
calculatoratoz.com

unitsconverters.com

## Design of Helical Gears Formulas

Widest Coverage of Calculators and Growing-30,000+ Calculators! Calculate With a Different Unit for Each Variable - In built Unit Conversion! Widest Collection of Measurements and Units - 250+ Measurements!

Feel free to SHARE this document with your friends!

Please leave your feedback here...

## List of 55 Design of Helical Gears Formulas

## Design of Helical Gears ©

## Core Design Parameters

1) Actual Number of Teeth on Gear given Virtual Number of Teeth
$f \mathbf{x} z=(\cos (\psi))^{3} \cdot z^{\prime}$
Open Calculator ©
ex $40.19952=\left(\cos \left(25^{\circ}\right)\right)^{3} \cdot 54$
2) Addendum Circle Diameter of Gear $\checkmark$
$f \mathrm{f} \mathrm{d}_{\mathrm{a}}=\mathrm{m}_{\mathrm{n}} \cdot\left(\left(\frac{\mathrm{z}}{\cos (\psi)}\right)+2\right)$
Open Calculator
ex $128.4749 \mathrm{~mm}=3 \mathrm{~mm} \cdot\left(\left(\frac{37}{\cos \left(25^{\circ}\right)}\right)+2\right)$
3) Addendum Circle Diameter of Gear given Pitch Circle Diameter
$f \mathrm{f} \mathrm{d}_{\mathrm{a}}=2 \cdot \mathrm{~h}_{\mathrm{a}}+\mathrm{d}$
ex $126 \mathrm{~mm}=2 \cdot 4 \mathrm{~mm}+118 \mathrm{~mm}$
4) Addendum of Gear given Addendum Circle Diameter
$f \mathrm{f} \mathrm{h}_{\mathrm{a}}=\frac{\mathrm{d}_{\mathrm{a}}-\mathrm{d}}{2}$
$\mathrm{ex} 10 \mathrm{~mm}=\frac{138 \mathrm{~mm}-118 \mathrm{~mm}}{2}$
5) Angular Velocity of Gear given Speed Ratio
$f \mathrm{x} \mathrm{n}_{\mathrm{g}}=\frac{\mathrm{n}_{\mathrm{p}}}{\mathrm{i}}$
ex $8.272727 \mathrm{rad} / \mathrm{s}=\frac{18.2 \mathrm{rad} / \mathrm{s}}{2.2}$
Open Calculator 〔
6) Angular Velocity of Pinion given Speed Ratio
$f \mathbf{x} \mathrm{n}_{\mathrm{p}}=\mathrm{i} \cdot \mathrm{n}_{\mathrm{g}}$
Open Calculator
ex $18.04 \mathrm{rad} / \mathrm{s}=2.2 \cdot 8.2 \mathrm{rad} / \mathrm{s}$
7) Center to Center distance between Two Gears
$f_{\mathrm{x}} \mathrm{a}_{\mathrm{c}}=\mathrm{m}_{\mathrm{n}} \cdot \frac{\mathrm{z}_{1}+\mathrm{z}_{2}}{2 \cdot \cos (\psi)}$
ex $99.30401 \mathrm{~mm}=3 \mathrm{~mm} \cdot \frac{18+42}{2 \cdot \cos \left(25^{\circ}\right)}$
8) Dedendum Circle Diameter of Gear given Pitch Circle Diameter
$f \mathrm{f} \mathrm{d}_{\mathrm{f}}=\mathrm{d}-2 \cdot \mathrm{~d}_{\mathrm{h}}$
Open Calculator
ex $108 \mathrm{~mm}=118 \mathrm{~mm}-2 \cdot 5 \mathrm{~mm}$
9) Normal Module of Helical Gear
$f \times \mathrm{m}_{\mathrm{n}}=\mathrm{m} \cdot \cos (\psi)$
Open Calculator
ex $3.081446 \mathrm{~mm}=3.4 \mathrm{~mm} \cdot \cos \left(25^{\circ}\right)$
10) Normal Module of Helical Gear given Addendum Circle Diameter
$f \mathbf{x} \mathrm{~m}_{\mathrm{n}}=\frac{\mathrm{d}_{\mathrm{a}}}{\frac{\mathrm{z}}{\cos (\psi)}+2}$
Open Calculator
ex $3.222418 \mathrm{~mm}=\frac{138 \mathrm{~mm}}{\frac{37}{\cos \left(25^{\circ}\right)}+2}$
11) Normal Module of Helical Gear given Center to Center Distance between Two Gears
$f \mathbf{f x} \mathrm{~m}_{\mathrm{n}}=\mathrm{a}_{\mathrm{c}} \cdot \frac{2 \cdot \cos (\psi)}{\mathrm{z}_{1}+\mathrm{z}_{2}}$
Open Calculator
$\mathrm{ex} 2.999879 \mathrm{~mm}=99.3 \mathrm{~mm} \cdot \frac{2 \cdot \cos \left(25^{\circ}\right)}{18+42}$
12) Normal Module of Helical Gear given Pitch Circle Diameter


