



Our gears are always turning.

GEAR MESH ANALYSIS INFORMATION SHEET

Customer _____ Contact _____
 Phone _____ FAX _____
 Email _____

Please provide as much detail as possible.

Application

1. General use _____
2. Part and assembly drawings/specifications: (complete) (in progress)
3. Number of gear meshes _____
4. Material used for housing or mounting plates _____
5. Service life _____
6. Comments _____

Mechanical

1. Operating Torque: _____ (lbf/in) or (Nm)
2. Stall Torque: _____ (lbf/in) or (Nm)
3. Magnitude of Load (input) _____ (output) _____
4. Constant load at rest (Y) (N) Load _____ (lbf/in) or (Nm)
5. Shock: Steady (Light) (Medium) (Heavy)
6. Load (Check one) (Static) (Dynamic) (Constant) (Changing) %
- 7 Continuous Intermittent 24 Hrs 8-10 Hrs 3Hr ½ Hr/Day
8. R.P.M _____ Input Output
- 9 Uni-directional Bi-directional
10. Must not back drive? (Worm drives only) YES NO
11. Comments _____

Environmental

1. Temperature range _____ to _____ °F °C Duration at extremes _____ Hrs
2. Humidity (Duration) _____ Hrs. (percentage) _____ %
3. Exposure: (Sun light) (Other radiation) Lubrication: (grease) (oil)
4. Chemical exposure _____ (Concentration) _____ %
5. Vibrations _____

*ABA TOOL & DIE - PLASTICS GEARING TECHNOLOGY
 MOLDING DIES - INJECTION MOLDING - PLASTIC GEARS*



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Mesh number _____

Mesh geometry

Center distance with tolerances _____

Bearing Clearances _____ Run out _____

Shaft ID to hole OD clearance _____

Comments _____

Gear number 1 _____ (part number) _____

1. Diametral pitch _____ or module _____

2. Pressure angle _____

3. Number of teeth _____

4. Materials used for gear _____

5. Tooth form: ISO PT PGT 1 PGT 2 PGT 3 PGT 4 Other

6. Face width _____ (in) (mm)

7. Helix angle _____

8. Quality Number _____

Comments _____

Gear number 2 _____ (part number) _____

1. Diametral pitch _____ or module _____

2. Pressure angle _____

3. Number of teeth _____

4. Materials used for gear _____

5. Tooth form: ISO PT PGT 1 PGT 2 PGT 3 PGT 4 Other

6. Face width _____ (in) (mm)

7. Helix angle _____

8. Quality Number _____