

KAVAN Swift Electric Motors

KAVAN Swift Electric Motors are ideal power plants for flight-, boat- and car- models. The motors are robust, powerful and a good value. The Swift 280+ is "Plug & Fly"; capacitors and a K1 motor cable are factory installed. The Swift 300+, 400+ and 480+ include a K2 motor cable.



Order No. 6496



Order No. 6595



Order No. 6596



Order No. 6597



Order No. 6695



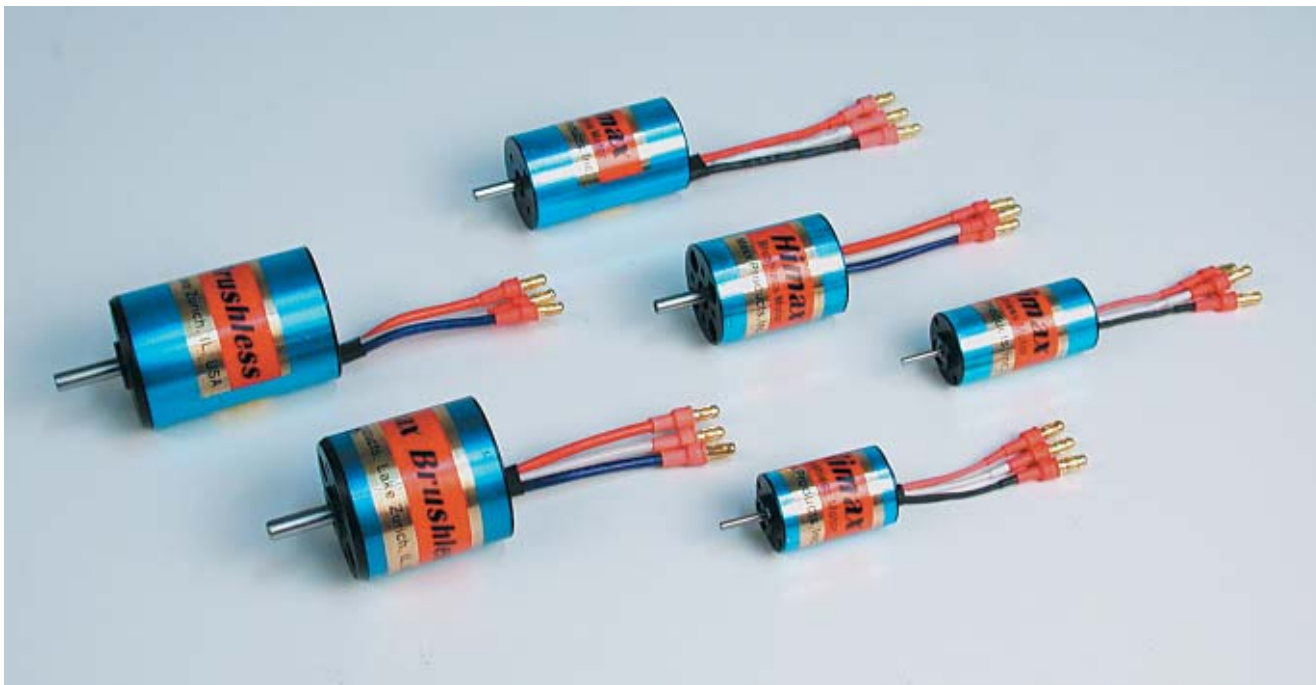
Order No. 6696

Technical Specifications

| Motor Order-No. | Swift 280+ 6496 | Swift 300 6595 | Swift 300+ 6596 | Swift 400+ 6597 | Swift 480 6695 | Swift 480+ 6696 |
|----------------------------|--------------------------------|---------------------------|------------------------------|-------------------------|----------------------|----------------------|
| Nominal voltage | 6 V | 6 V | 6 V | 6 V | 7.2 V | 7.2 V |
| Working voltage | 4.8 – 9.6 V | 6 – 8.4 V | 6 – 8.4 V | 6 – 9.6 V | 7.2 – 12 V | 7.2 – 12 V |
| No-load RPM | 14000 / min. | 29000 / min. | 29000 / min. | 18000 / min. | 17000 / min. | 17000 / min. |
| Current at max. efficiency | 1.58 A | 5 A | 5 A | 4 A | 5 A | 5 A |
| Stall Current | 6.8 A | 28 A | 28 A | 25 A | 24 A | 24 A |
| Max. efficiency | 58.2 % | 65 % | 65 % | 70 % | 69 % | 69 % |
| Case length w/o shaft | 30.5 mm | 30.8 mm | 30.8 mm | 37.8 mm | 46.8 mm | 46.8 mm |
| Diameter/with stator | 23.8 mm | 24.4 mm | 24.4 mm | 27.7 mm | 27.7 / 28.9 mm | 27.7 / 28.9 mm |
| Shaft diameter | 2 mm | 2 mm | 2 mm | 2.3 mm | 2.3 mm | 2.3 mm |
| Weight | 46 g | 50 g | 54 g | 77 g | 102 g | 106 g |
| Features | "Plug & Fly", with K1 | Smooth shaft for No. 6650 | Reverse timed, with K2 | with K2 | | with K2 |
| Typical use | Sopwith Pup, Albatros, Stösser | Heinkel He-162 | BlueDevil, KAVAN SPF GearBox | Airco DH-2, ScrewDriver | ScrewDriver (tuning) | ScrewDriver (tuning) |

The hobby industry typically runs motors at voltages greater than the "Nominal voltage" and at amperages greater than "Current at max. efficiency". For increased motor life air cool the motor and select battery packs for 10 minutes or less continuous running.

Himax Brushless Motors



Himax Brushless Motors

Himax Brushless motors are manufactured to high standards for the discerning modeler. Available either direct drive or geared, "HA" series are slotless and "HB" series are slotted. Designed for light-weight, high efficiency, and durability these Himax motors are sure to make today's radio controlled models perform. Includes gold connectors. Required but not included, Sensorless Brushless Motor Control. For best performance we recommend Castle Creations Motor Controllers.

The HA2015 and HA2025 series are made for small models from 200 g up to approximately 850 g. Replacement for 400-size motors. The HB3615 and HB3630 series replace 500-600 size motors.

KAVAN
Exclusive Distributor
for Europe



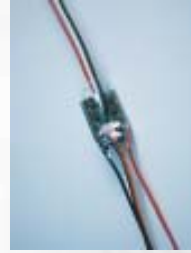
Himax Brushless Motor "Slotless"
(Some Motors include the Prop Adapter)

