



Oregon Occupational Safety & Health Division Technical Guidance

DATE: July 18, 2016

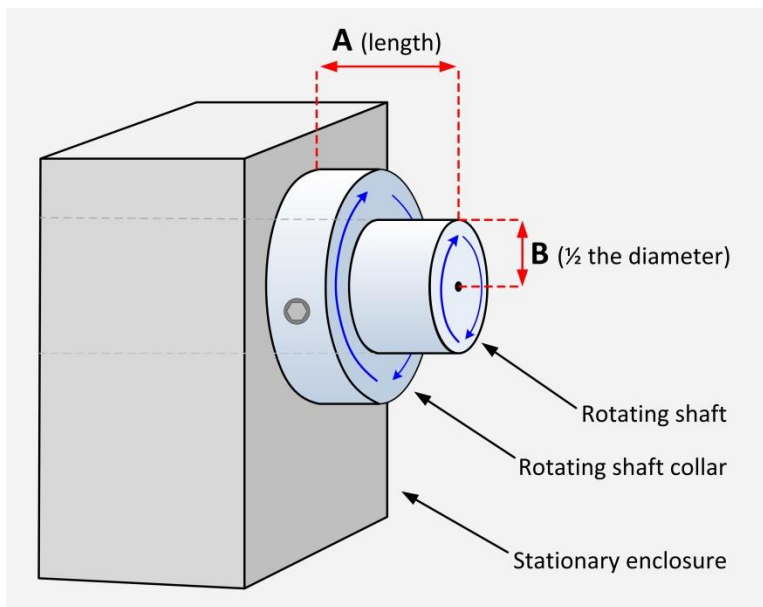
TO: All Oregon OSHA Staff

FROM: Peggy Munsell, Standards & Appeals Manager

SUBJECT: Division 2, Subdivision O, 1910.219(c)(4)(i) Mechanical Power-Transmission Apparatus: Measurement of unguarded, rotating, shaft ends.

Question: When measuring a protruding mechanical power-transmission shaft, is the portion located under the collar included?

Answer: Yes. When measuring the projecting length of an unguarded shaft, include the portion of the shaft that passes through the collar that rotates with the shaft. Measure from the end of the shaft back to the closest stationary enclosure the shaft passes through.



Scenario #1:

A is equal to or less than **B**
Result: [In compliance]

Scenario #2:

A is greater than **B**
Result: [Out of compliance]

In Compliance:

Projecting shaft ends must not project more than one-half of the shaft's diameter unless guarded by non-rotating caps or safety sleeves.