

ECLA**EUROPEAN CLASSIFICATION****D03D****WOVEN FABRICS; METHODS OF WEAVING; LOOMS****Notes**

1. Class D06 takes precedence over this subclass in respect of processes involving both weaving and finishing steps and in respect of the finished fabrics.
2. A method of weaving is classified in the group designating the fabric woven unless the method is characterised by the operation of a particular loom rather than by the production of a particular fabric. In this case, the method is classified in the group for the loom.
3. In this subclass, if there is any doubt as to which of the essential features is the most important (this is usually the most restrictive feature), the groups designating woven fabrics should be considered in the order in which they appear at each level of indentation, except that groups designating woven pile fabrics are to be considered as taking precedence over groups designating other woven fabrics.

Guide heading:

Woven fabrics; Methods of weaving other than those characterised by the operation of a particular loom

D03D1/00**Woven fabrics designed to make specified articles**

- D03D1/00A . [N: Woven fabrics for safety belts]
- D03D1/00B . [N: Woven fabrics for labels]
- D03D1/00C . [N: Woven household fabrics] [N1203]
- D03D1/00C2 . . [N: Mops or wipes] [N1203]
- D03D1/00C4 . . [N: Doormats] [N1203]
- D03D1/00D . [N: Protective fabrics] [N1203]
- D03D1/00D2 . . [N: Cut or abrasion resistant] [N1203]
- D03D1/00D4 . . [N: Camouflage fabrics] [N1203]
- D03D1/00D6 . . [N: Antiballistic fabrics] [N1203]
- D03D1/00D8 . . [N: Electromagnetic radiation resistant] [N1203]
- D03D1/00D10 . . [N: Noise dampening] [N1203]
- D03D1/00D12 . . [N: UV radiation protecting] [N1203]
- D03D1/00E . [N: Photovoltaic fabrics] [N1203]
- D03D1/00F . [N: Fabrics for printed circuit boards] [N1203]
- D03D1/00G . [N: Fabrics having an electronic function] [N1203]
- D03D1/00H . [N: Belts ([D03D1/00A](#) takes precedence)] [N1203]

D03D15/00	Woven fabrics characterised by the material or construction of the yarn or other warp or weft elements used
D03D15/00A	. [N: Antistatic fabrics]
D03D15/00B	. [N: using glass fibres]
D03D15/00C	. [N: using threads comprising a mineral] [N1203]
D03D15/00D	. [N: using threads with beads] [N1203]
D03D15/00E	. [N: using bicomponent threads] [N1203]
D03D15/00F	. [N: using coloured threads] [N1203]
D03D15/00G	. [N: using threads made of delicate fibers] [N1203]
D03D15/00H	. [N: using knitted threads] [N1203]
D03D15/00I	. [N: using leather threads] [N1203]
D03D15/00J	. [N: using magnetic threads] [N1203]
D03D15/00K	. [N: using threads with microdenier fibers] [N1203]
D03D15/00L	. [N: using threads with a noble metal] [N1203]
D03D15/00M	. [N: using paper threads] [N1203]
D03D15/00N	. [N: using fancy or textured threads (N: Chenille yarns are in D03D27/18)] [N1203]
D03D15/00O	. [N: using threads having a particular sectional shape] [N1203]
D03D15/00O2	. . [N: Flat threads] [N1203]
D03D15/00P	. [N: using threads with different diameters] [N1203]
D03D15/02	. the warp or weft elements being of stiff material, e.g. wire, cane, slat
D03D15/04	. woven to produce shapes or effects upon differential shrinkage
D03D15/06	. using scaffolding threads, i.e. threads removed after weaving
D03D15/08	. using stretchable or elastic threads (woven fabrics whose elastic or stretch properties are due to the manner of weaving D03D17/00)
D03D15/10	. using threads having high or low coefficients of friction
D03D15/12	. using heat-resistant or fireproof threads
D03D17/00	Woven fabrics having elastic or stretch properties due to manner of weaving (fabrics using stretchable or elastic threads D03D15/08)

