# Important Bearing Capacity of Soil by Terzaghi's Analysis Formulas PDF

**Formulas**
**Examples**
**with Units**

## List of 31
## Important Bearing Capacity of Soil by Terzaghi's Analysis Formulas

### 1) Angle of Shearing Resistance given Weight of Wedge Formula

Evaluate Formula

Formula

$$\varphi = atan\left(\frac{W_{we} \cdot 4}{\gamma \cdot (B)^2}\right)$$

Example with Units

$$82.5734° = atan\left(\frac{138.09\,\text{kN} \cdot 4}{18\,\text{kN/m}^3 \cdot (2\,\text{m})^2}\right)$$

### 2) Cohesion of Soil given Loading Intensity by Terzaghi's Analysis Formula

Evaluate Formula

Formula

$$C = \frac{q - \left(\left(\frac{2 \cdot P_p}{B}\right) - \left(\frac{\gamma \cdot B \cdot \tan\left(\frac{\varphi \cdot \pi}{180}\right)}{4}\right)\right)}{\tan\left(\frac{\varphi \cdot \pi}{180}\right)}$$

Example with Units

$$4.2301\,\text{kPa} = \frac{26.8\,\text{kPa} - \left(\left(\frac{2 \cdot 26.92\,\text{kPa}}{2\,\text{m}}\right) - \left(\frac{18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot \tan\left(\frac{82.57° \cdot 3.1416}{180}\right)}{4}\right)\right)}{\tan\left(\frac{82.57° \cdot 3.1416}{180}\right)}$$

### 3) Downward Force on Wedge Formula

Evaluate Formula

Formula

$$R_v = q \cdot B + \left(\frac{\gamma \cdot B^2 \cdot \tan(\varphi) \cdot \left(\frac{\pi}{180}\right)}{4}\right)$$

Example with Units

$$56.009\,\text{kN} = 26.8\,\text{kPa} \cdot 2\,\text{m} + \left(\frac{18\,\text{kN/m}^3 \cdot 2\,\text{m}^2 \cdot \tan(82.57°) \cdot \left(\frac{3.1416}{180}\right)}{4}\right)$$

## 4) Loading Intensity using Bearing Capacity Factors Formula

Evaluate Formula

Formula

$$q_b = \left( C \cdot N_c \right) + \left( \sigma_s \cdot N_q \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \right)$$

Example with Units

$$129.2229\,\text{kPa} = \left( 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 45.9\,\text{kN/m}^2 \cdot 2.01 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \right)$$

## 5) Unit Weight of Soil given Weight of Wedge and Width of Footing Formula

Evaluate Formula

Formula

$$\gamma = \frac{W_{we} \cdot 4}{\tan\left( \left( \varphi \right) \right) \cdot \left( B \right)^2}$$

Example with Units

$$18.0083\,\text{kN/m}^3 = \frac{138.09\,\text{kN} \cdot 4}{\tan\left( \left( 82.57° \right) \right) \cdot \left( 2\,\text{m} \right)^2}$$

## 6) Weight of Wedge given Width of Footing Formula

Evaluate Formula

Formula

$$W_{we} = \frac{\tan\left( \varphi \right) \cdot \gamma \cdot \left( B \right)^2}{4}$$

Example with Units

$$138.0264\,\text{kN} = \frac{\tan\left( 82.57° \right) \cdot 18\,\text{kN/m}^3 \cdot \left( 2\,\text{m} \right)^2}{4}$$

## 7) Width of Footing given Load Intensity Formula

Evaluate Formula

Formula

$$B = \frac{-q + \sqrt{\left( q \right)^2 + R_v \cdot \gamma \cdot \tan\left( \varphi \right)}}{\frac{\gamma \cdot \tan\left( \varphi \right)}{2}}$$

Example with Units

$$0.9446\,\text{m} = \frac{-26.8\,\text{kPa} + \sqrt{\left( 26.8\,\text{kPa} \right)^2 + 56.109\,\text{kN} \cdot 18\,\text{kN/m}^3 \cdot \tan\left( 82.57° \right)}}{\frac{18\,\text{kN/m}^3 \cdot \tan\left( 82.57° \right)}{2}}$$

## 8) Width of Footing given Weight of Wedge Formula

Evaluate Formula

Formula

$$B = \sqrt{\frac{W \cdot 4}{\tan\left( \frac{\varphi \cdot \pi}{180} \right) \cdot \gamma}}$$