| Order No. | Dia mm | L mm | Wt g | Shaft. Dia | Gear Ratio | ESC Rating | kV rpm/V | Rm terminal resistance Ohms | Io No-load Current Amp | Power Rating Watts |
|-------------|-----------|---------|---------|---------------|---------------|---------------|-------------|--------------------------------------|---------------------------------|--------------------------|
| HA2015.2800 | 20 | 34 | 48 | 2mm | na | 8A | 2800 | 0.355 | 0.40 | 110 |
| HA2015.2843 | 20 | 49 | 56 | 3mm | 4.3 | 8A | 2800 | 0.355 | 0.40 | 110 |
| HA2015.2836 | 20 | 49 | 56 | 3mm | 3.6 | 8A | 2800 | 0.355 | 0.40 | 110 |
| HA2015.2832 | 20 | 49 | 56 | 3mm | 3.2 | 8A | 2800 | 0.355 | 0.40 | 110 |
| HA2015.3600 | 20 | 34 | 48 | 2mm | na | 8A | 3600 | 0.295 | 0.54 | 110 |
| HA2015.3643 | 20 | 49 | 56 | 3mm | 4.3 | 8A | 3600 | 0.295 | 0.54 | 110 |
| HA2015.3636 | 20 | 49 | 56 | 3mm | 3.6 | 8A | 3600 | 0.295 | 0.54 | 110 |
| HA2015.3632 | 20 | 49 | 56 | 3mm | 3.2 | 8A | 3600 | 0.295 | 0.54 | 110 |
| HA2015.4100 | 20 | 34 | 48 | 2mm | na | 10A | 4100 | 0.141 | 0.80 | 110 |
| HA2015.4143 | 20 | 49 | 56 | 3mm | 4.3 | 10A | 4100 | 0.141 | 0.80 | 110 |
| HA2015.4136 | 20 | 49 | 56 | 3mm | 3.6 | 10A | 4100 | 0.141 | 0.80 | 110 |
| HA2015.4132 | 20 | 49 | 56 | 3mm | 3.2 | 10A | 4100 | 0.141 | 0.80 | 110 |
| HA2015.5400 | 20 | 34 | 48 | 2mm | na | 15A | 5400 | 0.120 | 1.00 | 110 |
| HA2015.5443 | 20 | 49 | 56 | 3mm | 4.3 | 15A | 5400 | 0.120 | 1.00 | 110 |
| HA2015.5436 | 20 | 49 | 56 | 3mm | 3.6 | 15A | 5400 | 0.120 | 1.00 | 110 |
| HA2025.2700 | 20 | 45 | 66 | 2mm | na | 10A | 2700 | 0.169 | 0.47 | 175 |
| HA2025.2736 | 20 | 60 | 73 | 3mm | 3.6 | 10A | 2700 | 0.169 | 0.47 | 175 |
| HA2025.3200 | 20 | 45 | 66 | 2mm | na | 15A | 3200 | 0.144 | 0.53 | 175 |
| HA2025.3236 | 20 | 60 | 73 | 3mm | 3.6 | 15A | 3200 | 0.144 | 0.53 | 175 |

| Order No. | Dia mm | L mm | Wt g | Shaft Dia | Gear Ratio | ESC Rating | kV rpm/V | Rm terminal resistance Ohms | Io No-load Current Amp | Power Rating Watts |
|-------------|--------|------|------|-----------|------------|------------|----------|-----------------------------|------------------------|--------------------|
| HA2025.4200 | 20 | 45 | 66 | 2mm | na | 15A | 4200 | 0.075 | 0.75 | 175 |
| HA2025.4243 | 20 | 60 | 73 | 3mm | 4.3 | 15A | 4200 | 0.075 | 0.75 | 175 |
| HA2025.4236 | 20 | 60 | 73 | 3mm | 3.6 | 15A | 4200 | 0.075 | 0.75 | 175 |
| HA2025.4232 | 20 | 60 | 73 | 3mm | 3.2 | 15A | 4200 | 0.075 | 0.75 | 175 |
| HA2025.5300 | 20 | 45 | 66 | 2mm | na | 25A | 5300 | 0.044 | 1.40 | 175 |
| HA2025.5343 | 20 | 60 | 73 | 3mm | 4.3 | 25A | 5300 | 0.044 | 1.40 | 175 |
| HA2025.5336 | 20 | 60 | 73 | 3mm | 3.6 | 25A | 5300 | 0.044 | 1.40 | 175 |
| HA2025.5332 | 20 | 60 | 73 | 3mm | 3.2 | 25A | 5300 | 0.044 | 1.40 | 175 |
| HA2825.5500 | 28 | 48 | 138 | 4mm | na | 60A | 5500 | 0.011 | 2.20 | 400 |
| HA2825.5543 | 28 | 69 | 185 | 5mm | 4.3 | 60A | 5500 | 0.011 | 2.20 | 400 |
| HA2825.5533 | 28 | 69 | 185 | 5mm | 3.3 | 60A | 5500 | 0.011 | 2.20 | 400 |
| HA2825.3600 | 28 | 48 | 138 | 4mm | na | 45A | 3600 | 0.025 | 1.40 | 400 |
| HA2825.3643 | 28 | 69 | 185 | 5mm | 4.3 | 45A | 3600 | 0.025 | 1.40 | 400 |
| HA2825.3633 | 28 | 69 | 185 | 5mm | 3.3 | 45A | 3600 | 0.025 | 1.40 | 400 |
| HA2825.2700 | 28 | 48 | 138 | 4mm | na | 35A | 2700 | 0.041 | 0.80 | 400 |
| HA2825.2743 | 28 | 69 | 185 | 5mm | 4.3 | 35A | 2700 | 0.041 | 0.80 | 400 |
| HA2825.2733 | 28 | 69 | 185 | 5mm | 3.3 | 35A | 2700 | 0.041 | 0.80 | 400 |
| HA2825.2300 | 28 | 48 | 138 | 4mm | na | 35A | 2300 | 0.078 | 0.47 | 400 |
| HA3618.4500 | 36 | 44 | 187 | 5mm | na | 60A | 4500 | TBA | TBA | TBA |
| HA3618.4543 | 36 | 65 | 235 | 5mm | 4.3 | 60A | 4500 | TBA | TBA | TBA |
| HA3618.4533 | 36 | 65 | 235 | 5mm | 3.3 | 60A | 4500 | TBA | TBA | TBA |
| HA3618.3000 | 36 | 44 | 187 | 5mm | na | 45A | 3000 | TBA | TBA | TBA |
| HA3618.3043 | 36 | 65 | 235 | 5mm | 4.3 | 45A | 3000 | TBA | TBA | TBA |
| HA3618.3033 | 36 | 65 | 235 | 5mm | 3.3 | 45A | 3000 | TBA | TBA | TBA |
| HA3618.2300 | 36 | 44 | 187 | 5mm | na | 35A | 2300 | TBA | TBA | TBA |
| HA3618.2343 | 36 | 65 | 235 | 5mm | 4.3 | 35A | 2300 | TBA | TBA | TBA |
| HA3618.2333 | 36 | 65 | 235 | 5mm | 3.3 | 35A | 2300 | TBA | TBA | TBA |
| HB2815.1400 | 27 | 38 | 86 | 4mm | na | 15A | 1400 | TBA | TBA | TBA |
| HB2815.2000 | 27 | 38 | 86 | 4mm | na | 25A | 2000 | TBA | TBA | TBA |
| HB2815.2043 | 27 | 63 | 134 | 5mm | 4.3 | 25A | 2000 | TBA | TBA | TBA |
| HB2815.2033 | 27 | 63 | 134 | 5mm | 3.3 | 25A | 2000 | TBA | TBA | TBA |
| HB2815.4000 | 27 | 38 | 86 | 4mm | na | 25A | 4000 | TBA | TBA | TBA |
| HB2815.4043 | 27 | 63 | 134 | 5mm | 4.3 | 25A | 4000 | TBA | TBA | TBA |
| HB2815.4033 | 27 | 63 | 134 | 5mm | 3.3 | 25A | 4000 | TBA | TBA | TBA |
| HB3615.1600 | 36 | 40 | 138 | 5mm | na | 35A | 1600 | 0.061 | 1.10 | 300 |
| HB3615.2100 | 36 | 40 | 138 | 5mm | na | 35A | 2100 | 0.035 | 2.40 | 300 |
| HB3615.2143 | 36 | 61 | 186 | 5mm | 4.3 | 35A | 2100 | 0.035 | 2.40 | 300 |
| HB3615.2133 | 36 | 61 | 186 | 5mm | 3.3 | 35A | 2100 | 0.035 | 2.40 | 300 |
| HB3615.3200 | 36 | 40 | 138 | 5mm | na | 45A | 3200 | 0.017 | 3.70 | 300 |
| HB3615.3243 | 36 | 61 | 186 | 5mm | 4.3 | 45A | 3200 | 0.017 | 3.70 | 300 |
| HB3615.3233 | 36 | 61 | 186 | 5mm | 3.3 | 45A | 3200 | 0.017 | 3.70 | 300 |
| HB3630.0780 | 36 | 55 | 230 | 5mm | na | 35A | 780 | 0.085 | 0.70 | 600 |
| HB3630.1000 | 36 | 55 | 230 | 5mm | na | 35A | 1000 | 0.050 | 1.10 | 600 |
| HB3630.1500 | 36 | 55 | 230 | 5mm | na | 45A | 1500 | 0.023 | 2.40 | 600 |

