



ASA INTERNATIONAL STANDARDS CATALOG 35-2012

INTERNATIONAL STANDARDS ON ACOUSTICS AND VIBRATIONS

Introduction

The Standards Publication Program of the Acoustical Society of America (ASA) is the responsibility of the ASA Committee on Standards (ASACOS) and the ASA Standards Secretariat, headed by its Standards Manager.

The Acoustical Society of America provides the Secretariat for four national standards committees accredited by the American National Standards Institute (ANSI): S1 on Acoustics, S2 on Mechanical Vibration and Shock, S3 on Bioacoustics, and S12 on Noise.

These four accredited standards committees also provide the United States input to various international committees (IEC and ISO). Standards Committees S1 Acoustics and S3 Bioacoustics provide the United States input to **ISO/TC 43** Acoustics, and **IEC/TC 29** Electroacoustics, as the Technical Advisory Groups. S12 on Noise serves as the U.S. Technical Advisory Group for **ISO/TC 43/SC 1** Noise.

S2 serves as the U.S. Technical Advisory Group for **ISO/TC 108** Mechanical Vibration, Shock and Condition Monitoring; **ISO/TC 108/SC 2** Measurement and Evaluation of Mechanical Vibration and Shock as Applied to Machines, Vehicles, and Structures; **ISO/TC 108/SC 3** Use and Calibration of Vibration and Shock Measuring Instruments; **ISO/TC 108/SC 4** Human Exposure to Mechanical Vibration and Shock; and **ISO/TC 108/SC 5** Condition Monitoring and Diagnostics of Machines.

ASACOS and the ASA Standards Secretariat provide administration for the U.S. Technical Advisory Groups listed above and administer the International Secretariats for **ISO/TC 108** Mechanical Vibration, Shock and Condition Monitoring, and **ISO/TC 108/SC 5** Condition Monitoring and Diagnostics of Machines.

International standards are confirmed, revised, or withdrawn every five years. The latest information on international standards, as well as those under preparation, is available from the Standards Secretariat.

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International standards produced by the Subcommittee(s) that exist under these Technical Committees (noted above) are not designated by ISO separately from the main Technical Committees. The developing subcommittee is listed only inside the standard. However, you will find the standards listed by specific subcommittee in this International Standards Catalog. For example, an international standard on acoustics, which is developed by ISO/TC 43, can be found under ISO/TC 43.

Note: For related national standards, please refer to the ASA National Standards Catalog.

For further information on the ASA Standards Publication Program,
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ISO/TC 43 ACOUSTICS

- **ISO 16:1975** Acoustics - Standard tuning frequency (standard musical pitch). *Price: \$46.00.*
- **ISO 226:2003** Acoustics - Normal equal-loudness-level contours. *Price: \$112.00.*
- **ISO 266:1997** Acoustics - Preferred frequencies. *Price: \$53.00.*
- **ISO 389-1:1998** Acoustics - Reference zero for the calibration of audiometric equipment - Part 1: Reference equivalent threshold sound pressure levels for pure tones and supra-aural earphones. *Price: \$70.00.*
- **ISO 389-2:1994** Acoustics - Reference zero for the calibration of audiometric equipment - Part 2: Reference equivalent threshold sound pressure levels for pure tones and insert earphones. *Price: \$70.00.*
- **ISO 389-3:1994** Acoustics - Reference zero for the calibration of audiometric equipment - Part 3: Reference equivalent threshold force levels for pure tones and bone vibrators. *Price: \$80.00.* This Standard includes: **ISO 389-3:1994/COR. 1:1995** Technical Corrigendum 1 to ISO 389-3:1994.
- **ISO 389-4:1994** Acoustics - Reference zero for the calibration of audiometric equipment - Part 4: Reference levels for narrow-band masking noise. *Price: \$53.00.*
- **ISO 389-5:2006** Acoustics - Reference zero for the calibration of audiometric equipment - Part 5: Reference equivalent threshold sound pressure levels for pure tones in the frequency range 8 kHz to 16 kHz. *Price: \$60.00.*
- **ISO 389-6:2007** Acoustics - Reference zero for the calibration of audiometric equipment - Part 6: Reference threshold of hearing for test signals of short duration. *Price: \$80.00.*
- **ISO 389-7:2005** Acoustics - Reference zero for the calibration of audiometric equipment - Part 7: Reference threshold of hearing under free-field and diffuse-field listening conditions. *Price: \$80.00.*
- **ISO 389-8:2004** Acoustics - Reference zero for the calibration of audiometric equipment - Part 8: Reference equivalent threshold sound pressure levels for pure tones and circumaural earphones. *Price: \$70.00.*
- **ISO 389-9:2009** Acoustics - Reference zero for the calibration of audiometric equipment - Part 9: Preferred test conditions for the determination of reference hearing threshold levels. *Price: \$80.00.*
- **ISO 532:1975** Acoustics - Method for calculating loudness level. *Price: \$112.00.*
- **ISO 1683:2008** Acoustics - Preferred reference values for acoustical and vibratory levels. *Price: \$53.00.*
- **ISO 7029:2000** Acoustics - Statistical distribution of hearing thresholds as a function of age. *Price: \$80.00.*
- **ISO 8253-1:2010** Acoustics - Audiometric test methods – Part 1: Pure-tone air and bone conduction audiometry. *Price: \$142.00.*
- **ISO 8253-2:2009** Acoustics - Audiometric test methods – Part 2: Sound field audiometry with pure-tone and narrow-band test signals. *Price: \$104.00.*
- **ISO 8253-3:1996** Acoustics - Audiometric test methods – Part 3: Speech audiometry. *Price: \$112.00.*
- **ISO 11904-1:2002** Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 1: Technique using a microphone in a real ear (MIRE technique). *Price: \$120.00.*
- **ISO 11904-2:2004** Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 2: Technique using a manikin. *Price: \$104.00.*
- **ISO 12124:2001** Acoustics - Procedures for the measurement of real-ear acoustical characteristics of hearing aids. *Price: \$112.00.*
- **ISO 16832:2006** Acoustics – Loudness scaling by means of categories. *Price: \$90.00.*
- **ISO 28961:2012** Acoustics – Statistical distribution of hearing thresholds of otologically normal persons in the age range from 18 years to 25 years under free-field listening conditions. *Price: \$90.00.*

