

Mechanical Drawing: Board & CAD Techniques

Chapter 14 Pattern Development

Chapter Summaries

Section 14.1 Principles of Pattern Development

- Pattern development is used extensively in the packaging industry for many products.
- Pattern development involves drafting a usually full-size drawing for an item that is either folded, rolled, or stamped into its shape using different methods.
- The three main types of pattern development are parallel-line, radial-line, and triangulation.

Section 14.2 Drawing Pattern Developments

- On parallel-line developments, the stretchout line is always straight, while on radial-line development, it is curved. Triangulation developments involve approximating the surface geometry for objects that cannot be precisely patterned.
- Patterns can also be developed for intersections, or combined shapes, such as prisms and cylinders.