



## Digest of Aircraft Accident Analyses

# ~ To Enjoy the Sky Safely ~

## Safe Flight of Ultralight Planes, etc.

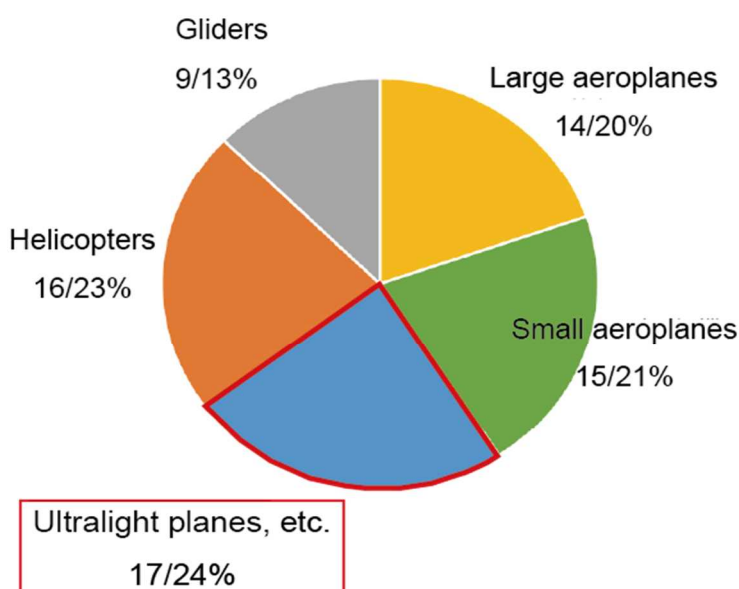
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### 1. Preface

The ultralight plane (see the photo on the back cover), which is popular for sky leisure (sports), is said to have started with an engine mounted on a hang glider. It is a one or two-seater aircraft with a simple structure equipped with a landing (on water) device and a power unit that can fly with the pilot in a seated posture. Gyroplanes and self-built aircraft are added to this category and are called "ultralight planes, etc." Although they enable people easily access to the sky, unfortunately, one to five accidents involving fatalities or injuries occur each year.

Of the 71 aircraft accidents in the last five years, 17 (24%) were accidents involving ultralight planes, etc., which is almost the same number as that of small aeroplanes (15 cases, 21%) and helicopters (16 cases, 23%) (see Figure 1).

In this JTSTB Digest, we will explore what is important for safe enjoyment of the sky through analyses of 54 accidents involving ultralight planes, etc. that were the subject of JTSTB's aircraft accident investigations between 2001 and 2021, and for which investigation reports have been published.



**Figure 1 Number of Aircraft Accidents by Type of Aircraft (2017-2021)**