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Nota di contenuto	Acknowledgments -- Preface -- A note on units -- Introduction -- About this book -- Flotation/ground vehicle compatibility -- Maneuvering -- Surface texture and profile -- Appendix A: 100 Busiest airports showing runway size and strength -- Appendix B: Example ACN values for a variety of aircraft -- Appendix C: Runway roughness profiles -- References -- Index.
Sommario/riassunto	Landing gear provides an intriguing and compelling challenge, combining many fields of science and engineering. Designed to guide the interested reader through the key principles of aircraft compatibility

with the ground and ground infrastructure (airfields, heliports, etc.), this book presents a specific element of landing gear design in an accessible way. The author's two volume treatise, The Design of Aircraft Landing, was the inspiration for this book. The Design of Aircraft Landing is a landmark work for the industry and utilizes over 1,000 pages to present a complete, in-depth study of each component that must considered when designing an aircraft's landing gear. While recognizing that not everyone may need the entire treatise, Airfield Compatibility: Key Principles for Landing Gear Design is one of three quick reference guides focusing on one key element of aircraft design and landing gear design. This volume centers on how to ensure that the aircraft is compatible with the ground surfaces that it will encounter in use. R. Kyle Schmidt has over 25 years' experience across three countries and has held a variety of variety of engineering roles relating to the development of new landing gears and the sustainment of existing landing gears in service.