

1. Record Nr.	UNINA9910523724603321
Autore	French Mark <1963->
Titolo	Acoustic Guitar Design / / by Richard Mark French
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783030893811 9783030893804
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (354 pages)
Disciplina	787.871923
Soggetti	Acoustics Engineering design Acoustical engineering Music - Mathematics Design Industrial design Engineering Design Engineering Acoustics Mathematics in Music Industrial Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Background -- 3. Iconic Acoustic Guitars -- 4. Basics of Guitar Design -- 5. Physics -- 6. Detail Design -- 7. Technical Information.
Sommario/riassunto	This book is for experienced luthiers and guitar designers in the industry, novice builders wishing to improve their designs, and guitar owners interested in knowing more about their instruments. It includes the most important technical information gathered from many sources, including the academic literature and the author's own work, presented here in a clear, actionable form with a minimum of mathematics. The book begins with a historical survey on how important features of the acoustic guitar evolved over centuries. The review leads up to a chapter focusing on three iconic instruments that represent the most important

types of acoustic guitars: classical, steel string flat top and archtop. As the guitar market is so strongly conditioned by familiar, traditional instruments, a successful builder must have a thorough working understanding of the most important designs to underpin their own work. Through this volume, Professor French lays out the design process and collects detailed information in one convenient source. Luthiers quite often compile notebooks of measurements, part numbers, specific design features and other details they routinely need. This book organizes much of that information, with tables of dimensions, material properties, and other details in one essential final chapter. The book also features concise side bar contributions by top guitar designers and builders including Tim Shaw, Chief Engineer - Guitars at Fender Music; and Andy Powers, Master Guitar Designer and Partner at Taylor Guitars.

---