ISO/TC 43/SC 1 NOISE

- **ISO 362-1:2007** Measurement of noise emitted by accelerating road vehicles - Engineering method – Part 1: M and N categories. *Price: \$192.00.*
- **ISO 362-1:2007/COR. 1:2009** Technical Corrigendum 1 to ISO 362-1:2007. *Price: \$0.00.*
- **ISO 362-2:2009** Measurement of noise emitted by accelerating road vehicles - Engineering method – Part 2: L category. *Price: \$157.00.*
- **ISO 1680:1999** Acoustics - Test code for the measurement of airborne noise emitted by rotating electrical machines. *Price: \$104.00.*
- **ISO 1996-1:2003** Acoustics – Description, measurement and assessment of environmental noise - Part 1: Basic quantities and assessment procedures. *Price: \$135.00.*
- **ISO 1996-2:2007** Acoustics – Description, measurement and assessment of environmental noise - Part 2: Determination of environmental noise levels. *Price: \$164.00.*
- **ISO 1999:1990** Acoustics - Determination of occupational noise exposure and estimation of noise-induced hearing impairment. *Price: \$112.00.*
- **ISO 2922:2000** Acoustics - Measurement of airborne sound emitted by vessels on inland waterways and harbours. *Price: \$80.00.*
- **ISO 2923:1996** Acoustics - Measurement of noise on board vessels. *Price: \$70.00.* This Standard includes: **ISO 2923:1996/COR. 1:1997** Technical Corrigendum 1 to ISO 2923:1996.
- **ISO 3095:2005** Railway applications – Acoustics - Measurement of noise emitted by railbound vehicles. *Price: \$150.00.*
- **ISO 3381:2005** Railway applications - Acoustics - Measurement of noise inside railbound vehicles. *Price: \$112.00.*
- **ISO 3740:2000** Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards. *Price: \$135.00.*
- **ISO 3741:2010** Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure – Precision methods for reverberation rooms. *Price: \$204.00.*
- **ISO 3743-1:2010** Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for small movable sources in reverberant fields – Part 1: Comparison method for a hard-walled test room. *Price: \$164.00.*
- **ISO 3743-2:1994** Acoustics - Determination of sound power levels of noise sources using sound pressure – Engineering methods for small, movable sources in reverberant fields – Part 2: Methods for special reverberation test rooms. *Price: \$120.00.*
- **ISO 3744:2010** Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods in an essentially free field over a reflecting plane. *Price: \$218.00.*
- **ISO 3745:2003** Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and hemi-anechoic rooms. *Price: \$172.00.*
- **ISO 3746:2010** Acoustics - Determination of sound power levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane. *Price: \$181.00.*
- **ISO 3747:2010** Acoustics - Determination of sound power levels of noise sources using sound pressure – Engineering/survey methods for use *in situ* in a reverberant environment. *Price: \$172.00.*
- **ISO 4869-1:1990** Acoustics - Hearing protectors - Part 1: Subjective method for the measurement of sound attenuation. *Price: \$70.00.*
- **ISO 4869-2:1994** Acoustics - Hearing protectors - Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn. *Price: \$90.00.* This Standard includes: **ISO 4869-2:1994/COR. 1:2006** Technical Corrigendum 1 to ISO 4869-2:1994.
- **ISO 4869-3:2007** Acoustics - Hearing protectors - Part 3: Measurement of insertion loss of ear-muff type protectors using an acoustic test fixture. *Price: \$90.00.*

