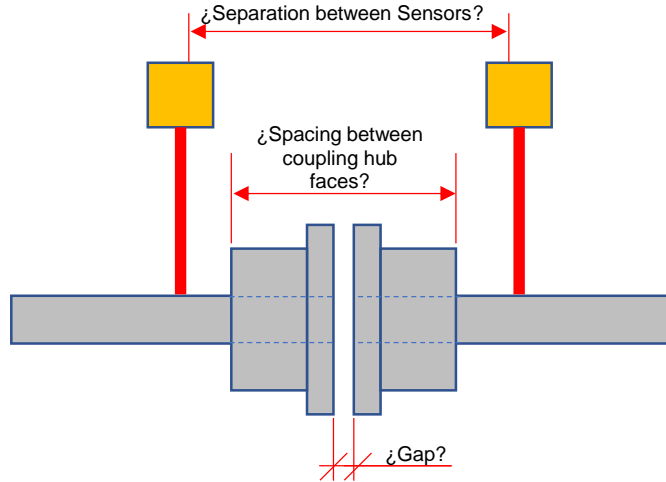


Standard query ANSI/ASA S2.75:

According to the ANSI/ASA S2.75 standard, it indicates that it applies to a mechanical coupling (CML), but in the case of a gear coupling where there is no mechanical coupling (CML), does the standard also apply or not? If so, what would be the span in the coupling: the gap (separation between the faces of the shafts)? or the separation between the faces of the coupling hubs? or the separation between the sensors in the case of using laser alignment?



Please help me to apply the formula:

ANSI/ASA S2.75-2017/Part 1

Three acceptance levels are described as Minimal AL4.5, Standard AL2.2 and Precision AL1.2. The tolerance angle T is the maximum angle in units of Offset/Span (mils/inch or mm/m) at each flex plane, and is calculated as:

$$T = \frac{AL}{\sqrt{\frac{RPM}{1000} + 1}} \frac{\mu\text{m offset (mils offset)}}{\text{mm span (inch span)}}$$

Where: AL is the selected Alignment Quality Grade, and

RPM is the maximum machine operating rotating speed