D03D19/00	Gauze or leno-woven fabrics
D03D21/00	Lappet- or swivel-woven fabrics
D03D23/00	General weaving methods not special to the production of any particular woven fabric or the use of any particular loom; Weaves not provided for in any other single group
D03D25/00	Woven fabrics not otherwise provided for
D03D25/00A	. [N: Three-dimensional woven fabrics]
D03D27/00	Woven pile fabrics
D03D27/02	. wherein the pile is formed by warp or weft
D03D27/04	. . Weft pile fabrics
D03D27/06	. . Warp pile fabrics
D03D27/08	. . . Terry fabrics
D03D27/10	. . Fabrics woven face-to-face, e.g. double velvet
D03D27/12	. wherein pile tufts are inserted during weaving
D03D27/14	. . with tufts around warps
D03D27/16	. . with tufts around wefts
D03D27/18	. Chenille fabrics
Guide heading:	<u>Looms; Methods of weaving characterised by the operation of particular looms</u>
D03D29/00	Hand looms
D03D31/00	Lappet, swivel or other looms for forming embroidery-like decoration on fabrics
D03D33/00	Multiple looms, i.e. two or more looms assembled together, whether or not they have mechanisms in common (D03D35/00 takes precedence)
D03D35/00	Smallware looms, i.e. looms for weaving ribbons or other narrow fabrics (D03D47/00 takes precedence)
D03D35/00A	. [N: Shuttles]
D03D37/00	Circular looms (looms for weaving separate fabrics disposed in a circle or polygon D03D33/00)

D03D39/00**Pile-fabric looms**

- D03D39/02 . Axminster looms, i.e. wherein pile tufts are inserted during weaving
- D03D39/04 . . Spool Axminster looms
- D03D39/06 . . . Tuft yarn tube or spool frames
- D03D39/08 . . Gripper Axminster looms
- D03D39/08B . . . [N: Selecting mechanisms] [N1111]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D39/08](#)]
- D03D39/08D . . . [N: Gripper details] [N1111]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D39/08](#)]
- D03D39/10 . Wire-tapestry looms, e.g. for weaving velvet or Brussels or Wilton carpets, the pile being formed over weftwise wires
- D03D39/12 . . Mechanisms for operating the pile wires
- D03D39/14 . . Construction of the pile wires, e.g. pile wires which cut
- D03D39/16 . Double-plush looms, i.e. for weaving two pile fabrics face-to-face
- D03D39/18 . . Separating the two plush layers, e.g. by cutting
- D03D39/20 . Looms forming pile over warpwise wires
- D03D39/22 . Terry looms
- D03D39/22B . . [N: Cloth control] [N1111]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D39/22](#)]
- D03D39/22D . . [N: Sley control] [N1111]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D39/22](#)]
- D03D39/24 . Devices for cutting the pile on the loom (pile wires which cut [D03D39/14](#); separating two plush layers [D03D39/18](#))
- D03D41/00 Looms not otherwise provided for, e.g. for weaving chenille yarn; Details peculiar to these looms**
- D03D41/00A . [N: Hair-cloth looms]

- D03D41/00B . [N: Looms for weaving reed, straw or wood]
- D03D41/00C . [N: Looms for three-dimensional fabrics]
- D03D41/00D . [N: Linear-shed multiphase looms]
- D03D41/00E . [N: Vertical looms] [N9610]
- D03D41/00G . [N: Looms for weaving flat yarns] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D41/00](#)
]

D03D43/00 Looms with change-boxes

- D03D43/02 . with drop boxes
- D03D43/04 . . Operating mechanisms
- D03D43/06 . with rotary boxes
- D03D43/08 . . Operating mechanisms
- D03D43/10 . Weft catchers, i.e. means for preventing entanglement of wefts

D03D45/00 Looms with automatic weft replenishment (automatic replenishment in smallware looms [D03D35/00](#), in circular looms [D03D37/00](#); bobbins rewound on loom [D03J1/12](#))

- D03D45/02 . Controlling replenishment
- D03D45/04 . . Pirn feelers or other detectors for initiating replenishment ([weft stop motions D03D51/34](#))
- D03D45/06 . . . mechanical
- D03D45/08 of the side-slip type
- D03D45/10 . . . electrical
- D03D45/12 . . . optical
- D03D45/14 . . Storing the need for replenishment or the colour required until the spent shuttle returns to the replenishing end of the loom
- D03D45/16 . . . selecting thereby weft of correct colour
- D03D45/18 . . Shuttle feelers or other devices for preventing replenishment if shuttle is incorrectly positioned in shuttle box ([shuttle stop motions D03D51/40](#))
- D03D45/20 . Changing bobbins, cops, or other shuttle stock
- D03D45/22 . . effected with shuttle in normal shuttle box
- D03D45/24 . . effected otherwise than in normal box
- D03D45/26 . . Magazines
- D03D45/28 . . . for one type of thread, e.g. same colour
- D03D45/30 rotary
- D03D45/32 . . . for several types of thread, e.g. multicolour

