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Britton, W.M. (BMT Limited, Bath, United Kingdom); Clarke, A.; Evans, H.P. **Source:** *Tribology Transactions*, v 67, n 6, p 1084-1101, 2024
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2. **Gear contact fatigue prediction under mixed elastohydrodynamic lubrication with ellipsoidal asperity rough surface: Experimental and numerical investigation**

Li, Xin (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, College of Mechanical and Electrical Engineering, Central South University, Changsha; 410083, China); Tang, Jinyuan; Shao, Wen; Zhang, Ding; Chen, Jiling; Zhao, Jiuyue; You, Shengyu; Wen, Yuqin **Source:** *Engineering Fracture Mechanics*, v 307, August 22, 2024
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3. **Effects of manufacturing and installation factors on the initiation and propagation characteristics of bending fatigue crack in spur gear**

Pang, Yu (College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China); Wang, Youren **Source:** *15th Global Reliability and Prognostics and Health Management Conference, PHM-Beijing 2024*, 2024, *15th Global Reliability and Prognostics and Health Management Conference, PHM-Beijing 2024*
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4. **Full-Scale Gear Tooth Bending Fatigue Tests Obtained Early in the Development of a Rotorcraft Transmission**

Gmirya, Yuriy (Sikorsky, Lockheed Martin Company, Stratford; CT, United States); Palcic, Peter X.; Binney, Dave; Hu, Wei; Carter, Erin **Source:** *Journal of the American Helicopter Society*, v 69, n 4, October 2024
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Dejack, Michael A. (AVL Mobility Technologies Inc., United States); Tichy, Richard **Source:** *SAE Technical Papers*, April 9, 2024, *SAE World Congress Experience, WCX 2024*
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Chen, Taimin (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing; 400044, China); Zhu, Caichao; Chen, Jinxiao; Liu, Huaiju **Source:** *Tribology International*, v 196, August 2024
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You, Shengyu (State Key Laboratory of High Performance Complex Manufacturing, Central South University, Hunan, Changsha; 410083, China); Tang, Jinyuan **Source:** *Tribology International*, v 191, March 2024
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Zhang, Boyu (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing, China); Liu, Huaiju; He, Yongyong; Guagliano, Mario **Source:** *Fatigue and Fracture of Engineering Materials and Structures*, v 47, n 8, p 2988-2999, August 2024
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Yang, Xin'Gang (School of Mechanical and Precision Instrument Engineering, Xi'An University of Technology, Xi'an, China); Yang, Shuo; Shu, Botong; Wang, Lei; Liu, Hongyan; Shi, Enxiu **Source:** *2024 3rd International Conference on Mechanical Engineering and Power Engineering, MEPE 2024*, p 92-96, 2024, *2024 3rd International Conference on Mechanical Engineering and Power Engineering, MEPE 2024*
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Lu, Zehua (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing; 400044, China); Liu, Huaiju; Wei, Peitang; Zorko, Damijan **Source:** *SSRN*, February 22, 2024
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Chen, Jinxiao (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing, China); Zhu, Caichao; Wei, Peitang; Zeng, Ping; Wang, Biyao; Chen, Taimin; Liu, Huaiju **Source:** *Tribology Transactions*, v 67, n 2, p 280-293, 2024
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Pan, Ling (School of Mechanical Engineering and Automation, Fuzhou University, Fuzhou, China); Yin, Zhiqiang; Lin, Bin; Zeng, Yi; Zhang, Jun **Source:** *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, v 238, n 9, p 1121-1137, September 2024
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Luu, Trong-Thuan (School of Mechanical Engineering, Hanoi University of Science and Technology, 01 Dai Co Viet Rd., Hanoi City, Viet Nam); Tran, Thi Thanh-Hai; Wu, Yu-Ren **Source:** *Mechanism and Machine Theory*, v 199, September 2024
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Moriwaki, Ichiro (Gear Tech One, 28-1048 Kohata Hirao, Kyoto, Uji; 611-0002, Japan); Ueda, Akio; Koide, Takao **Source:** *Journal of Advanced Mechanical Design, Systems and Manufacturing*, v 18, n 8, 2024
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Zheng, Xiqing (Key Laboratory of Vehicle Advanced Manufacturing, Measuring and Control Technology (Ministry of Education), Beijing Jiaotong University, Beijing; 100044, China); Lan, Huiqing **Source:** *Thermal Science and Engineering Progress*, v 52, July 2024
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Lima, Bruno (Aeronautics Institute of Technology, Praça Marechal Eduardo Gomes, 50, São José dos Campos; 12228-900, Brazil); Rego, Ronnie **Source:** *International Journal of Fatigue*, v 180, March 2024
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Sutar, Sanjay S. (Polymer Composites Laboratory, Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore; 575025, India); Kumar, G. C. Mohan; Doddamani, Mrityunjay **Source:** *International Journal on Interactive Design and Manufacturing*, v 18, n 7, p 4363-4382, September 2024
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Zhang, Jingdong (School of Intelligent Manufacturing, Panzhihua University, Sichuan, Panzhihua, China); Zheng, Bin **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13420, 2024, *Third International Conference on New Materials, Machinery, and Vehicle Engineering, NMMVE 2024*
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Sugunesh, A.P. (Department of Mechanical Engineering, National Institute of Technology Puducherry, Puducherry, Karaikal, India); Johnney Mertens, A. **Source:** *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, v 238, n 2, p 586-597, January 2024
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Zbončák, Radek (VÚTS, a.s., Liberec, Czech Republic); Ondřášek, Jiří **Source:** *Mechanisms and Machine Science*, v 163 MMS, p 126-133, 2024, *Advances in Italian Mechanism Science - Proceedings of the 5th International Conference of IFToMM Italy - Volume 1*
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Xiao, Xiaoping (School of Mechanical and Energy Engineering, Guangdong Ocean University, Yangjiang, China); Chen, Zhen; Chen, Yangzhi; Shao, Yanjie; Zheng, Maoxi **Source:** *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, v 238, n 15, p 7870-7882, August 2024
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Zhang, Jian (School of Intelligent Manufacturing, Panzhihua University, Sichuan, Panzhihua; 617000, China); Yang, Xue; Qi, Xuemei; Yang, Guangchun **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13163, 2024, *Fourth International Conference on Mechanical, Electronics, and Electrical and Automation Control, METMS 2024*
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Mo, Jingyu (School of Marine Equipment and Mechanical Engineering, Jimei University, Xiamen, China); Yuan, Kong; Wang, Rui; Fu, Shengping; Luo, Yaou; Li, Yandong **Source:** *Journal of Engineering Design*, v 35, n 7, p 874-900, 2024
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Liu, Wenzheng (College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China); Zhu, Rupeng; Zhou, Wenguang; Wang, Jingjing **Source:** *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, v 238, n 21, p 10490-10501, November 2024
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Mouton, Valentin (École centrale de Lyon, CNRS, ENTPE, Laboratoire de tribologie et dynamique des systèmes, UMR 5513, 36 avenue Guy de Collongue, Écully; 69130, France); Rigaud, Emmanuel; Chevrel-Fraux, Cyril; Casanova, Pierre; Perret-Liaudet, Joël **Source:** *Finite Elements in Analysis and Design*, v 242, December 2024
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Pedrero, José I. (UNED, Departamento de Mecánica, Juan del Rosal 12, Madrid; 28040, Spain); Sánchez, Miryam B.; Pleguezuelos, Miguel; Fuentes-Aznar, Alfonso **Source:** *Mechanism and Machine Theory*, v 203, November 15, 2024
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Arunachalam, S. (Department of Production Engineering, PSG College of Technology, Coimbatore; 641004, India); Muthuram, N.; Kanchan, Brajesh Kumar; Senthilkumar, M. **Source:** *International Journal on Interactive Design and Manufacturing*, v 18, n 4, p 2491-2502, May 2024
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De Smedt, Nathan (Brussels Human Robotics Research Center (BruBotics), Vrije Universiteit Brussel, Pleinlaan 2, Elsene, Brussels; 1050, Belgium); Khorasani, Amin; Verstraten, Tom **Source:** *SSRN*, September 12, 2024
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Chawla, Dinesh (Manav Rachna International Institute of Research and Studies, Mechanical Engineering Department, Faridabad, India); Bhatia, Sunny; Vinay; Thomas, Dain D.; Majeed, Akash **Source:** *Proceedings - 2024 3rd International Conference on Computational Modelling, Simulation and Optimization, ICCMSO 2024*, p 336-343, 2024, *Proceedings - 2024 3rd International Conference on Computational Modelling, Simulation and Optimization, ICCMSO 2024*
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Park, Jung-Ho (Department of Biosystems Engineering, Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul; 08826, Korea, Republic of); Chung, Woo-Jin; Park, Young-Jun; Kim, Heung-Sub; Seo, Jin Beom; Park, Jong Sang **Source:** *International Journal of Automotive Technology*, v 25, n 2, p 279-293, April 2024
