

DURANDAL & EXCALIBUR

Range of Ground-Adjustable Carbon Propellers
for gear-drive engines (ROTAX)

Technical Overview

- Rotation sense: **DURANDAL** = CW / **EXCALIBUR** = CCW
- Ground-adjustable pitch
- Designed for Rotax 582 / 912 / 912S / 912iS / 914 / 915iS / 916iS, high-performance Rotax-based engines (Edge performance, EPA Power...) and other gear-drive engines
- Power from 65 to 240 hp
- Both ranges exist in 2-, 3-, 4- & 5-blade
- Full Carbon blades with Titanium leading-edge protection
- Design following EASA CS-P standards

Key data

Blades	2-Blade	3-Blade	4-Blade	5-Blade
Diameter	120 - 205 cm 47.2" - 80.7"	120 - 205 cm 47.2" - 80.7"	123 - 208 cm 48.4" - 81.8"	124 - 209 cm 48.8" - 82.2"
Weight	1.5kg / 3.3 lb	2kg / 4.4 lb	2.9kg / 6.4 lb	3.3kg / 7.3 lb
Moment of inertia	1500kg.cm ² (Ø 170 cm)	2100kg.cm ² (Ø 170 cm)	2800kg.cm ² (Ø 172 cm)	2900kg.cm ² (Ø 174 cm)
TBO	4000 h	4000 h	4000 h	4000 h

Carbon Spinners: 15 diameters (from 210 to 380 mm)

Integrated Carbon Spacers: from -20 to +170 mm

Drilling 6M8D101.6, and adapters for 6M8d100, 6M8d75...

Advanced Engineering

Optimized design reduces weight while maintaining strength and durability

Advanced airfoil optimization using evolutionary algorithms

Carbon + Titanium materials for long-term durability

Certification & Reliability

The 3-blade DURANDAL is EASA certified - Type Certificate P.512 - TBO 4000 hours

Why pilots choose DURANDAL

- E-Props ESR® Effect
- Exceptionally smooth - near-zero vibrations
- Excellent durability
- Maximum efficiency. From takeoff to cruise - no compromise.
- Proven design with long service life

E-Props ESR® Effect

Performance across the entire RPM range. Maximum power at takeoff. Higher cruise speed. No compromise.

Over 10 000 propellers flying worldwide

"I recently replaced the standard Sensenich 2-blade prop on my RV-12 with a 3-blade E-Props. +12 KTAS and increased climb performance but that was not the end... The SMOOTHNESS was unimaginable, it feels like you're sitting in a jet or driving on a smooth highway".

Over 1,200 verified pilot reviews on e-props.fr - Rarely does a propeller brand generate this much enthusiasm.



Advanced Carbon Propellers
Light is Right - Strength is Core