

**From:** Spencer G.  
**To:** EAA Chapter 99 members  
**Subj.:** Aircraft Design Book List

---



## ***Recommended Authors / Reading Resources***

For people interested in designing their own aircraft, modifying an existing aircraft, kit builders or people just wanting more info. A lot of these books can be viewed in university libraries. The ISBN / ASIN numbers are provided to aid their search. Current as of 11-18-2009

- Daniel P. Raymer PhD = Aircraft Design
  - Aircraft Design: A Conceptual Approach ISBN = 978-1563478291
  - Simplified Aircraft Design for Homebuilders ISBN = 978-0972239707
- Michael Chun-Yung Niu = Structural Analysis
  - Airframe Structural Design ISBN = 978-9627128090
  - Composite Airframe Structures ISBN = 978-9627128069
- Elmer F Bruhn = Structural Analysis
  - Analysis and Design of Flight Vehicle Structures ISBN = 978-0961523404
- Howard Curtis = Structural Analysis
  - Fundamentals of Aircraft Structural Analysis ISBN = 978-0256192605
- Tom Rhodes PhD = Structural Analysis
  - Stress Without Tears ISBN = 978-0961523411
- John D Anderson = Aerodynamics
  - Fundamentals of Aerodynamics ISBN = 978-0072373356
- Burt Rutan = Composites
  - Moldless Composite Sandwich Aircraft Construction ASIN = B000BUJP5A
- Martin Hollmann = Composites
  - Composite Aircraft Design ASIN = B000U7V8NQ
  -
- Tony Bingelis = Design / Building Details
  - SportPlane Builder (blue) = 978-0940000308
  - Sportplane Construction Techniques (yellow) ISBN = 978-0940000926
  - Firewall Forward (red) ISBN = 978-0940000933
  - Bingelis On Engines (white) ISBN = 978-0940000544
- Ira H. Abbott & Albert E. Von Doenhoff = airfoils
  - Theory of Wing Sections ISBN = 978-0486605869
- CAR-3 / NACA reports
- AC 20-27
  - Certification and Operation of Amateur Built Aircraft, Get a free PDF copy at
  - [http://rgl.faa.gov/Regulatory\\_and\\_Guidance\\_Library/rgAdvisoryCircular.nsf/0/4DB2C5CD655CB3CC86257647004AF4EE?OpenDocument](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAdvisoryCircular.nsf/0/4DB2C5CD655CB3CC86257647004AF4EE?OpenDocument)

**From:** Spencer G.  
**To:** EAA Chapter 99 members  
**Subj.:** Aircraft Design Book List

---



- AC 43.13
  - Acceptable Methods, Techniques and Practices, Get a free PDF copy at
  - [http://rgl.faa.gov/Regulatory\\_and\\_Guidance\\_Library/rgAdvisoryCircular.nsf/key/AC%2043.13-1B](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAdvisoryCircular.nsf/key/AC%2043.13-1B)
- MIL-HDBK-5 (metal)
  - Get a free PDF copy at
  - [http://www.everyspec.com/MIL-HDBK/MIL-HDBK+\(0001+-+0099\)/MIL\\_HDBK\\_5H\\_1804/](http://www.everyspec.com/MIL-HDBK/MIL-HDBK+(0001+-+0099)/MIL_HDBK_5H_1804/)
- MIL-HDBK-17 (composite)
  - Get a free PDF copy at
  - [http://www.everyspec.com/MIL-HDBK/MIL-HDBK+\(0001+-+0099\)/MIL\\_HDBK\\_17\\_1F\\_237/](http://www.everyspec.com/MIL-HDBK/MIL-HDBK+(0001+-+0099)/MIL_HDBK_17_1F_237/)
  - [http://www.everyspec.com/MIL-HDBK/MIL-HDBK+\(0001+-+0099\)/MIL\\_HDBK\\_17\\_2F\\_250/](http://www.everyspec.com/MIL-HDBK/MIL-HDBK+(0001+-+0099)/MIL_HDBK_17_2F_250/)
  - [http://www.everyspec.com/MIL-HDBK/MIL-HDBK+\(0001+-+0099\)/MIL\\_HDBK\\_17\\_3F\\_216/](http://www.everyspec.com/MIL-HDBK/MIL-HDBK+(0001+-+0099)/MIL_HDBK_17_3F_216/)
- Machinist Handbook
  - ISBN = 978-0831128005

**For questions about the books please contact Spencer by sending an email to [info@EAA99.org](mailto:info@EAA99.org)**