NOTES: Factor of safety

LET'S DESIGN A LINK

WHAT THINGS AFFECT WHETHER OR NOT THE LINK FAILS?

HOW __________ WOULD YOU SAY MANY OF THESE THINGS ARE?

○ ○
KEY IDEA: FOS ___ ___

Let's assume our link will fail by fracture at an ultimate tensile strength of 90 ksi.

For a FOS = ___, what stress should the link be designed for?

a. 90 ksi  

b. 30 ksi  

c. 270 ksi  

d. Schifty-Five

¿ What FOS to use?

Structural Stuff →

Aircraft →

¿ Why not make FOS = ___?

¿ Where do you get guidelines for FOS?

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