

**Selected Tribology Standards**

ASTM B 611	Test Method for Abrasive Wear Resistance of Cemented Carbides
ASTM D 1831	Standard Test Method for Roll Stability of Lubricating Grease
ASTM D 1894	Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting
ASTM D 2266	Standard Test Method for Wear Preventive Characteristics of Lubricating Grease (Four-Ball Method)
ASTM D 2509	Standard Test Method for Measurement of Load-Carrying Capacity of Lubricating Grease (Timken Method)
ASTM D 2596	Standard Method for Measurement of Extreme Pressure Properties of Lubricating Grease (Four-Ball Method)
ASTM D 2670	Standard Test Method for Measuring Wear Properties of Fluid Lubricants (Falex Pin and Vee Block Method)
ASTM D 2782	Standard Test Method for Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method)
ASTM D 2783	Standard Method for Measurement of Extreme Pressure Properties of Lubricating Fluids (Four-Ball Method)
ASTM D 2981	Standard Test Method for Wear Life of Solid Film Lubricants in Oscillating Motion
ASTM D 3233	Standard Test Methods for Measurement of Extreme Pressure Properties of Fluid Lubricants (Falex Pin and Vee Block Methods)
ASTM D 3702	Standard Test Method for Wear Rate of Materials in Self-Lubricated Rubbing Contact Using a Thrust Washer Testing Machine
ASTM D 3704	Standard Test Method for Wear Preventive Properties of Lubricating Greases Using the (Falex) Block on Ring Test Machine in Oscillating Motion
ASTM D 4172	Standard Test Method for Wear Preventive Characteristics of Lubricating Fluid (Four-Ball Method)
ASTM D 5183	Standard Test Method for Determination of the Coefficient of Friction of Lubricants Using the Four-Ball Wear Test Machine

ASTM D 5706	Standard Test Method for Measuring Wear Properties of Lubricating Greases using High Frequency Linear-Oscillating (SRV) Test Machine
ASTM D 5707	Standard Test Method for Determining Wear Properties of Lubricating Greases using High Frequency Linear-Oscillating (SRV) Test Machine
ASTM D 6078	Standard Test Method for Evaluating Lubricity of Diesel Fuels
ASTM D 6079	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)
ASTM D 6138	Standard Test Method for Determination of Corrosion-Preventive Properties of Lubricating Greases Under Dynamic Wet Conditions (Emcor Test)
ASTM F 732	Standard Practice for Reciprocating Pin-on-Flat Evaluation of Friction and Wear Properties of Polymeric Materials for use in Total Joint Prostheses
ASTM F 2661	Standard Test Method for Determining the Tribological Behavior and the Relative Lifetime of a Fluid Lubricant using the Spiral Orbit Tribometer
ASTM G 65	Standard Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus
ASTM G 77	Standard Test Method for Wear Resistance by Block-on-Ring Wear Test
ASTM G 99	Standard Test Method for Wear Testing with a Pin-on-Disc Apparatus
ASTM G 105	Standard Test Method for Conducting Wet Sand/Rubber Wheel Abrasion Tests
ASTM G 132	Standard Test Method for Pin Abrasion Testing
ASTM G 133	Standard Test Method for Linearly-Reciprocating Ball-on-Flat Sliding Wear
ASTM G 137	Standard Test Method for Ranking Resistance of Plastic Materials to Sliding Wear Using a Block-on-Ring Configuration
ASTM G176	Standard Test Method for Ranking Resistance of Plastics to Sliding Wear using Block-on-Ring Wear Test—Cumulative Wear Method

---

ASTM G 181	Standard Practice for Conducting Friction Tests of Piston Ring and Cylinder Liner Materials Under Lubricated Conditions
BS 903:Part A61	Physical Testing of Rubber: Determination of the Frictional Properties of Rubber
BS EN 1071-6	Advanced technical ceramics. Methods of test for ceramic coatings. Determination of the abrasion resistance of coatings by a micro-abrasion wear test
BS EN 1071-12	Advanced technical ceramics. Methods of test for ceramic coatings. Reciprocating wear test
CEC F-06-A-96	Diesel Engines - Diesel Fuel - Performance Requirement and Test Method for Assessing Fuel Lubricity
CEC L-45-T-93	Viscosity Shear Stability of Transmission Lubricants (Taper Roller Bearing Rig)
DEF STAN 91-110/1	Wear Performance Test for Aqueous Polyglycol Based Hydraulic Fluids
DIN 50324	Measuring Friction and Wear: Model Experiments on Sliding Friction in Solids (Ball on Disc System)
DIN 51350 Part 6	Testing Lubricants: Testing in the Shell Four-Ball Tester – Testing of Shear Stability of Lubricating Oils Containing Polymers
DIN 51350 Parts 1-5	Testing Lubricants: Testing in the Shell Four-Ball Tester
DIN 51802	Testing Lubricants: Testing of Lubricating Greases to Corrosion Preventing Properties. SKF EMCOR Method
DIN 51813	Testing Lubricants: Determination of Content of Solid Matters in Greases
DIN 51819	Testing Lubricants: Mechanical-Dynamic Testing on the Bearing Lubricant in Tester FAG FE8
DIN 51821	Testing Lubricants: Testing of Lubricating Greases in Tester FAG FE9
IP186/93	Determination of Low Temperature Torque of Lubricating Grease
IP 220/67	Determination of corrosion inhibiting properties of lubricating greases (SKF EmcOR method)

IP 239	Extreme Pressure Properties: Friction and Wear Test for Lubricants: Four-Ball Machine
IP 300	Rolling Contact Fatigue Tests for Fluids in a Modified Four Ball Machine
ISO 11007	Petroleum products and lubricants - Determination of rust-prevention characteristics of lubricating greases
ISO/CD 11008	Petroleum Products and Lubricants - Determination of Extreme Pressure Properties of Lubricating Greases - Four Ball Method
ISO/DIS 12156-2	Diesel Engines - Diesel Fuel - Performance Requirement and Test Method for Assessing Fuel Lubricity
ISO/DIS 7148-2	Plain Bearings - Testing of the Tribological Behaviour of Bearing Materials
JASO M 349-2001	Test Method for Anti-Judder Performance of Automatic Transmission Fluids
MIL-G-10924	Military Specification: Grease, Automotive and Artillery
NPT 60-185	Determination of corrosion inhibiting properties of lubricating greases (SKF Emcor method)
SIS 155130	Determination of corrosion inhibiting properties of lubricating greases (SKF Emcor method)

For getting a quote and ordering tribology testing equipment, meeting the requirements of the above standards, please contact TTZH Customers Service: [info@tzh.com](mailto:info@tzh.com) or +49 5137 825 902.