Bevel Gear Rating Suite

Want an easy tool for bevel gear geometry? Compare your own work against standards and understand your competitors' ratings with the Bevel Gear Rating Suite.

Not only can this software calculate ratings, but you also can easily enter or calculate geometry according to either current or old standards plus load capacities.

The program covers material from the following standards:

- ANSI/AGMA 2003 – Rating the Pitting Resistance and Bending Strength of Generated Straight Bevel, Zero1Bevel and Spiral Bevel Gear Teeth
- ANSI/AGMA 2005 – Design Manual for Bevel Gears
- AGMA 208.03 – System for Straight Bevel Gears (1978)
- AGMA 209.03 – System for Spiral Bevel Gears (1964)
- AGMA 209.04 – System for Spiral Bevel Gears (1982)
- AGMA 202.03 – System for Zerol Bevel Gears (1965)
- ANSI/AGMA 2009 – Bevel Gear Classification, Tolerances, and Measuring Methods
- AGMA 390.03a – Gear Handbook Gear Classification, Materials and Measuring Methods for Bevel, Hypoid, Fine Pitch Wormgearing and Racks Only as Unassembled Gears (1988)
- AGMA 929 – Calculation of Bevel Gear Top Land and Guidance on Cutter Edge Radius

Analyze a full range of gears accurately. The Bevel Gear Rating Suite calculates geometry and ratings for straight, spiral, skew and zerol bevel gears according to ANSI/AGMA standards. The program strictly follows these standards without imposing design rules.

Enter bevel gear parameters quickly in the manner and in the units you prefer. It can calculate the geometry factors for you or accept factors that have been calculated outside the program. Tooth thickness can be entered, calculated by balancing geometry factors or from AGMA or ISO thickness factors.

Enjoy user-friendly, efficient screens for data input and output. In fact, the input data can be customized to default to the input methods and bevel types used by your company.