



ASTM International Technical Committee G02 on Wear and Erosion

Established: 1964

Number of Members: 80+

Number of Standards: 36

Global Participation: 15 Countries represented

The standards are available in: *Volume 03.02 in the Annual Book of ASTM Standards*

Meetings: G02 meets twice each year, in May and December

SCOPE:

The promotion of knowledge, stimulation of research, formulation of definitions and terminology, and development of methods of testing and data analysis, relating to wear, friction, and erosion of materials and structures.

The areas of interest of the Committee shall be the response of solids to mechanical interactions that occur due to relative motion between a solid material and a contacting substance or substances. This includes surface-to-surface or particle-to-surface sliding or rubbing, flow of fluids or slurries, impingement by liquid jets, drops, or solid particles, and cavitation of contacting liquids. These phenomena sometimes coexist, interact, or overlap with somewhat related phenomena, such as corrosion or lubrication. The work of the Committee will be coordinated with other ASTM Committees and other organizations having mutual interests, including ASTM Committees G01 on Corrosion of Metals and D02 on Petroleum Products and Lubricants, ASME, STLE, ASM, SAE, and others.

SUBCOMMITTEES:

G02.10 Erosion by Solids and Liquids

G02.20 Data Acquisition in Tribosystems

G02.30 Abrasive Wear

G02.40 Non-Abrasive Wear

G02.50 Friction

G02.90 Executive

G02.90.02 Awards

G02.91 Terminology

G02.93 Editorial

KEY DOCUMENTS:

- G65 Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus
- G76 Standard Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets
- G99 Test Method for Wear Testing with a Pin-on-Disk Apparatus
- G115 Guide for Measuring and Reporting Friction Coefficients

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Committee G02 Webpage:

www.astm.org/COMMIT/G02.htm

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STAFF MANAGER:

Alyson Fick

ASTM International

Headquarters

100 Barr Harbor Drive

West Conshohocken, PA 19428

Phone: +1 610.832.9710

Fax: +1 610.832.9666

Email: afick@astm.org