Example with Units

$$0.2974\,\text{m} = \sqrt{\frac{10.01\,\text{kg} \cdot 4}{\tan\left( \frac{82.57° \cdot 3.1416}{180} \right) \cdot 18\,\text{kN/m}^3}}$$

# 9) Specialization of Terzaghi's Equations Formulas

## 9.1) Bearing Capacity depending on Shape Factors Formula

Evaluate Formula

Formula

$$q_s = (s_c \cdot C \cdot N_c) + (\sigma_s \cdot N_q) + (0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma)$$

Example with Units

$$152.2176\,\text{kPa} = (1.7 \cdot 4.23\,\text{kPa} \cdot 1.93) + (45.9\,\text{kN/m}^2 \cdot 2.01) + (0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1.60)$$

## 9.2) Bearing Capacity Factor Dependent on Cohesion Formula

Evaluate Formula

Formula

$$N_c = \frac{q_f - ((\sigma' \cdot N_q) + (0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma))}{s_c \cdot C}$$

Example with Units

$$1.933 = \frac{60\,\text{kPa} - ((10.0\,\text{Pa} \cdot 2.01) + (0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1.60))}{1.7 \cdot 4.23\,\text{kPa}}$$

## 9.3) Bearing Capacity Factor Dependent on Unit Weight Formula

Evaluate Formula

Formula

$$N_\gamma = \frac{q_f - ((s_c \cdot C \cdot N_c) + (\sigma' \cdot N_q))}{0.5 \cdot B \cdot \gamma \cdot s_\gamma}$$

Example with Units

$$1.6007 = \frac{60\,\text{kPa} - ((1.7 \cdot 4.23\,\text{kPa} \cdot 1.93) + (10.0\,\text{Pa} \cdot 2.01))}{0.5 \cdot 2\,\text{m} \cdot 18\,\text{kN/m}^3 \cdot 1.60}$$

## 9.4) Bearing Capacity for Round Footing Formula

Evaluate Formula

Formula

$$q_{round} = (1.3 \cdot C \cdot N_c) + (\sigma' \cdot N_q) + (0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.6)$$

Example with Units

$$27.9132\,\text{kPa} = (1.3 \cdot 4.23\,\text{kPa} \cdot 1.93) + (10.0\,\text{Pa} \cdot 2.01) + (0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.6)$$

## 9.5) Bearing Capacity for Square Footing Formula

Evaluate Formula

Formula

$$q_{square} = (1.3 \cdot C \cdot N_c) + (\sigma' \cdot N_q) + (0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.8)$$

Example with Units

$$33.6732\,\text{kPa} = (1.3 \cdot 4.23\,\text{kPa} \cdot 1.93) + (10.0\,\text{Pa} \cdot 2.01) + (0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.8)$$

## 9.6) Bearing Capacity for Strip Footing Formula

Evaluate Formula

**Formula**

$$q_{strip} = \left(C \cdot N_c\right) + \left(\sigma' \cdot N_q\right) + \left(0.5 \cdot \gamma \cdot B \cdot N_\gamma\right)$$

**Example with Units**

$$36.984\,\text{kPa} = \left(4.23\,\text{kPa} \cdot 1.93\right) + \left(10.0\,\text{Pa} \cdot 2.01\right) + \left(0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6\right)$$

## 9.7) Cohesion of Soil depending on Shape Factors Formula

Evaluate Formula

**Formula**

$$C = \frac{q_f - \left(\left(\sigma' \cdot N_q\right) + \left(0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma\right)\right)}{s_c \cdot N_c}$$

**Example with Units**

$$4.2365\,\text{kPa} = \frac{60\,\text{kPa} - \left(\left(10.0\,\text{Pa} \cdot 2.01\right) + \left(0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1.60\right)\right)}{1.7 \cdot 1.93}$$

## 9.8) Cohesion of Soil given Round Footing and Bearing Capacity Formula

Evaluate Formula

**Formula**

$$C_r = \frac{q_f - \left(\left(\sigma' \cdot N_q\right) + \left(0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.6\right)\right)}{1.3 \cdot N_c}$$

**Example with Units**

$$17.0187\,\text{kPa} = \frac{60\,\text{kPa} - \left(\left(10.0\,\text{Pa} \cdot 2.01\right) + \left(0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.6\right)\right)}{1.3 \cdot 1.93}$$