Open Calculator
ex $2.890387 \mathrm{~mm}=118 \mathrm{~mm} \cdot \frac{\cos \left(25^{\circ}\right)}{37}$
13) Normal Module of Helical Gear given Virtual Number of Teeth
$f \mathbf{x} \mathrm{~m}_{\mathrm{n}}=\frac{\mathrm{d}}{\mathrm{z}^{\prime}} \cdot\left(\cos (\psi)^{2}\right)$
Open Calculator
ex $1.794898 \mathrm{~mm}=\frac{118 \mathrm{~mm}}{54} \cdot\left(\cos \left(25^{\circ}\right)^{2}\right)$
14) Number of Teeth on First Gear given Center to Center Distance between Two Gears
$f \times z_{1}=a_{c} \cdot \frac{2 \cdot \cos (\psi)}{m_{n}}-z_{2}$
ex $17.99758=99.3 \mathrm{~mm} \cdot \frac{2 \cdot \cos \left(25^{\circ}\right)}{3 \mathrm{~mm}}-42$
15) Number of Teeth on Gear given Addendum Circle Diameter
$\mathbf{f x} \mathrm{z}=\left(\frac{\mathrm{d}_{\mathrm{a}}}{\mathrm{m}_{\mathrm{n}}}-2\right) \cdot \cos (\psi)$
ex $39.87754=\left(\frac{138 \mathrm{~mm}}{3 \mathrm{~mm}}-2\right) \cdot \cos \left(25^{\circ}\right)$
16) Number of Teeth on Gear given Pitch Circle Diameter
$\mathbf{f x}_{\mathrm{x}}^{\mathrm{z}=\mathrm{d} \cdot \frac{\cos (\psi)}{\mathrm{m}_{\mathrm{n}}}}$
Open Calculator
ex $35.64811=118 \mathrm{~mm} \cdot \frac{\cos \left(25^{\circ}\right)}{3 \mathrm{~mm}}$
17) Number of Teeth on Helical Gear given Speed Ratio for Helical Gears $\leftrightarrow$
$f \mathrm{x} z=\mathrm{Z}_{\mathrm{p}} \cdot \mathrm{i}$
Open Calculator
ex $44=20 \cdot 2.2$
18) Number of Teeth on Pinion given Speed Ratio
$f \mathrm{x} \mathrm{Z}_{\mathrm{p}}=\frac{\mathrm{z}}{\mathrm{i}}$
Open Calculator
ex $16.81818=\frac{37}{2.2}$
19) Number of Teeth on Second Helical Gear given Center to Center Distance between Two Gears

$$
f \mathrm{x} \mathrm{z}_{2}=\mathrm{a}_{\mathrm{c}} \cdot \frac{2 \cdot \cos (\psi)}{\mathrm{m}_{\mathrm{n}}}-\mathrm{z}_{1}
$$

