

Material: Titanium 6AL-4V E = 16 x  $10^6$  PSI K<sub>IC</sub> = 60.0 KSI  $\sqrt{in.}$ Sy = 130.0 KSI Crack Depth = 0.3 in.

Considering this as an edge crack in pure bending, what is the factor of safety for the crack not unzipping?

Don't forget to check for yielding.