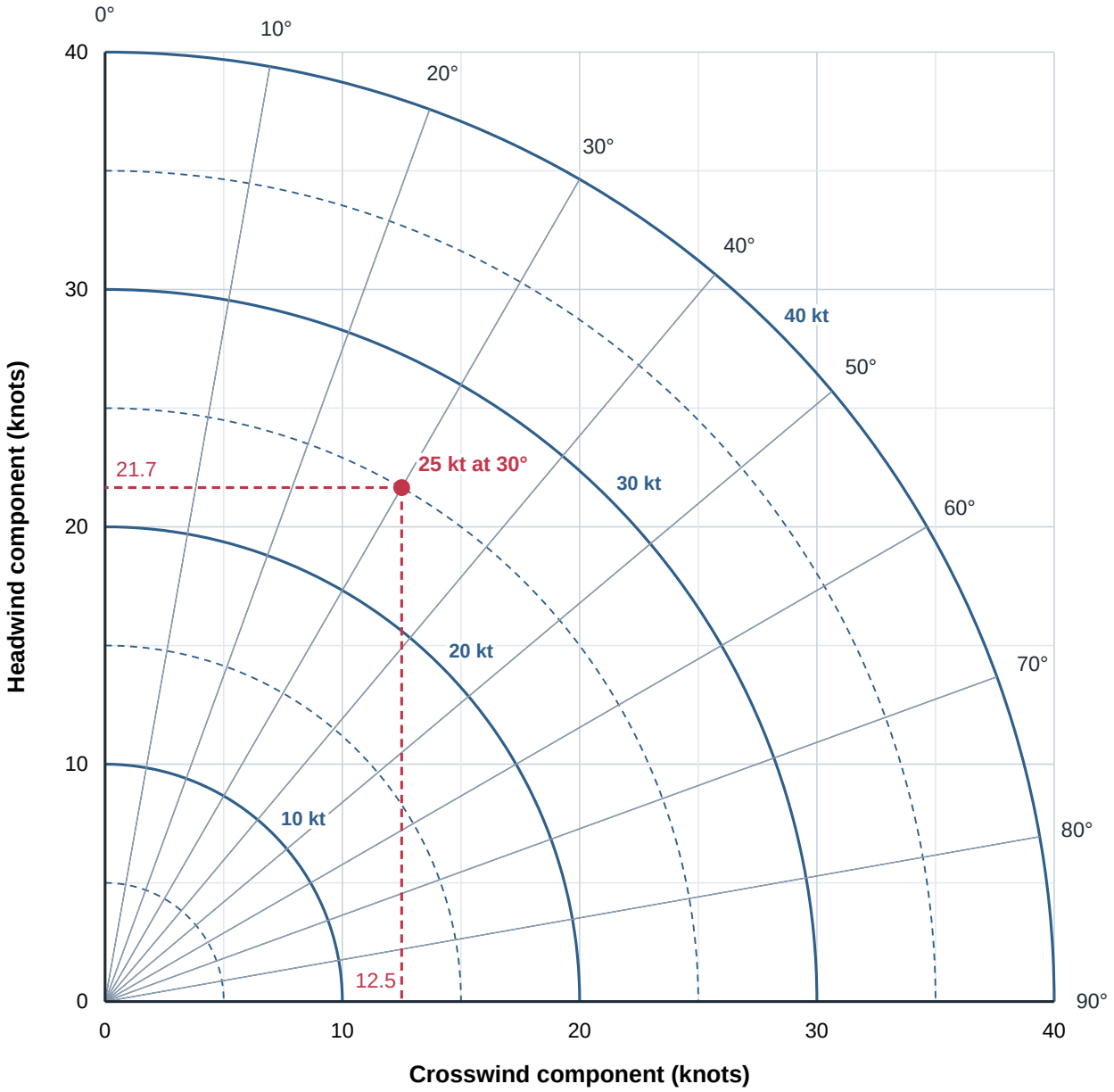
Crosswind component chart

Follow the angle between the wind and the runway out to the wind speed, then read the crosswind straight down and the headwind straight across.



Example (FAA Pilot's Handbook, sample problem 10): runway 17, wind 140° at 25 knots is a 30° angle: crosswind 12.5 kt, headwind 21.7 kt.

Crosswind = wind speed × sin(angle) · headwind = wind speed × cos(angle) · e6bcalculator.com/crosswind-component-chart