- **ISO/TR 4869-4:1998** Acoustics - Hearing protectors - Part 4: Measurements of effective sound pressure levels for level dependent sound-restoration ear-muffs. *Price: \$70.00.*
- **ISO/TS 4869-5:2006** Acoustics - Hearing protectors - Part 5: Method for estimation of noise reduction using fitting by inexperienced test subjects. *Price: \$112.00.*
- **ISO 4871:1996** Acoustics - Declaration and verification of noise emission values of machinery and equipment. *Price: \$98.00.*
- **ISO 5128:1980** Acoustics - Measurement of noise inside motor vehicles. *Price: \$60.00.*
- **ISO 5129:2001** Acoustics - Measurement of sound pressure levels in the interior of aircraft during flight. *Price: \$80.00.*
- **ISO 5130:2007** Acoustics - Measurement of sound pressure level emitted by stationary road vehicles. *Price: \$112.00.*
- **ISO 5135:1997** Acoustics - Determination of sound power levels of noise from air-terminal devices, air-terminal units, dampers and valves by measurement in a reverberation room. *Price: \$98.00.*
- **ISO 5136:2003** Acoustics - Determination of sound power radiated into a duct by fans and other air-moving devices - In-duct method. *Price: \$204.00.*
- **ISO 6926:1999** Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels. *Price: \$90.00.*
- **ISO 7196:1995** Acoustics - Frequency-weighting characteristic for infrasound measurements. *Price: \$60.00.*
- **ISO 7235:2003** Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss. *Price: \$181.00.*
- **ISO 7574-1:1985** Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 1: General considerations and definitions. *Price: \$53.00.*
- **ISO 7574-2:1985** Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 2: Methods for stated values for individual machines. *Price: \$46.00.*
- **ISO 7574-3:1985** Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 3: Simple (transition) method for stated values for batches of machines. *Price: \$46.00.*
- **ISO 7574-4:1985** Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 4: Methods for stated values for batches of machines. *Price: \$98.00.*
- **ISO 7779:2010** Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment. *Price: \$204.00.*
- **ISO/TS 7849-1:2009** Acoustics - Determination of airborne sound power levels emitted by machinery using vibration measurement - Part 1: Survey method using a fixed radiation factor. *Price: \$120.00.*
- **ISO/TS 7849-2:2009** Acoustics - Determination of airborne sound power levels emitted by machinery using vibration measurement - Part 2: Engineering method including determination of the adequate radiation factor. *Price: \$142.00.*
- **ISO 8297:1994** Acoustics - Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment - Engineering method. *Price: \$80.00.*
- **ISO 9295:1988** Acoustics - Measurement of high-frequency noise emitted by computer and business equipment. *Price: \$90.00.*
- **ISO 9296:1988** Acoustics - Declared noise emission values of computer and business equipment. *Price: \$70.00.*
- **ISO 9611:1996** Acoustics - Characterization of sources of structure-borne sound with respect to sound radiation from connected structures - Measurement of velocity at the contact points of machinery when resiliently mounted. *Price: \$120.00.*
- **ISO 9612:2009** Acoustics - Determination of occupational noise exposure - Engineering method. *Price: \$172.00.*
- **ISO 9613-1:1993** Acoustics - Attenuation of sound during propagation outdoors - Part 1: Calculation of the absorption of sound by the atmosphere. *Price: \$135.00.*
- **ISO 9613-2:1996** Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation. *Price: \$112.00.*

- **ISO 9614-1:1993** Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points. *Price: \$120.00.*
- **ISO 9614-2:1996** Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning. *Price: \$120.00.*
- **ISO 9614-3:2002** Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 3: Precision method for measurement by scanning. *Price: \$157.00.*
- **ISO 9645:1990** Acoustics - Measurement of noise emitted by two-wheeled mopeds in motion - Engineering method. *Price: \$53.00.*
- **ISO 10302-1:2011** Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 1: Airborne noise measurement. *Price: \$164.00.*
- **ISO 10302-2:2011** Acoustics – Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 2: Structure-borne vibration measurements. *Price: \$135.00.*
- **ISO 10843:1997** Acoustics - Methods for the description and physical measurement of single impulses or series of impulses. *Price: \$126.00.*
- **ISO 10843:1997/COR. 1:2009** Technical Corrigendum 1 to ISO 10843:1997. *Price: \$0.00.*
- **ISO 10844:2011** Acoustics - Specification of test tracks for measuring noise emitted by road vehicles and their tyres. *Price: \$181.00.*
- **ISO 10846-1:2008** Acoustics and vibration – Laboratory measurement of vibro-acoustic transfer properties of resilient elements - Part 1: Principles and guidelines. *Price: \$135.00.*
- **ISO 10846-2:2008** Acoustics and vibration – Laboratory measurement of vibro-acoustic transfer properties of resilient elements - Part 2: Direct method for determination of the dynamic stiffness of resilient supports for translatory motion. *Price: \$142.00.*
- **ISO 10846-3:2002** Acoustics and vibration – Laboratory measurement of vibro-acoustic transfer properties of resilient elements - Part 3: Indirect method for determination of the dynamic stiffness. *Price: \$164.00.*
- **ISO 10846-4:2003** Acoustics and vibration – Laboratory measurement of vibro-acoustic transfer properties of resilient elements - Part 4: Dynamic stiffness of elements other than resilient supports for translatory motion. *Price: \$157.00.*
- **ISO 10846-5:2008** Acoustics and vibration – Laboratory measurement of vibro-acoustic transfer properties of resilient elements - Part 5: Driving point method for determination of the low-frequency transfer stiffness of resilient supports for translatory motion. *Price: \$135.00.*
- **ISO 10847:1997** Acoustics - *In-situ* determination of insertion loss of outdoor noise barriers of all types. *Price: \$98.00.*
- **ISO 11094:1991** Acoustics - Test code for the measurement of airborne noise emitted by power lawn mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments. *Price: \$90.00.*
- **ISO 11200:1995** Acoustics - Noise emitted by machinery and equipment – Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions. *Price: \$90.00.* This standard includes **ISO 11200:1995/COR. 1:1997** Technical Corrigendum 1 to ISO 11200:1995.
- **ISO 11201:2010** Acoustics - Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections. *Price: \$157.00.*
- **ISO 11202:2010** Acoustics - Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections. *Price: \$172.00.*
- **ISO 11203:1995** Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level. *Price: \$70.00.*
- **ISO 11204:2010** Acoustics - Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections. *Price: \$164.00.*