TBA, To Be Announced

Castle Creations Sensorless Brushless Motor Control



Order No. PHX10



Order No. PHX25



Order No. PHX35/45



Order No. PHX60/80

All Castle Creations speed controls feature

- o Safe "Power On"
- o Low torque "Soft Start": protects gear boxes and belt drives from shock
- o Simple setup: no complicated switches or wiring
- o Audible Arming Signal
- o Self-calibrating endpoints: maximizes usable stick travel
- o Auto Motor cut-off with reset
- o Auto shut-down when signal is lost
- o Microprocessor Controlled
- o Programmable Low Voltage Cut-off for Ni-Cd, Ni-MH or Li-Po
- o Universal receiver connector

SPECIFICATIONS

| Order No. | Cells w/o BEC | Cells w/o BEC | Continuous | Surge | Switching Rate, KHz | Resistance Ohms | Brake | Reversible | Size mm | Weight with wires |
|-----------|---------------|---------------|------------|-------|---------------------|-----------------|----------|------------|----------------|-------------------|
| PHX10 | 5-10 | 5-16 | 10 A | 15 A | 12.5 | 0.013 | Yes | Yes* | 18.5x20.3x4.1 | 6 g |
| PHX25 | 5-10 | 5-16 | 25 A | 40 A | 11 | 0.0065 | Yes | Yes* | 27.4x23.1x4.1 | 17 g |
| PHX35 | 5-12 | 5-16 | 35 A | 40 A | 11,22,41 | 0.0045 | Yes | Yes* | 24.1x43.7x10.2 | 24.5 g |
| PHX45 | 5-12 | 5-16 | 45 A | 60 A | 11,22,41 | 0.0026 | Yes | Yes* | 24.1x43.7x10.2 | 30 g |
| PHX60 | 5-12 | 5-20 | 60 A | 80 A | 11,22,41 | 0.0012 | Program. | Yes* | 26.7x59.7x11.4 | 58 g |
| PHX80 | 5-12 | 5-20 | 80 A | 120 A | 11,22,41 | 0.001 | Program. | Yes* | 26.7x67.3x11.4 | 60 g |

* change any two wires

Cobalt K400 and Cobalt K500 Motors

Cobalt "K" Motors will add substantial power to your airplanes, boats or cars. Upgrade to the K400 if you are using a Mabuchi 380/ Speed 400. Upgrade to the K500 if you are using Mabuchi 540/ Speed 500 or Mabuchi 550/ Speed 600 motors. Noise suppressing capacitors are installed internally.

Efficiency: Samarium cobalt magnets for greater power or increased duration.

Value: Economical price compared to brushless and competitive cobalt motors.

Easy Mounting: Same mounting hole spacing as the equivalent size Mabuchi/ Speed motors; K400: 16 mm, K500: 25 mm.

Serviceable: Silver graphite brushes, ball bearings and armatures are available as spare parts.

Durable: K400 shaft size is 3.17 mm (1/8") and K500 shaft size is 4 mm.



Order No. 6455

Technical specs.

| Motor Order No. | Cobalt K400/11 6451 | Cobalt K400/13 6452 | Cobalt K400/14 6453 | Cobalt K500/5 6455 | Cobalt K500/6 6456 | Cobalt K500/7 6457 | Cobalt K500/10 6458 |
|----------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------------------|
| Max. # of Cells | 10/12.2 V | 12/14.4 V | 13/15.6 V | 7/8.4 V | 8/9.6 V | 10/12 V | 12/14.4 V |
| No. of Turns | 11 | 13 | 14 | 5 | 6 | 7 | 10 |
| Length | 49 mm | 49 mm | 49 mm | 64 mm | 64 mm | 64 mm | 64 mm |
| Diameter | 27.7 mm | 27.7 mm | 27.7 mm | 33.5 mm | 33.5 mm | 33.5 mm | 33.5 mm |
| Shaft Diameter | 3.17 mm | 3.17 mm | 3.17 mm | 4 mm | 4 mm | 4 mm | 4 mm |
| Weight ca. | 99 g | 99 g | 99 g | 198 g | 198 g | 200 g | 200 g |
| Propeller | 7x3" | 7x3" | 7x3" | 7x4" | 8x4" | 8x4.5" | 8x5" |
| Static RPM approx. | 17800 | 15200 | 14300 | 15500 | 14800 | 15500 | 15600 |
| Static Amps approx. | 25 | 21 | 17 | 55 | 40 | 34 | 25 |
| Static Power approx. | 210 W | 176 W | 142 W | 390 W | 320 W | 340 W | 340 W |
| Recommended Gearbox | No. 6564.430 | No. 6564.330 | No. 6564.330 | No. 6565.330 | No. 6565.330 | No. 6565.330 | No. 6565.330 |

Speed Controls for Brushed Motors

New generation KAVAN Speed Controls. High rate variable switching 1000+ Hz, 5 V BEC, selectable cut off voltage for Ni-CD, Ni-MH or Li-Po battery packs. Auto calibrating throttle range, low torque "soft start", auto shut down if the radio signal is lost, Current Limiter and Temperature Overload Protection (except KAVAN 6A). Includes KAVAN K1, K2 or K4 Gold Connectors and JR/ Graupner style servo connector.



Technical specs.

| Type Order No. | KAVAN 6 A 6483 | KAVAN 12 A 6485 | KAVAN 20 A 6487 | KAVAN 30 A 6489 |
|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Continuous current / Voltage | 6 A / 4 - 12 V | 12 A / 4 - 12 V | 20 A / 4 - 12 V | 30 A / 4 - 14.4 V |
| Cells | 4-10 Ni-CD/Ni-MH, 2-3 Li-Po | 4-10 Ni-CD/Ni-MH, 2-3 Li-Po | 4-10 Ni-CD/Ni-MH, 2-3 Li-Po | 4-12 Ni-CD/Ni-MH, 2-3 Li-Po |
| Dimensions | 18 x 14 x 5 mm | 25 x 19 x 7 mm | 25 x 19 x 7 mm | 33 x 25 x 8 mm |
| Weight w/ cable & connectors | 7 g | 18 g | 23 g | 33 g |
| Brake | ON-OFF | ON-OFF | ON-OFF | ON-OFF |
| Connectors | K1 Gold Connector | K2 Gold Connector | K2 Gold Connector | K4 Gold Connector |
| Typical use | For Swift 280, smaller motors | For Swift 400 motors | For Swift 400, 480 motors | For Cobalt motors |



KAVAN Battery Packs

Assembled for Slow & ParkFlyers, KAVAN Battery Packs contain high quality Nickel-Cadmium (Ni-Cd) or Nickel-Metal Hydride (Ni-MH) cells. Generally, Ni-Cd battery packs will discharge at a higher rate (= more power) and accept a higher charge rate than Ni-MH. Ni-MH battery packs typically have almost twice the capacity of an equivalent size Ni-Cd pack. With a modern charger, such as Order No. 6440 and Order No. GAM.001, both types can be quick charged in 20 - 40 minutes.

