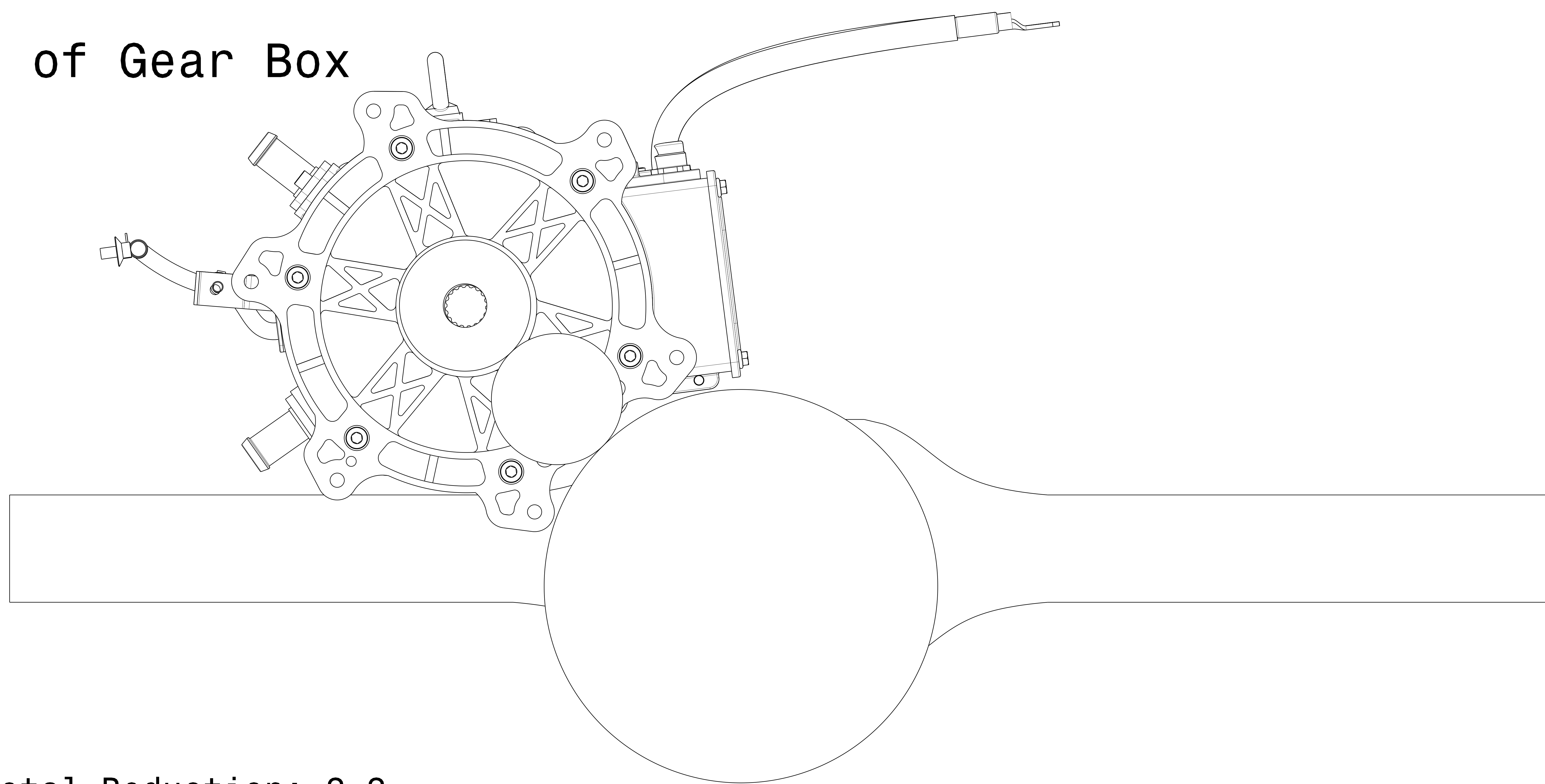


Layout of Gear Box



Front view
Scale: 1:1

Total Reduction: 2.2

Radius of Pinion: 3.724622 cm

Radius of Idler=5.586933

Gear Width: 3cm

Normal Module: 3.5

Max RPM= 8000

Peak Torque= 190 Nm

Continuos Torque= 90Nm

Helix Angle: 20 deg

Material Hardness: 360 BHN (Case Hardened 500 BHN surface)

Material: AISI 1020 (better material is needed)