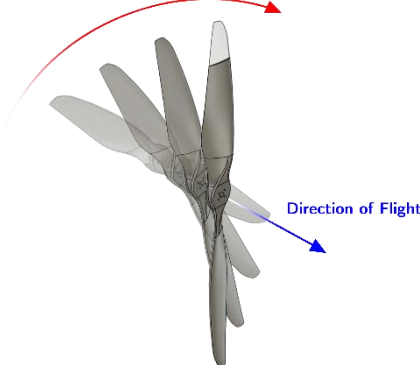
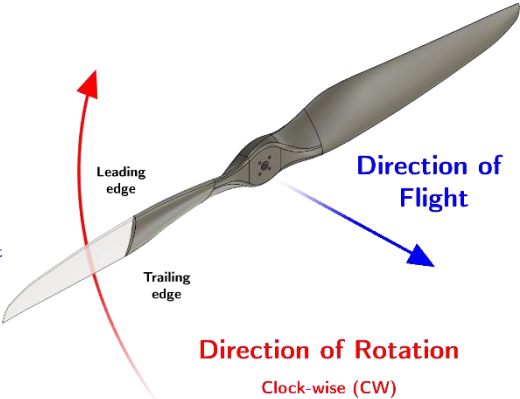
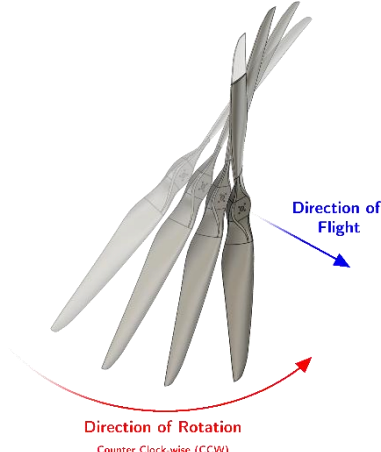
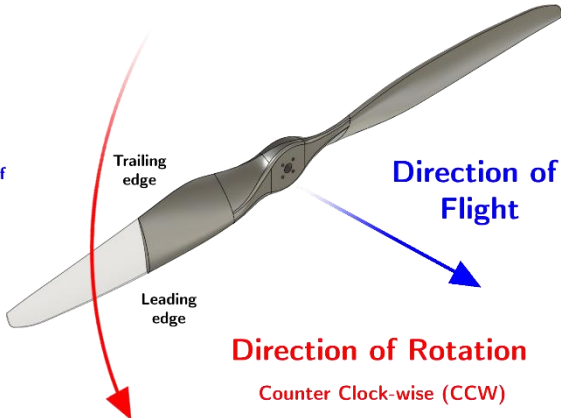


1.1 CW-CCW Manual

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|---|---|---|-------------------------|-------------------------|---------------|----------------------|---|---------------|--------------|----------|---|-------------------------|---|--------------|-------|-------------|---|----------------------|---|--------------|-------|-------------|---|-------------------------|---|---------------|
| 1. | CW | Clockwise rotation of the propeller viewed in terms of flight direction. | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div><div><p>Direction of Rotation Clock-wise (CW)</p></div><div><p>Direction of Flight</p></div></div> <p>Figure 1 Clock-wise rotation definition.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | CCW | Counterclockwise rotation of the propeller viewed in terms of flight direction. | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div><div><p>Direction of Rotation Counter Clock-wise (CCW)</p></div><div><p>Direction of Flight</p></div></div> <p>Figure 2 Counterclockwise rotation definition.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Pusher | Propeller thrust pushing into a motor/engine. i.e. propeller is “behind” or under the motor. | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Puller (or Tractor) | Propeller thrust pulling on a motor/engine, i.e. propeller is in front of or above the motor. | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Correct motor propeller combination | <table><tr><td>Motor CCW</td><td>rot.dir.</td><td>+</td><td>Motor config. Puller</td><td>=</td><td>CCW propeller</td></tr><tr><td>Motor CCW</td><td>rot.dir.</td><td>+</td><td>Motor Pusher config.</td><td>=</td><td>CW Propeller</td></tr><tr><td>Motor</td><td>rot.dir. CW</td><td>+</td><td>Motor config. Puller</td><td>=</td><td>CW Propeller</td></tr><tr><td>Motor</td><td>rot.dir. CW</td><td>+</td><td>Motor Pusher config.</td><td>=</td><td>CCW Propeller</td></tr></table> | Motor CCW | rot.dir. | + | Motor config. Puller | = | CCW propeller | Motor CCW | rot.dir. | + | Motor Pusher config. | = | CW Propeller | Motor | rot.dir. CW | + | Motor config. Puller | = | CW Propeller | Motor | rot.dir. CW | + | Motor Pusher config. | = | CCW Propeller |
| Motor CCW | | rot.dir. | + | Motor config. Puller | = | CCW propeller | | | | | | | | | | | | | | | | | | | | |
| Motor CCW | | rot.dir. | + | Motor Pusher config. | = | CW Propeller | | | | | | | | | | | | | | | | | | | | |
| Motor | | rot.dir. CW | + | Motor config. Puller | = | CW Propeller | | | | | | | | | | | | | | | | | | | | |
| Motor | rot.dir. CW | + | Motor Pusher config. | = | CCW Propeller | | | | | | | | | | | | | | | | | | | | | |
| Note: Motor rotation direction is defined when the observer is facing the output shaft. | | | | | | | | | | | | | | | | | | | | | | | | | | |