take-up packages, e.g. transfer tails
D01H 1/40	2-Punkt Untergruppe	. . Arrangements for connecting continuously- delivered material to bobbins or the like
D01H 1/42	2-Punkt Untergruppe	. . Guards or protectors for yarns or threads, e.g. separator plates, anti-ballooning devices (anti-ballooning devices on spindles D01H 7/18)
D01H 3/00	Hauptgruppe	Spinning or twisting machines in which the product is wound-up intermittently, e.g. mules
D01H 3/02	1-Punkt Untergruppe	. Details (drafting arrangements D01H 5/00; twisting arrangements D01H 7/00)
D01H 3/04	2-Punkt Untergruppe	. . Carriages; Mechanisms effecting carriage movements
D01H 3/06	3-Punkt Untergruppe	. . . Carriages; Carriage rails; Squaring motions
D01H 3/08	3-Punkt Untergruppe	. . . Drawing-out or taking-in motions
D01H 3/10	3-Punkt Untergruppe	. . . Moving-creel arrangements, e.g. for twiners
D01H 3/12	2-Punkt Untergruppe	. . Package-shaping motions; Faller arrangements
D01H 3/14	2-Punkt Untergruppe	. . Roller-driving arrangements (drafting arrangements of general application in spinning machines D01H 5/18)
D01H 3/16	2-Punkt Untergruppe	. . Spindle-driving arrangements (spindles, spindle bearings, spindle supports D01H 7/04)
D01H 3/18	3-Punkt Untergruppe	. . . Tin rollers; Driving arrangements intimately associated with tin rollers
D01H 3/20	3-Punkt Untergruppe	. . . Spindle-driving arrangements during drawing-out or backing-off
D01H 3/22	3-Punkt Untergruppe	. . . Spindle-driving arrangements during taking-in
D01H 3/24	4-Punkt Untergruppe	 Quadrant motions; Nosing motions
D01H 3/26	2-Punkt Untergruppe	. . Driving or stopping arrangements not otherwise provided for; Locking motions (safety devices D01H 13/14)
D01H 4/00	Hauptgruppe	Open-end spinning machines or arrangements for imparting twist to independently moving fibres separated from slivers; Piecing arrangements therefor; Covering endless core threads with fibres by open-end spinning techniques [5]
D01H 4/02	1-Punkt Untergruppe	. imparting twist by a fluid, e.g. air vortex [5]
D01H 4/04	1-Punkt Untergruppe	. imparting twist by contact of fibres with a running surface [5]
D01H 4/06	2-Punkt Untergruppe	. . co-operating with suction means (D01H 4/08, D01H 4/16 take precedence) [5]
D01H 4/08	2-Punkt Untergruppe	. . Rotor spinning, i.e. the running surface being provided by a rotor [5]
D01H 4/10	3-Punkt Untergruppe	. . . Rotors [5]
D01H 4/12	3-Punkt Untergruppe	. . . Rotor bearings; Arrangements for driving or stopping (control therefor D01H 4/42) [5]
D01H 4/14	4-Punkt Untergruppe	 Rotor driven by an electric motor [5]
D01H 4/16	2-Punkt Untergruppe	. . Friction spinning, i. e. the running surface being provided by a pair of closely spaced friction drums, e.g. at least one suction drum [5]
D01H 4/18	3-Punkt Untergruppe	. . . Friction drums, e.g. arrangement of suction holes [5]
D01H 4/20	3-Punkt Untergruppe	. . . Drum bearings; Arrangements for driving or stopping (control therefor D01H 4/42) [5]

Symbol	Typ	Titel
D01H 4/22	2-Punkt Untergruppe	. . Cleaning of running surfaces [5]
D01H 4/24	3-Punkt Untergruppe	. . . in rotor spinning [5]
D01H 4/26	3-Punkt Untergruppe	. . . in friction spinning [5]
D01H 4/28	1-Punkt Untergruppe	. using electrostatic fields [5]
