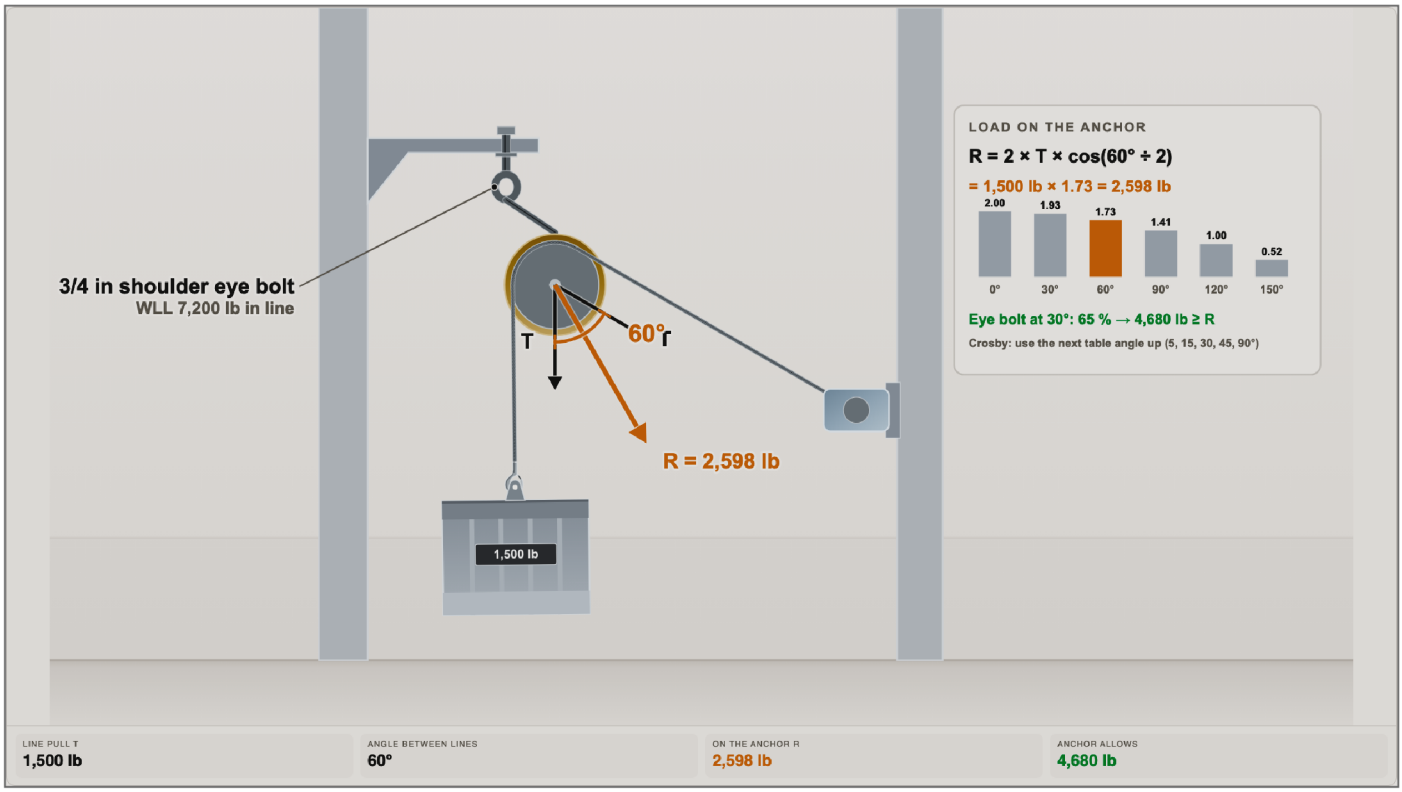
CREWFORGE · SIMULATOR-LESSON SUMMARY · BEAM CLAMPS AND ANCHORS

Beam clamps, trolleys and anchor points



- Clamp and trolley: the flange must be inside the maker's range (2 t UBC: 3.00–7.50 in, ≤ 0.83 in thick).
- Support rated ≥ the hoist's capacity (WorkSafeBC 14.11(1)). Beam clamps: vertical lifts only, no side pull.
- Four-wheel trolley: each wheel carries a quarter of the load. End stops at both ends (WorkSafeBC 14.20).
- Snatch block anchor: R = 2 × T × cos(angle ÷ 2). 0° → 2.00, 60° → 1.73, 90° → 1.41, 120° → 1.00.
- Shoulder eye bolt at an angle: WLL × the maker's factor (Crosby: 15° 80 %, 30° 65 %, 45° 30 %, 90° 25 %). Plain eye bolts: in line only.
- Beams and concrete anchors: only the engineer's value, in the direction checked. Softeners on sharp edges.

Exam prep, not a procedure: on the job, check the tag, the manufacturer's data and the lift plan. Check your province's rules. Practice at crewforge.ca.