ex $41.99758=99.3 \mathrm{~mm} \cdot \frac{2 \cdot \cos \left(25^{\circ}\right)}{3 \mathrm{~mm}}-18$
20) Pitch Circle Diameter of Gear given Addendum Circle Diameter
$f \mathrm{f} d=\mathrm{d}_{\mathrm{a}}-2 \cdot \mathrm{~h}_{\mathrm{a}}$
Open Calculator
ex $130 \mathrm{~mm}=138 \mathrm{~mm}-2 \cdot 4 \mathrm{~mm}$
21) Pitch Circle Diameter of Gear given Dedendum Circle Diameter
$f \mathrm{fx}=\mathrm{d}_{\mathrm{f}}+2 \cdot \mathrm{~d}_{\mathrm{h}}$
ex $136 \mathrm{~mm}=126 \mathrm{~mm}+2 \cdot 5 \mathrm{~mm}$
22) Pitch Circle Diameter of Gear given Radius of Curvature at Point
$\mathbf{f x} \mathrm{d}=2 \cdot \mathrm{r}^{\prime} \cdot(\cos (\psi))^{2}$
Open Calculator
ex $118.2807 \mathrm{~mm}=2 \cdot 72 \mathrm{~mm} \cdot\left(\cos \left(25^{\circ}\right)\right)^{2}$
23) Pitch Circle Diameter of Helical Gear
$\mathrm{fx} \mathrm{d}=\mathrm{z} \cdot \frac{\mathrm{m}_{\mathrm{n}}}{\cos (\psi)}$
Open Calculator
ex $122.4749 \mathrm{~mm}=37 \cdot \frac{3 \mathrm{~mm}}{\cos \left(25^{\circ}\right)}$
24) Speed Ratio for Helical Gears
$\mathrm{fx} \mathrm{i}=\frac{\mathrm{n}_{\mathrm{p}}}{\mathrm{n}_{\mathrm{g}}}$
Open Calculator
ex $2.219512=\frac{18.2 \mathrm{rad} / \mathrm{s}}{8.2 \mathrm{rad} / \mathrm{s}}$
25) Transverse Module of Helical Gear given Normal Module
$\mathrm{fx} \mathrm{m}=\frac{\mathrm{m}_{\mathrm{n}}}{\cos (\psi)}$
Open Calculator
ex $3.310134 \mathrm{~mm}=\frac{3 \mathrm{~mm}}{\cos \left(25^{\circ}\right)}$
26) Transverse Module of Helical Gear given Transverse Diametrical Pitch
fx $m=\frac{1}{P}$

Open Calculator
ex $3.448276 \mathrm{~mm}=\frac{1}{0.29 \mathrm{~mm}^{-1}}$
27) Virtual Number of Teeth on Helical Gear
$f \mathbf{x} \mathrm{z}^{\prime}=2 \cdot \pi \cdot \frac{\mathrm{r}_{\mathrm{vh}}}{\mathrm{P}_{\mathrm{N}}}$
ex $20.94395=2 \cdot \pi \cdot \frac{32 \mathrm{~mm}}{9.6 \mathrm{~mm}}$
28) Virtual Number of Teeth on Helical Gear given Actual Number of Teeth E
$f \mathbf{x} z^{\prime}=\frac{z}{(\cos (\psi))^{3}}$

$$
\text { ex } 49.70208=\frac{37}{\left(\cos \left(25^{\circ}\right)\right)^{3}}
$$

## Helix Geometry ©

29) Axial Pitch of Helical Gear given Helix Angle $\leftrightarrows$
$\mathrm{fx} \mathrm{p}_{\mathrm{a}}=\frac{\mathrm{p}}{\tan (\psi)}$
ex $22.90333 \mathrm{~mm}=\frac{10.68 \mathrm{~mm}}{\tan \left(25^{\circ}\right)}$
30) Helix Angle of Helical Gear given Actual and Virtual Number of Teeth E
$f_{x} \psi=a \cos \left(\left(\frac{z}{z^{\prime}}\right)^{\frac{1}{3}}\right)$
ex $28.16458^{\circ}=a \cos \left(\left(\frac{37}{54}\right)^{\frac{1}{3}}\right)$
31) Helix Angle of Helical Gear given Addendum Circle Diameter
$\mathrm{fx} \psi=a \cos \left(\frac{\mathrm{z}}{\frac{\mathrm{d}_{\mathrm{a}}}{\mathrm{m}_{\mathrm{n}}}-2}\right)$