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Panda, S. (Department of Mechanical Engineering, VSSUT, Odisha, Burla, India); Alam, Jawaz **Source:** *Lecture Notes in Networks and Systems*, v 728 LNNS, p 221-229, 2024, *Intelligent Systems - Proceedings of 3rd International Conference on Machine Learning, IoT and Big Data ICMIB 2023*
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Choudhari, Dilip S. (Department of Mechanical Engineering, KJEI Trinity College of Engineering & Research, Pune, Savitribai Phule Pune University, Maharashtra, Pune; 411048, India); Kakhandki, Vyasraj J.; Malwe, Prateek D.; Panchal, Hitesh; Mevada, Dinesh; Jaber, Mustafa Musa; Oza, Ankit D. **Source:** *International Journal on Interactive Design and Manufacturing*, v 18, n 10, p 7115-7126, December 2024
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Lü, Hongzhan (College of Mechanical Engineering, Donghua University, Shanghai; 201620, China); Hou, Zhiyong; Wang, Junzheng; Wang, Yuda **Source:** *Journal of Southeast University (English Edition)*, v 40, n 1, p 68-79, March 2024
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Wu, Hao (School of Mechanical Engineering, Southwest Jiaotong University, Chengdu; 610031, China); Wei, Jing; Wu, Pingbo; Li, Fansong; Qi, Yayun **Source:** *Railway Engineering Science*, v 32, n 4, p 461-479, December 2024
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Li, Fajia (School of Mechanical Engineering, University of Jinan, Shandong, Jinan, China); Wang, Enming; Tang, Xin; Shen, Rui; Liu, Haining; Wu, Ziheng **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13163, 2024, *Fourth International Conference on Mechanical, Electronics, and Electrical and Automation Control, METMS 2024*
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Zharkevich, Olga (Department of Technological Equipment, Mechanical Engineering and Standardization, Abylkas Saginov Karaganda Technical University, Karaganda; 100027, Kazakhstan); Reshetnikova, Olga; Nikonova, Tatyana; Berg, Alexandra; Berg, Andrey; Zhunuspekov, Darkhan; Nurzhanova, Oxana **Source:** *Designs*, v 8, n 6, December 2024
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Wang, Cheng (Mechanical College, Shanghai Dianji University, Shanghai; 201306, China) **Source:** *Renewable Energy*, v 221, February 2024
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Zorko, Damijan (RD Motion, d.o.o., Vojkova cesta 63, Ljubljana; 1000, Slovenia); Kalister, Rok; Černe, Borut **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
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Pagliari, Lorenzo (Free University of Bozen-Bolzano, Italy); Fraccaroli, Lorenzo; Maccioni, Lorenzo; Concli, Franco **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
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Shao, Nan (Beijing Institute of Technology, School of Mechanical Engineering, 5 South Zhongguancun Street, Haidian District, Beijing; 100081, China); Liu, Jianhua; Gong, Hao; Wang, Runliang; Shi, Song; Anwer, Nabil **Source:** *Precision Engineering*, v 88, p 742-758, June 2024
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Tao, Yijie (State Key Laboratory of Mechanical Transmission for Advanced Equipment, China); Li, Guolong; Wang, Yu; Yu, Hao; Sun, Yu; Zhao, Xiaoliang **Source:** *Journal of Manufacturing Processes*, v 115, p 323-341, April 15, 2024
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Tao, Yijie (State Key Laboratory of Mechanical Transmission for Advanced Equipment, China); Li, Guolong; Wang, Yu **Source:** *Precision Engineering*, v 91, p 242-254, December 2024
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Wang, Xiaoyi (School of Mechatronics Engineering, Henan University of Science and Technology, Luoyang; 471003, China); Liu, Mingkang; Yao, Tianyang; Zheng, Kunlei; Zhao, Chengxiang; Xiao, Longyuan; Zhu, Dongjie; Shi, Zhaoyao **Source:** *Sensors*, v 24, n 9, May 2024
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Gauder, Daniel (wbk Institute of Production Science, Karlsruhe Institute of Technology (KIT), Kaiserstr. 12, Karlsruhe; 76131, Germany); Gölz, Johannes; Bott, Alexander; Stein, Martin; Lanza, Gisela **Source:** *Measurement Science and Technology*, v 35, n 10, October 2024
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Rana, Vivek (Department of Mechanical Engineering, Indian Institute of Technology Indore, Madhya Pradesh, India); Jain, Neelesh Kumar; Pathak, Sunil **Source:** *Materials and Manufacturing Processes*, v 39, n 5, p 720-734, 2024
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Li, Zhen (College of Mechanical and Electrical Engineering, Central South University, Changsha, China); Wang, Qingshan; Wang, Ruihua; Qin, Bin; Shao, Wen **Source:** *Journal of Low Frequency Noise Vibration and Active Control*, v 43, n 1, p 41-74, March 2024
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Wang, Mingyang (Key Laboratory of Mechanism Theory and Equipment Design of Ministry of Education, Tianjin University, Tianjin; 300072, China); Li, Shuwen; Sun, Yuehai **Source:** *Mechanisms and Machine Science*, v 149, p 35-44, 2024, *Advances in Mechanism and Machine Science - Proceedings of the 16th IFToMM World Congress 2023—Volume 3*
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Ding, Han (State Key Laboratory of High Performance Complex Manufacturing, Central South University, Changsha; 410083, China); Deng, Xiongyao; Xiao, Yiyuan; Wang, Jie; Li, Ruichao; Zhang, Guan; He, Daoguang **Source:** *International Journal of Heat and Mass Transfer*, v 230, September 15, 2024
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Zhou, Sen (Chongqing Academy of Metrology and Quality Inspection, Chongqing; 401121, China); Mao, Shuang; Tao, Lei; Zhou, Jin; Xu, Jian **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13083, 2024, *SPIE Future Sensing Technologies 2024*
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Gomes, Caio Felipe Siqueira (Instituto Tecnológico de Aeronáutica, Praça Marechal-do-Ar Eduardo Gomes, 50, São José Dos Campos/SP, Brazil); Colombo, Tiago Cristofer Aguzzoli; Rego, Ronnie Rodrigo **Source:** *Lecture Notes in Mechanical Engineering*, p 46-54, 2024, *ABCM Series on Mechanical Sciences and Engineering - 12th Brazilian Manufacturing Engineering Congress - COBEF*
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Becker, Linda (Ruhr-University Bochum, Bochum; D-44801, Germany); Tenberge, Peter **Source:** *Tribologie und Schmierungstechnik*, v 71, n 1, p 35-43, May 2024
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Shao, Yanjie (South China University of Technology, School of Mechanical and Automotive Engineering, China); Chen, Yangzhi; Xiao, Xiaoping; Zheng, Maoxi; He, Weitao **Source:** *Strojniski Vestnik/Journal of Mechanical Engineering*, v 70, n 9-10, p 483-493, 2024
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Reavie, Tom (National Gear Metrology Laboratory, Design Unit, Newcastle University, Newcastle, United Kingdom); Frazer, Robert; Przyklenk, Anita; Stein, Martin **Source:** *Engineering Research Express*, v 6, n 1, March 2024
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Hochrein, Jonas-Frederick (Gear Research Center (FZG), TUM School of Engineering and Design, Technical University of Munich, Boltzmannstraße 15, Garching near Munich; 85748, Germany); Otto, Michael; Stahl, Karsten **Source:** *Mechanism and Machine Theory*, v 195, May 2024
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Yang, Ji-Xuan (State Key Laboratory of Automotive Simulation and Control, Jilin University, Changchun; 130025, China); Chen, Zhi-Yong; Shi, Wen-Ku; Yang, Hong-Bo; Zhao, Yan-Yan; Song, Hai-Sheng; Liu, Jian **Source:** *SSRN*, July 31, 2024
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Wang, Yazhou (School of Mechanical and Electrical Engineering, Lanzhou University of Technology, 36 Pengjiaping Road, Qilihe District, Lanzhou; 730050, China); Wang, Gang; Fan, Yuanzhuo; Zhang, Haokun; Liu, Yongping **Source:** *SSRN*, March 10, 2024
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Zhang, Xiaochen (Fujian Normal University, College of Computer and Cyber Security, Fuzhou; 350117, China); Wang, Chen; Zhou, Wei; Xu, Jiajia; Han, Te **Source:** *IEEE Internet of Things Journal*, v 11, n 13, p 23055-23067, July 1, 2024
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Wang, Yazhou (School of Mechanical and Electrical Engineering, Lanzhou University of Technology, 36 Pengjiaping Road, Qilihe District, Lanzhou; 730050, China); Wang, Gang; Fan, Yuanzhuo; Zhang, Haokun; Liu, Yongping **Source:** *Results in Engineering*, v 22, June 2024
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Hadj Kacem, M. (Normandie Mechanical Laboratory LMN, Mechanical Engineering Department, National Institute of Applied Sciences of Rouen, Saint-Étienne-du-Rouvray, France); El Hami, A.; Dammak, K.; Trabelsi, H.; Walha, L.; Haddar, M. **Source:** *Mechanics of Advanced Materials and Structures*, v 31, n 7, p 1464-1477, 2024
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Source: *ASTM - Standards*, v 01.07, 2024
Versions: 6
Status: Active - Reapproval
Database: Compendex
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Yu, Bo (Beijing Engineering Research Center of Precision Measurement Technology and Instruments, Beijing University of Technology, Beijing; 100124, China); Li, Zhenggao; Sun, Yanqiang; Shi, Zhaoyao **Source:** *Measurement Science and Technology*, v 35, n 5, May 2024
Open Access type(s): All Open Access, Hybrid Gold
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62. An accurate measurement method of gear transmission error based on a double-angle measurement device