D01H 4/30	1-Punkt Untergruppe	. Arrangements for separating slivers into fibres; Orienting or straightening fibres [5]
D01H 4/32	2-Punkt Untergruppe	. . using opening rollers [5]
D01H 4/34	2-Punkt Untergruppe	. . using air-jet streams [5]
D01H 4/36	2-Punkt Untergruppe	. . with means for taking away impurities [5]
D01H 4/38	1-Punkt Untergruppe	. Channels for feeding fibres to the yarn forming region [5]
D01H 4/40	1-Punkt Untergruppe	. Removing running yarn from the yarn forming region, e.g. using tubes [5]
D01H 4/42	1-Punkt Untergruppe	. Control of driving or stopping [5]
D01H 4/44	2-Punkt Untergruppe	. . in rotor spinning [5]
D01H 4/46	2-Punkt Untergruppe	. . in friction spinning [5]
D01H 4/48	1-Punkt Untergruppe	. Piecing arrangements; Control therefor [5]
D01H 4/50	2-Punkt Untergruppe	. . for rotor spinning [5]
D01H 4/52	2-Punkt Untergruppe	. . for friction spinning [5]
D01H 5/00	Hauptgruppe	Drafting machines or arrangements (arrangements in which draft is dependent on linear movement of take-up spindles, e.g. in mules, D01H 3/00; devices for combing or orienting fibres for open-end spinning machines D01H 4/30)
D01H 5/02	1-Punkt Untergruppe	. Gill boxes or other drafting machines employing fallers or like pinned bars (lubricating fibres in gill boxes D01G 29/00)
D01H 5/04	2-Punkt Untergruppe	. . with pinned bars actuated by screw members
D01H 5/06	3-Punkt Untergruppe	. . . Intersecting gill boxes
D01H 5/08	2-Punkt Untergruppe	. . with bars connected by links, chains, or the like
D01H 5/10	2-Punkt Untergruppe	. . with pinned bars unconnected with each other but actuated through pressure of one against another
D01H 5/12	2-Punkt Untergruppe	. . Details
D01H 5/14	3-Punkt Untergruppe	. . . Pinned bars
D01H 5/16	3-Punkt Untergruppe	. . . Framework; Casings; Coverings
D01H 5/18	1-Punkt Untergruppe	. Drafting machines or arrangements without fallers or like pinned bars
D01H 5/20	2-Punkt Untergruppe	. . in which fibres are controlled by contact with stationary or reciprocating surfaces
D01H 5/22	2-Punkt Untergruppe	. . in which fibres are controlled by rollers only
D01H 5/24	3-Punkt Untergruppe	. . . with porcupines or like pinned rotary members
D01H 5/26	2-Punkt Untergruppe	. . in which fibres are controlled by one or more endless aprons

Symbol	Typ	Titel
D01H 5/28	2-Punkt Untergruppe	. . in which fibres are controlled by inserting twist during drafting (mules D01H 3/00; constructions of false-twist devices D02G 1/04)
D01H 5/30	2-Punkt Untergruppe	. . incorporating arrangements for severing continuous filaments, e.g. in direct spinning (converting tows to slivers or yarns D01G 1/06)
D01H 5/32	2-Punkt Untergruppe	. . Regulating or varying draft
D01H 5/34	3-Punkt Untergruppe	. . . by manual adjustments
D01H 5/36	3-Punkt Untergruppe	. . . according to a pre-arranged pattern, e.g. to produce slubs
D01H 5/38	3-Punkt Untergruppe	. . . in response to irregularities in material
D01H 5/40	4-Punkt Untergruppe	 employing mechanical time-delay devices
D01H 5/42	4-Punkt Untergruppe	 employing electrical time-delay devices
D01H 5/44	2-Punkt Untergruppe	. . Adjusting drafting elements, e.g. altering ratch
D01H 5/46	2-Punkt Untergruppe	. . Loading arrangements
D01H 5/48	3-Punkt Untergruppe	. . . using weights
D01H 5/50	3-Punkt Untergruppe	. . . using springs