## Open Calculator

ex $32.76376^{\circ}=a \cos \left(\frac{37}{\frac{138 \mathrm{~mm}}{3 \mathrm{~mm}}-2}\right)$
32) Helix Angle of Helical Gear given Axial Pitch
$\mathrm{fx}_{\mathrm{x}} \psi=a \tan \left(\frac{\mathrm{p}}{\mathrm{p}_{\mathrm{a}}}\right)$
Open Calculator
ex $25.59087^{\circ}=a \tan \left(\frac{10.68 \mathrm{~mm}}{22.3 \mathrm{~mm}}\right)$
33) Helix Angle of Helical Gear given Center to Center Distance between Two Gears
$\mathrm{fx}_{\mathrm{x}} \psi=a \cos \left(\mathrm{~m}_{\mathrm{n}} \cdot \frac{\mathrm{z}_{1}+\mathrm{z}_{2}}{2 \cdot \mathrm{a}_{\mathrm{c}}}\right)$
Open Calculator 〔
ex $24.99503^{\circ}=a \cos \left(3 \mathrm{~mm} \cdot \frac{18+42}{2 \cdot 99.3 \mathrm{~mm}}\right)$
34) Helix Angle of Helical Gear given Normal Circular Pitch
$f \mathrm{x} \psi=a \cos \left(\frac{\mathrm{P}_{\mathrm{N}}}{\mathrm{p}}\right)$
Open Calculator
ex $25.98923^{\circ}=a \cos \left(\frac{9.6 \mathrm{~mm}}{10.68 \mathrm{~mm}}\right)$
35) Helix Angle of Helical Gear given Normal Module
$\mathrm{fx} \psi=a \cos \left(\frac{\mathrm{~m}_{\mathrm{n}}}{\mathrm{m}}\right)$
Open Calculator
ex $28.07249^{\circ}=a \cos \left(\frac{3 \mathrm{~mm}}{3.4 \mathrm{~mm}}\right)$
36) Helix Angle of Helical Gear given Pitch Circle Diameter
$\mathrm{fx} \psi=a \cos \left(\mathrm{z} \cdot \frac{\mathrm{m}_{\mathrm{n}}}{\mathrm{d}}\right)$
Open Calculator
ex $19.83427^{\circ}=a \cos \left(37 \cdot \frac{3 \mathrm{~mm}}{118 \mathrm{~mm}}\right)$
37) Helix Angle of Helical Gear given Pressure Angle
$f \mathrm{x} \psi=a \cos \left(\frac{\tan \left(\alpha_{\mathrm{n}}\right)}{\tan (\alpha)}\right)$
Open Calculator
ex $25.07509^{\circ}=a \cos \left(\frac{\tan \left(20.1^{\circ}\right)}{\tan \left(22^{\circ}\right)}\right)$
38) Helix Angle of Helical Gear given Radius of Curvature at Point
$f \mathrm{x} \psi=\sqrt{a \cos \left(\frac{\mathrm{~d}}{2 \cdot r^{\prime}}\right)}$
Open Calculator
$\operatorname{ex} 44.76246^{\circ}=\sqrt{a \cos \left(\frac{118 \mathrm{~mm}}{2 \cdot 72 \mathrm{~mm}}\right)}$
39) Helix Angle of Helical Gear given Virtual Number of Teeth
$f_{\mathrm{x}} \psi=a \cos \left(\left(\frac{\mathrm{~d}}{\mathrm{~m}_{\mathrm{n}} \cdot \mathrm{z}^{\prime}}\right)^{\frac{1}{2}}\right)$
Open Calculator
ex $31.40991^{\circ}=a \cos \left(\left(\frac{118 \mathrm{~mm}}{3 \mathrm{~mm} \cdot 54}\right)^{\frac{1}{2}}\right)$
40) Normal Circular Pitch of Helical Gear
$f x \mathrm{P}_{\mathrm{N}}=\mathrm{p} \cdot \cos (\psi)$
Open Calculator
ex $9.679367 \mathrm{~mm}=10.68 \mathrm{~mm} \cdot \cos \left(25^{\circ}\right)$
41) Normal Circular Pitch of Helical Gear given Virtual Number of Teeth
$\mathrm{fx}_{\mathrm{x}} \mathrm{P}_{\mathrm{N}}=2 \cdot \pi \cdot \frac{\mathrm{r}_{\mathrm{vh}}}{\mathrm{z}^{\prime}}$
Open Calculator
ex $3.723369 \mathrm{~mm}=2 \cdot \pi \cdot \frac{32 \mathrm{~mm}}{54}$
42) Normal Pressure Angle of Helical Gear given Helix Angle
$\mathrm{fx} \alpha_{\mathrm{n}}=a \tan (\tan (\alpha) \cdot \cos (\psi))$
Open Calculator
