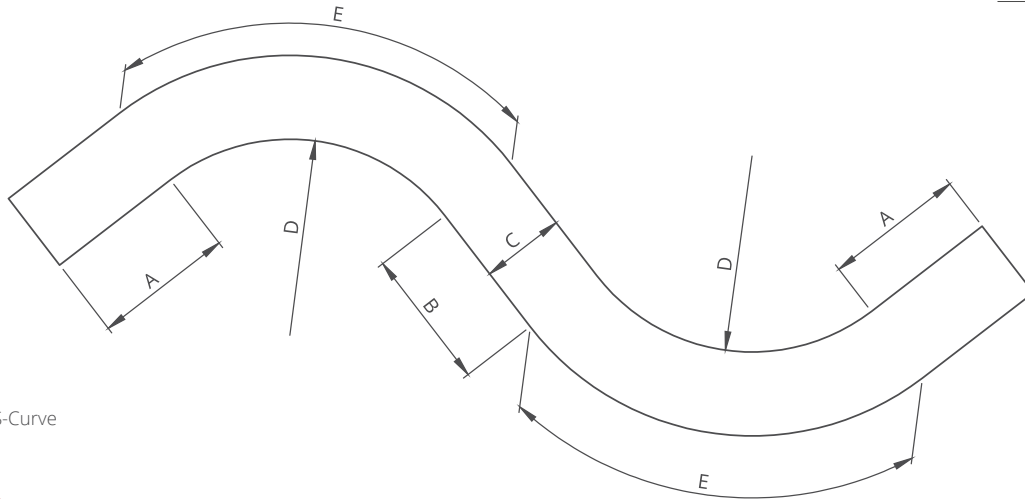
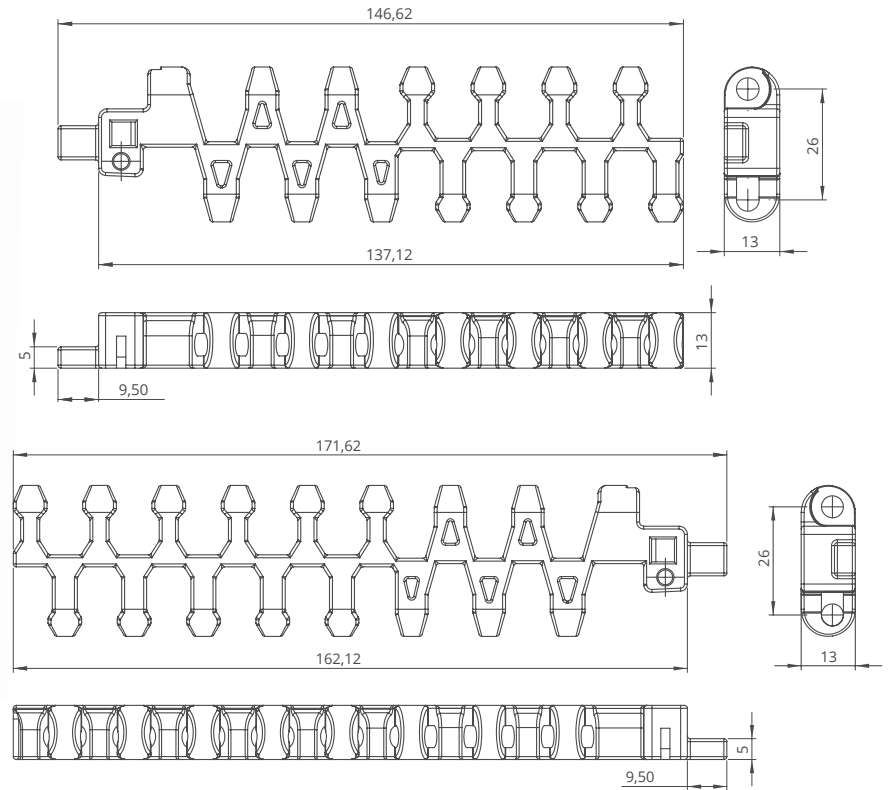




# EC254T R Series Accessories and Technical Specifications

## EC254T R Series / TAB - Technical Specification



Radius Belt Example 90° S-Curve

## EC254T R Series / Radius Belt Calculation

- A: Straight run pull and n = Belt width
- B: Straight run between 2 curves = min. 2 x belt width
- C: Belt width
- D: Minimum inner radius
- E: Curve length

$$\text{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

$$\text{Minimum inner radius} = \text{Collapse Factor} \times \text{Belt width}$$

### CALCULATION EXAMPLE

Belt width: 500 mm Radius Belt  
Collapse Factor: 1.55

$$D: 500 \text{ mm} \times 1.55 = 775 \text{ mm}$$

$$A: 500 \text{ mm}$$

$$B: 2 \times 500 \text{ mm} = 1000 \text{ mm (min.)}$$

$$E: \frac{2 \times (C+D) \times 3.14}{4} = 2016 \text{ mm}$$

$$\text{Total length} = (2 \times A) + B + (2 \times E)$$