- D03D45/34 . Shuttle changing
- D03D45/36 . . fresh shuttle being substituted for spent shuttle in the same cell of shuttle box
- D03D45/38 . . Shuttle box with an extra cell which is used only during replenishment
- D03D45/40 . . . the spent shuttle being received in the normal cell and the fresh shuttle being picked from the extra cell
- D03D45/42 . . . the spent shuttle being received in the extra cell and the fresh shuttle being picked from the normal cell
- D03D45/44 . . Magazines
- D03D45/46 . . . for one type of thread, e.g. single colour
- D03D45/48 . . . for several types of threads, e.g. multicolour
- D03D45/50 . Cutting, holding, manipulating, or disposing of, weft ends
- D03D45/52 . . Cutting weft of depleted shuttle near shuttle and holding the piece attached to the fabric
- D03D45/54 . . Cutting fresh weft and holding the piece attached to the fabric
- D03D45/56 . . Cutting depleted and fresh wefts at selvage
- D03D45/58 . . Removing tip bunch or fresh weft end from fresh bobbin
- D03D45/60 . . . substantially by air stream or suction
- D03D45/62 . . Disposing of waste pieces of cut weft end ([D03D45/58](#) takes precedence)
- D03D47/00 Looms in which bulk supply of weft does not pass through shed, e.g. shuttleless looms, gripper shuttle looms, dummy shuttle looms ([circular looms D03D37/00](#))**
- D03D47/02 . wherein loops of continuous weft thread are inserted, i.e. double picks
- D03D47/04 . . by a reciprocating needle having a permanently-threaded eye
- D03D47/06 . . by a pivoted needle having a permanently-threaded eye
- D03D47/08 . . . the path of the needle being modified by cams, linkages, or other means
- D03D47/10 . . by a forked needle pushing loop of weft through shed
- D03D47/12 . wherein single picks of weft thread are inserted, i.e. with shedding between each pick
- D03D47/12B . . [N: Weft holding devices (If the weft is reinserted in the next shed [D03D47/48](#); in jet looms [D03D47/30D4](#))] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also groups [D03D47/00](#) and [D03D47/12](#)
]
- D03D47/14 . . by a gripper needle taking the end of the weft through the shed
- D03D47/16 . . by a gripper needle entering the shed empty and drawing the weft as it retracts
- D03D47/18 . . two weft inserters meeting at or near the middle of the shed and transferring the weft from one to the other
- D03D47/20 . . Constructional features of the thread-engaging device on the inserters
- D03D47/22 . . . adapted for working a loop of weft part-way inserted in the shed and then straightened-out
- D03D47/23 . . . Thread grippers ([in dummy or gripper shuttles D03J5/06](#)) [N9606]
- D03D47/23B [N: Carrying grippers] [N1110]

- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/23](#)
]
- D03D47/23D [N: Drawing grippers] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/23](#)
]
- D03D47/24 . . by gripper or dummy shuttle (travelling-wave-shed looms [D03D47/26](#); inserting mechanisms for shuttles [D03D49/24](#); gripper or dummy shuttles per se [D03J5/06](#))
- D03D47/25 . . . inserted from only one side of loom [N9606]
- D03D47/26 . . Travelling-wave-shed looms
- D03D47/26A . . . [N: Preparation of weft]
- D03D47/26B . . . [N: Shedding, weft insertion or beat-up mechanisms]
- D03D47/26B2 [N: Weft insertion and beat-up mechanisms]
- D03D47/26B4 [N: Beat-up mechanisms ([D03D47/26B2](#) takes precedence)]
- D03D47/26B6 [N: Weft insertion mechanisms ([D03D47/26B2](#) takes precedence)]
- D03D47/26B8 [N: Shedding mechanisms]
- D03D47/26C . . . [N: Mechanisms for compensating warp tension]
- D03D47/27 . Drive or guide mechanisms for weft inserting [N9606]
- D03D47/27B . . [N: Rapiers] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27B4 . . . [N: Rapier bands] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27B6 . . . [N: Rapier rods] [N1112]
- [N: **WARNING**
Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27E . . [N: Drive mechanisms] [N1112]
- [N: **WARNING**
Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27E2 . . . [N: Details or arrangement of sprocket wheels] [N1112]
- [N: **WARNING**

- Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27F . . [N: Guide mechanisms (for shuttles [D03D49/24](#))] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/27](#)
]
- D03D47/27F2 . . . [N: for pneumatic looms] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also groups [D03D47/27](#) and [D03D49/62](#)
]
- D03D47/28 . wherein the weft itself is projected into the shed
- D03D47/30 . . by gas jet [\[C0702\]](#)
- D03D47/30B . . . [N: Construction of the nozzles] [\[N0607\]](#)
- D03D47/30B2 [N: Main nozzles] [\[N0607\]](#)
- D03D47/30B4 [N: Auxiliary nozzles] [\[N0607\]](#)
- D03D47/30C . . . [N: Air supply systems] [\[N0607\]](#)
- D03D47/30C2 [N: Controlling the air supply] [\[N0607\]](#)
- D03D47/30C2B [N: Controlling of the air supply to the auxiliary nozzles] [\[N0607\]](#) [\[C1110\]](#)
- D03D47/30C2D [N: Weft yarn selection] [\[N1110\]](#)
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also groups [D03D47/30](#), [D03D47/32](#) and [D03D47/38](#)
]
- D03D47/30C4 [N: Arrangements or lay out of air supply systems] [\[N0607\]](#)
- D03D47/30C6 [N: Construction or details of parts, e.g. valves, ducts] [\[N0607\]](#)
- D03D47/30D . . . [N: Control or handling of the weft at or after arrival] [\[N0607\]](#)
- D03D47/30D2 [N: Detection means therefor] [\[N0607\]](#)
- D03D47/30D4 [N: Stretching or holding the weft] [\[N0607\]](#)
- D03D47/30D6 [N: Weft removal (extraction of defective weft after stopping at definite point in weaving cycle [D03D51/08A](#))] [\[N0607\]](#)
- D03D47/30E . . . [N: Displaying data] [\[N0607\]](#)
- D03D47/32 . . by liquid jet
- D03D47/34 . Handling the weft between bulk storage and weft-inserting means
- D03D47/34B . . [N: knot detection] [\[N1110\]](#)
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also groups [D03D47/34](#) and [D03D51/34](#)
]
- D03D47/34D . . [N: Rotating bobbins] [\[N1110\]](#)

- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/34](#)]
]
- D03D47/34F . . [N: Yarn brakes ([D03D47/36B4](#) takes precedence)] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/34](#)]
]
- D03D47/36 . . Measuring and cutting the weft; [N Devices for measuring and temporary storing the weft (cutting weft threads D03D49/70)] [C0607]
- D03D47/36B . . . [N: Drum-type weft feeding devices] [N0607]
- D03D47/36B2 [N: with yarn retaining devices, e.g. stopping pins (D03D47/36B6 takes precedence)] [N0607]
- D03D47/36B2B [N: Construction or control of the yarn retaining devices] [N0611]
- D03D47/36B4 [N: Yarn braking means acting on the drum] [N0607]
- D03D47/36B4B [N: Brushes] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/36B4](#)]
]
- D03D47/36B4D [N: Conical] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/36B4](#)]
]
- D03D47/36B6 [N: Monitoring yarn quantity on the drum] [N0607]
- D03D47/36D . . . [N: Air chamber storage devices] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/36](#)]
]
- D03D47/36E . . . [N: Communication systems] [N1110]
- [N: **WARNING** [N1110]
Not complete pending the completion of a reclassification, see also group [D03D47/36](#)]
]
- D03D47/38 . . Weft pattern mechanisms
- D03D47/39 . wherein cane, straw, slats, material for hair-cloth or similar material is handled [N9606]
- D03D47/40 . Forming selvages
- D03D47/42 . . by knitting or interlacing loops of weft
- D03D47/44 . . . with additional selvedge thread
- D03D47/46 . . by selvedge shuttle or other device passing selvedge thread through loop of weft (by knitting [D03D47/44](#))

- D03D47/48 . . by inserting cut end of weft in next shed, e.g. by tucking, by blowing
- D03D47/50 . . by adhesion

- D03D49/00** **Details or constructional features not peculiar to looms of a particular type** ([temples D03J1/22](#))

- D03D49/02 . Construction of loom framework [N: WARNING This group is in the process of being reorganised to its subgroups]
- D03D49/02B . . [N: Protective hoods or curtains]
- D03D49/02C . . [N: Ground supports] [N0607]
- D03D49/02D . . [N: Arrangements or means for noise reduction] [N0607]

