

Load Type	Distribution
Element Temperature	Linear thru thickness, linear along length
Nodal Temperature	Constant thru thickness, linear along length
Pressure	Linear along length

14.54.1 Derivation of Matrices

All matrices and load vectors are derived in the same way as for BEAM44, the 3-D Elastic Tapered Unsymmetrical Beam Element, except that they are reduced to 2-D. Further, the same assumptions and restrictions apply.