## 9.9) Cohesion of Soil given Square Footing and Bearing Capacity Formula

Evaluate Formula

**Formula**

$$C_{sq} = \frac{q_f - \left(\left(\sigma' \cdot N_q\right) + \left(0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.8\right)\right)}{1.3 \cdot N_c}$$

**Example with Units**

$$14.723\,\text{kPa} = \frac{60\,\text{kPa} - \left(\left(10.0\,\text{Pa} \cdot 2.01\right) + \left(0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.8\right)\right)}{1.3 \cdot 1.93}$$

## 9.10) Cohesion of Soil given Strip Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$C_{st} = \frac{q_f - \left( \left( \sigma' \cdot N_q \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 1 \right) \right)}{1 \cdot N_c}$$

Example with Units

$$16.1554\,\text{kPa} = \frac{60\,\text{kPa} - \left( \left( 10.0\,\text{Pa} \cdot 2.01 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1 \right) \right)}{1 \cdot 1.93}$$

## 9.11) Effective Surcharge given Round Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\sigma_{round} = \frac{q_f - \left( \left( 1.3 \cdot C \cdot N_c \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.6 \right) \right)}{N_q}$$

Example with Units

$$15.9736\,\text{kN/m}^2 = \frac{60\,\text{kPa} - \left( \left( 1.3 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.6 \right) \right)}{2.01}$$

## 9.12) Effective Surcharge given Square Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\sigma_{square} = \frac{q_f - \left( \left( 1.3 \cdot C \cdot N_c \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 0.8 \right) \right)}{N_q}$$

Example with Units

$$13.1079\,\text{kN/m}^2 = \frac{60\,\text{kPa} - \left( \left( 1.3 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 0.8 \right) \right)}{2.01}$$

## 9.13) Effective Surcharge given Strip Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\sigma_{strip} = \frac{q_f - \left( \left( 1 \cdot C \cdot N_c \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot 1 \right) \right)}{N_q}$$

Example with Units

$$11.4607\,\text{kN/m}^2 = \frac{60\,\text{kPa} - \left( \left( 1 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1 \right) \right)}{2.01}$$

## 9.14) Shape Factor Dependent on Cohesion Formula

Evaluate Formula

Formula

$$s_c = \frac{q_f - \left( \left( \sigma' \cdot N_q \right) + \left( 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma \right) \right)}{N_c \cdot C}$$

Example with Units

$$1.7026 = \frac{60\,\text{kPa} - \left( \left( 10.0\,\text{Pa} \cdot 2.01 \right) + \left( 0.5 \cdot 18\,\text{kN/m}^3 \cdot 2\,\text{m} \cdot 1.6 \cdot 1.60 \right) \right)}{1.93 \cdot 4.23\,\text{kPa}}$$

## 9.15) Shape Factor Dependent on Unit Weight Formula

Evaluate Formula

Formula

$$s_\gamma = \frac{q_f - \left( \left( s_c \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot B \cdot \gamma \cdot N_\gamma}$$

Example with Units

$$1.6007 = \frac{60\,\text{kPa} - \left( \left( 1.7 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 10.0\,\text{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 2\,\text{m} \cdot 18\,\text{kN/m}^3 \cdot 1.6}$$

## 9.16) Unit Weight of Soil given Round Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\gamma = \frac{q_s - \left( \left( 1.3 \cdot C_r \cdot N_c \right) + \left( \sigma_{round} \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot B_{round} \cdot 0.6}$$

Example with Units

$$13.173\,\text{kN/m}^3 = \frac{110.819\,\text{kPa} - \left( \left( 1.3 \cdot 17.01\,\text{kPa} \cdot 1.93 \right) + \left( 15.97\,\text{kN/m}^2 \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 5.7\,\text{m} \cdot 0.6}$$

## 9.17) Unit Weight of Soil given Shape Factor Formula

Evaluate Formula

Formula

$$\gamma = \frac{q_f - \left( \left( s_c \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot B \cdot s_\gamma}$$

Example with Units

$$18.0083\,\text{kN/m}^3 = \frac{60\,\text{kPa} - \left( \left( 1.7 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 10.0\,\text{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 2\,\text{m} \cdot 1.60}$$

