

Astro Super Box p/n 710

The Astro Super Gear Box Model 710 is specially designed for the Astro 020 and 05 Brushless Motors. The gear box is precision machined from aluminum and features two ball bearings, a 36 tooth aluminum helical spur gear, an 11 tooth brass pinion gear and a ¼ inch dia aluminum drive shaft. The front of the gear box has four 4-40 mounting screws. To mount the gear box drill an ¾ inch and four 1/8 in holes in a firewall just 1 inch behind the prop to secure the gear box to the airplane. The motor is mounted to the gear box by two 4-40 screws.

Important: Please be sure to lubricate the metal gears before running the gear box at high power. Any light grease will work fine. Make sure there is proper clearance between the gears. To set clearance place a narrow strip of computer paper between the pinion and spur gears, press gears together, then tighten mounting screws. Then turn the shaft to eject the paper strip and go flying.

Expected performance of Astro 020 with The 710 Gear Box and various batteries and props

Battery	Prop	Amps	Watts	Rpm
8 Nicads	APC 12x6E	13 A	115 W	5,000
8 Nicads	APC 11x7E	12 A	106 W	5,400
10 Nicads	APC 12x6E	18 A	200 W	6,400
10 Nicads	APC 11x7E	17 A	183 W	6,800
10 Nicads	APC 10x7E	14 A	150 W	7,200

Expected Performance with Astro 05 motor

Battery	Prop	Amps	Watts	Rpm
10 Nicads	APC 11x7E	34 A	370 W	8,200
10 Nicads	APC 12x6E	36 A	400 W	8,000
10 Nicads	APC 14x7E	44 A	484 W	7,500

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