The Ni-MH battery type TwiCell is one of the newer Sanyo cells. TwiCell batteries are almost twice the capacity of comparable size standard Ni-Cd batteries. Charge the TwiCell either at the normal charge rate (1/10 of the battery capacity) or quick charge at a maximum of 1100 mA. It is very important to use a charger with an auto cutoff (e.g. delta peak) so the battery pack is not overcharged. This is also valid for Ni-Cd batteries, but especially important for Ni-MH batteries as they are more sensitive to over charging.



Style: **Inline**



Style: **Folded**



Style: **Block**



Style: **Side on Side**

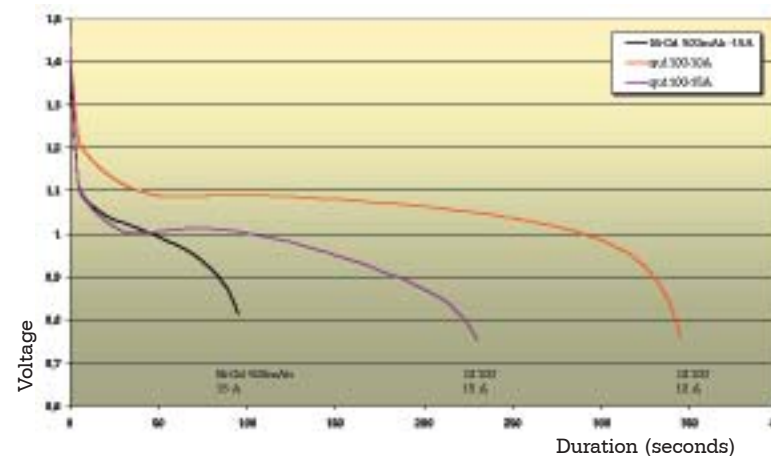
Technical specs.

| Order No. | Cells | Voltage | Capacity | Cell size | Dimensions ca. | Weight ca. | Connector | Cell type | Max. charge ca. | Max. discharge ca. | Style |
|-------------------------------------|-------|---------|----------|-----------|------------------|------------|-----------|---------------------|-----------------|--------------------|--------------|
| Nickel-Cadmium (Ni-Cd) | | | | | | | | | | | |
| 6435.07 | 7 | 8.4 V | 350 mAh | 2/3AA | 100 x 32 x 15 mm | 98 g | K 1 | Sanyo N-350AAC | 1050 mAh | 5 A | Side on Side |
| 6435.08 | 8 | 9.6 V | 350 mAh | 2/3AA | 115 x 32 x 15 mm | 110 g | K 1 | Sanyo N-350AAC | 1050 mAh | 5 A | Side on Side |
| 6437.07 | 7 | 8.4 V | 500 mAh | 2/3A | 117 x 32 x 17 mm | 140 g | K 2 | Sanyo N-500AR | 2000 mAh | 15 A | Side on Side |
| 6437.08 | 8 | 9.6 V | 500 mAh | 2/3A | 134 x 32 x 17 mm | 154 g | K 2 | Sanyo N-500AR | 2000 mAh | 15 A | Inline |
| 6437.10 | 10 | 12 V | 500 mAh | 2/3A | 142 x 35 x 17 mm | 200 g | K 2 | Sanyo N-500AR | 2000 mAh | 15 A | Inline |
| 6438.07 | 7 | 8.4 V | 600 mAh | 2/3A | 65 x 32 x 34 mm | 140 g | K 2 | Sanyo KR-600AE | 1500 mAh | 13 A | Folded |
| 6438.08 | 8 | 9.6 V | 600 mAh | 2/3A | 65 x 32 x 34 mm | 154 g | K 2 | Sanyo KR-600AE | 1500 mAh | 13 A | Folded |
| 6439.07 | 7 | 8.4 V | 600 mAh | 2/3A | 117 x 32 x 17 mm | 140 g | K 2 | Sanyo KR-600AE | 1500 mAh | 13 A | Side on Side |
| 6439.08 | 8 | 9.6 V | 600 mAh | 2/3A | 134 x 32 x 17 mm | 154 g | K 2 | Sanyo KR-600AE | 1500 mAh | 13 A | Inline |
| Nickel-Metal Hydride (Ni-MH) | | | | | | | | | | | |
| 6640.07 | 7 | 8.4 V | 300 mAh | 2/3AAA | 42 x 32 x 20 mm | 65 g | JST | | 500 mAh | 3 A | Folded |
| 6643.06 | 6 | 7.2 V | 750 mAh | AAA | 45 x 33 x 22 mm | 84 g | K 1 | Sanyo TwiCell HR-4U | 1100 mAh | 6 A | Block |
| 6643.08 | 8 | 9.6 V | 750 mAh | AAA | 90 x 22 x 22 mm | 112 g | K 1 | Sanyo TwiCell HR-4U | 1100 mAh | 6 A | Block |

Quantum Plus Ni-MH

New state-of-the-art Nickel Metal Hydride (Ni-MH) batteries. With low internal resistance, impressive maximum charge and discharge rates the Quantum Plus Ni-MH is a dream come true for the model sport industry. Approximately twice the capacity of comparable size Ni-Cd batteries. Single cells are sold without tab. 650HRD (Hi Rate Discharge) battery packs are assembled with 0.5 mm² flexible cable and K1 Gold Connector. 1100HRD battery packs are assembled with 1.5 mm² flexible silicone cable and K2 Gold Connector. The 4 and 5 cell receiver packs are assembled with a servo wire and JR style connector. Use a modern charger with an automatic peak detection cutoff system for Ni-MH batteries, such as Mini Charger Order No. 6440 or AC/DC Peak Detect Charger Order No. GAM.01.