D01H 5/52	3-Punkt Untergruppe	. . . using fluid pressure
D01H 5/54	3-Punkt Untergruppe	. . . using magnetic arrangements
D01H 5/56	2-Punkt Untergruppe	. . Supports for drafting elements (saddles or top roller arms forming essential components of weighting arrangements D01H 5/48)
D01H 5/58	2-Punkt Untergruppe	. . Arrangements for traversing drafting elements (traversing arrangements for roving guides D01H 13/06)
D01H 5/60	2-Punkt Untergruppe	. . Arrangements maintaining drafting elements free of fibre accumulations
D01H 5/62	3-Punkt Untergruppe	. . . Non-rotary cleaning pads or plates; Scrapers
D01H 5/64	3-Punkt Untergruppe	. . . Rollers or aprons with cleaning surfaces
D01H 5/66	3-Punkt Untergruppe	. . . Suction devices
D01H 5/68	4-Punkt Untergruppe	 Suction end-catchers
D01H 5/70	2-Punkt Untergruppe	. . Constructional features of drafting elements
D01H 5/72	3-Punkt Untergruppe	. . . Fibre-condensing guides (guides for slivers, rovings, or yarns applicable solely for spinning, twisting, curling, or crimping purposes D01H 13/04)
D01H 5/74	3-Punkt Untergruppe	. . . Rollers
D01H 5/76	4-Punkt Untergruppe	 Loose-boss assemblies
D01H 5/78	4-Punkt Untergruppe	 with flutes or other integral surface characteristics
D01H 5/80	4-Punkt Untergruppe	 with covers; Cots or covers
D01H 5/82	4-Punkt Untergruppe	 Arrangements for coupling roller sections
D01H 5/84	4-Punkt Untergruppe	 Porcupines
D01H 5/86	3-Punkt Untergruppe	. . . Aprons; Apron supports; Apron-tensioning arrangements

Symbol	Typ	Titel
D01H 5/88	4-Punkt Untergruppe	 Cradles; Tensors
D01H 7/00	Hauptgruppe	Spinning or twisting arrangements (for open-end spinning D01H 4/00) [5]
D01H 7/02	1-Punkt Untergruppe	. for imparting permanent twist
D01H 7/04	2-Punkt Untergruppe	. . Spindles (spindle bearings, supports therefor, in general F16C)
D01H 7/06	3-Punkt Untergruppe	. . . Stationary spindles with package-holding sleeves
D01H 7/08	3-Punkt Untergruppe	. . . Mounting arrangements
D01H 7/10	4-Punkt Untergruppe	 Spindle supports; Rails; Rail supports, e.g. poker guides
D01H 7/12	4-Punkt Untergruppe	 Bolsters; Bearings
D01H 7/14	4-Punkt Untergruppe	 Holding-down arrangements
D01H 7/16	3-Punkt Untergruppe	. . . Arrangements for coupling bobbins or like to spindles
D01H 7/18	3-Punkt Untergruppe	. . . Arrangements on spindles for suppressing yarn balloons (thread guards or protectors D01H 1/42)
D01H 7/20	3-Punkt Untergruppe	. . . Lubricating arrangements
D01H 7/22	3-Punkt Untergruppe	. . . Braking arrangements
D01H 7/24	2-Punkt Untergruppe	. . Flyer or like arrangements (multiple-twist arrangements D01H 7/86)
D01H 7/26	3-Punkt Untergruppe	. . . Flyer constructions
D01H 7/28	4-Punkt Untergruppe	 arranged to guide material over exterior of legs
D01H 7/30	4-Punkt Untergruppe	 with guide channels formed in legs, e.g. slubbing flyers
D01H 7/32	5-Punkt Untergruppe	 with pressing devices
D01H 7/34	4-Punkt Untergruppe	 with haul pulleys or like arrangements
D01H 7/36	4-Punkt Untergruppe	 with traversing devices
D01H 7/38	4-Punkt Untergruppe	 Ring flyers
D01H 7/40	3-Punkt Untergruppe	. . . Flyer supports, e.g. rails
D01H 7/42	3-Punkt Untergruppe	. . . Arrangements coupling flyers to spindles
D01H 7/44	3-Punkt Untergruppe	. . . Drag arrangements for bobbins or flyers