Cao, Ke (Academy of Machinery Science and Technology Group, Yanqi Lake Institute of Basic Manufacturing Technology Group Co., Ltd., Beijing, China); Qiu, Cheng; Gong, Yu; Li, Jinfeng **Source:** *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, v 238, n 6, p 2521-2531, March 2024
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Han, Yi (National Engineering Research Center for Equipment and Technology of Cold Strip Rolling, Yanshan University, Qinhuangdao; 066004, China); Shao, Zhuge; Liu, Yuejun; Wang, Dashuang; Xiao, Yao; Zhang, Tianxiong **Source:** *Applied Thermal Engineering*, v 255, October 15, 2024
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Source: *ASTM - Standards*, v 05.05, 2024
Versions: 9
Status: Active - Revision
Database: Compendex
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Steinbacher, Matthias (Leibniz-Institut für Werkstofforientierte Technologien-IWT, Badgasteiner Str. 3, Bremen; 28359, Germany); Hellenbrand, Gerrit; Mevissen, Dieter; Brimmers, Jens; Brecher, Christian **Source:** *ASTM Special Technical Publication*, v STP 1649, p 29-47, 2024, *Bearing and Transmission Steels Technology*
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Chen, Yong (State Key Laboratory of Featured Metal Materials and Life-Cycle Safety for Composite Structures, Guangxi University, Nanning; 530004, China); Luo, Li; Zhang, Yuquan; Zhou, Xingyun; Zeng, Deshan; Yu, Fucheng **Source:** *Materials*, v 17, n 23, December 2024
Open Access type(s): All Open Access, Gold, Green
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67. Prediction of residual stress depth profiles in case-carburized gears (*Open Access*)

Müller, Daniel (Gear Research Center (FZG), Institute of Machine Elements, TUM School of Engineering and Design, Technical University of Munich, Boltzmannstrasse 15, Garching; 85748, Germany); Tobie, Thomas; Stahl, Karsten **Source:** *Forschung im Ingenieurwesen/Engineering Research*, v 88, n 1, December 2024
Open Access type(s): All Open Access, Hybrid Gold
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68. Study on Heat Transfer Characteristics of High-Speed Herringbone Gear in Meshing Process Under Oil Injection Lubrication

Chu, Xiaomeng (College of Mechanical Engineering and Automation, Liaoning University of Technology, Liaoning Province, Jinzhou; 121001, China); Liu, Yali; Zeng, Hong **Source:** *Journal of Thermal Science and Engineering Applications*, v 16, n 4, April 1, 2024
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Qian, Xu (School of Mechanical and Aerospace Engineering, Jilin University, Changchun; 130022, China); Yan, Wanbin; Chen, Sujiao; Zhang, Yonghua; Luo, Yuchao; Liu, Chunbao **Source:** *Tribology International*, v 195, July 2024
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Sun, Xianshun (Key Laboratory of High Efficiency and Clean Mechanical Manufacture of MOE, School of Mechanical Engineering, Shandong University, Jinan; 250061, China); Zhao, Jun; Song, Shaokang; Lu, Yongliang; Sun, Huiyang **Source:** *Meccanica*, v 59, n 7, p 1037-1060, July 2024
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Hildebrand, Lucas (Technical University of Munich, School of Engineering and Design, Department of Mechanical Engineering, Gear Research Center (FZG), Boltzmannstraße 15, Garching near Munich; D-85748, Germany); Genuin, Stefan; Lohner, Thomas; Stahl, Karsten **Source:** *Tribology International*, v 195, July 2024
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Ayan, Emre (Institute of Thermal Turbomachinery, Karlsruhe Institute of Technology, Karlsruhe, Germany); Kromer, Christian; Schwitzke, Corina; Bauer, Hans-Jörg **Source:** *Heat and Mass Transfer/Waerme- und Stoffuebertragung*, v 60, n 4, p 685-700, April 2024
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Liu, Huaming (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Central South University, Changsha; 410017, China); Tang, Jinyuan; Liu, Chenwei; Liu, Yashuai; Jiang, Weizhe; Sun, Beier **Source:** *Surface and Coatings Technology*, v 489, August 15, 2024
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Truong, Thi Tra My (Institute of Machine Elements and Machine Design (IMM), TU Dresden, Dresden; 01062, Germany); Ulrich, Carsten; Schumann, Stefan; Schlecht, Berthold **Source:** *Forschung im Ingenieurwesen/Engineering Research*, v 88, n 1, December 2024
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75. Investigation on the Lubrication Heat Transfer Mechanism of the Multilevel Gearbox by the Lattice Boltzmann Method (*Open Access*)

Li, Qihan (College of Mechanical Engineering, Zhejiang University of Technology, Hangzhou; 310014, China); Xu, Pu; Li, Lin; Xu, Weixin; Tan, Dapeng **Source:** *Processes*, v 12, n 2, February 2024
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Qiao, Zizhen (State Key Laboratory of Advanced Design and Manufacture for Vehicle Body, Hunan University, Changsha; 410082, China); Zhou, Changjiang; Su, Jie; Jiang, Xinghe **Source:** *Simulation Modelling Practice and Theory*, v 131, February 2024
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Finch, Thomas (nCATS, Faculty of Engineering and Physical Sciences, University of Southampton, Southampton, United Kingdom); Vitu, Tomas; Polcar, Tomas **Source:** *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, v 238, n 1, p 26-43, January 2024
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Ralls, Alessandro Mauricio (University of Nevada, Reno) **Source:** *ProQuest Dissertations and Theses Global*, 2024
Database: Compendex
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Hoja, S. (Leibniz-Institut fur Werkstofforientierte Technologien, IWT, Badgasteiner Str. 3, Bremen; 28359, Germany); Guba, N.; Haupt, N.; Surm, H.; Hüsemann, T. **Source:** *HTM - Journal of Heat Treatment and Materials*, v 79, n 4, p 161-183, August 1, 2024
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80. **Hybrid manufacturing approach for landing gear applications: WAAM Ti–6Al–4V on forged Ti–5Al–5Mo–5V–3Cr** (*Open Access*)