Order No. 6647.08



| Order No. | Cells | Voltage | Capacity | Cell size | Dimensions approx. | Weight approx. | Connector | Quantum+ type | Max. charge approx. | Max. discharge approx. | Style |
|-----------|-------|---------|----------|-----------|--------------------|----------------|-----------|---------------|---------------------|------------------------|--------------|
| 6641 | 1 | 1.2 V | 650 mAh | 2/3AA | 29 x 14 mm | 15 g | - | 650HRD | 1300 mA | 6.5 A | Single Cell |
| 6641.06 | 6 | 7.2 V | 650 mAh | 2/3AA | 43 x 29 x 32 mm | 93 g | K1 | 650HRD | 1300 mA | 6.5 A | Folded |
| 6641.07 | 7 | 8.4 V | 650 mAh | 2/3AA | 57 x 29 x 32 mm | 109 g | K1 | 650HRD | 1300 mA | 6.5 A | Folded |
| 6641.08 | 8 | 9.6 V | 650 mAh | 2/3AA | 57 x 29 x 32 mm | 124 g | K1 | 650HRD | 1300 mA | 6.5 A | Folded |
| 6641.10 | 10 | 12.0 V | 650 mAh | 2/3AA | 71 x 29 x 32 mm | 155 g | K1 | 650HRD | 1300 mA | 6.5 A | Folded |
| 6642.04JR | 4 | 4.8 V | 650 mAh | 2/3AA | 57 x 30 x 15 mm | 63 g | JR | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6642.05JR | 5 | 6.0 V | 650 mAh | 2/3AA | 71 x 30 x 15 mm | 78 g | JR | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6642.06 | 6 | 7.2 V | 650 mAh | 2/3AA | 85 x 30 x 15 mm | 93 g | K1 | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6642.07 | 7 | 8.4 V | 650 mAh | 2/3AA | 99 x 30 x 15 mm | 109 g | K1 | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6642.08 | 8 | 9.6 V | 650 mAh | 2/3AA | 113 x 30 x 15 mm | 124 g | K1 | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6642.10 | 10 | 12.0 V | 650 mAh | 2/3AA | 141 x 30 x 15 mm | 155 g | K1 | 650HRD | 1300 mA | 6.5 A | Side on Side |
| 6646 | 1 | 1.2 V | 1100 mAh | 2/3A | 30 x 17 mm | 22 g | - | 1100HRD | 2200 mA | 15 A | Single Cell |
| 6646.07 | 7 | 8.4 V | 1100 mAh | 2/3A | 69 x 35 x 32 mm | 165 g | K2 | 1100HRD | 2200 mA | 15 A | Folded |
| 6646.08 | 8 | 9.6 V | 1100 mAh | 2/3A | 69 x 35 x 32 mm | 189 g | K2 | 1100HRD | 2200 mA | 15 A | Folded |
| 6646.10 | 10 | 12.0 V | 1100 mAh | 2/3A | 85 x 35 x 32 mm | 232 g | K2 | 1100HRD | 2200 mA | 15 A | Folded |
| 6647.04JR | 4 | 4.8 V | 1100 mAh | 2/3A | 64 x 35 x 18 mm | 96 g | JR | 1100HRD | 2200 mA | 15 A | Inline |
| 6647.05JR | 5 | 6.0 V | 1100 mAh | 2/3A | 80 x 35 x 18 mm | 120 g | JR | 1100HRD | 2200 mA | 15 A | Inline |
| 6647.07 | 7 | 8.4 V | 1100 mAh | 2/3A | 115 x 35 x 18 mm | 165 g | K2 | 1100HRD | 2200 mA | 15 A | Inline |
| 6647.08 | 8 | 9.6 V | 1100 mAh | 2/3A | 126 x 35 x 18 mm | 189 g | K2 | 1100HRD | 2200 mA | 15 A | Inline |
| 6647.10 | 10 | 12.0 V | 1100 mAh | 2/3A | 158 x 35 x 18 mm | 232 g | K2 | 1100HRD | 2200 mA | 15 A | Inline |

Quantum Plus Ni-MH



Style: **Inline**



Style: **Folded**



Style: **Block**



Style: **Side on Side**

| | Sanyo N-350AAC | Sanyo N-500AR | Sanyo KR-600AE | Sanyo 350 HR-UC | Quantum 650 | Sanyo 750 HR-4U | Quantum 1100 |
|---|--------------------|--------------------|---------------------------|--------------------|----------------------------------|--------------------|----------------------------------|
| BloodyMary No. 6423, 6523 | 6435.07 | | | | 6642.08 | 6643.08 | |
| ScrewDriver No. 6524 | | 6437.07 6437.08 | 6439.07 6439.08 | | | | 6647.08 |
| BlueDevil No. 6630 | | 6437.07 | 6439.07 | | 6642.08 | | 6647.08 |
| Albatros D. V No. 6527 | 6435.07 6435.08 | | | | 6642.08 | | |
| Fokker Dr. I No. 6525 | 6435.08 | | | | 6642.08 | | |
| Fokker D. VIII No. 6425 | 6435.08 | | | | 6642.08 | | |
| FW 56 "Stösser" No. 6427 | 6435.08 | | | | 6642.08 | 6643.08 | |
| Heinkel He-162 No. 6628 | | 6437.08 | 6439.08 | | | | 6647.08 |
| Sopwith Pup No. 6426 | 6435.07 6435.08 | | | | 6642.08 | | |
| Sopwith Triplane No. 6526 | 6435.08 | | | | 6642.08 | | |
| De Havilland DH-2 No. 6528 | | | 6438.07 | | | | 6646.07 6646.08 |
| Ford Tri-Motor No. 6529 | | 6437.07 6437.08 | 6439.07 6439.08 | | | | 6647.08 |
| Ford Tri-Motor w/ Floats No. 6629 | | | 6438.08 | | | | 6646.08 |
| KavanShot II No. 6428, 6429 | | | | 6640.07 | | | |
| SIG Rascal No. SIGRC80/ARF | | 6437.07 | 6439.07 | | | | 6647.08 |
| SIG Li'l Rascal No. SIGRC88ARF | | | | 6640.07 | | | |
| SIG JN-4 Jenny No. SIGRC93ARF | | | | 6640.07 | 6641.06 | 6643.06 | |
| SIG Bristol Scout No. SIGRC94ARF | | | | 6640.07 | 6641.06 | 6643.06 | |
| SIG Fokker D-VII No. SIGRC95ARF | | | | 6640.07 | 6641.06 | 6643.06 | |
| HERR Piper J-3 Cub No. HRR302 | | | | | 6641.08 6642.08 | 6643.08 | |
| HERR Rally - XP No. HRR303 | | | | | 6641.08 6642.08 | 6643.08 | |
| HERR Mini Sport No. HRR304 | | | | | 6641.08 6642.08 | 6643.08 | |
| HERR Air Boss No. HRR305 | | | | | 6641.08 6642.08 | 6643.08 | |
| HERR Cloud Ranger No. HRR508 | | 6437.07 | 6439.07 6438.07 | | | | 6646.08 6647.08 |

Mini Charger, 4-7 Cells

Slow & ParkFlyer airplanes use small Ni-Cd or Ni-MH battery packs. Standard chargers usually have an output current too great for these small battery packs. Mini Charger offers a choice of three output current settings. As a guideline use the chart below for choosing the output current.

| Ni-Cd Size | Ni-MH Size | Output |
|---------------|-----------------|--------|
| 50 - 110 mAh | 300 - 400 mAh | 0.3 A |
| 150 - 300 mAh | 500 - 800 mAh | 0.6 A |
| 350 - 800 mAh | 1200 - 1500 mAh | 1.5 A |

When the battery pack is full, charging automatically switches to trickle charge mode and the charge indicator LED blinks.

Order No. 6440

Specifications:

Cells: Ni-Cd or Ni-MH.

Power source: - 12 V DC (car battery) or regulated 12-13.8 V DC power supply, minimum 5 A.

Number of Cells: 4-7 or 4-8 cells if you use a 13.8 V DC power supply.

Output current: 300, 600 and 1500 mA.

Peak Detection Cutoff: Ni-Cd (Delta peak), Ni-MH ($\Delta U/\Delta t \rightarrow 0$).

Dimensions: 60 x 30 x 10 mm.

Protection:

- Temperature overload
- Input (car battery) polarity
- Output (battery pack) polarity
- Output short circuit

Requires: Banana Plugs (No. 0156) or K1 SlowFlyer Charging Cable (No. 6440.1) or K2 Charging Cable (No. 6323) or K4 Charging Cable (No. 6328).



