

Target force

Target-force loading is a [nonlinear](#)-static or [staged-construction](#) application in which [cable](#) tension is specified, then deformation load is iteratively applied until that target tension is achieved. If a scale factor is applied to the [load pattern](#) which contains a target-force load, the target force will also be scaled. Since tension may vary along the length of a cable, the relative location of target tension must also be specified. Tension may exist in a cable before analysis begins, therefore iterative displacement may be positive or negative. A cable will then exhibit the target force at the end of the [load case](#) or construction stage.

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