

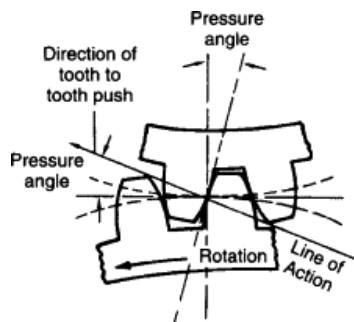
# Helical Gears

Plugin at: <https://apps.autodesk.com/FUSION/en/Detail/Index?id=9029586664984391977&os=Win64&appLang=en>



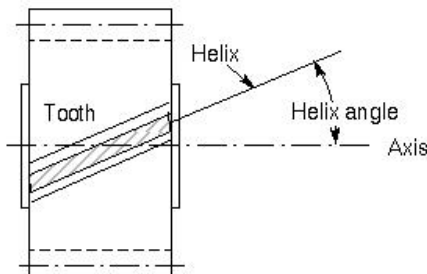
## Pressure angle:

Pressure angle is the angle of tooth drive action, or the angle between the line of force between meshing teeth and the tangent to the pitch circle at the point of mesh. Typical pressure angles are  $14.5^\circ$  or  $20^\circ$ .



## Helix angle:

Helix angle is the angle at which the gear teeth are aligned compared to the axis.



HELICAL GEAR

Gear Standard	Normal System
Handedness	Right
Helix Angle	30 deg
Pressure Angle	15 deg
Module	3 mm
Teeth	16
Backlash	5 mm
Gear Thickness	10 mm
Preview	<input type="checkbox"/>

Undercut Required - increase the number of teeth, helix angle, or pressure angle to avoid undercutting.

► Gear Parameters

OK Cancel