Mini Charger, 4-7 Cells



AC/DC Peak Detect Charger

AC/DC PEAK DETECT CHARGER

Operate on either 12 V DC or 220 - 240 V AC. Removable AC power cord for added convenience when transporting and using at the flying field. This state-of-the-art charger is suitable for Ni-Cd or Ni-MH battery packs from 4 to 12 cells at a variable charge rate from 250 - 2000 mA. When the battery pack is full, charging automatically switches to trickle charge mode and the charge indicator LED blinks.

Order No. GAM.01

Technical specs.

Peak Detection Cutoff: Delta peak.

Output current: 250 to 2000 mA, adjustable.

Cells: 4 - 12 Ni-Cd or Ni-MH.

Input: 220 - 240 V AC or 12 V DC.

Input Leads: Removable AC power cord for 230 V and crocodile clips for 12 V.

Output Leads: None supplied Euro Universal (stereo speaker style) connection at output terminals.

90 minute auto shut-off if pack fails to peak.

LED indicator.

Removable AC power cord for field use.

Requires:

K1 SlowFlyer Charging Cable (No. 6440.2), K2 Charging Cable (No. 6324) or K4 Charging Cable (No. 6329).

Charging cables



Order No. 6323



Order No. 6440.1

- K1 Charging cable with banana plug
- K1 Charging cable w/o banana plug
- K2 Charging cable with banana plug
- K2 Charging cable w/o banana plug
- K4 Charging cable with banana plug
- K4 Charging cable w/o banana plug

- Order No. 6440.1
- Order No. 6440.2
- Order No. 6323
- Order No. 6324
- Order No. 6328
- Order No. 6329

Additional accessories

K1 Gold Connectors for SlowFlyers

Use the tiny and light (less than 1 g) K1 gold plated connectors for airplanes drawing up to 8 Amp. Fits maximum wire housing OD of 2.4 mm and maximum wire area of 0.50 mm² (20 AWG). For simplified motor to speed control connections use No. 6442. For safe battery to speed control and charger connections use No. 6443. To set up a speed control and charger to function with KAVAN's prewired Slow and ParkFlyers order No. 6444.

Description

K1 Gold Connector, non-polarized, pair

Order No. 6442

K1P Gold Connector, polarized, pair

Order No. 6443

K1 Gold Connectors for speed control and charger, 3 pcs.

Order No. 6444

Replacement K1 Shrink tubing, 10 pair

Order No. 6441



6442 / 6443

K1 / K2 Motor Cable

Solder to the motor terminals. The K1 / K2 Motor Cables are preassembled with highly flexible 0.50 mm² / 1.50 mm² cables.

Length over all: approx. 75 mm (3")

K1 Motor cable **Order No. 6445**

K2 Motor cable **Order No. 6545**



K2 / K1 Motor Cables



K2/K4 Gold Connector

Polarized "K" Gold Connectors for Electric Models

K2 and K4 Gold Connectors are small and lightweight. K2 is designed for 400 class electric flight models. K4 is designed for larger electric models. 1 set: 1 plastic housing with 1 female and 1 male connector. Pack: 2 sets.

| Connector | Max. Wire Housing | Max. Wire Area | Max. Current | Order No. |
|------------|-------------------|---------------------|--------------|-------------|
| K2, red | 3 mm OD | 1,5 mm ² | 20 A | 6321 |
| K2, yellow | 3 mm OD | 1,5 mm ² | 20 A | 6322 |
| K4, red | 4.7 mm OD | 4 mm ² | 60 A | 6326 |
| K4, yellow | 4.7 mm OD | 4 mm ² | 60 A | 6327 |

Banana Plugs

Dia. 4 mm (.16"), red/black
Pack: 1 pair

Order No. 0156



Banana Plugs

47 nF Capacitor

Suppression capacitors for electric motors.
Pack: 10 pcs.

Order No. 6690



Capacitors



FlexiWire

FlexiWire

Highly flexible 1.5 mm² copper wire with silicone housing. Fits K2 Gold Connectors, max current: approx. 15 A

FlexiWire **Order No.**

1 m black, 1 m red **6670**

2 m black **6671**

2 m red **6672**

2 m yellow **6673**



SlowFlyer Control Horn

SlowFlyer Control Horn

Nylon control horn for small airplanes. Included with many of KAVAN'S Slow and ParkFlyers. Install with a drop of Cyanoacrylate or Epoxy glue. Available for either 0.8 mm (1/32") or 1.2 mm (3/64") diameter steel pushrods. Length (w/o studs) 12 mm (1/2"). Pack: 3 pcs.

For 0.8 mm (1/32") PushRods

Order No. 6385

For 1.2 mm (3/64") PushRods

Order No. 6386

Astro Super "Watt" Meter

Super "Watt" Meter is a sophisticated electronic measuring device that takes the guesswork out of electric flight. It is useful for adjusting the motor timing and to help select the correct prop size. Supplied without connectors.

Specification:

Max. Volt: 80 V

Max Ampere: 75 A

Max Power: 6000 W

Res. Current: 100 mA

Astro Super "Watt" Meter **Order No. AST.101**



Astro Super Watt Meter

”Micro“ Electric Ducted Fan for 300 size Motor

”Micro“ EDF has a 50 mm inner diameter and accepts motors up to 25 mm in diameter. The fan unit was designed around the 300 size motor (No. 6595 recommended but not included) which gives about 200 g (7.1 oz) of thrust on eight cells. The glass reinforced rotor is strong enough for more powerful brushless motors such as Lehner, Hacker and Astro. Includes 2.0 mm motor shaft adapter (No. 6650.1).

Technical Specs.

Material: Nylon, ABS, Aluminum
 Weight: approx. 16 g (.6 oz)
 Input power: 20-300 W
 Rotor: 4 bladed (50 mm) glass filled
 Max. thrust: 4 N approx. 400 g (14.1 oz)

”Micro“ EDF for 300 Motor
 2.00 mm adapter for 6650
 2.30 mm adapter for 6650
 3.00 mm adapter for 6650
 3.17 mm (1/8”) adapter for 6650

Order No. 6650
Order No. 6650.1
Order No. 6650.2
Order No. 6650.3
Order No. 6650.4

Order No. 6650



Order No. 6628.1

”Micro“ EDF with 300 Motor Set for ”Salamander”

Includes ”Micro“ EDF unit (No. 6650), Swift 300 motor with a smooth 2 mm shaft (No. 6595) for minimum vibration, K2 Gold Connector, hardware and a simple step by step instruction. This is the most economical and efficient EDF Set available for ”Salamander”. Requires an 8 cell 600 mAh battery pack (No. 6439.08) and 12 A Speed Control (No. 6485)

”Micro“ EDF with 300 Motor Set for ”Salamander” **Order No. 6628.1**



KAVAN 2-Pitch Hub for Electric Flight

A fixed pitch propeller compromises flight performance of R/C model aircraft just as it does in full-scale aircraft. For best takeoff and climb performance a low-pitch propeller is desired. For efficient cruise performance and high speed a high-pitch propeller is desired. 2-Pitch Hub removes the performance limitations of a fixed pitch propeller for R/C model aircraft.

Typical Flight with 2-Pitch Hub

For takeoff, advance the throttle quickly to full power and 2-Pitch Hub automatically cycles the propeller from high-pitch to low-pitch and holds low-pitch until you reduce the throttle. At altitude reduce the throttle momentarily. 2-Pitch Hub immediately cycles the propeller to high-pitch. Increase the throttle slowly (from slow to fast in about 3 seconds) and 2-Pitch Hub holds the high-pitch setting.