- **ISO 11205:2003** Acoustics - Noise emitted by machinery and equipment – Engineering method for the determination of emission sound pressure levels *in situ* at the work station and at other specified positions using sound intensity. *Price: \$112.00.*
- **ISO 11546-1:1995** Acoustics - Determination of sound insulation performances of enclosures - Part 1: Measurement under laboratory conditions (for declaration purposes). *Price: \$98.00.*
- **ISO 11546-2:1995** Acoustics - Determination of sound insulation performances of enclosures - Part 2: Measurements *in situ* (for acceptance and verification purposes). *Price: \$104.00.*
- **ISO/TR 11688-1:1995** Acoustics - Recommended practice for the design of low-noise machinery and equipment - Part 1: Planning. *Price: \$135.00.*
- **ISO/TR 11688-2:1998** Acoustics - Recommended practice for the design of low noise machinery and equipment - Part 2: Introduction to the physics of low-noise design. *Price: \$181.00.*
- **ISO 11689:1996** Acoustics - Procedure for the comparison of noise-emission data for machinery and equipment. *Price: \$104.00.*
- **ISO 11689:1996/COR. 1:2007** Technical Corrigendum 1 to ISO 11689:1996. *Price: \$0.00.*
- **ISO 11690-1:1996** Acoustics - Recommended practice for the design of low-noise workplaces containing machinery – Part 1: Noise control strategies. *Price: \$126.00.*
- **ISO 11690-2:1996** Acoustics - Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures. *Price: \$135.00.*
- **ISO/TR 11690-3:1997** Acoustics - Recommended practice for the design of low-noise workplaces containing machinery - Part 3: Sound propagation and noise prediction in workrooms. *Price: \$135.00.*
- **ISO 11691:1995** Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method. *Price: \$60.00.*
- **ISO 11819-1:1997** Acoustics - Measurement of the influence of road surfaces on traffic noise - Part 1: Statistical Pass-By method. *Price: \$142.00.*
- **ISO 11820:1996** Acoustics - Measurements on silencers *in situ*. *Price: \$112.00.*
- **ISO 11821:1997** Acoustics - Measurement of the *in situ* sound attenuation of a removable screen. *Price: \$80.00.*
- **ISO 11957:1996** Acoustics - Determination of sound insulation performance of cabins - Laboratory and *in situ* measurements. *Price: \$90.00.*
- **ISO 12001:1996** Acoustics - Noise emitted by machinery and equipment - Rules for the drafting and presentation of a noise test code. *Price: \$112.00.*
- **ISO 13472-1:2002** Acoustics - Measurement of sound absorption properties of road surfaces *in situ* - Part 1: Extended surface method. *Price: \$135.00.*
- **ISO 13472-2:2010** Acoustics - Measurement of sound absorption properties of road surfaces *in situ* - Part 2: Spot method for reflective surfaces. *Price: \$120.00.*
- **ISO 13473-1:1997** Characterization of pavement texture by use of surface profiles - Part 1: Determination of Mean Profile Depth. *Price: \$120.00.*
- **ISO 13473-2:2002** Characterization of pavement texture by use of surface profiles - Part 2: Terminology and basic requirements related to pavement texture profile analysis. *Price: \$112.00.*
- **ISO 13473-3:2002** Characterization of pavement texture by use of surface profiles - Part 3: Specification and classification of profilometers. *Price: \$90.00.*
- **ISO 13473-4:2008** Characterization of pavement texture by use of surface profiles - Part 4: Spectral analysis of surface profiles. *Price: \$157.00.*
- **ISO/TS 13473-5:2009** Characterization of pavement texture by use of surface profiles - Part 5: Determination of megatexture. *Price: \$142.00.*
- **ISO 13474:2009** Acoustics – Framework for calculating distribution of sound exposure levels for impulsive sound events for the purposes of environmental noise assessment. *Price: \$172.00.*
- **ISO 13475-1:1999** Acoustics - Stationary audible warning devices used outdoors - Part 1: Field measurements for determination of sound emission quantities. *Price: \$120.00.*

ISO/TC 43/SC 1 – continued, ISO/TC 108

- **ISO/TS 13475-2:2000** Acoustics - Stationary audible warning devices used outdoors - Part 2: Precision methods for determination of sound emission quantities. *Price: \$126.00.*
- **ISO 14163:1998** Acoustics - Guidelines for noise control by silencers. *Price: \$172.00.*
- **ISO 14257:2001** Acoustics - Measurement and parametric description of spatial sound distribution curves in workrooms for evaluation of their acoustical performance. *Price: \$135.00.*
- **ISO 15664:2001** Acoustics - Noise control design procedures for open plant. *Price: \$135.00.*
- **ISO 15665:2003** Acoustics – Acoustic insulation for pipes, valves and flanges. *Price: \$164.00.*
- **ISO 15665/COR. 1:2004** Technical Corrigendum 1 to ISO 15665:2003. *Price: \$0.00.*
- **ISO/TS 15666:2003** Acoustics – Assessment of noise annoyance by means of social and socio-acoustic surveys. *Price: \$104.00.*
- **ISO 15667:2000** Acoustics - Guidelines for noise control by enclosures and cabins. *Price: \$181.00.*
- **ISO 17201-1:2005** Acoustics – Noise from shooting ranges – Part 1: Determination of muzzle blast by measurement. *Price: \$172.00.*
- **ISO 17201-1:2005/COR. 1:2009** Technical Corrigendum 1 to ISO 17201-1:2005. *Price: \$0.00.*
- **ISO 17201-2:2006** Acoustics – Noise from shooting ranges – Part 2: Estimation of muzzle blast and projectile sound by calculation. *Price: \$150.00.*
- **ISO 17201-3:2010** Acoustics – Noise from shooting ranges – Part 3: Guidelines for sound propagation calculations. *Price: \$192.00.*
- **ISO 17201-4:2006** Acoustics – Noise from shooting ranges – Part 4: Prediction of projectile sound. *Price: \$120.00.*
- **ISO 17201-5:2010** Acoustics – Noise from shooting ranges – Part 5: Noise management. *Price: \$135.00.*
- **ISO 17624:2004** Acoustics - Guidelines for noise control in offices and workrooms by means of acoustical screens. *Price: \$98.00.*
- **ISO 20906:2009** Acoustics –Unattended monitoring of aircraft sound in the vicinity of airports. *Price: \$164.00.*
- **ISO/TR 25417:2007** Acoustics – Definitions of basic quantities and terms. *Price: \$90.00.*