Hicks, Calum (National Manufacturing Institute Scotland (NMIS), University of Strathclyde, Glasgow, United Kingdom); Tamimi, Saeed; Sivaswamy, Giribaskar; Pimentel, Misael; McKegney, Scott; Fitzpatrick, Stephen **Source:** *Journal of Materials Research and Technology*, v 30, p 6596-6608, May 1, 2024
Open Access type(s): All Open Access, Gold, Green
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81. **Impacts of DLC and Cr-DLC coatings on noise level emitted during contact fatigue tests on AISI 4320 steel carburized gears**

da Silva, Fernando Souza Roker (Department of Materials, Tribology and Surfaces, Federal University of Technology-Paraná, Paraná, Curitiba, Brazil); Franco, Renato Ribeiro; Dalcin, Rafael Luciano; da Silva, Carlos Henrique **Source:** *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, v 46, n 7, July 2024
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Hüsemann, Tobias (Leibniz Institute for Materials Engineering, Division Manufacturing Technologies, Badgasteiner Straße 3, Bremen; 28359, Germany); Guba, Nikolai; Surm, Holger; Heinzel, Carsten **Source:** *CIRP Annals*, v 73, n 1, p 253-256, January 2024
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83. **Finite Element Numerical Simulation and Repair Process of Laser Cladding Repair of Surface Cracks on Mechanical Parts** (*Open Access*)

Yu, Shuangyang (School of Mechanical and Electrical Engineering, Jiangxi University of Science and Technology, Ganzhou; 341000, China); Chong, Qi; Zhou, Jianzhu; Yang, Youwen; Li, Hua **Source:** *Micromachines*, v 15, n 12, December 2024
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84. **Determination of Material and Fracture Properties of a Case-Hardened Planet Gear and Its Homogenisation Method to Obtain the Damage Mechanism Caused by Fragment Ingestion** (*Open Access*)

Jeßberger, Julia (Mechatronic Systems in Mechanical Engineering, Technical University of Darmstadt, Otto-Berndt-Straße 2, Darmstadt; 64287, Germany); Fischer, Christian; Rinderknecht, Stephan **Source:** *Materials*, v 17, n 2, January 2024
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Lv, You (School of Mechanical and Civil Engineering, Jilin Agricultural Science and Technology University, Jilin; 132101, China); Cui, Bo; Sun, Zhaolong; Xiao, Xinlei **Source:** *Surface Topography: Metrology and Properties*, v 12, n 3, September 2024
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Vakouftsis, Christos (National Technical University of Athens, Greece); Vasileiou, Georgios; Kaisarlis, Georgios; Kalligeros, Christos; Papalexis, Christos; Zalimidis, Pavlos; Provatidis, Christopher; Spitas, Vasileios **Source:** *International Journal of Powertrains*, v 13, n 3, p 225-247, 2024
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Zhang, Boyu (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing, China); Liu, Huaiju; He, Yongyong; Guagliano, Mario **Source:** *Fatigue and Fracture of Engineering Materials and Structures*, v 47, n 8, p 3000-3014, August 2024
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Yan, Letian (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400050, China); Yang, Changhui; Yang, Ge; Xin, Dong **Source:** *SSRN*, March 29, 2024
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Yan, Letian (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400050, China); Yang, Changhui; Ge, Yang; Xin, Dong **Source:** *Measurement: Journal of the International Measurement Confederation*, v 238, October 2024
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90. Numerical modeling and experimental investigation on fatigue failure and contact fatigue life forecasting for 8620H gear

Li, Xin (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, College of Mechanical and Electrical Engineering, Central South University, Hunan, Changsha; 410083, China); Shao, Wen; Tang, Jinyuan; Ding, Han; You, Shengyu; Zhao, Jiuyue; Chen, Jiling **Source:** *Engineering Fracture Mechanics*, v 296, February 9, 2024
Database: Compendex
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91. **A comprehensive optimization method for considering the theoretical and practical machining errors to the accurate power skiving of spur face gears by optimizing both cutting edges and tool path** (*Open Access*)

Wang, Zhiyong (College of Mechanical and Intelligent Manufacturing, Central South University of Forestry and Technology, Changsha; 410004, China); Tang, Zhongwei; Zhou, Yuansheng; Zeng, Biao; Tang, Jinyuan **Source:** *Journal of Computational Design and Engineering*, v 11, n 4, p 184-202, August 1, 2024
Open Access type(s): All Open Access, Gold
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92. **A flexible method to correct tooth surface deviation for CNC power skiving of face gears**

Le, Khoe-Qui (Department of Mechanical Engineering, National Central University, No. 300, Zhongda Rd., Zhongli District, Taoyuan City; 320317, Taiwan); Wu, Yu-Ren; Tran, Van-Quyet; Tran, Hoang-Quy **Source:** *International Journal of Advanced Manufacturing Technology*, v 134, n 7-8, p 3665-3685, October 2024
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Yonezawa, Hiroki (Graduate School of Science and Engineering, Saitama University, Shimo-Okubo 255, Sakura-ku, Saitama-shi, Saitama; 338-8570, Japan); Kaneko, Jun'ichi; Abe, Takeyuki; Irino, Naruhiro; Shinba, Yuta; Imabeppu, Yasuhiro **Source:** *International Journal of Abrasive Technology*, v 12, n 5, p 1-14, 2024
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Guo, Erkuo (School of Mechanical Engineering, Jiangsu University, Zhenjiang; 212013, China); Chen, Mingfeng; Liu, Chang; Gu, Xin **Source:** *International Journal of Advanced Manufacturing Technology*, v 132, n 9-10, p 5141-5152, June 2024
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95. **Evaluation of Machine Tool Dynamics in Dry Gear Hobbing Considering Time-Varying Thermal Effects**

Li, Benjie (School of Mechatronic Engineering, Southwest Petroleum University, Chengdu; 610500, China); Zhang, Chao; Yang, Xiao; Li, Huangshuai; Yu, Changlin; Li, Binglin **Source:** *SSRN*, May 27, 2024
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Wang, Jingchao (Hunan University, Hunan, Changsha; 410000, China); Yu, Jianwu; Huang, Kaifeng; Shang, Zhentao; Qian, Jun **Source:** *Journal of Physics: Conference Series*, v 2827, n 1, 2024
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Lohmann, Jörg (EMAG Koepfer GmbH, Villingen-Schwenningen, Germany) **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
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Huang, Kaifeng (College of Mechanical and Vehicle Engineering, Hunan University, Lushan South Road 2, Yuelu District, Hunan, Changsha; 410082, China); Yu, Jianwu; Luo, Hong; Shang, Zhentao; Huang, Shuai; Fu, Lin **Source:** *Mechanism and Machine Theory*, v 191, January 2024
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Zhang, Jinwen (Chongqing University, College of Mechanical and Vehicle Engineering, The State Key Laboratory of Mechanical Transmission, Chongqing; 400044, China); Li, Congbo; Li, Yongsheng; Wang, Ningbo; Li, Wei **Source:** *IEEE Transactions on Automation Science and Engineering*, v 21, n 3, p 3289-3297, 2024
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Aylott, Christopher (Design Unit, Newcastle University, United Kingdom); Vaidhianathasamy, Moorthy; Shaw, Brian **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
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Tambake, Nagesh (Department of Mechanical Engineering, Walchand Institute of Technology, Solapur, India); Deshmukh, Bhagyesh; Pardeshi, Sujit; Mahmoud, Haitham A.; Cep, Robert; Salunkhe, Sachin; Nasr, Emad Abouel **Source:** *Frontiers in Materials*, v 11, 2024
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Le, Khoe-Qui (Department of Mechanical Engineering, National Central University, 300, Zhongda Rd., Zhongli District, Taoyuan City; 320317, Taiwan); Wu, Yu-Ren; Luu, Trong-Thuan **Source:** *Journal of Manufacturing Science and Engineering*, v 146, n 9, September 1, 2024
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103. **A comprehensive evaluation of DLC coating on gear bending fatigue, contact fatigue, and scuffing performance**

Wu, Jizhan (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing; 400044, China); Wei, Peitang; Liu, Guoqiang; Chen, Difa; Zhang, Xiuhua; Chen, Taimin; Liu, Huaiju **Source:** *Wear*, v 536-537, January 15, 2024
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Gu, Biao (School of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400054, China); Wang, Yuhang; Tan, Rulong; Zhang, Weiqing **Source:** *Journal of Physics: Conference Series*, v 2761, n 1, 2024
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Li, Benjie (School of Mechatronic Engineering, Southwest Petroleum University, Chengdu; 610500, China); Zhu, Yingcai; Li, Huangshuai; Zheng, Hualin; Yang, Xiao; Guo, Liang **Source:** *Mechanical Systems and Signal Processing*, v 214, May 15, 2024
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Li, Xin (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, College of Mechanical and Electrical Engineering, Central South University, Changsha; 410083, China); Shao, Wen; Tang, Jinyuan; Zhang, Ding; Chen, Jiling; Zhao, Jiuyue; Wen, Yuqin **Source:** *Engineering Failure Analysis*, v 165, November 2024
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107. **Modelling and dynamic behaviours of a high-contact-ratio spur-gear system considering rough surface** (*Open Access*)

