



# Technical Helicopter

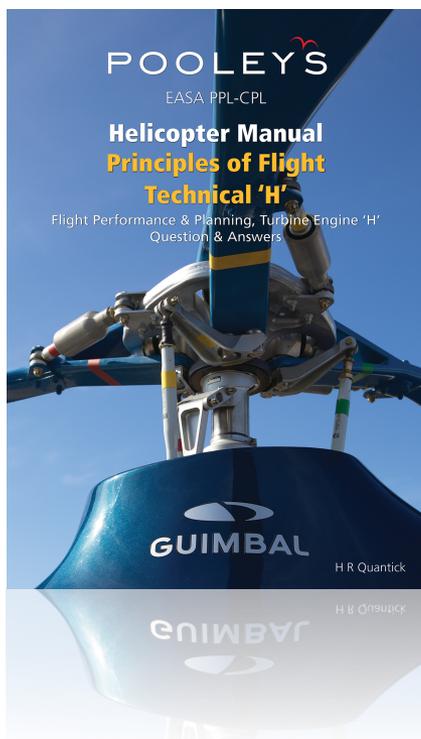
## Pooleys EASA PPL Ground School



# POOLEYS

## Technical Helicopter

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## Instructions

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From the “**Index**” page, select the section of the PowerPoint you want to cover during your ground school lesson using the navigation buttons. You can return to the index at any point by pressing the “**home**” button on the bottom right hand corner of every page.

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## Editorial Team

### **Dorothy Saul-Pooley LLB (Hons) FRAeS**

Dorothy holds an ATPL (A) and a CPL (H), and is both an instructor and examiner on aeroplanes and an instructor on helicopters. She is Head of Training for a school dedicated to running Flight Instructor courses at Shoreham. She is also a CAA Flight Instructor Examiner. In addition, having qualified as a solicitor in 1982, Dorothy acted for many years as a consultant specialising in aviation and insurance liability issues, and has lectured widely on air law and aviation insurance. This highly unusual combination of qualifications led to her appointment as Honorary Solicitor to the Guild of Air Pilots and Navigators (GAPAN). Dorothy is a Fellow of the Royal Aeronautical Society, Past Chairman of the GAPAN Instructor Committee of which she was a founding member and the prime instigator of the Guild's Joint Forum with Central Flying School at RAF Cranwell for Senior Flying Instructors. She is a Past Chairman of the Education & Training Committee. After serving as a Warden on the Court of GAPAN for three years, she was appointed Master for the year 2014-2015 of the newly renamed Honourable Company of Air Pilots. She is also Chairman of the Professional Flying Instructors Association. In 2003 Dorothy was awarded the Jean Lennox Bird Trophy for her contribution to aviation and support of Women in Aviation and the BWPA (British Women Pilots Association). In 2013, Dorothy received the prestigious award of a Master Air Pilots Certificate from GAPAN. In 2015 she was awarded the Brabazon Cup by the BWPA for her outstanding achievement in aviation. A regular contributor to seminars and conferences, Dorothy is the author and editor of a large number of flying training books and has published articles in legal and insurance journals and many in aviation magazines.

### **Daljeet Gill BA (Hons)**

Daljeet is the Head of Design & Development for Pooleys Flight Equipment and the editor of the Air Pilot's Manuals, Pre-flight Briefing and R/T Communications as well as many other publications. Daljeet has been involved with the editing, typesetting and designing of all Pooleys publications and products since she joined us in 2001. Graduating in 1999 with a BA (Hons) in Graphic Design, she deals with the marketing, advertising, exhibition design and technical design of our manufactured products in the UK. She maintains our website and produces our Pooleys Catalogue. Daljeet's Design skills and imaginative approach have brought a new level of clarity and readability to the projects she has touched.





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### The Rotary Wing



- A rotary wing aircraft (rotorcraft) is defined as a heavier than air machine which derives its life from a rotor (or rotors).
- One of the first rotorcraft was the gyroplane, given the household name 'Autogyro' by its inventor **Juan de la Cierva**.
- The aircraft relied on its forward speed (provided by either a pusher or puller engine configuration) to produce airflow forces to turn a lift producing horizontal rotor. Today's rotorcraft are practically all helicopters. Unlike the autogyro, helicopters have engine driven horizontal rotors which provide **both** the lift and the propelling forces.

