

Flat Spring Design Guide

Flat Spring Design Guide - required to do the majority of spring design work today. Special springs such as irregular-shaped flat springs and other nonstandard forms are calculated using the standard beam equations and column equations found in other sections of the handbook, or they must be analyzed using involved stress calculations or prototypes made and tested for properDesign of Flat Strip Springs. ... The only obstacle to strip design is the imagination of the designer, and the practical limitations of manufacture. ... also the complexities of many of the equations fall outside the bounds of this Guide. When designing a strip component it is good practice to ask the advice of a spring designer. The spring manufacturer will need to know the space, approximate spring load, and environment that the flat spring will work in, in order to assist with the flat spring design. Additional information the spring manufacturer may need to know about your flat spring design, is the direction the flat spring will bend. Flat spring design FEA mirelavus (Mechanical) (OP) 19 Jan 10 13:42. Hi all, I am new to the forum and I have a problem to solve in FEA. I am starting using it since last week and my hand calculation is not giving the same answer with FEA.