Cheng, Zhenbang (Anhui Undergrowth Crop Intelligent Equipment Engineering Research Center, West Anhui University, Lu'an, 237012, China); Zhou, Yu; Liu, Zhengyu **Source:** *Journal of Vibroengineering*, v 26, n 2, p 223-239, March 1, 2024
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Rong, Shifeng (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Central South University, Changsha; 410083, China); Zhang, Jiange; Zhang, Xing; Li, Keliang; Rong, Kaibin; Zhou, Zhenyu; Ding, Han **Source:** *Mechanism and Machine Theory*, v 191, January 2024
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109. Hobbing mechanism of worm gear tooth surface with wave edges of double enveloping toroidal worm gearing (*Open Access*)

Ma, Xiang (Tianjin Key Laboratory for Advanced Mechatronic System Design and Intelligent Control, School of Mechanical Engineering, Tianjin University of Technology, No. 391 Bingshuixi Road, Xiqing District, Tianjin; 300384, China); Rui, Chengjie; Zhao, Xiaoshuai; Jia, Zeyi **Source:** *Journal of Advanced Mechanical Design, Systems and Manufacturing*, v 18, n 6, 2024
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110. Numerical and experimental investigation on temperature field during small-module gear creep feed deep profile grinding

Yi, Jun (Hunan Provincial Key Laboratory of High Efficiency and Precision Machining of Difficult-to-Cut Material, Hunan University of Science and Technology, Xiangtan; 411201, China); Pei, Kanglin; Li, Zhihong; Zhou, Wei; Deng, Hui **Source:** *International Journal of Advanced Manufacturing Technology*, v 132, n 9-10, p 4965-4977, June 2024
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Zhou, Weihua (Powder Metallurgy Research Institute, Central South University, Changsha; 410083, China); Tang, Jinyuan; Rong, Kaibin; Li, Zhuan; Shao, Wen **Source:** *Journal of Manufacturing Processes*, v 132, p 659-676, December 26, 2024
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Yang, Shuying (College of Mechanical Engineering, Changshu Institute of Technology, Suzhou; 210016, China); Chen, Weifang; Zheng, Lei **Source:** *Journal of Manufacturing Processes*, v 124, p 1010-1024, August 30, 2024
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Li, Yan (School of Mechanical Engineering, University of Shanghai for Science and Technology, Shanghai; 260093, China); Li, Gang; Wang, Zhonghou; Zhu, Wenmin **Source:** *Precision Engineering*, v 88, p 664-673, June 2024
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Kai, Xu (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400054, China); Zheyu, Li; Guolong, Li; Liuqing, Du; Jianwei, Ji **Source:** *International Journal of Advanced Manufacturing Technology*, v 135, n 9-10, p 4963-4973, December 2024
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Aravindan, S. (Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam; 603102, India); Sreedharan, K.V.; Partha Sarathy, U.; John Arul, A. **Source:** *Lecture Notes in Mechanical Engineering*, p 431-444, 2024, *Fluid Mechanics and Fluid Power - Select Proceedings of FMFP 2022*
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116. Dynamic Modeling of Rolling Bearing Outer Ring Failure with Time-Varying Excitation Under Contact Deformation

Wu, Yangbiao (School of Mechanical Engineering, Inner Mongolia University of Science and Technology, Baotou; 014010, China); Zhang, Chao; Wang, Jianguo; Xu, Shuai **Source:** *Mechanisms and Machine Science*, v 151 MMS, p 777-783, 2024, *Proceedings of the UNIfied Conference of DAMAS, IncoME and TEPEN Conferences (UNIfied 2023) - Volume 1*
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117. Study of Wear in Subminiature Thrust Rolling Bearing (*Open Access*)

Kusznierewicz, Z. (Faculty of Mechatronics, Institute of Micromechanics and Photonics, Warsaw University of Technology, ±w. A. Boboli 8, Warsaw; 02-525, Poland); Michalowski, M.; Luczak, S.; Chanko, A.; Samsel, M.; Zarzycki, M.; Barczyk, R.; Kabzinski, B. **Source:** *Acta Physica Polonica A*, v 146, n 4, p 646-649, October 2024
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118. Influence of Wear on Surface Crack Growth of PPS Thrust Bearing in Water Lubrication under 2300 N at 1200 rpm (*Open Access*)

Kajiwara, Shuhei (University of Toyama, Gofuku 3190, Toyama; 930-8555, Japan); Machino, Sasuga; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2892, n 1, 2024
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119. Optimization of Restrictor Parameters and Static Characteristics Study on Orifice Type Hydrostatic Thrust Bearing (*Open Access*)

Chen, Yuanlong (School of Mechanical Engineering, Hefei University of Technology, Hefei; 230009, China); Wen, Xinyu; Wang, Yuqing; Wu, Muyao; Zhou, Jiarui; Wanyan, Shaoqi **Source:** *Mechanika*, v 30, n 6, p 507-513, 2024
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120. Simulation and Experimental on Thermal Behavior of Hydrostatic Thrust Bearing Based on Superhydrophobic/Oleophobic Surface

Guo, Minghui (State Key Laboratory of Intelligent Manufacturing Equipment and Technology, School of Mechanical Science and Engineering, Huazhong University of Science and Technology, Wuhan; 430074, China); Zhang, Guojun; Hu, Haidong; Tian, Zhuxin; Rong, Youmin; Huang, Yu; Wu, Congyi **Source:** *Journal of Tribology*, v 146, n 11, November 1, 2024
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121. **Adapting geometry-based polygonal contacts for simulating faulty rolling bearing dynamics** (*Open Access*)

Vehviläinen, Milla (VTT Technical Research Centre of Finland Ltd., P.O. Box 1000, VTT; FI-02044, Finland); Rahkola, Pekka; Keränen, Janne; Halme, Jari; Sopanen, Jussi; Liukkonen, Olli; Holopainen, Antti; Tammi, Kari; Belahcen, Anouar **Source:** *Mechanism and Machine Theory*, v 192, February 2024
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122. **Dynamic modeling and analysis of rolling bearing faults under time-varying excitations considering defect deformation** (*Open Access*)

Zhang, Chao (School of Mechanical Engineering, Inner Mongolia University of Science and Technology, Baotou; 014010, China); Wu, Yangbiao; Xu, Shuai; Qin, Feifan; Wu, Le; Ouyang, Bing **Source:** *Journal of Vibroengineering*, v 26, n 4, p 776-792, 2024
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123. **Real-time bearing fault classification of induction motor using enhanced inception ResNet-V2** (*Open Access*)

Kumar, Karan K. (Vellore Institute of Technology, Vellore, India); Mandava, Srihari **Source:** *Applied Artificial Intelligence*, v 38, n 1, 2024
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124. **Coupling effect of partial composite texture and thermal effect on the performance of hydrostatic bearing**

Chen, Dongju (Mechanical Industry Key Laboratory of Heavy Machine Tool Digital Design and Testing, Beijing Key Laboratory of Advanced Manufacturing Technology, College of Mechanical & Energy Engineering, Beijing University of Technology, Beijing, China); Cui, Yu; Sun, Kun; Fan, Jinwei; Cheng, Kai **Source:** *Lubrication Science*, v 36, n 5, p 407-419, August 2024
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125. **Thermal Characteristics of Oil Film in Critical Lubrication State of Heavy Hydrostatic Bearing**

Yanqin, Zhang (College of Mechanical Engineering, Nanjing Institute of Technology, Nanjing, China); Ye, Wu; Jiabao, Li; Mulan, Wang; Zhen, Quan **Source:** *Recent Patents on Mechanical Engineering*, v 17, n 4, p 304-311, 2024
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126. **Numerical investigation on the effects of crooked shaft washer of single row thrust ball bearing on its vibrational response**

Razavian, Hosein (Mechanical Engineering Department, Bu-Ali Sina University, Iran); Shooshtari, Alireza **Source:** *JVC/Journal of Vibration and Control*, v 30, n 3-4, p 531-544, February 2024
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127. Dynamic Performance of Spacecraft Flywheel Ball Bearing with Different Type and Distribution of Cage Pocket Shape

Gao, Shuai (Tsinghua University, Beijing; 100084, China); Liu, Lanyu; Han, Qinkai **Source:** *Mechanisms and Machine Science*, v 139, p 309-319, 2024, *Proceedings of the 11th IFToMM International Conference on Rotordynamics - Volume 1*
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128. Vibration properties of full ceramic bearing under elastohydrodynamic fluid lubrication based on the energy approach (*Open Access*)

