

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
 - . . . the workpiece being of thin strip metal
- B21L11/08
 - . . the ends being interengaged with other parts of the same link
- B21L11/10
 - . the chain links having opposed correspondingly shaped cylindrical and hook-like parts of which one part forms a hinge-like support for the adjacent link ([B21L11/02](#) takes precedence)
- B21L11/12
 - . forming bead chains
- B21L11/14
 - . 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
 - . [N: Pre-stretching chains] [\[N1204\]](#)
- B21L15/02
 - . 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** [\[N0904\]](#)