

ENGINE-OUT SCENARIOS DURING TAKEOFF

There are three basic scenarios for engine failure during or shortly after takeoff involving twins. Even when solo or with non-pilot passengers, pilots should consider performing the following safety briefing immediately before every takeoff:

1. ENGINE FAILURE DURING TAKEOFF ROLL

- Both throttles to idle;
- Maintain directional control; and,
- Stop airplane.

2. ENGINE FAILURE AFTER TAKEOFF WITH GEAR DOWN

- Both throttles to idle;
- Maintain a safe airspeed; and,
- Land straight ahead.

3. ENGINE FAILURE AFTER TAKEOFF WITH GEAR UP

- Pitch to V_{YSE} ;
- Configure: Full power, flaps up;
- Identify failed engine, verify;
- Feather failed engine; and,
- Establish 2-3 deg. bank angle ($\frac{1}{2}$ the inclinometer ball's width) toward operating engine.