D01H 7/46	3-Punkt Untergruppe	. . . Devices attached to, or integral with, flyers for temporarily increasing twist in material passing to them
D01H 7/48	3-Punkt Untergruppe	. . . Eyes or like guiding arrangements (D01H 7/46 takes precedence)
D01H 7/50	3-Punkt Untergruppe	. . . Interrelated flyer and bobbin drive mechanisms, e.g. winding-on motions for cotton-roving frames (package-building mechanisms D01H 1/36)
D01H 7/52	2-Punkt Untergruppe	. . Ring-and-traveller arrangements
D01H 7/54	3-Punkt Untergruppe	. . . with fixed rings
D01H 7/56	3-Punkt Untergruppe	. . . with freely-rotatable rings; with braked or dragged rings
D01H 7/58	3-Punkt Untergruppe	. . . with driven rings

Symbol	Typ	Titel
D01H 7/60	3-Punkt Untergruppe	. . . Rings or travellers; Manufacture thereof not otherwise provided for (hand tools for applying travellers to rings D01H 17/02)
D01H 7/62	3-Punkt Untergruppe	. . . Arrangements providing lubricant for travellers
D01H 7/64	3-Punkt Untergruppe	. . . Ring supports, e.g. ring rails (poker guides or other rail supports D01H 7/10)
D01H 7/66	2-Punkt Untergruppe	. . Cap arrangements
D01H 7/68	3-Punkt Untergruppe	. . . Cap constructions
D01H 7/70	3-Punkt Untergruppe	. . . Arrangements for supporting caps on spindles
D01H 7/72	3-Punkt Untergruppe	. . . Bobbin-supporting arrangements, e.g. bobbin rails (poker guides or other rail supports D01H 7/10)
D01H 7/74	2-Punkt Untergruppe	. . Cup or like arrangements
D01H 7/76	3-Punkt Untergruppe	. . . Rotary discs
D01H 7/78	3-Punkt Untergruppe	. . . Constructions of cups, e.g. spinning boxes
D01H 7/80	4-Punkt Untergruppe	 adapted to collect wet yarns
D01H 7/82	3-Punkt Untergruppe	. . . Casings or guards for rotary cups or the like
D01H 7/84	3-Punkt Untergruppe	. . . Spindles or yarn carriers for co-operation with rotary cups (removing yarn from centrifugal cups on to yarn carriers D01H 9/06)
D01H 7/86	2-Punkt Untergruppe	. . Multiple-twist arrangements, e.g. two-for-one twisting devices
D01H 7/88	2-Punkt Untergruppe	. . Hollow-spindle arrangements (D01H 7/86 takes precedence)
D01H 7/90	2-Punkt Untergruppe	. . Arrangements with two or more twisting devices in combination (D01H 7/86, D01H 7/88 take precedence)
D01H 7/92	1-Punkt Untergruppe	. for imparting transient twist
<u>Common features or details of, or accessories for, spinning or twisting machines of various kinds or types (drafting arrangements D01H 5/00; twisting arrangements D01H 7/00)</u>		
D01H 9/00	Hauptgruppe	Arrangements for replacing or removing bobbins, cores, receptacles, or completed packages at paying-out or take-up stations (arrangements of general interest in the winding of filamentary material B65H)
D01H 9/02	1-Punkt Untergruppe	. for removing completed take-up packages and replacing by bobbins, cores, or receptacles at take-up stations; Transferring material between adjacent full and empty take-up elements
D01H 9/04	2-Punkt Untergruppe	. . Doffing arrangements integral with spinning or twisting machines
D01H 9/06	3-Punkt Untergruppe	. . . Removing yarn from centrifugal cups on to yarn carriers
D01H 9/08	2-Punkt Untergruppe	. . Doffing arrangements independent of spinning or twisting machines
D01H 9/10	3-Punkt Untergruppe	. . . Doffing carriages
