



ULTRALIGHT Propeller CB2 22x7.0 Inch Black Color

Our Product Introduction

for more products please visit us on uav-vtoldrone.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 22x7.0
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Model: CB2 22X7.0 IN PROP
- Single Weight: 36g
- Diameter: 22 Inch=558.8 Mm
- Pitch: 7 Inch=177.8 Mm
- Recommend Thrust/RPM: 2.5~6kg/3100~5000PRM
- Recommend Max Thrust: 12kg
- Max Safety RPM: 6800RPM
- Highlight: 22x7.0 Inch Propeller, CB2 Propeller, ULTRALIGHT Propeller



More Images



Our Product

Product Description

ULTRALIGHT Propeller CB2 22x7.0 Inch

New Released! Upgraded New Generation Ultralight CF Prop, CB2 – Light as "O2". BECAUSE CARBON+O2
High quality efficient carbon fiber ultralight drone propeller – CB2
Designed for endurance flight, prop weight reduced by 20%-30%, flight time far extended
Thrust increased by 3-7%. Efficiency increased by 2-6%.
Almost zero vibration. Every propeller was balanced 3 times during production

Structure	Carbon Fiber Straight Propeller
Material	Carbon Fiber + Resin
Packing	1 pair/Gift Box
Working Temp	-40°C~65°C
Storage Temp	-10°C~50°C
Storage Humidity	<85%


OPTIMIZED MOMENT OF INERTIA

The prop shape was designed based on power dissipation, thrust, efficiency and moment inertia of a propeller, especially for the especial condition of multirotor aircrafts, smaller tip area and bigger root area, it helped to get the optimized moment of inertia while remain the equal thrust output, so the responsive speed could be more sensitive.

Upgraded New Generation Ultralight CF Prop
Light as "O2"


BECAUSE CARBON+O2

CB2 22X7.0 IN PROP



OPTIMIZED LOAD DISTRIBUTION


By simulation and analysis, the tip load was decreased without the loss of thrust by a multi optimization method, which is helpful to save structure weight. The values for propeller beta were optimized to match thrust demand at different rotation rate.



3~7%
Thrust increased by

2~6%
Efficiency increased by

20~30%
Weight reduced by



OPTIMIZED MOMENT OF INERTIA

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BECAUSE CARBON+O2



Designed for Endurance Flight

Prop weight reduced by 20%-30%, flight time far extended



PRODUCT DRAWING



RECOMMEND CONFIG

Propeller	ESC	Motor	Throttle	Thrust (g)
CB2 22X7.0IN ULTRALIGHT PROP	AMPX PRO 40A-A(4-6S)	MAD 5010 EEE V2 240KV	50-60%	1200-1700g / Motor (6s)
CB2 22X7.0IN ULTRALIGHT PROP	AMPX 40A(5-14S)	MAD M6C06 EEE V2 KV220	50-60%	1800-2400g / Motor (8s)

BENCHMARK

CB2 22X7.0 IN

Motor	Prop	Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
MAD 5010 EEE 240KV V2.0 -	CB2 22X7.0IN ULTRALIGHT PROP	30	23.99	1.15	26.97	20.31	0.196	1431	473	77.4	17.97
		35	23.98	1.71	40.26	31.24	0.18	1661	642	80.4	16.52
		40	23.97	2.46	58.73	45.79	0.23	1901	840	81.8	14.99
		45	23.96	3.21	76.42	60.05	0.275	2088	1024	81.8	13.95
		50	23.94	4.07	96.71	75.71	0.32	2263	1194	81.4	12.83
		55	23.92	5.07	120.68	94.87	0.374	2425	1403	81.8	12.09
		60	23.89	6.63	157.94	124.1	0.447	2655	1684	81.6	11.07
		65	23.86	8.28	197.23	154.11	0.517	2849	1975	81.1	10.39
		70	23.83	10.12	240.84	185.94	0.587	3028	2246	80.0	9.66
		75	23.8	11.92	283.34	217.2	0.647	3205	2488	79.3	9.08
MAD AMPX PRO 40A-A (4-6S)	CB2 22X7.0IN ULTRALIGHT PROP	80	23.77	13.98	331.8	252.13	0.715	3366	2738	78.5	8.52
		85	23.73	16.31	386.5	288.71	0.786	3509	3007	77.1	8.02
		90	23.69	18.59	439.77	324.22	0.847	3657	3247	75.9	7.60
		95	23.64	21.12	498.83	362.45	0.914	3788	3486	74.7	7.18
		100	23.58	24.69	581.8	413.03	0.996	3960	3797	72.7	6.69
MAD M6C06 EEE KV220 V2.0 -	CB2 22X7.0IN ULTRALIGHT PROP	30	31.88	1.46	45.87	34.9	0.196	1704	676	78.0	15.09
		35	31.86	2.21	70.26	54.69	0.262	1991	950	80.1	13.91
		40	31.84	3.11	98.69	78.13	0.333	2242	1217	81.5	12.69
		45	31.83	4.08	129.67	102.53	0.401	2445	1487	81.3	11.78
		50	31.8	5.15	163.17	129.04	0.465	2652	1750	81.2	11.01
		55	31.78	6.41	203.43	161.41	0.536	2876	2040	81.3	10.28
		60	31.75	8.06	253.32	201.97	0.624	3089	2395	81.0	9.60
		65	31.74	9.86	312.53	244.44	0.708	3300	2702	80.0	8.84
		70	31.7	11.91	377.33	291.31	0.798	3485	3090	79.0	8.35
		75	31.66	13.95	441.07	335.99	0.876	3663	3373	77.8	7.80
MAD AMPX 40A(5-14S)	CB2 22X7.0IN ULTRALIGHT PROP	80	31.62	16.1	508.4	381.54	0.953	3823	3656	76.5	7.33
		85	31.58	18.53	584.6	431.19	1.037	3973	3991	75.1	6.95
		90	31.53	21.3	671.07	483.9	1.123	4114	4356	73.3	6.60
		95	31.49	24.07	757.84	532.79	1.198	4248	4637	71.4	6.21
		100	31.41	27.87	874.92	597.55	1.297	4401	5005	69.2	5.79

Our Services

1. We provide 1 Year Warranty. Buy with confidence.
2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.
3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.
4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.



FAQ

Q1: Do you support OEM/ODM?

A1: Yes. We can print your logo on the product.

Q2: About samples.

A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged.

Q3: What is the delivery time?

A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution.

Q4: What is the minimum order quantity?

A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM.

Q5: What are your payment terms?

A5: L/C.TT100%.

Q6: Can you reduce the shipping cost?

A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice.

Q7: Return policy.

A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping.



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