ISO/TC 108 MECHANICAL VIBRATION, SHOCK AND CONDITION MONITORING

- **ISO 2017-1:2005** Mechanical vibration and shock – Resilient mounting systems - Part 1: Technical information to be exchanged for the application of isolation systems. *Price: \$112.00.*
- **ISO 2017-2:2007** Mechanical vibration and shock – Resilient mounting systems - Part 2: Technical information to be exchanged for the application of vibration isolation associated with railway systems. *Price: \$90.00.*
- **ISO 2041:2009** Mechanical vibration, shock and condition monitoring - Vocabulary. *Price: \$181.00.*
- **ISO 4863:1984** Resilient shaft couplings - Information to be supplied by users and manufacturers. *Price: \$53.00.*
- **ISO 7626-1:2011** Mechanical vibration and shock - Experimental determination of mechanical mobility - Part 1: Basic terms and definitions, and transducer specifications. *Price: \$150.00.*
- **ISO 7626-2:1990** Vibration and shock - Experimental determination of mechanical mobility - Part 2: Measurements using single-point translation excitation with an attached vibration exciter. *Price: \$126.00.*
- **ISO 7626-5:1994** Vibration and shock - Experimental determination of mechanical mobility - Part 5: Measurements using impact excitation with an exciter which is not attached to the structure. *Price: \$126.00.*

- **ISO 9688:1990** Mechanical vibration and shock – Analytical methods of assessing shock resistance of mechanical systems - Information exchange between suppliers and users of analyses. *Price: \$60.00.*
- **ISO 10112:1991** Damping materials - Graphical presentation of the complex modulus. *Price: \$80.00.*
- **ISO 16587:2004** Mechanical vibration and shock – Performance parameters for condition monitoring of structures. *Price: \$80.00.*
- **ISO 18431-1:2005** Mechanical vibration and shock – Signal processing - Part 1: General introduction. *Price: \$120.00.*
- **ISO 18431-1:2005/COR. 1:2009** Technical Corrigendum 1 to ISO 18431-1:2005. *Price: \$0.00.*
- **ISO 18431-2:2004** Mechanical vibration and shock – Signal processing – Part 2: Time domain windows for Fourier Transform analysis. *Price: \$80.00.*
- **ISO 18431-2:2004/COR. 1:2008** Technical Corrigendum 1 to ISO 18431-2:2004. *Price: \$0.00.*
- **ISO 18431-4:2007** Mechanical vibration and shock – Signal processing – Part 4: Shock-response spectrum analysis. *Price: \$104.00.*
- **ISO 18437-2:2005** Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 2: Resonance method. *Price: \$104.00.*
- **ISO 18437-2:2005 /AMD 1:2010** Amendment 1 to ISO 18437-2:2005. *Price: \$20.00.*
- **ISO 18437-3:2005** Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 3: Cantilever shear beam method. *Price: \$98.00.*
- **ISO 18437-3:2005 /AMD 1:2010** Amendment 1 to ISO 18437-3:2005. *Price: \$20.00.*
- **ISO 18437-4:2008** Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 4: Dynamic stiffness method. *Price: \$120.00.*
- **ISO 18437-5:2011** Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 5: Poisson ratio based on comparison between measurements and finite element analysis. *Price: \$98.00.*
- **ISO 21289:2008** Mechanical vibration and shock – Parameters to be specified for the acquisition of vibration data. *Price: \$90.00.*

ISO/TC 108/SC 2 MEASUREMENT AND EVALUATION OF MECHANICAL VIBRATION AND SHOCK AS APPLIED TO MACHINES, VEHICLES, AND STRUCTURES

- **ISO 1925:2001** Mechanical vibration - Balancing - Vocabulary. *Price: \$181.00.*
- **ISO 1940-1:2003** Mechanical vibration - Balance quality requirements for rotors in a constant (rigid) state - Part 1: Specification and verification of balance tolerances. *Price: \$142.00.*
- **ISO 1940-1:2003/COR. 1:2005** Technical Corrigendum 1 to ISO 1940-1:2003. *Price: \$0.00.*
- **ISO 1940-2:1997** Mechanical vibration - Balance quality requirements of rigid rotors - Part 2: Balance errors. *Price: \$104.00.*
- **ISO 2953:1999** Mechanical vibration - Balancing machines - Description and evaluation. *Price: \$192.00.*
- **ISO 4866:2010** Mechanical vibration and shock – Vibration of fixed structures - Guidelines for the measurement of vibrations and evaluation of their effects on structures. *Price: \$164.00.*
- **ISO 6954:2000** Mechanical vibration and shock – Guidelines for the measurement, reporting and evaluation of vibration with regard to habitability on passenger and merchant ships. *Price: \$70.00.*
- **ISO 7475:2002** Mechanical vibration - Balancing machines - Enclosures and other protective measures for the measuring station. *Price: \$126.00.*
- **ISO 7919-1:1996** Mechanical vibration of non-reciprocating machines - Measurements on rotating shafts and evaluation criteria - Part 1: General guidelines. *Price: \$112.00.*