2-Pitch Hub requires a little experimentation in technique and adjustment but will add performance and enjoyment to your flying!

Features of 2-Pitch Hub

- uses standard folding propeller blades (8 mm hub diameter) as available from Graupner, Aero-Naut and Robbe.
- allows for quick and simple pitch changes. One screw adjusts the high-pitch setting (0 to +10 degrees) and one screw adjusts the low-pitch setting (0 to -5 degrees).
- requires no extra servo for pitch changes.
- weighs only 45 g (1.6 oz) and manufactured from a variety of metals.
- is easily adjusted for a wide range of use- prop diameters from 9 to 14”, direct drive or geared motors, motor input: 100 to 700 watts, and slow or fast airplanes.

Designed by Chief Engineer Carl Schwab in Huntington Station, NY, USA.

Order No. 6200 for a 5 mm or 4 mm (5/32”) prop shaft. Order No. 6205 for ¼”- 28 threaded prop shafts.

2-Pitch Hub for Electric Flight, 5 mm **Order No. 6200**

2-Pitch Hub for Electric Flight, ¼” thread **Order No. 6205**

SPF GearBox

SPF (Slow & ParkFlyer) GearBox more efficiently transfers the power of the motor to the prop. Most of KAVAN's 280 powered aircraft include the SPF GearBox with APC prop.

Features:

SPF's steel M5 prop shaft fits APC SlowFlyer props perfectly; no additional adapters are needed.

Horizontal mounting holes are 32 mm apart. For added stability a third mounting hole is triangularly located at 30 mm (slightly above the prop shaft).

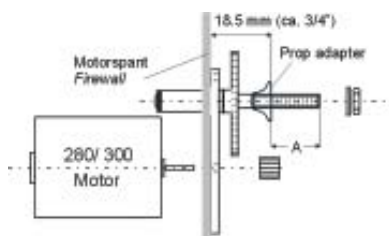
Available in two prop shaft lengths: Standard and "Long". Use the "Long" version when your airplane has a long motor cowl.

Threaded prop adapter, therefore the prop can be horizontally adjusted to perfectly fit your airplane.

Weight: Standard: 18 g, "Long": 20 g.

| Ratio | Motor | Standard No. A* = 16 mm | "Long" No. A* = 23 mm |
|--------|-------|----------------------------|--------------------------|
| 3.00:1 | 280 | 6550.300 | 6557.300 |
| 3.43:1 | 280 | 6550.343 | 6557.343 |
| 3.63:1 | 280 | 6550.363 | 6557.363 |
| 4.14:1 | 280 | 6550.414 | 6557.414 |
| 4.46:1 | 280 | 6550.446 | 6557.446 |
| 5.27:1 | 300 | 6550.527 | 6557.527 |
| 5.80:1 | 300 | 6550.580 | 6557.580 |

* A = Prop adapter to prop shaft tip (see drawing)



SPF Gearbox



Order No. 6564.330



Order No. 6565.430

4:1 GearBox for 280 Motor

Use with Swift 280 motor (No. 6496) and 2-Blade Prop (No. 6472) or 3-Blade-Prop (No. 6476). Prop and motor simply push on and into the GearBox, respectively. A bronze bushing is used on the main shaft and bronze pinion gear included for the motor shaft. Prop shaft size: 6 mm, weight: 10 g, front mounting holes: 32 mm apart.

Order No. 6495



4:1 GearBox

KAVAN Planetary GearBoxes

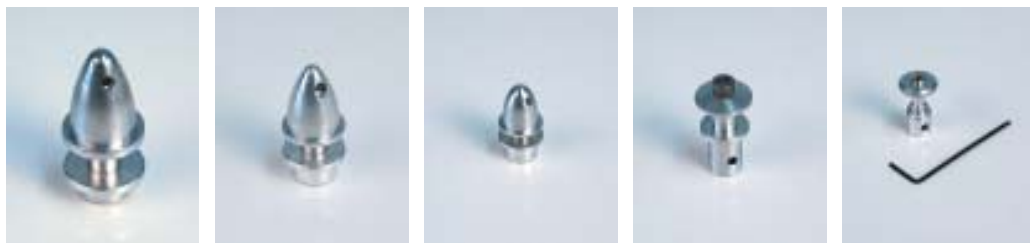
Alloy steel gears & shaft/carrier, 28° pressure angle for maximum strength, Hi-temp grease ensures smooth, quiet operation under heavy load. Fits KAVAN Cobalt K400/K500 and many Hacker, Mega, Aveox and Astro motors. Dual ball bearings with 5 mm output shaft. For motors up to 800 Watts. Includes 2 pinion gears for different motor shaft sizes.

Specifications:

| Order No. | 6564.330 | 6564.430 | 6565.330 | 6565.430 |
|----------------------|----------------|----------|-----------------|----------|
| For Motor | K400 | K400 | K500 | K500 |
| Gear Ratio | 3.33:1 | 4.28:1 | 3.33:1 | 4.28:1 |
| For Motor Shaft dia. | 2.3 or 3.17 mm | | 3.17 mm or 4 mm | |
| Mounting pattern | 16 mm | 16 mm | 16 or 25.4 mm | |
| Weight | 57 g | 57 g | 59 g | 59 g |

Aluminum Prop Adapters

High Quality prop adapters precision turned aluminum. Runs perfectly centered.



Order No. 6579 Order No. 6577 Order No. 6574 Order No. 6573 Order No. 6571

Specifications:

| Order No. | Motor Shaft | Prop Shaft | Type | Application |
|-----------|-------------|------------|-----------|----------------------------------|
| 6571 | 2 mm | 3/4/5.5 mm | Set Screw | 200/300 size motors |
| 6573 | 2.3 mm | 5 mm | Set Screw | 400/480 size motors |
| 6574 | 2.3 mm | 5 mm | Collet | 400/480 size motors |
| 6576 | 3.17 mm | 7.25 mm | Collet | Cobalt K400, 500/600 size motors |
| 6577 | 4 mm | 7.25 mm | Collet | Cobalt K500 |
| 6579 | 5 mm | 8 mm | Collet | Large motors, foldet prop hubs |

Aluminum Precision Spinners

Precision turned Spinners made of high quality aluminum bar stock. Light weight design, multiple collets for different motors included and a polished to mirror shine finish.



Aluminum Precision Spinners

Specifications:

| Order No. | Diameter | Motor Shaft | Weight | Application |
|-----------|----------|---------------|--------|---------------------------------|
| 6583 | 29 mm | 2.3/3.17/4 mm | 7.4 g | 400/480/K400/ K500 motors |
| 6586 | 38 mm | 3.17/4/5 mm | 11.4 g | 500/600/700 K400/K500 motors |

Micro Electric Drive System

Standard propeller, motor and GearBox included with KavanShot II and SIG Li'l Rascal ARF. Spinner includes aluminum 3 mm prop shaft adapter.

180-size motor w/ 2.9:1 aluminum GearBox
KavanShot II/Li'l Rascal ARF Prop 6 x 4" Spinner for Order No. 6478

Order No. 6491
Order No. 6478
Order No. 6479



Order No. 6478, 6479

Slow & ParkFlyer Props

Size: 23.5 X 18 cm (9.25 X 7"). Standard propeller included with the BloodyMary, BloodyMary Thermal airplanes. Mounting hole is 5.9 mm; for a perfect press fit on the 4:1 GearBox for Swift 280 Motor, No. 6495. 2-Blade Prop shown with optional vaccum formed spinner. Mount spinner with 2 drops of glue. Blades are individually replaceable. Size: 4.9 x 4.3". Press fits on a 280 to 480 motor shaft (Ø 2 - 2.3 mm). Secure with a drop of CA.