ex $20.11132^{\circ}=a \tan \left(\tan \left(22^{\circ}\right) \cdot \cos \left(25^{\circ}\right)\right)$
43) Pitch Circular Diameter of Gear given Radius of Curvature
$f \mathbf{x} \mathrm{~d}^{\prime}=2 \cdot \mathrm{r}^{\prime}$
Open Calculator
ex $144 \mathrm{~mm}=2 \cdot 72 \mathrm{~mm}$
44) Pitch Circular Diameter of Gear given Virtual Gear
$\mathrm{fx} \mathrm{d}=2 \cdot \mathrm{r}^{\prime} \cdot(\cos (\psi))^{2}$
Open Calculator
ex $118.2807 \mathrm{~mm}=2 \cdot 72 \mathrm{~mm} \cdot\left(\cos \left(25^{\circ}\right)\right)^{2}$
45) Pitch Circular Diameter of Gear given Virtual Number of Teeth
$\mathrm{fx} \mathrm{d}=\mathrm{m}_{\mathrm{n}} \cdot \mathrm{z}^{\prime} \cdot\left(\cos (\psi)^{2}\right)$
Open Calculator
ex $133.0658 \mathrm{~mm}=3 \mathrm{~mm} \cdot 54 \cdot\left(\cos \left(25^{\circ}\right)^{2}\right)$
46) Pitch of Helical Gear given Axial Pitch
$\mathrm{fx} \mathrm{p}=\mathrm{p}_{\mathrm{a}} \cdot \tan (\psi)$
ex $10.39866 \mathrm{~mm}=22.3 \mathrm{~mm} \cdot \tan \left(25^{\circ}\right)$
47) Pitch of Helical Gear given Normal Circular Pitch
$\mathrm{fx} \mathrm{p}=\frac{\mathrm{P}_{\mathrm{N}}}{\cos (\psi)}$
ex $10.59243 \mathrm{~mm}=\frac{9.6 \mathrm{~mm}}{\cos \left(25^{\circ}\right)}$
48) Radius of Curvature at Point on Helical Gear
$f \mathbf{x} r^{\prime}=\frac{\mathrm{a}^{2}}{\mathrm{~b}}$
Open Calculator
ex $69.13636 \mathrm{~mm}=\frac{(19.5 \mathrm{~mm})^{2}}{5.5 \mathrm{~mm}}$
49) Radius of Curvature at Point on Virtual Gear
$f \mathbf{f x} \mathrm{r}^{\prime}=\frac{\mathrm{d}}{2 \cdot(\cos (\psi))^{2}}$
ex $71.82913 \mathrm{~mm}=\frac{118 \mathrm{~mm}}{2 \cdot\left(\cos \left(25^{\circ}\right)\right)^{2}}$
50) Radius of Curvature of Virtual Gear given Pitch Circular Diameter
$\mathrm{fx} \mathrm{r}^{\prime}=\frac{\mathrm{d}^{\prime}}{2}$
Open Calculator
ex $71.5 \mathrm{~mm}=\frac{143 \mathrm{~mm}}{2}$
51) Radius of Curvature of Virtual Gear given Virtual Number of Teeth
$f \mathrm{x} \mathrm{r}_{\mathrm{vh}}=\mathrm{z}^{\prime} \cdot \frac{\mathrm{P}_{\mathrm{N}}}{2 \cdot \pi}$
Open Calculator
ex $82.50592 \mathrm{~mm}=54 \cdot \frac{9.6 \mathrm{~mm}}{2 \cdot \pi}$
52) Semi Major Axis of Elliptical Profile given Radius of Curvature at Point U
$f x a=\sqrt{r^{\prime} \cdot b}$
Open Calculator
ex $19.89975 \mathrm{~mm}=\sqrt{72 \mathrm{~mm} \cdot 5.5 \mathrm{~mm}}$
53) Semi Minor Axis of Elliptical Profile given Radius of Curvature at Point E
$f \mathrm{f} b=\frac{\mathrm{a}^{2}}{\mathrm{r}^{\prime}}$
Open Calculator
ex $5.28125 \mathrm{~mm}=\frac{(19.5 \mathrm{~mm})^{2}}{72 \mathrm{~mm}}$
54) Transverse Diametrical Pitch of Helical Gear given Transverse Module E
$f \mathrm{fx}=\frac{1}{\mathrm{~m}}$
Open Calculator
ex $0.294118 \mathrm{~mm}^{-1}=\frac{1}{3.4 \mathrm{~mm}}$
目
© calculatoratoz.com. A softusvista inc. venture!
55) Transverse Pressure Angle of Helical Gear given Helix Angle
$f \mathrm{fx} \alpha=a \tan \left(\frac{\tan \left(\alpha_{\mathrm{n}}\right)}{\cos (\psi)}\right)$
ex $21.98782^{\circ}=a \tan \left(\frac{\tan \left(20.1^{\circ}\right)}{\cos \left(25^{\circ}\right)}\right)$