- **ISO 7919-2:2009** Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts - Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1500 r/min, 1800 r/min 3 000 r/min and 3600 r/min. *Price: \$90.00.*
- **ISO 7919-3:2009** Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts - Part 3: Coupled industrial machines. *Price: \$70.00.*
- **ISO 7919-4:2009** Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 4: Gas turbine sets with fluid-film bearings. *Price: \$98.00.*
- **ISO 7919-5:2005** Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 5: Machine sets in hydraulic power generating and pumping plants. *Price: \$104.00.*
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- **ISO 10055:1996** Mechanical vibration - Vibration testing requirements for shipboard equipment and machinery components. *Price: \$60.00.*
- **ISO/TS 10811-1:2000** Mechanical vibration and shock -Vibration and shock in buildings with sensitive equipment - Part 1: Measurement and evaluation. *Price: \$98.00.*
- **ISO/TS 10811-2:2000** Mechanical vibration and shock - Vibration and shock in buildings with sensitive equipment - Part 2: Classification. *Price: \$80.00.*
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- **ISO 10816-1:1995 /AMD 1:2009** Amendment 1 to ISO 10816-1:1995. *Price: \$20.00.*
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- **ISO 10816-5:2000** Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 5: Machine sets in hydraulic power generating and pumping plants. *Price: \$120.00.*
- **ISO 10816-6:1995** Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 6: Reciprocating machines with power ratings above 100 kW. *Price: \$80.00.*
- **ISO 10816-7:2009** Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 7: Rotodynamic pumps for industrial applications, including measurements on rotating shafts. *Price: \$112.00.*
- **ISO 11342:1998** Mechanical vibration - Methods and criteria for the mechanical balancing of flexible rotors. *Price: \$164.00.* This Standard includes: **ISO 11342:1998/COR. 1:2000** Technical Corrigendum 1 to ISO 11342:1998.
- **ISO 13373-1:2002** Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 1: General procedures. *Price: \$192.00.*

- **ISO 13373-2:2005** Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 2: Processing, analysis and presentation of vibration data. *Price: \$150.00.*
- **ISO 14837-1:2005** Mechanical vibration – Ground-borne noise and vibration arising from rail systems – Part 1: General guidance. *Price: \$172.00.*
- **ISO 14839-1:2002** Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings – Part 1: Vocabulary. *Price: \$150.00.*
- **ISO 14839-1:2002 /AMD 1:2010** Amendment 1 to ISO 14839-1:2002. *Price: \$20.00.*
- **ISO 14839-2:2004** Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings – Part 2: Evaluation of vibration. *Price: \$120.00.*
- **ISO 14839-3:2006** Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings – Part 3: Evaluation of stability margin. *Price: \$157.00*
- **ISO 14963:2003** Mechanical vibration and shock – Guidelines for dynamic tests and investigations on bridges and viaducts. *Price: \$142.00.*
- **ISO 18649:2004** Mechanical vibration - Evaluation of measurement results from dynamic tests and investigations on bridges. *Price: \$135.00.*
- **ISO 19499:2007** Mechanical vibration – Balancing – Guidance on the use and application of balancing standards. *Price: \$157.00.*
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- **ISO 20283-3:2006** Mechanical vibration – Measurement of vibration on ships – Part 3: Pre-installation vibration measurement of shipboard equipment. *Price: \$126.00.*
- **ISO 20806:2009** Mechanical vibration – Criteria and safeguards for the *in-situ* balancing of medium and large rotors. *Price: \$126.00.*
- **ISO 22266-1:2009** Mechanical vibration – Torsional vibration of rotating machinery – Part 1: Land-based steam and gas turbine generator sets in excess of 50 MW. *Price: \$135.00.*

ISO/TC108/SC 3 USE AND CALIBRATION OF VIBRATION AND SHOCK MEASURING INSTRUMENTS

- **ISO 2954:1975** Mechanical vibration of rotating and reciprocating machinery - Requirements for instruments for measuring vibration severity. *Price: \$60.00.*
- **ISO 5347-5:1993** Methods for the calibration of vibration and shock pick-ups - Part 5: Calibration by Earth's gravitation. *Price: \$53.00.*
- **ISO 5347-7:1993** Methods for the calibration of vibration and shock pick-ups - Part 7: Primary calibration by centrifuge. *Price: \$60.00.*
- **ISO 5347-8:1993** Methods for the calibration of vibration and shock pick-ups - Part 8: Primary calibration by dual centrifuge. *Price: \$60.00.*
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- **ISO 5347-16:1993** Methods for the calibration of vibration and shock pick-ups - Part 16: Testing of mounting torque sensitivity. *Price: \$46.00.*
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ISO/TC 108/SC3 – continued, ISO/TC 108/SC 4