- D03D49/04 . Control of the tension in warp or cloth
- D03D49/06 . . Warp let-off mechanisms ([construction of warp beam D02H](#))
- D03D49/08 . . . Warp beam brakes
- D03D49/10 . . . Driving the warp beam to let the warp off
- D03D49/12 . . Controlling warp tension by means other than let-off mechanisms
- D03D49/14 . . . Compensating for tension differences during shedding
- D03D49/16 . . . Warp supplied by creel
- D03D49/18 . . Devices for indicating warp tension ([measuring tension of threads in general G01L5/04](#))
- D03D49/20 . . Take-up motions; Cloth beams ([storage racks for beams D02H](#))
- D03D49/22 . . Back rests; Lease rods; Brest beams

- D03D49/24 . Mechanisms for inserting shuttle in shed ([shuttles per se D03J5/00](#))
- D03D49/26 . . Picking mechanisms, e.g. for propelling gripper shuttles or dummy shuttles
- D03D49/28 . . . Driving mechanisms for the picker stick
- D03D49/30 operated by cam
- D03D49/32 operated by previously-loaded spring or equivalent
- D03D49/34 operated by liquid or gas pressure
- D03D49/36 . . . Pickers; Arresting means therefor ([check straps D03D49/40](#))
- D03D49/38 . . . Picking sticks; Arresting means therefor ([check straps D03D49/40](#))
- D03D49/40 . . . Check straps; Lug straps; Similar strap components
- D03D49/42 . . whereby the shuttle is propelled by liquid or gas pressure
- D03D49/44 . . whereby the shuttle is propelled by electric or magnetic means
- D03D49/46 . . wherein the shuttle is pushed or pulled positively ([travelling-wave-shed looms D03D47/26](#))
- D03D49/48 . . positioning shuttle in readiness for picking
- D03D49/50 . . Miscellaneous devices or arrangements concerning insertion of weft and not otherwise provided for

- D03D49/52 . Shuttle boxes ([change-boxes D03D43/00](#))
- D03D49/54 . . Braking means; Swells
- D03D49/56 . . . Shuttle relief mechanisms, i.e. reducing shuttle swell pressure before picking
- D03D49/58 . Shuttle guards

- D03D49/60 . Construction or operation of slay
- D03D49/62 . . Reeds mounted on slay
- D03D49/64 . . wherein the slay dwells or moves slowly while the weft is being inserted
- D03D49/66 . . Shuttle races
- D03D49/68 . Reeds or beat-up combs not mounted on the slay ([loose reed stop motion D03D51/42](#))
- D03D49/70 . Devices for cutting weft threads ([cutting weft in looms with automatic weft replenishment D03D45/50](#); [apparatus for slitting fabric D03J1/08](#))
- D03D51/00** **Driving, starting, or stopping arrangements; Automatic stop motions [N: (loom control associated with fabric inspection on the loom D03J1/00G)] [C0607]**
- D03D51/00B . Avoiding starting marks [N: WARNING Not complete, see D03D51/00] [N0607]
- D03D51/00D . [N: Independent drive motors (independent frame drives for dobbies [D03C1/14F](#), for other shedding mechanisms [D03C13/02](#))] [N1110]
 [N: **WARNING** [N1110]
 Not complete pending the completion of a reclassification, see also groups [D03D51/00](#) and [D03D51/02](#)
]
- D03D51/00F . [N: Loom optimisation] [N1110]
 [N: **WARNING** [N1110]
 Not complete pending the completion of a reclassification, see also groups [D03D51/00](#) and [D03D51/02](#)
]
- D03D51/02 . General arrangements of driving mechanism
- D03D51/04 . Manual controls
- D03D51/06 . using particular methods of stopping
- D03D51/08 . . stopping at definite point in weaving cycle, or moving to such point after stopping
- D03D51/08A . . . [N: Extraction of defective weft]
- D03D51/10 . . stopping suddenly
- D03D51/12 . for adjusting speed
- D03D51/14 . for reducing speed temporarily
- D03D51/16 . for varying speed cyclically
- D03D51/18 . Automatic stop motions
- D03D51/20 . . Warp stop motions
- D03D51/22 . . . mechanical
- D03D51/24 wherein droppers are suspended on individual warp threads or small groups

of threads

D03D51/26	. . . .	Detector healds
D03D51/28	. . . .	electrical
D03D51/30	. . . .	wherein droppers are suspended on individual warp threads or small groups of threads
D03D51/32	. . . .	Detector healds
D03D51/34	. . . .	Weft stop motions
D03D51/36	. . . .	Centre weft forks
D03D51/38	. . . .	Side weft forks
D03D51/40	. . . .	Shuttle stop motions
D03D51/42	. . . .	Loose reed mechanisms
D03D51/44	. . . .	acting on defective operation of loom mechanisms
D03D51/46	. . . .	of shedding mechanisms