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in ANSYS Workbench Stress Concentration Marin Factors | Corrected  
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size and are related only to the ratio  $\sigma/\sigma_0$  of the geometric dimensions to the loads  $\sigma$ . Fatigue is a size dependant phenomena. How do you put the two together? ... Peterson's Equation.

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During the design phase, there are multiple approaches to estimating stress concentration factors. Several catalogs of stress concentration factors have been published. Perhaps most famous is Stress Concentration Design Factors by Peterson, first published in 1953. Finite element methods are commonly used in design today.

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