- **ISO 5347-19:1993** Methods for the calibration of vibration and shock pick-ups - Part 19: Testing of magnetic field sensitivity. *Price: \$46.00.*
- **ISO 5347-22:1997** Methods for the calibration of vibration and shock pick-ups - Part 22: Accelerometer resonance testing - General methods. *Price: \$53.00.*
- **ISO 5348:1998** Mechanical vibration and shock – Mechanical mounting of accelerometers. *Price: \$90.00.*
- **ISO 8041:2005** Human response to vibration – Measuring instrumentation. *Price: \$235.00.*
- **ISO 8041:2005/COR. 1:2007** Technical Corrigendum 1 to ISO 8041:2005. *Price: \$0.00.*
- **ISO 8042:1988** Shock and vibration measurements – Characteristics to be specified for seismic pick-ups. *Price: \$53.00.*
- **ISO 10817-1:1998** Rotating shaft vibration measuring systems - Part 1: Relative and absolute sensing of radial vibration. *Price: \$126.00.*
- **ISO 16063-1:1998** Methods for the calibration of vibration and shock transducers - Part 1: Basic concepts. *Price: \$135.00.*
- **ISO 16063-11:1999** Methods for the calibration of vibration and shock transducers - Part 11: Primary vibration calibration by laser interferometry. *Price: \$142.00.*
- **ISO 16063-12:2002** Methods for the calibration of vibration and shock transducers - Part 12: Primary vibration calibration by the reciprocity method. *Price: \$120.00.*
- **ISO 16063-12:2002/COR. 1:2008** Technical Corrigendum 1 to ISO 16063-12:2002. *Price: \$0.00.*
- **ISO 16063-13:2001** Methods for the calibration of vibration and shock transducers - Part 13: Primary shock calibration using laser interferometry. *Price: \$126.00.*
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- **ISO 16063-21:2003/COR. 1:2009** Technical Corrigendum 1 to ISO 16063-21:2003. *Price: \$0.00.*
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- **ISO 16063-31:2009** Methods for the calibration of vibration and shock transducers - Part 31: Testing of transverse vibration sensitivity. *Price: \$112.00.*
- **ISO 16063-41:2011** Methods for the calibration of vibration and shock transducers - Part 41: Calibration of laser vibrometers. *Price: \$172.00.*

ISO/TC 108/SC 4 HUMAN EXPOSURE TO MECHANICAL VIBRATION AND SHOCK

- **ISO 2631-1:1997** Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration - Part 1: General requirements. *Price: \$150.00.*
- **ISO 2631-1:1997/AMD 1:2010** Amendment 1 to ISO 2631-1:1997. *Price: \$20.00.*
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- **ISO 10068:1998** Mechanical vibration and shock - Free, mechanical impedance of the human hand-arm system at the driving point. *Price: \$150.00.*
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- **ISO 10326-1:1992** Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 1: Basic requirements. *Price: \$70.00.*
- **ISO 10326-1:1992/AMD 1:2007** Amendment 1 to ISO 10326-1:1992. *Price: \$20.00.*
- **ISO 10326-1:1992/AMD 2:2011** Amendment 2 to ISO 10326-1:1992. *Price: \$20.00.*
- **ISO 10326-2:2001** Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 2: Application to railway vehicles. *Price: \$112.00.*
- **ISO 10819:1996** Mechanical vibration and shock - Hand-arm vibration - Method for the measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand. *Price: \$112.00.*
- **ISO 13090-1:1998** Mechanical vibration and shock – Guidance on safety aspects of tests and experiments with people – Part 1: Exposure to whole-body mechanical vibration and repeated shock. *Price: \$126.00.*
- **ISO 13091-1:2001** Mechanical vibration - Vibrotactile perception thresholds for the assessment of nerve dysfunction - Part 1: Methods of measurement at the fingertips. *Price: \$126.00.*
- **ISO 13091-1:2001/AMD 1:2010** Amendment 1 to ISO 13091-1:2001. *Price: \$20.00.*
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- **ISO 13753:1998** Mechanical vibration and shock - Hand-arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system. *Price: \$90.00*
- **ISO 14835-1:2005** Mechanical vibration and shock – Cold provocation tests for the assessment of peripheral vascular function – Part 1: Measurement and evaluation of finger skin temperature. *Price: \$80.00.*
- **ISO 14835-2:2005** Mechanical vibration and shock – Cold provocation tests for the assessment of peripheral vascular function – Part 2: Measurement and evaluation of finger systolic blood pressure. *Price: \$98.00.*
- **ISO 15230:2007** Mechanical vibration and shock – Coupling forces at the man-machine interface for hand-transmitted vibration. *Price: \$135.00.*
- **ISO/TS 15694:2004** Mechanical vibration and shock – Measurement and evaluation of single shocks transmitted from hand-held and hand-guided machines to the hand-arm system. *Price: \$112.00.*

ISO/TC 108/SC 5 CONDITION MONITORING AND DIAGNOSTICS OF MACHINES

- **ISO 13372:2004** Condition monitoring and diagnostics of machines – Vocabulary. *Price: \$80.00.*
- **ISO 13374-1:2003** Condition monitoring and diagnostics of machines – Data processing, communication and presentation – Part 1: General guidelines. *Price: \$104.00.*
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- **ISO 13381-1:2004** Condition monitoring and diagnostics of machines – Prognostics – Part 1: General guidelines. *Price: \$120.00.*
- **ISO 17359:2011** Condition monitoring and diagnostics of machines – General guidelines. *Price: \$135.00.*
- **ISO 18434-1:2008** Condition monitoring and diagnostics of machines – Thermography – Part 1: General procedures. *Price: \$135.00.*
- **ISO 18436-1:2004** Condition monitoring and diagnostics of machines – Requirements for training and certification of personnel – Part 1: Requirements for certifying bodies and the certification process. *Price: \$90.00.* This standard includes **ISO 18436-1:2004/COR. 1:2006** Technical Corrigendum 1 to ISO 18436-1:2004.
- **ISO 18436-2:2003** Condition monitoring and diagnostics of machines – Requirements for training and certification of personnel – Part 2: Vibration condition monitoring and diagnostics. *Price: \$104.00.*
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- **ISO 18436-3:2008/AMD 1:2009** Amendment 1 to ISO 18436-3:2008. *Price: \$20.00.*
- **ISO 18436-4:2008** Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 4: Field lubricant analysis. *Price: \$104.00.*
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- **ISO 18436-7:2008** Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 7: Thermography. *Price: \$112.00.*
- **ISO 22096:2007** Condition monitoring and diagnostics of machines – Acoustic emission. *Price: \$70.00.*
- **ISO 29821-1:2011** Condition monitoring and diagnostics of machines – Ultrasound – Part 1: General guidelines. *Price: \$112.00.*