## 9.18) Unit Weight of Soil given Square Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\gamma = \frac{q_s - \left( \left( 1.3 \cdot C_{sq} \cdot N_c \right) + \left( \sigma_{square} \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot B_{square} \cdot 0.8}$$

Example with Units

$$17.3611\,\text{kN/m}^3 = \frac{110.819\,\text{kPa} - \left( \left( 1.3 \cdot 14.72\,\text{kPa} \cdot 1.93 \right) + \left( 13.10\,\text{kN/m}^2 \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 4.28\,\text{m} \cdot 0.8}$$

## 9.19) Unit Weight of Soil given Strip Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$\gamma = \frac{q_s - \left( \left( 1 \cdot C_{st} \cdot N_c \right) + \left( \sigma_{strip} \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot B_{strip} \cdot 1}$$

Example with Units

$$19.7127\,\text{kN/m}^3 = \frac{110.819\,\text{kPa} - \left( \left( 1 \cdot 16.15\,\text{kPa} \cdot 1.93 \right) + \left( 11.46\,\text{kN/m}^2 \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 3.59\,\text{m} \cdot 1}$$

## 9.20) Width of Footing given Round Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$B_{round} = \frac{q_f - \left( \left( 1.3 \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot \gamma \cdot 0.6}$$

Example with Units

$$5.7138\,\text{m} = \frac{60\,\text{kPa} - \left( \left( 1.3 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 10.0\,\text{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 18\,\text{kN/m}^3 \cdot 0.6}$$

## 9.21) Width of Footing given Shape Factor Formula

Evaluate Formula

Formula

$$B = \frac{q_f - \left( \left( s_c \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot \gamma \cdot s_\gamma}$$

Example with Units

$$2.0009\,\text{m} = \frac{60\,\text{kPa} - \left( \left( 1.7 \cdot 4.23\,\text{kPa} \cdot 1.93 \right) + \left( 10.0\,\text{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 18\,\text{kN/m}^3 \cdot 1.60}$$

## 9.22) Width of Footing given Square Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$B_{square} = \frac{q_f - \left( \left( 1.3 \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot \gamma \cdot 0.8}$$

Example with Units

$$4.2853\,\mathrm{m} = \frac{60\,\mathrm{kPa} - \left( \left( 1.3 \cdot 4.23\,\mathrm{kPa} \cdot 1.93 \right) + \left( 10.0\,\mathrm{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 18\,\mathrm{kN/m^3} \cdot 0.8}$$

## 9.23) Width of Footing given Strip Footing and Bearing Capacity Formula

Evaluate Formula

Formula

$$B_{strip} = \frac{q_f - \left( \left( 1 \cdot C \cdot N_c \right) + \left( \sigma' \cdot N_q \right) \right)}{0.5 \cdot N_\gamma \cdot \gamma \cdot 1}$$

Example with Units

$$3.5983\,\mathrm{m} = \frac{60\,\mathrm{kPa} - \left( \left( 1 \cdot 4.23\,\mathrm{kPa} \cdot 1.93 \right) + \left( 10.0\,\mathrm{Pa} \cdot 2.01 \right) \right)}{0.5 \cdot 1.6 \cdot 18\,\mathrm{kN/m^3} \cdot 1}$$

## Variables used in list of Bearing Capacity of Soil by Terzaghi's Analysis Formulas above

- **B** Width of Footing *(Meter)*
- **$B_{round}$** Width of Footing for Round Footing *(Meter)*
- **$B_{square}$** Width of Footing for Square Footing *(Meter)*
- **$B_{strip}$** Width of Footing for Strip Footing *(Meter)*
- **C** Cohesion *(Kilopascal)*
- **$C_r$** Cohesion of Soil given Round Footing *(Kilopascal)*
- **$C_{sq}$** Cohesion of Soil given Square Footing *(Kilopascal)*
- **$C_{st}$** Cohesion of Soil given Strip Footing *(Kilopascal)*
- **$N_c$** Bearing Capacity Factor dependent on Cohesion
- **$N_q$** Bearing Capacity Factor dependent on Surcharge
- **$N_γ$** Bearing Capacity Factor dependent on Unit Weight
- **$P_p$** Passive Earth Pressure *(Kilopascal)*
- **q** Load Intensity *(Kilopascal)*
- **$q_b$** Loading Intensity with Bearing Capacity Factors *(Kilopascal)*
- **$q_f$** Ultimate Bearing Capacity *(Kilopascal)*
- **$q_{round}$** Bearing Capacity for Round Footing *(Kilopascal)*
- **$q_s$** Bearing Capacity *(Kilopascal)*
- **$q_{square}$** Bearing Capacity for Square Footing *(Kilopascal)*
- **$q_{strip}$** Bearing Capacity for Strip Footing *(Kilopascal)*
- **$R_v$** Total Downward Force in Soil *(Kilonewton)*
- **$s_c$** Shape Factor dependent on Cohesion
- **$s_γ$** Shape Factor Dependent on Unit Weight

