

NEW STANDARDS AND INFORMATION SHEETS PUBLISHED IN 2006

It takes a great deal of dedicated effort by committee members and strong leadership by their Chairmen to see a standards development project through from working draft to publication. Their hard work manifested itself in the publication of fourteen new standards and information sheets during 2006:

- AGMA 909-A06, Specifications for Molded Plastic Gears
- AGMA 929-A06, Calculation of Bevel Gear Top Land and Guidance on Cutter Edge Radius
- AGMA 932-A05, Rating the Pitting Resistance and Bending Strength of Hypoid Gears
- AGMA 938-A05, Shot Peening of Gears
- AGMA ISO 10064-5-A06, Code of Inspection Practice – Part 5: Recommendations Relative to Evaluation of Gear Measuring Instruments
- ANSI/AGMA 2015-2-A06, Accuracy Classification System – Radial Measurements for Cylindrical Gears
- ANSI/AGMA 2116-A05, Evaluation of Double Flank Testers for Radial Composite Measurement of Gears
- ANSI/AGMA 6013-A06, Standard for Industrial Enclosed Gear Drives
- ANSI/AGMA 6014-A06, Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment
- ANSI/AGMA 6113-A06, Standard for Industrial Enclosed Gear Drives (Metric Edition)
- ANSI/AGMA 6114-A06, Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment (Metric Edition)
- ANSI/AGMA 6123-B06, Design Manual for Enclosed Epicyclic Gear Drives
- ANSI/AGMA 9104-A06, Flexible Couplings – Mass Elastic Properties and Other Characteristics (Metric Edition)
- ANSI/AGMA ISO 18653-A06, Gears – Evaluation of Instruments for the Measurement of Individual Gears

A sincere "thank you" to all who participated in these endeavors. The contributions you made will provide valuable resources for the gearing industry, and we're sure your involvement enhanced both your career and your company's future.

All AGMA documents are available for purchase, in electronic format, through our website, www.agma.org, by visiting the Online Store. □

AGMA Releases New Technical Documents

AGMA's Technical Division finished the year with the publication of three new documents for use by the gearing industry.

Recognizing the need to provide assistance in completing some of the required geometry calculations in ANSI/AGMA 2003-B97, Rating the Pitting Resistance and Bending Strength of Generated Straight Bevel, Zerol Bevel and Spiral Bevel Gear Teeth, the Bevel Gearing Committee developed AGMA 929-

A06, Calculation of Bevel Gear Top Land and Guidance on Cutter Edge Radius. With the intent to supplement ANSI/AGMA 2005-D03, Design Manual for Bevel Gears, it integrates various industry publications on the subject and includes modifications necessary for face hobbing and top land calculations for non-generated manufacturing methods.

The Plastics Gearing Committee, responding to the widely recognized desire for improving the technical communication between molded plastic gear purchasers and producers, developed AGMA 909-A06, Specifications for Molded Plastic Gears. Plastic gear transmission design and manufacturing must consider the relationship of gear geometry, layout, housings, shafts, bearings, and materials. To accommodate these requirements, the plastic gear designer must create detailed gear specifications for producing prototype or production gears. This information must clearly communicate to the gear producer what the gear designer specifies. This information sheet provides guidance through sample specification sheets.

The Flexible Couplings Committee has developed the metric version of another of their standards. ANSI/AGMA 9104-A06, Flexible Couplings – Mass Elastic Properties and Other Characteristics (Metric Edition), provides, in metric format, calculation methods for coupling mass, polar mass moment of inertia, center of gravity, axial stiffness, axial natural frequency, lateral stiffness, lateral natural frequency and torsional stiffness. It is the metric version of ANSI/AGMA 9004-A99. □