ISO/TC 108/SC 6 VIBRATION AND SHOCK GENERATING SYSTEMS

- **ISO 5344:2004** Electrodynamic vibration generating systems - Performance characteristics. *Price: \$142.00.*
- **ISO 6070:1981** Auxiliary tables for vibration generators - Methods of describing equipment characteristics. *Price: \$80.00.*
- **ISO 6070:1981/COR. 1:2006** Technical Corrigendum 1 to ISO 6070:1981. *Price: \$0.00.*
- **ISO 8568:2007** Mechanical shock - Testing machines – Characteristics and performance. *Price: \$126.00.*
- **ISO 8626:1989** Servo-hydraulic test equipment for generating vibration - Method of describing characteristics. *Price: \$164.00.*
- **ISO 10813-1:2004** Vibration generating machines – Guidance for selection – Part 1: Equipment for environmental testing. *Price: \$135.00.*
- **ISO 10813-1:2004/COR. 1:2006** Technical Corrigendum 1 to ISO 10813-1:2004. *Price: \$0.00.*
- **ISO 15261:2004** Vibration and shock generating systems - Vocabulary. *Price: \$104.00.*

IEC STANDARDS

IEC/TC 29 ELECTROACOUSTICS

- **IEC 60118-0 Ed. 2.0 b:1983** Hearing aids. Part 0: Measurement of electroacoustical characteristics. *Price: \$141.00.*
- **IEC 60118-0 Amd. 1 Ed. 2.0 b:1994** Amendment No. 1. *Price: \$23.00.*
- **IEC 60118-1 Ed. 3.1 b:1999** Hearing aids. Part 1: Hearing aids with induction pick-up coil input. Consolidated with amendment 1:1998. *Price: \$79.00.*
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- **IEC 60318-4 Ed. 1.0 b:2010** Electroacoustics - Simulators of human head and ear - Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts. *Price: \$116.00.*
- **IEC 60318-5 Ed. 1.0 b:2006** Electroacoustics - Simulators of human head and ear - Part 5: 2 cm³ coupler for the measurement of hearing aids and earphones coupled to the ear by means of ear inserts. *Price: \$79.00.*
- **IEC 60318-6 Ed. 1.0 b:2007** Electroacoustics - Simulators of human head and ear - Part 6: Mechanical coupler for the measurement on bone vibrators. *Price: \$92.00.*
- **IEC/TS 60318-7 Ed. 1.0 b:2011** Electroacoustics - Simulators of human head and ear - Part 7: Head and torso simulator for acoustic measurement of hearing aids. *Price: \$171.00.*
- **IEC 60645-1 Ed. 2.0 b:2001** Electroacoustics – Audiological equipment - Part 1: Pure-tone audiometers. *Price: \$171.00.*
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- **IEC 60645-6 Ed. 1.0 b:2009** A Electroacoustics – Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions. *Price: \$92.00.*
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- **IEC 61094-3 Ed. 1.0 b:1995** Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique. *Price: \$104.00.*
- **IEC 61094-4 Ed. 1.0 b:1995** Measurement microphones – Part 4: Specifications for working standard microphones. *Price: \$68.00.*
- **IEC 61094-5 Ed. 1.0 b:2001** Measurement microphones – Part 5: Methods for pressure calibration of working standard microphones by comparison. *Price: \$104.00.*
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- **IEC/TS 61094-7 Ed. 1.0 b:2006** Measurement microphones – Part 7: Values for the difference between free-field and pressure sensitivity levels of laboratory standard microphones. *Price: \$68.00.*
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- **IEC 61252 Ed. 1.1 b:2002** Electroacoustics – Specifications for personal sound exposure meters. Consolidates with amendment 1:2000. *Price: \$275.00.*
- **IEC 61260 Ed. 1.0 b:1995** Electroacoustics - Octave-band and fractional-octave-band filters. *Price: \$154.00.*
- **IEC 61260 Amd. 1 Ed. 1.0 b:2001** Amendment No. 1. *Price: \$68.00.*
- **IEC 61265 Ed. 1.0 b:1995** Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure one-third-octave band sound pressure levels in noise certification of transport-category aeroplanes. *Price: \$79.00.* This Standard includes: **IEC 61265 COR. 1 Ed. 1.0 b:1995** Technical Corrigendum 1.
- **IEC 61669 Ed. 1.0 b:2001** Electroacoustics - Equipment for the measurement of real-ear acoustical characteristics of hearing aids. *Price: \$104.00.*
- **IEC 61672-1 Ed. 1.0 b:2002** Electroacoustics - Sound level meters - Part 1: Specifications. *Price: \$214.00.*
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- **IEC 61672-3 Ed. 1.0 b:2006** Electroacoustics - Sound level meters – Part 3: Periodic tests. *Price: \$104.00.*
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