**Design and analysis of a helical gear and double helical gear**

Helical gears are widely used in industry where the power transmission is required at heavy loads with smoother and noiseless operation.

helical gear are generally used to transmit power or torque for transmission at very high speed when compared to other kind of gear transmissions this application are explain the design the helical gear with defined specification. It’s have a involving modern design, specific character, specific materials, with consideration of analysis of force, and its mechanical properties.

In this paper we design the helical and double helical gears and perform the analysis by using solid works premium.