D01H 9/12	3-Punkt Untergruppe	. . . Manual cop-tube applying apparatus; Stands for cop-tube applying apparatus
D01H 9/14	2-Punkt Untergruppe	. . for preparing machines for doffing of yarns (stop motions responsive to delivery of a measured length of material D01H 13/24)
D01H 9/16	2-Punkt Untergruppe	. . Yarn-severing arrangements
D01H 9/18	1-Punkt Untergruppe	. for supplying bobbins, cores, receptacles, or completed packages to, or transporting from, paying-out or take-up stations (D01H 9/10 takes precedence)
D01H 11/00	Hauptgruppe	Arrangements for confining or removing dust, fly, or the like (cleaning of running surfaces in open-end spinning machines D01H 4/22; separation in general B01D; cleaning in general B08B;

Symbol	Typ	Titel
		air-conditioning F24F, e.g. by filtering F24F 3/16) [5]
D01H 13/00	Hauptgruppe	Other common constructional features, details, or accessories (for open-end spinning D01H 4/00) [5]
D01H 13/02	1-Punkt Untergruppe	. Roller arrangements not otherwise provided for
D01H 13/04	1-Punkt Untergruppe	. Guides for slivers, rovings, or yarns; Smoothing dies (fibre-condensing guides D01H 5/72)
D01H 13/06	2-Punkt Untergruppe	. . Traversing arrangements
D01H 13/08	1-Punkt Untergruppe	. Twist arresters
D01H 13/10	1-Punkt Untergruppe	. Tension devices
D01H 13/12	1-Punkt Untergruppe	. Arrangements preventing snarls or inadvertent doubling of yarns (suction end-catchers D01H 5/68)
D01H 13/14	1-Punkt Untergruppe	. Warning or safety devices, e.g. automatic fault detectors, stop motions (warning or safety devices for filamentary material, not intimately associated with spinning or like machines B65H; safety devices of general application F16P; indicating devices of general application G08B)
D01H 13/16	2-Punkt Untergruppe	. . responsive to reduction in material tension, failure of supply, or breakage, of material
D01H 13/18	3-Punkt Untergruppe	. . . stopping supply only
D01H 13/20	2-Punkt Untergruppe	. . responsive to excessive tension or irregular operation of apparatus
D01H 13/22	2-Punkt Untergruppe	. . responsive to presence of irregularities in running material
D01H 13/24	2-Punkt Untergruppe	. . responsive to delivery of a measured length of material, completion of winding of a package or filling of a receptacle
D01H 13/26	1-Punkt Untergruppe	. Arrangements facilitating the inspection or testing of yarns or the like in connection with spinning or twisting
D01H 13/28	1-Punkt Untergruppe	. Heating or cooling arrangements
D01H 13/30	1-Punkt Untergruppe	. Moistening, sizing, oiling, waxing, colouring, or drying yarns or the like as incidental measures during spinning or twisting
D01H 13/32	1-Punkt Untergruppe	. Counting, measuring, recording, or registering devices (in general, <u>see</u> in the appropriate subclass of section G, e.g. G01B)
D01H 15/00	Hauptgruppe	Piecing arrangements (for open-end spinning machines D01H 4/48; in machines for producing textile fabrics, <u>see</u> the appropriate subclasses) [5]
D01H 15/007	1-Punkt Untergruppe	. for two-for-one twisting machines [5]
D01H 15/013	1-Punkt Untergruppe	. Carriages travelling along the machines [5]
D01H 17/00	Hauptgruppe	Hand tools (cop-tube applying apparatus D01H 9/12)
D01H 17/02	1-Punkt Untergruppe	. Arrangements for storing ring travellers; Devices for applying travellers to rings