Wu, Yuhou (School of Mechanical Engineering, Shenyang Jianzhu University, Liaoning, Shenyang; 110168, China); Guo, Jiancheng; Zhang, Xiaochen; Zhou, Peng; Meng, Weiying; Bai, Xu; Lu, He **Source:** *Case Studies in Thermal Engineering*, v 64, December 2024
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129. Experimental study on the influence of flexible structure and gas supply method on the characteristics of aerostatic tilting-pad bearing

Huang, LingFeng (School of Mechanical Engineering and Automation, Shanghai University, Shanghai, China); Zhu, Liming; Yi, Shuxiang; Zhang, Xiaohan; Wang, Xiaojing; Li, Xiangyu **Source:** *Industrial Lubrication and Tribology*, 2024 Article in Press
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130. Characterization of Thermal Conductance Between a Ball and Parallel Plates for Spacecraft Bearing Applications

Walsh, Natalie F. (Thermal Control Department, The Aerospace Corporation, El Segundo; CA; 90245, United States); Takeuchi, Yoshimi R.; Zhang, Zhuomin M.; McHale, John P. **Source:** *AIAA Aviation Forum and ASCEND, 2024*, 2024, *AIAA Aviation Forum and ASCEND, 2024*
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131. Ultra-Robust and High-Performance Rotational Triboelectric Nanogenerator by Bearing Charge Pumping (*Open Access*)

Fu, Xianpeng (CAS Center for Excellence in Nanoscience, Beijing Key Laboratory of Micro-nano Energy and Sensor, Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, Beijing; 101400, China); Qin, Yuhan; Zhang, Zhi; Liu, Guoxu; Cao, Jie; Fan, Beibei; Wang, Zhaozheng; Wang, Zheng; Zhang, Chi **Source:** *Energy and Environmental Materials*, v 7, n 2, March 2024
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132. Commercial road vehicles — Ball-bearing turntable — Interchangeability

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133. Long-Term Investigations of Different Bearing Configurations at Solid-Lubricated Rolling Bearings (*Open Access*)

Werner, Michel (RPTU Kaiserslautern Landau, Institute of Machine Elements, Gears and Tribology, Kaiserslautern, Germany); Emrich, Stefan; Koch, Oliver; Sauer, Bernd; Kopnarski, Michael **Source:** *Tribology Transactions*, v 67, n 3, p 401-410, 2024
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134. Dynamic Characteristics Analysis of Wind Turbine Gear System Considering Bearing Defects

Zhao, Lijuan (School of Mechanical Engineering, Ningxia Institute of Science and Technology, Shizuishan, China); Yang, Hexu **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13081, 2024, *Third International Conference on Advanced Manufacturing Technology and Electronic Information, AMTEI 2023*
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135. A Novel 3d Design of the Hydrodynamic Pocketed Thrust Bearing with Slip Engineered for Eliminating Cavitation

Syafaat, Imam (Department of Mechanical Engineering, Faculty of Engineering, Universitas Wahid Hasyim, Jln. Raya Gunungpati KM. 15, Nongkosawit, Gunungpati, Semarang; 50224, Indonesia); Nugroho, Agung; Sodikin, Muchammad; Hida, Ajib Akmal; Ratnani, Rita Dwi; Setiyana, Budi; Muchammad, Muchammad; Tauviqirrahman, Mohammad **Source:** *SSRN*, August 19, 2024
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136. Simulation and Experimental Research on Rolling Bearing with Rolling Body Defect under Starved Lubrication Condition

Huo, Zhongtang (Mechanical and Electrical College, Handan University, Handan; 056000, China); Chen, Jianqi; Hao, Lingjuan; Gao, Jiansong **Source:** *Journal of Failure Analysis and Prevention*, v 24, n 6, p 2794-2805, December 2024
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137. Durability of Aircraft Gas Turbine Mainshaft Ball Bearing Applying Surface and Subsurface Survival (*Open Access*)

Morales-Espejel, Guillermo Enrique (SKF Research and Technology Development, Meidoornkade 14, Houten; 3992 AE, Netherlands); Misiaszek, Matthew; Lengagne, Thomas; Guo, Liang **Source:** *Tribology Online*, v 19, n 6, p 573-583, 2024
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138. A 3D design of the hydrodynamic pocketed thrust bearing with slip engineered for eliminating cavitation (*Open Access*)

Syafaat, Imam (Department of Mechanical Engineering, Faculty of Engineering, Universitas Wahid Hasyim, Jln. Raya Gunungpati KM. 15, Nongkosawit, Gunungpati, Semarang; 50224, Indonesia); Nugroho, Agung; Sodikin, Muchammad; Hida, Ajib Akmal; Ratnani, Rita Dwi; Setiyana, Budi; Muchammad, Muchammad; Tauviqirrahman, Mohammad **Source:** *Results in Engineering*, v 24, December 2024
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139. Multiscale hydrodynamics in thrust bearing involving surface roughness

Huang, Chen (College of Mechanical Engineering, Changzhou University, Jiangsu Province, Changzhou, China); Zhang, Yongbin **Source:** *Continuum Mechanics and Thermodynamics*, v 36, n 3, p 445-458, May 2024
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140. Time-variant reliability analysis of angular contact ball bearing considering the coupled effect of rolling contact fatigue damage and wear

Xie, Bin (School of Mechanical Engineering and Automation, Beihang University, Beijing; 100191, China); Wang, Yanzhong; Zhu, Yunyi; Liu, Peng; Wu, Yu; Lu, Fengxia **Source:** *Reliability Engineering and System Safety*, v 241, January 2024
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141. Rolling contact fatigue analysis of the soft zone for the main bearing in a tunnel boring machine

Wang, Xinqi (School of Mechanical Engineering, Dalian University of Technology, No. 2, Linggong Road, Ganjingzi District, Liaoning Province, Dalian; 116024, China); Sun, Wei; Wang, Lintao; Liang, Shihu; Chi, Huashan; Yuan, Bo **Source:** *Engineering Failure Analysis*, v 162, August 2024
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142. Relating rolling contact fatigue (RCF) life to the microstructure evolution in aerospace grade bearing steels: A comparison of Cronidur-30 with AISI 440C

Rejith, R. (Bearings and Space Tribology Group, ISRO Inertial Systems Unit, Vattiyoorkavu, Trivandrum; 695013, India); Arivu, Y.; Kesavan, D.; Chakravarthy, P.; Narayana Murty, S.V.S. **Source:** *International Journal of Fatigue*, v 186, September 2024
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143. Advancing the understanding of short fatigue crack propagation: Leveraging ultrasonic testing device to approach rolling contact fatigue (*Open Access*)

Didier, Adrien (INSA Lyon, CNRS, LaMCoS, UMR 5259, Villeurbanne; 69621, France); Naouar, Naim; Deterre, Geoffray; Chaudet, Philippe; Nelias, Daniel **Source:** *Materialia*, v 38, December 2024
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144. Micromechanical response of dual-hardening martensitic bearing steel before and after rolling contact fatigue (*Open Access*)

Loaiza, Tania (Department of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm, SE 100 44, Sweden); Fischer, Tim; Babu, Revathy Prasath; Hedström, Peter **Source:** *Journal of Materials Research and Technology*, v 29, p 4728-4734, March 1, 2024
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145. **A rolling contact fatigue life prediction model for bearing steel considering its gradient structure due to cyclic hardening**

Zhao, Yue (School of Mechanical Electronic & Control Engineering, Beijing Jiaotong University, Beijing, China); Wang, Xi; Guo, Rubing; Sun, Shouguang **Source:** *International Journal of Damage Mechanics*, v 33, n 4, p 293-309, April 2024
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146. **A multiaxial fatigue method for rolling contact fatigue life prediction of axle box bearing under wheel-rail excitation conditions**

Zhao, Yue (School of Mechanical Electronic & Control Engineering, Beijing Jiaotong University, Beijing; 100044, China); Hou, Yu; Wang, Xi; Wei, Jiaqi; Shi, Huailong; Sha, Chengyu; Sun, Shouguang **Source:** *Engineering Failure Analysis*, v 159, May 2024
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147. **Study on predicting rolling contact fatigue of pitch bearing raceway in offshore wind turbine**

