



### Key Features

Four spring steel columns 15cm long 5mm × 1cm in cross section are made and put along a vertical wooden board. These four columns have got different end conditions as below :

- Both ends pinned,
- Both ends fixed,
- One end pinned and other fixed
- One end fixed and other end free.

Load may be applied at the top of these columns increasing gradually. At certain stage of loading the columns show abnormal deflections and gives the buckling load. Deflected shapes of the columns may also be traced over the paper fixed on wooden board. Points of deflection can easily be located on the trace. This will give a clear picture of the equivalent length of different types of columns. Load causing buckling can be measured in each case, which will illustrate the importance of types of end supports on load bearing capacity of the columns. The results can be compared with theoretical calculations.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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