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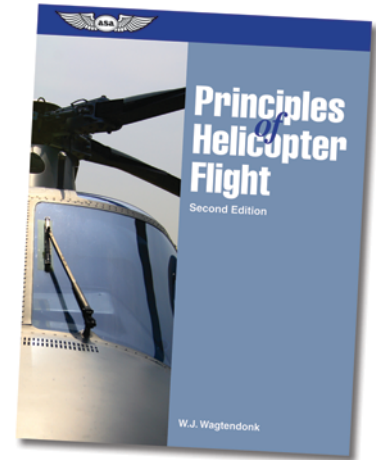
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# Principles of Helicopter Flight

Second Edition from ASA

Newcastle, WA — Helicopter pilots need to thoroughly understand the consequences of their actions in their aircraft, and base them upon sound technical knowledge. This textbook by Walter J. Wagtendonk provides them a foundation by explaining why the helicopter flies and, more importantly, why it sometimes doesn't. It examines the aerodynamic factors associated with rotor stalls, mast bumping, wind effect, as well as maneuvering flight to include the hover, forward flight, the flare, and autorotation. Helicopter design and components, performance, and weight and balance is covered, along with special techniques such as different types of takeoffs and landings, operating on sloping surfaces, sling operations, mountain flying, and helicopter icing. Technical knowledge and sound handling are the crucial ingredients that make a safe pilot.



The **Second Edition** of this best-selling book adds discussions on the NOTAR system and strakes, as well as the frequently misunderstood principles of airspeed and high altitude operations. There is a review quiz at the end of each chapter, and the book concludes with a multiple-choice practice exam to ensure readers have grasped the helicopter aerodynamics they have studied in this book.

*Principles of Helicopter Flight* explains helicopter complexities in clear, easy-to-grasp terms, covering helicopter aerodynamics and operations in a step-by-step, building-block manner of teaching. Soft cover, 320 pages, 8.25" x 10.75", illustrated, glossary and index.

<b>Product Name</b>	<b>Order Number</b>	<b>Suggested List Price</b>
Principles of Helicopter Flight .....	ASA-PHF-2 .....	\$24.95
<i>ISBN 978-1-56027-649-4</i>		

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