H.D.S.Mechanics/Motor Gear

Chapter 4 Design: Pg. 1

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Gear Mechanics

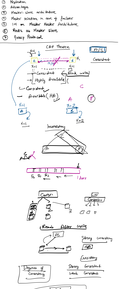
Gear, spur, pinch, helical, bevel, worm

1) Gear change
2) Gear direction
3) Gear speed
4) Gear torque

Cut Gears

Figure 1: Gear

1) Pitch
2) Pitch circle
3) Pitch line
4) Pitch line velocity
5) Pitch circle = sum of factor
6) Pitch Point Pitch Circle
7) Pitch = Pitch Circle
8) Gear Pitch


Cut Gears
Pitch
Circle
Pitch
Pitch Circle
Pitch Point
Pitch Line
Pitch Line Velocity