## Constants, Functions, Measurements used in list of Bearing Capacity of Soil by Terzaghi's Analysis Formulas above

- constant(s): **pi**, 3.14159265358979323846264338327950288 *Archimedes' constant*
- Functions: **atan**, atan(Number) *Inverse tan is used to calculate the angle by applying the tangent ratio of the angle, which is the opposite side divided by the adjacent side of the right triangle.*
- Functions: **sqrt**, sqrt(Number) *A square root function is a function that takes a non-negative number as an input and returns the square root of the given input number.*
- Functions: **tan**, tan(Angle) *The tangent of an angle is a trigonometric ratio of the length of the side opposite an angle to the length of the side adjacent to an angle in a right triangle.*
- Measurement: **Length** in Meter (m) *Length Unit Conversion*
- Measurement: **Weight** in Kilogram (kg) *Weight Unit Conversion*
- Measurement: **Pressure** in Kilopascal (kPa), Kilonewton per Square Meter (kN/m²), Pascal (Pa) *Pressure Unit Conversion*
- Measurement: **Force** in Kilonewton (kN) *Force Unit Conversion*
- Measurement: **Angle** in Degree (°) *Angle Unit Conversion*
- Measurement: **Specific Weight** in Kilonewton per Cubic Meter (kN/m³) *Specific Weight Unit Conversion*

- **W** Weight of Wedge *(Kilogram)*
- **$W_{we}$** Weight of Wedge in Kilonewton *(Kilonewton)*
- **γ** Unit Weight of Soil *(Kilonewton per Cubic Meter)*
- **σ'** Effective Surcharge *(Pascal)*
- **$\sigma_{round}$** Effective Surcharge given Round Footing *(Kilonewton per Square Meter)*
- **$\sigma_s$** Effective Surcharge (KN/m2) *(Kilonewton per Square Meter)*
- **$\sigma_{square}$** Effective Surcharge given Square Footing *(Kilonewton per Square Meter)*
- **$\sigma_{strip}$** Effective Surcharge given Strip Footing *(Kilonewton per Square Meter)*
- **φ** Angle of Shearing Resistance *(Degree)*

## Download other Important Geotechnical Engineering PDFs

- Important Bearing Capacity for Strip Footing for C Φ Soils Formulas
- Important Bearing Capacity of Cohesive Soil Formulas
- Important Bearing Capacity of Non cohesive Soil Formulas
- Important Bearing Capacity of Soils Formulas
- Important Bearing Capacity of Soils by Meyerhof's Analysis Formulas
- Important Foundation Stability Analysis Formulas
- Important Atterberg Limits Formulas
- Important Bearing Capacity of Soil by Terzaghi's Analysis Formulas
- Important Compaction of Soil Formulas
- Important Earth Moving Formulas
- Important Lateral Pressure for Cohesive and Non Cohesive Soil Formulas
- Important Minimum Depth of Foundation by Rankine's Analysis Formulas
- Important Pile Foundations Formulas
- Important Porosity of Soil Sample Formulas
- Important Scraper Production Formulas
- Important Seepage Analysis Formulas
- Important Slope Stability Analysis using Bishops Method Formulas
- Important Slope Stability Analysis using Culman's Method Formulas
- Important Soil Origin and Its Properties Formulas
- Important Specific Gravity of Soil Formulas
- Important Stability Analysis of Infinite Slopes Formulas
- Important Stability Analysis of Infinite Slopes in Prism Formulas
- Important Vibration Control in Blasting Formulas
- Important Void Ratio of Soil Sample Formulas
- Important Water Content of Soil and Related Formulas

## Try our Unique Visual Calculators

- Percentage change
- LCM of two numbers
- Proper fraction

*9/18/2024 | 11:44:10 AM UTC*