

## A Review on Bearing Capacity Factor $N_\gamma$ of Foundations with Different Shapes

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**Abstract :** So far several methods by different researchers have been developed in order to calculate the bearing capacity factors of foundations and retaining walls. In this paper, the bearing capacity factor  $N_\gamma$  (shape factor) for different types of foundation have been investigated. The formula for bearing capacity on  $c-\phi-\gamma$  soil can still be expressed by Terzaghi's equation except that the bearing capacity factor  $N_\gamma$  depends on the surcharge ratio, and friction angle  $\phi$ . Many empirical definitions have been used for measurement of the bearing capacity factors  $N$

**Keywords :** bearing capacity, bearing capacity factor  $N_\gamma$ , irregular foundations, shape factor

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