



GKN G-ROTOR OIL PUMPS

Prod. Group No. 4060



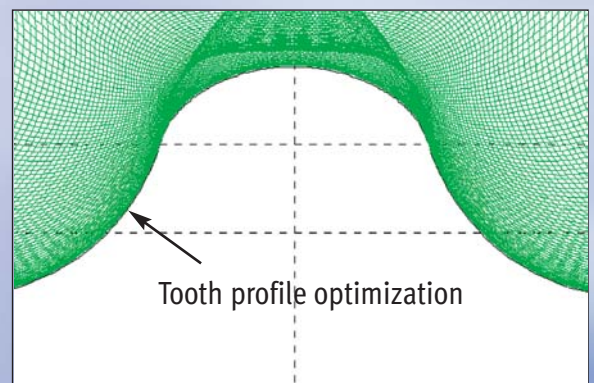
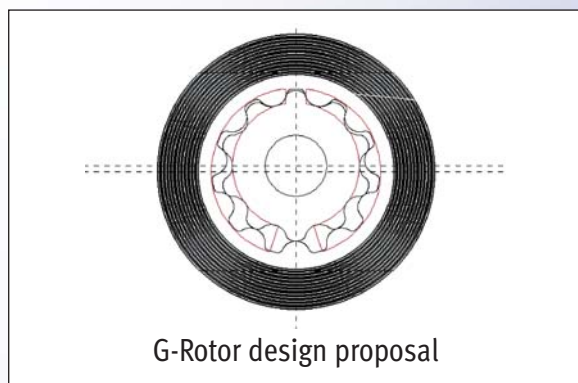
G-Rotor Pumps



Advantages

- Net shape process
- Cost effective
- Customer tailored
 - G-Rotor design proposal
 - Tooth profile optimization
 - Keyway due customer demand

Many different types of G-Rotors available
(view catalog at: www.gknsintermetals.com)



GKN G-ROTOR OIL PUMPS

Standard Geometrical Shapes Include:

- Lobe tooth profile
- Also customer tailored special profiles

Typical Automotive Applications Include:

- Passenger car engine lubrication pump
- Common rail diesel feeder pump
- AWD oil feeder pump
- Lawn & garden truck

GKN Engineering Support:

From technical questionnaire to design proposal:

- G-Rotor calculation
 - Tooth profile
 - Design
- FEA design optimization
- Efficiency calculations
- Design proposal
- Sample/prototype manufacturing
- Prototyping of pump assembly for test purposes
- In-house machining operations
- Pump test rig

Material Developments:

- Material development and lab testing (static, dynamic, fatigue, wear)

