

ECLA**EUROPEAN CLASSIFICATION****B21L**

MAKING CHAINS (making chains or chain links by casting [B22D25/02](#); chains in general [F16G](#)) [[C0904](#)]

B21L1/00

Making chains or chain links by bending work-pieces of rod, wire, or strip to form links of oval or other simple shape ([B21L3/00](#), [B21L7/00](#) take precedence)

[B21L1/02](#)

- . by bending the ends of the workpieces to abut

[B21L1/04](#)

- . by bending and interconnecting the ends of the workpieces with or without separate jointing members

B21L3/00

Making chains or chain links by bending the chain links or link parts and subsequently welding or soldering the abutting ends ([B21L7/00](#) takes precedence)

[B21L3/02](#)

- . Machines or devices for welding chain links

[B21L3/04](#)

- . . by making use of forge or pressure welding

B21L5/00

Making chains or chain links by working the starting material in such a way that integral, i.e. jointless, chains links are formed

[B21L5/02](#)

- . in such a way that interconnected links are formed

B21L7/00

Making chains or chain links by cutting single loops or loop-parts from coils, assembling the cut parts and subsequently subjecting same to twisting with or without welding

B21L9/00

Making chains or chain links, the links being composed of two or more different parts, e.g. drive chains ([B21L1/04](#), [B21L7/00](#), [B21L11/14](#), [B21L13/00](#) take precedence)

[B21L9/02](#)

- . of roller-chain or other plate-link type

[B21L9/04](#)

- . . Punching or bending the different parts of the chain links

[B21L9/06](#)

- . . Sorting, feeding, assembling, riveting, or finishing parts of chains

[B21L9/06B](#)

- . . . [[N: Assembling or disassembling](#)]

[B21L9/08](#)

- . . Combining the chain links with auxiliary parts, e.g. welding-on wear-resistant parts

B21L11/00

Making chains or chain links of special shape

[B21L11/00B](#)

- . [[N: Making ornamental chains](#) ([B21L11/02](#) to [B21L11/14](#) take precedence; ornamental chains [A44C](#))]

[B21L11/02](#)

- . each link being formed of a single member of which both ends are bent or shaped to engage the middle portions of the next link

[B21L11/04](#)

- . . the ends being pierced or punched to form eyes

B21L11/06	<ul style="list-style-type: none"> . . . the workpiece being of thin strip metal
B21L11/08	<ul style="list-style-type: none"> . . the ends being interengaged with other parts of the same link
B21L11/10	<ul style="list-style-type: none"> . the chain links having opposed correspondingly shaped cylindrical and hook-like parts of which one parts forms a hinge-like support for the adjacent link (B21L11/02 takes precedence)
B21L11/12	<ul style="list-style-type: none"> . forming bead chains
B21L11/14	<ul style="list-style-type: none"> . making chain links with inserted or integrally-formed studs
B21L13/00	Making terminal or intermediate chain links of special shape; making couplings for chains, e.g. swivels, shackles
B21L15/00	Finishing or dressing chains or chain links, e.g. removing burr material, calibrating (B21L9/06 takes precedence)
B21L15/00B	<ul style="list-style-type: none"> . [N: Pre-stretching chains] [N1204]
B21L15/02	<ul style="list-style-type: none"> . Twisting already closed links
B21L19/00	Appurtenances for chain-making not restricted to any particular process
B21L21/00	Tools or implements for repairing chains using metal-working operations. e.g. for detaching deformed chain links
B21L99/00	Subject matter not provided for in other groups of this subclass [N0904]