

ECLA EUROPEAN CLASSIFICATION

B31C MAKING WOUND ARTICLES, e.g. WOUND TUBES (characteristics relating to the working of plastics B29)

Note

The term "winding" in this subclass means forming two or more complete convolutions.

B31C1/00 Forming paper tubes or pipes by feeding at right angles to the winding mandrel centre line

- B31C1/02 . Machines therefor having additional mandrels
- B31C1/04 . and forming a tube end into a container bottom
- B31C1/06 . and inserting into a tube end a bottom to form a container
- B31C1/08 . Accessories of machines therefor not otherwise provided for
- B31C1/08B . . [N: Winding mandrels]
- B31C1/08B2 . . . [N: expansibles]

B31C3/00 Forming paper tubes or pipes by feeding obliquely to the winding mandrel centre line

- B31C3/02 . and inserting into a tube end a bottom to form a container
- B31C3/04 . Seam processing

B31C5/00 Forming paper tubes or pipes without mandrels

B31C7/00 Forming conical paper articles by winding ([winding blanks B31B](#))

- B31C7/02 . Forming truncated cones
- B31C7/04 . . on two or more mandrels
- B31C7/06 . . . and inserting into a cone end a bottom to form a container
- B31C7/08 . Forming pointed cones
- B31C7/10 . . on two or more mandrels

B31C9/00 Simultaneous forming of cylindrical and conical shapes by winding separate webs, e.g. forming bottles ([winding blanks B31B](#))

B31C11/00 Paper-winding machinery combined with other machinery

- B31C11/02 . for additionally shaping the articles

B31C11/04 . for applying impregnating by coating-substances during the winding

B31C11/06 . for drying the wound and impregnated articles

B31C13/00 **Making wound articles not otherwise provided for**