

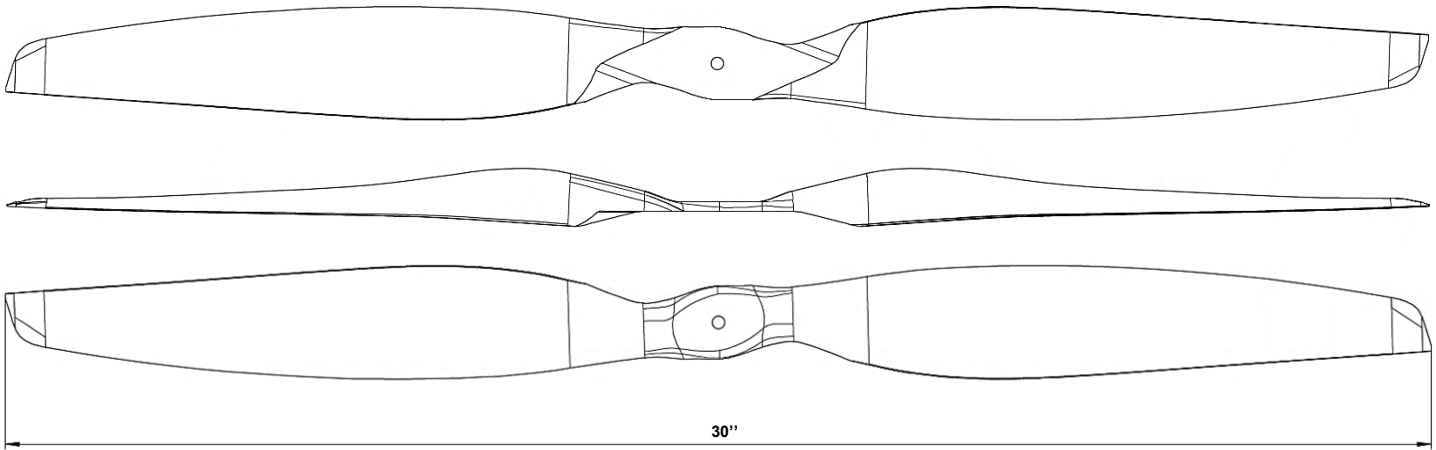


# Propeller 30x10

## propeller recommendation



maxon recommended propeller



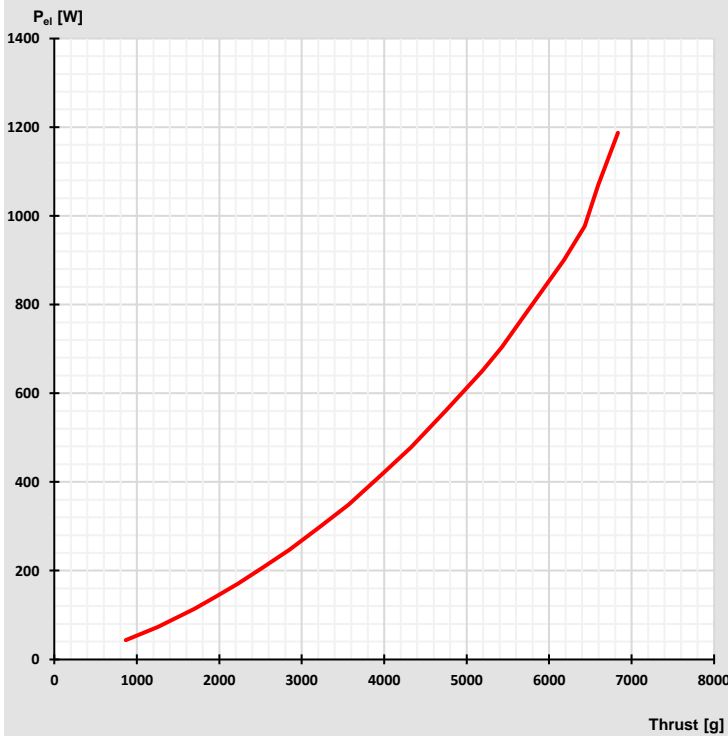
### Propeller Specifications

1 Diameter	30" (762.0 mm)
2 Pitch	10" (254.0 mm)
3 Weight of Propeller	71 g
4 Max. speed	6000 rpm
5 Material	carbon fiber, glass fiber, roving, polyurethane, epoxy

### Motor Propeller Combination

#### Efficiency Propulsion System

Propulsion system efficiency is indicated by depiction of required amount of electrical power (required by motor) to achieve a certain amount of thrust.



#### Propulsion System Performance Table

Based on measured data from Mejzlik @ 12S (44.5V) LiPo ESC supply voltage.

Speed [rpm]	Current [A]	Torque [mNm]	Thrust [g]	el. Power [W]	Efficiency [g/W]
<b>continuous operation</b>					
1000	1.0	325	866	43	20.1
1200	1.6	464	1255	73	17.2
1400	2.6	626	1699	114	14.9
1500	3.2	717	1951	141	13.9
1600	3.8	815	2223	171	13.0
1700	4.7	925	2533	208	12.2
1800	5.5	1039	2851	247	11.6
1900	6.7	1168	3208	298	10.8
2000	7.8	1297	3567	349	10.2
2100	9.3	1433	3946	413	9.5
2200	10.8	1570	4325	478	9.1
2300	12.7	1721	4753	562	8.5
2350	13.6	1798	4972	606	8.2
2400	14.6	1875	5191	650	8.0
2450	15.8	1956	5424	703	7.7
2500	17.3	2043	5676	769	7.4
2550	18.8	2130	5928	834	7.1
<b>short term operation</b>					
2600	20.3	2217	6180	900	6.9
2650	22.0	2303	6431	976	6.6
2700	24.1	2366	6595	1069	6.2
2750	26.8	2448	6833	1187	5.8

### Notes

Please contact [aerospace@maxongroup.com](mailto:aerospace@maxongroup.com)