## Variables Used

- a Semi Major Axis of Helical Gear Teeth (Millimeter)
- $\mathbf{a}_{\mathbf{c}}$ Center to Center Distance of Helical Gears (Millimeter)
- b Semi Minor Axis of Helical Gear Teeth (Millimeter)
- d Diameter of Pitch Circle of Helical Gear (Millimeter)
- d' Pitch Circular Diameter of Helical Virtual Gear (Millimeter)
- $\mathbf{d}_{\mathbf{a}}$ Addendum Circle Diameter of Helical Gear (Millimeter)
- $\mathbf{d}_{\mathbf{f}}$ Dedendum Circle Diameter of Helical Gear (Millimeter)
- $\mathbf{d}_{\mathbf{h}}$ Dedendum of Helical Gear (Millimeter)
- $\mathbf{h}_{\mathbf{a}}$ Addendum of Helical Gear (Millimeter)
- i Helical Gear Speed Ratio
- m Transverse Module of Helical Gear (Millimeter)
- $\mathbf{m}_{\mathbf{n}}$ Normal Module of Helical Gear (Millimeter)
- $\mathbf{n}_{\mathbf{g}}$ Speed of Helical Gear (Radian per Second)
- $\mathbf{n}_{\mathbf{p}}$ Speed of Pinion Helical Gear (Radian per Second)
- p Pitch of Helical Gear (Millimeter)
- P Transverse Diametrical Pitch of Helical Gear (1 per Millimeter)
- $\mathbf{p}_{\mathbf{a}}$ Axial Pitch of Helical Gear (Millimeter)
- $\mathbf{P}_{\mathbf{N}}$ Normal Circular Pitch of Helical Gear (Millimeter)
- $\mathbf{r}^{\prime}$ Radius of Curvature of Helical Gear (Millimeter)
- $\mathbf{r}_{\mathbf{v h}}$ Virtual Pitch Circle Radius for Helical Gear (Millimeter)
- z Number of Teeth on Helical Gear
- z' Virtual Number of Teeth on Helical Gear
- $\mathbf{z}_{\mathbf{1}}$ Number of Teeth on 1 st Helical Gear
- $\mathbf{Z}_{\mathbf{2}}$ Number of Teeth on 2nd Helical Gear
- $\mathbf{Z}_{\mathbf{p}}$ Number of Teeth on Helical Pinion
- $\alpha$ Transverse Pressure Angle of Helical Gear (Degree)
- $\boldsymbol{\alpha}_{\mathbf{n}}$ Normal Pressure Angle of Helical Gear (Degree)
- $\boldsymbol{\Psi}$ Helix Angle of Helical Gear (Degree)


## Constants, Functions, Measurements used

- Constant: pi, 3.14159265358979323846264338327950288

Archimedes' constant

- Function: acos, acos(Number)

The inverse cosine function, is the inverse function of the cosine function. It is the function that takes a ratio as an input and returns the angle whose cosine is equal to that ratio.

- Function: 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.

- Function: cos, cos(Angle)

Cosine of an angle is the ratio of the side adjacent to the angle to the hypotenuse of the triangle.

- Function: 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.

- Function: 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 Millimeter (mm)

Length Unit Conversion

- Measurement: Angle in Degree ( ${ }^{\circ}$ )

Angle Unit Conversion

- Measurement: Angular Velocity in Radian per Second (rad/s) Angular Velocity Unit Conversion
- Measurement: Reciprocal Length in 1 per Millimeter ( $\mathrm{mm}^{-1}$ ) Reciprocal Length Unit Conversion


## Check other formula lists

- Design of Bevel Gears Formulas
- Design of Helical Gears Formulas


# Feel free to SHARE this document with your friends! 

## PDF Available in

English Spanish French German Russian Italian Portuguese Polish Dutch

Please leave your feedback here...

