

# Crossed axis helical gear

## General

- Strength rating along ISO 6336 (modified along Niemann), along Hoechst for worm gears and along Hirn for worm gears. For plastic gears along VDI 2545 and VDI 2736
- Calculation of theoretical backlash, acceptance, and operating backlash
- Calculation of flank, root and scuffing safety factor with single load or load spectrum
- Output of control measures like dimension over pins and balls
- With rough and fine sizing function

## Configurations

- For plastic and metallic materials
- Calculation with lead or helix angle
- Calculation of meshing efficiency
- For worm type or helical gear type mesh (any helix angle)
- Tooth form calculation with modifications like tip and root relief, chamfer, tip rounding, elliptic root rounding for improved noise and strength properties