He, Haifeng (School of Mechanical and Electrical Engineering, Guizhou Normal University, 550025, China); Chen, Yiming; Jin, Xin; Liu, Heli; Wang, Chunmei **Source:** *International Journal of Fatigue*, v 184, July 2024
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148. **IKonPro®: A software for the probabilistic prediction of rolling contact fatigue** (*Open Access*)

Escalero, Mikel (Ikerlan Technology Research Center, Basque Research and Technology Alliance, Spain); Olave, Mireia; Behnke, Karsten; Muñiz-Calvente, Miguel **Source:** *Journal of Physics: Conference Series*, v 2692, n 1, 2024
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149. **Modelling micropit formation in rolling contact fatigue of bearings with a crystal plasticity damage theory coupled with cohesive finite elements**

Han, Xinqi (School of Mechanical Engineering and Mechanics, Key Laboratory of Part Rolling of Zhejiang Province, Ningbo; 315211, China); Li, Shuxin; Sun, Chengqi; Lu, Siyuan **Source:** *Engineering Fracture Mechanics*, v 297, February 21, 2024
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150. **Rolling contact fatigue failure mechanism of bearing steel on different surface roughness levels under heavy load**

Xia, Zhuofan (School of Materials Science and Engineering, University of Science and Technology of China, 72 Wenhua Road, Shenyang; 110016, China); Wu, Di; Zhang, Xiaochen; Wang, Jianqiu; Han, En-Hou **Source:** *International Journal of Fatigue*, v 179, February 2024
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151. Fundamental relationship between rolling contact fatigue driven surface damage and torsional fatigue

Singh, Kushagra (School of Mechanical Engineering, Purdue University, West Lafayette; IN; 47907, United States); Sadeghi, Farshid **Source:** *International Journal of Mechanical Sciences*, v 264, February 15, 2024
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152. On the influence of secondary branches on crack propagation in rolling contact fatigue (*Open Access*)

Zaid, Mael (Airbus Helicopters, Aéroport International Marseille Provence, Marignane; 13700, France); Doquet, Véronique; Chiaruttini, Vincent; Depouhon, Pierre; Bonnand, Vincent; Pacou, Didier **Source:** *International Journal of Fatigue*, v 182, May 2024
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153. A Study on the Damage Behavior of Hybrid 60 and 52100 Steel during Rolling Contact Fatigue

Loaiza, Tania (Dept. of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm; SE 100 44, Sweden); Ooi, Steve; Babu, Revathy Rajan Prasath; Ölund, Patrik; Hedström, Peter **Source:** *ASTM Special Technical Publication*, v STP 1649, p 525-540, 2024, *Bearing and Transmission Steels Technology*
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154. Observation of wear around surface crack of PEEK thrust bearing under rolling contact fatigue in water (*Open Access*)

Machino, Sasuga (University of Toyama, Gofuku, Toyama; 3190, Japan); Shinkai, Shogo; Matsueda, Takahiro; Mizobe, Koshiro; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2845, n 1, 2024
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155. Microstructural decay of matrix and precipitates during rolling contact fatigue in a martensitic dual-hardening bearing steel (*Open Access*)

Loaiza, Tania (Department of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm; SE 100 44, Sweden); Ooi, Steve; Yildiz, Ahmet Bahadir; Dahlström, Alexander; Babu, R. Prasath; Hedström, Peter **Source:** *Materials and Design*, v 244, August 2024
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156. Effect of primary carbides on rolling contact fatigue behaviors of M50 bearing steel

Shao, Ziheng (Institute of Metal Research, Chinese Academy of Sciences, Shenyang; 110016, China); Zhu, Yankun; Zhang, Peng; Cao, Yanfei; Wang, Bin; Xu, Zikuan; Liu, Hanzhong; Gu, Xuezhong; Liu, Hongwei; Li, Dianzhong; Zhang, Zhefeng **Source:** *International Journal of Fatigue*, v 179, February 2024
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157. **Relating Rolling Contact Fatigue Life to the Microstructure Evolution in Cronidur-30 Bearing Steel**

Rejith, R. (Bearings and Space Tribology Group, ISRO, Inertial Systems Unit, Vattiyoorkavu, Trivandrum; 695013, India); Arivu, Y.; Kesavan, D.; Chakravarthy, P.; Narayana Murty, S.V.S. **Source:** *SSRN*, February 18, 2024
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158. **Exploring the ultrahigh rolling contact fatigue life of M50 bearing steel by adjusting the cryogenic sequence** (*Open Access*)

Cai, Xin (Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, Shenyang; 110016, China); Hu, Xiaoqiang; Lu, Xingyu; Liu, Hongwei; Cao, Yanfei; Li, Dianzhong **Source:** *Journal of Materials Science and Technology*, v 169, p 243-250, January 10, 2024
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159. **Review of rolling contact fatigue life calculation for oscillating bearings and application-dependent recommendations for use** (*Open Access*)

Menck, Oliver (Fraunhofer Institute for Wind Energy Systems Iwes, Am Schleusengraben 22, Hamburg; 21029, Germany); Stammler, Matthias **Source:** *Wind Energy Science*, v 9, n 4, p 777-798, April 5, 2024
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160. **Extended crack propagation in nitrided and carburised steels subject to rolling contact fatigue**

Lecouffe, A. (INSA Lyon, CNRS, LaMCoS, UMR5259, Villeurbanne; 69621, France); Kleber, X.; Ville, F.; Cavoret, J.; Zamponi, L.; Ruellan, A. **Source:** *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, v 238, n 12, p 1626-1632, December 2024
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161. **Microstructure effects on improving rolling contact fatigue by a double-quenching heat treatment process for GCr15 steel**

Zhang, Wenhu (School of Mechatronics Engineering, Henan University of Science and Technology, Luoyang; 471000, China); Li, Wanjia; Liu, He; He, Tiantian; Deng, Sier; Tian, Heng; Cao, Wenquan **Source:** *Tribology International*, v 194, June 2024
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162. **Rolling Contact Fatigue Life and Categorization of Failure in Experiment of Flat PEEK Race-Alumina Ball Bearings in Water Lubrication under 1700 N at 1000 rpm** (*Open Access*)

Matsubayashi, Soji (University of Toyama, Gofuku, Toyama; 3190, Japan); Kajiwara, Shuhei; Matsueda, Takahiro; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2845, n 1, 2024
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163. Peridynamic modeling of hydrogen-assisted white etching cracks in bearing steel under rolling contact fatigue (*Open Access*)

Wang, Lanwen (Department of Mechanical Engineering, Tsinghua University, Beijing; 100084, China); Sheng, Xuanyu; Yao, Zhimeng; Luo, Jianbin **Source:** *International Journal of Fatigue*, v 173, August 2023
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164. Influence of MnS inclusion characteristics on generation of white etching cracks in 100Cr6 bearing steel

Kiranbabu, Srikakulapu (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf; 40237, Germany); Morsdorf, Lutz; Gonzalez, Ivan; Kölling, Michael; Broß, Christian; Ponge, Dirk; Herbig, Michael; Mayweg, David **Source:** *Wear*, v 534-535, December 15, 2023
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165. The Formation of White Etching Cracks Under Various Conditions in an Electrical Environment =

Zurcher, Manuel (Friedrich-Alexander-Universitaet Erlangen-Nuernberg (Germany)) **Source:** *ProQuest Dissertations and Theses Global*, 2024
Database: Compendex
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166. White etching area damage induced by shear localization in rolling contact fatigue of bearing steel

Chen, Jin-Hua (School of Mechanical Engineering and Mechanics, Key Laboratory of Impact and Safety Engineering of Ministry of Education Ningbo University, Ningbo, China); Xie, Chao; Li, Shu-Xin; Lu, Si-Yuan **Source:** *Fatigue and Fracture of Engineering Materials and Structures*, v 47, n 1, p 170-186, January 2024
Database: Compendex
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167. Influence of additive-derived reaction layers on white etching crack failure of SAE 52100 bearing steel under rolling contact loading

Steinweg, Florian (Institute for Materials Applications in Mechanical Engineering, RWTH Aachen University, Augustinerbach 4, Aachen; 52062, Germany); Mikitisin, Adrian; Janitzky, Thomas L.M.; Richter, Silvia; Weirich, Thomas E.; Mayer, Joachim; Broeckmann, Christoph **Source:** *Tribology International*, v 180, February 2023
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168. Microstructure characteristics and formation mechanisms of white etching layer (WEL) and brown etching layer (BEL) on martensite bearing raceway (*Open Access*)

