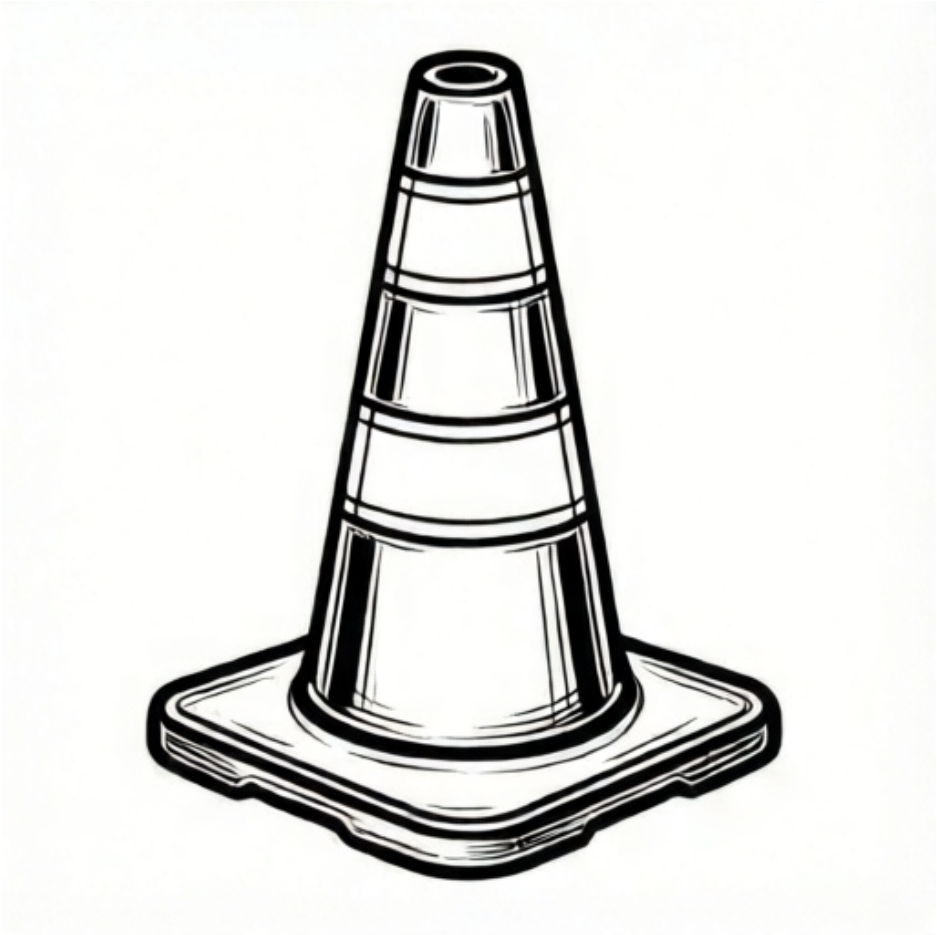
Construction Cone Drawing: Taper, Bands, and Square Base

Ordinary topic reference / separately checked pixels



Construction Cone Drawing: Taper, Bands, and Square Base

Original worked example / unchanged complete key

Prompt: Draw a front-view construction cone with height 10 units, base width 6 units, top width 2 units, and two bands centered at 30 percent and 60 percent of the height. Use band thickness 1 unit.

Answer: Mark baseline and center line. Mark height 10. Mark base width 6 centered, so each side is 3 units from center. Mark top width 2 centered, so each side is 1 unit from center. Connect sides to form the trapezoid. Add a shallow base rectangle of width 6 and depth 2. Lower band center is 3 units above baseline; upper band center is 6 units above baseline. Draw band edges 0.5 units above and below each center and trim to the sloping sides. Check: height divided by base width is 10 divided by 6, about 1.67; top divided by base is 2 divided by 6, about 0.33; band fractions are 0.3 and 0.6.