Zhang, Xiaochen (School of Materials Science and Engineering, University of Science and Technology of China, 72 Wenhua Road, Shenyang; 110016, China); Wu, Di; Xia, Zhuofan; Zhang, Yaming; Li, Yifeng; Wang, Jianqiu; Han, En-Hou **Source:** *Journal of Materials Research and Technology*, v 25, p 4876-4887, July 1, 2023
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169. Simulation study of Rayleigh wave inspection of subsurface white etching crack in bearing rollers (*Open Access*)

Wu, Chenchen (School of Mechatronic and Automation Engineering, Shanghai University, Shanghai; 200444, China); Zhu, Qi; Su, Zhan; Xu, Duo; Zhang, Haiyan **Source:** *Journal of Physics: Conference Series*, v 2822, n 1, 2024
Open Access type(s): All Open Access, Gold
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170. Angular contact ball bearing skidding mechanism analysis and diagnosis considering flexible rotor characteristics

Ma, Leiming (College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China); Jiang, Bin; Lu, Ningyun; Xiao, Lingfei; Guo, Qintao **Source:** *Mechanical Systems and Signal Processing*, v 207, January 15, 2024
Database: Compendex
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171. Multiscale modelling and simulation of subsurface carbide deformation during the formation of white etching areas

Peela, Agastya (Institute for Materials Applications in Mechanical Engineering (IWM), RWTH Aachen University, Augustinerbach 4, Aachen; 52062, Germany); Spille, Joshua; Steinweg, Florian; Janitzky, Thomas; Schwedt, Alexander; Mayer, Joachim; Broeckmann, Christoph **Source:** *Wear*, v 512-513, January 15, 2023
Database: Compendex
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172. Investigation on skidding behavior of a lubricated rolling bearing with fluid–solid-heat coupling effect

Liu, Yuqing (State Key Laboratory of Rail Transit Vehicle System, Southwest Jiaotong University, Chengdu; 610031, China); Chen, Zaigang; Zhai, Wanming; Lei, Yaguo **Source:** *Mechanical Systems and Signal Processing*, v 206, January 1, 2024
Database: Compendex
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173. Investigation on Skidding Characteristics and Dynamic Responses of Rolling Element Bearing Under Thermal Elastohyrodynamic Lubrication

Kang, Jianxiong (Lanzhou University of Technology, School of Mechanical & Electrical Engineering, Lanzhou; 730050, China); Luo, Wei; Yan, Changfeng; Liu, Yaofeng; Lü, Yanjun; Wu, Lixiao **Source:** *SSRN*, November 8, 2023
Database: Compendex
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174. Study of Skidding and Friction Torque for a Deep Groove Ball Bearing in a Permanent Magnet Synchronous Motor

Xu, Yajun (School of Marine Science and Technology, Northwestern Polytechnical University, Xi'an, China); Li, Xinbin; Liu, Jing **Source:** *Lecture Notes in Mechanical Engineering*, p 1797-1806, 2024, *Proceedings of the 2nd International Conference on Mechanical System Dynamics - ICMSD 2023*
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175. **Skidding and spinning investigation for dry-lubricated angular contact ball bearing under combined loads** (*Open Access*)

Zhao, Yuhao (State Key Laboratory for Manufacturing and Systems Engineering, Xi'an Jiaotong University, Xi'an; 710049, China); Ma, Zikui; Zi, Yanyang **Source:** *Friction*, v 11, n 11, p 1987-2007, November 2023
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176. **Effect of dented residual stress on the surface-defect-induced pitting under rolling contact loading of M50 bearing steel**

Li, Wanjia (School of Mechatronics Engineering, Harbin Institute of Technology, Heilongjiang, Harbin; 150001, China); Meng, Xiangxu; Shu, Kun; Zheng, Dezhi; Wang, Tingjian; Gu, Le; Wang, Liqin; Zhang, Chuanwei **Source:** *Tribology International*, v 194, June 2024
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177. **Influence of White Etching Bands Formation on Integrity of Rolling Element Bearings** (*Open Access*)

El Laithy, Mostafa (National Center for Advanced Tribology at Southampton (nCATS), University of Southampton, University Road, Southampton; SO17 1BJ, United Kingdom); Wang, Ling; Harvey, Terry J.; Vierneusel, Bernd **Source:** *Tribology Online*, v 18, n 6, p 373-384, October 31, 2023
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178. **Experimental research on heat treatment process and performance of GCr15 steel bearing ring for new energy vehicle drive motor**

Yang, Jianxi (College of Sino-German, Taizhou Vocational & Technical College, Zhejiang, Taizhou; 318000, China); Lin, Haibo; Zhang, Hongwei **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 12983, 2024, *Second International Conference on Electrical, Electronics, and Information Engineering, EEIE 2023*
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179. **A nonlinear dynamic analysis of skidding behavior in rolling bearings using lubricant traction coefficients and cage flexibility**

Atef, Mahmoud M. (Industrial and Manufacturing Engineering Department, School of Innovative Design Engineering, Egypt-Japan University of Science and Technology, New Borg El-Arab City; 21934, Egypt); Khair-Eldeen, Wael; Yan, Jiwang; Nassef, Mohamed G.A. **Source:** *Tribology International*, v 197, September 2024
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180. **A study on the three key concepts of White Etching Crack failure mode in its very early stages - Contrast with different testing methods** (*Open Access*)

López-Uruñuela, Fernando José (Tekniker, Basque Research and Technology Alliance (BRTA), C/ Iñaki Goenaga, 5, Eibar; 20600, Spain); Wang, Ling; Fernández, Beatriz; Aguirrebeitia, Josu; Pinedo, Bihotz **Source:** *Wear*, v 530-531, October 15, 2023
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181. Characteristics of vibration response of ball bearing with local defect considering skidding

Tian, Yu (School of Mechanical and Electrical Engineering, Lanzhou University of Technology, Lanzhou; 730050, China); Yan, Changfeng; Liu, Yaofeng; Luo, Wei; Kang, Jianxiong; Wang, Zonggang; Wu, Lixiao **Source:** *Journal of Mechanical Science and Technology*, v 37, n 11, p 5695-5711, November 2023
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182. Measurement of Internal Residual Stress of Three-Directional Components and Estimation of Inherent Strain in Carburized Steel for Large Rolling Bearings by Combining the Contour Method and XRD Method (*Open Access*)

Tsutsumi, Masako (Core Technology R&D Center, NSK Ltd., Fujisawa; 251-8501, Japan); Yamagami, Shota; Narasaki, Kunio; Watanuki, Daisuke; Miyamoto, Yuji; Ma, Ninshu **Source:** *Materials Transactions*, v 65, n 9, p 1099-1107, September 1, 2024
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183. Skidding behavior of lubricated rolling element bearings under the influence of oil film and radial clearances (*Open Access*)

Xu, Minmin (School of Mechanical Engineering, Guangxi University, Nanning; 530004, China); Wang, Mingchun; He, Dong; Ding, Xiaoxi; Shao, Yimin; Gu, Fengshou **Source:** *Tribology International*, v 194, June 2024
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184. Roller Bearing Skidding for Aero-Engine Applications: All-Steel Versus Hybrid Bearings

Dadouche, Azzedine (Aerospace Research Centre, National Research Council of Canada, Ottawa; ON; K1A 0R6, Canada); Kerrouche, Rami **Source:** *Journal of Engineering for Gas Turbines and Power*, v 145, n 1, February 1, 2023
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185. Dynamic, thermal, and vibrational analysis of ball bearings with over-skidding behavior (*Open Access*)

Gao, Shuai (Department of Mechanical Engineering, Politecnico di Milano, Via G. La Masa 1, Milan; 20156, Italy); Han, Qinkai; Pennacchi, Paolo; Chatterton, Steven; Chu, Fulei **Source:** *Friction*, v 11, n 4, p 580-601, April 2023
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186. Thoughts on a standardized FE-8 Test for the assessment of the WEC-carrying capacity of lubricants in rolling bearings

Leimann, Dirk-Olaf (Düsseldorfer Straße 4, Moers; 47441, Germany) **Source:** *Tribologie und Schmierungstechnik*, v 71, n 3, p 32-39, 2024
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187. **The effect of current and lambda on white-etch-crack failures** (*Open Access*)

Demas, Nicholaos G. (Argonne National Laboratory, United States); Lorenzo-Martin, Cinta; Luna, Ryan; Erck, Robert A.; Greco, Aaron C. **Source:** *Tribology International*, v 189, November 2023
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