SlowFlyer 2-Blade Prop
SlowFlyer 3-Blade Prop
Spinner for Order No. 6472
Replacement for Order No. 6472/6474
Günther Prop 4.9 x 4.3" with Spinner



Order No. 6470

Order No. 6472
Order No. 6474
Order No. 6473
Order No. 6476
Order No. 6470



Plastic SlowFlyer Prop

APC Propellers for Electric Flight

APC composite propellers are designed using a proprietary PC based CAD-CAM system. The propellers have a longer and greater fiber content (60%), as compared to conventional glass filled nylon propellers. This provides substantially higher strength and stiffness compared to more conventional processes which use short or chopped fibers. The higher strength allows the use of relatively thinner cross-sections; beneficial to weight and aerodynamic efficiency.



APC Prop, 400 E

For use in the
400 - 480 size motor class



APC Prop, SlowFly

For general use on
Slow & Parkflyer airplanes



APC Prop, thin Electric

For use on higher rpm
electric drives.



APC Prop, FreeFlight

For use in the upper model
speed range.

| Order No. | Description | Size (inch) |
|------------|-------------------------|-------------|
| AP.104141 | APC Prop, 400 Electric: | 4.1x4.1" |
| AP.104541 | APC Prop, 400 Electric: | 4.5x4.1" |
| AP.104742 | APC Prop, 400 Electric: | 4.7x4.2" |
| AP.104745 | APC Prop, 400 Electric: | 4.75x4.5" |
| AP.104747 | APC Prop, 400 Electric: | 4.75x4.75" |
| AP.105050 | APC Prop, 400 Electric: | 5x5" |
| AP.1053475 | APC Prop, 400 Electric: | 5.25x4.75" |
| AP.105545 | APC Prop, 400 Electric: | 5.5x4.5" |
| AP.106040 | APC Prop, 400 Electric: | 6x4"E |
| AP.207040 | APC Prop, SlowFly: | 7x4" |
| AP.207050 | APC Prop, SlowFly: | 7x5"SF |
| AP.207060 | APC Prop, SlowFly: | 7x6"SF |
| AP.208038 | APC Prop, SlowFly: | 8x3.8" |
| AP.208060 | APC Prop, SlowFly: | 8x6" |
| AP.209038 | APC Prop, SlowFly: | 9x3.8" |
| AP.209047 | APC Prop, SlowFly: | 9x4.7" |
| AP.209060 | APC Prop, SlowFly: | 9x6" |
| AP.209075 | APC Prop, SlowFly: | 9x7.5"SF |
| AP.210038 | APC Prop, SlowFly: | 10x3.8" |
| AP.210047 | APC Prop, SlowFly: | 10x4.7" |
| AP.210070 | APC Prop, SlowFly: | 10x7" |
| AP.211038 | APC Prop, SlowFly: | 11x3.8" |
| AP.211047 | APC Prop, SlowFly: | 11x4.7" |
| AP.211070 | APC Prop, SlowFly: | 11x7" |
| AP.212038 | APC Prop, SlowFly: | 12x3.8" |
| AP.212060 | APC Prop, SlowFly: | 12x6" |

| Order No. | Description | Size (inch) |
|-----------|--------------------------|-------------|
| AP.306055 | APC Prop, Thin Electric: | 6x5.5" |
| AP.307050 | APC Prop, Thin Electric: | 7x5"E |
| AP.30804 | APC Prop, Thin Electric: | 8x4"E |
| AP.308060 | APC Prop, Thin Electric: | 8x6"E |
| AP.308080 | APC Prop, Thin Electric: | 8x8"E |
| AP.309045 | APC Prop, Thin Electric: | 9x4.5"E |
| AP.309060 | APC Prop, Thin Electric: | 9x6"E |
| AP.309075 | APC Prop, Thin Electric: | 9x7.5"E |
| AP.309090 | APC Prop, Thin Electric: | 9x9"E |
| AP.310010 | APC Prop, Thin Electric: | 10x10"E |
| AP.310050 | APC Prop, Thin Electric: | 10x5"E |
| AP.310070 | APC Prop, Thin Electric: | 10x7"E |
| AP.311010 | APC Prop, Thin Electric: | 11x10"E |
| AP.311055 | APC Prop, Thin Electric: | 11x5.5"E |
| AP.311070 | APC Prop, Thin Electric: | 11x7"E |
| AP.311080 | APC Prop, Thin Electric: | 11x8"E |
| AP.311085 | APC Prop, Thin Electric: | 11x8.5"E |
| AP.312010 | APC Prop, Thin Electric: | 12x10"E |
| AP.312012 | APC Prop, Thin Electric: | 12x12"E |
| AP.312060 | APC Prop, Thin Electric: | 12x6"E |
| AP.312080 | APC Prop, Thin Electric: | 12x8"E |
| AP.313010 | APC Prop, Thin Electric: | 13x10"E |
| AP.313040 | APC Prop, Thin Electric: | 13x4"E |
| AP.313065 | APC Prop, Thin Electric: | 13x6.5"E |
| AP.313080 | APC Prop, Thin Electric: | 13x8"E |

| Order No. | Description | Size (inch) |
|-------------|--------------------------|-------------|
| AP.314010 | APC Prop, Thin Electric: | 14x10"E |
| AP.314012 | APC Prop, Thin Electric: | 14x12"E |
| AP.314070 | APC Prop, Thin Electric: | 14x7"E |
| AP.404240 | APC Prop, FreeFlight: | 4.2x4" |
| AP.405030 | APC Prop, FreeFlight: | 5x3" |
| AP.405520 | APC Prop, FreeFlight: | 5.5x2" |
| AP.405525 | APC Prop, FreeFlight: | 5.5x2.5" |
| AP.405730 | APC Prop, FreeFlight: | 5.7x3" |
| AP.406020 | APC Prop, FreeFlight: | 6x2" |
| AP.406030 | APC Prop, FreeFlight: | 6x3" |
| AP.406529 | APC Prop, FreeFlight: | 6.5x2.9" |
| AP.407030 | APC Prop, FreeFlight: | 7x3" |
| AP.407040 | APC Prop, FreeFlight: | 7x4" |
| AP.40713675 | APC Prop, FreeFlight: | 7.125x7.75" |
| AP.40763325 | APC Prop, FreeFlight: | 7.625x3.25" |
| AP.407840 | APC Prop, FreeFlight: | 7.8x4" |
| AP.408037 | APC Prop, FreeFlight: | 8x3.75" |
| AP.408037W | APC Prop, FreeFlight: | 8x3.75"W |
| AP.408040 | APC Prop, FreeFlight: | 8x4" |
| AP.40863375 | APC Prop, FreeFlight: | 8.625x3.75" |
| AP.409040 | APC Prop, FreeFlight: | 9x4" |
| AP.409050 | APC Prop, FreeFlight: | 9x5" |
| AP.409545 | APC Prop, FreeFlight: | 9.5x4.5" |
| AP.409638 | APC Prop, FreeFlight: | 9.625x3.75" |
| AP.410545 | APC Prop, FreeFlight: | 10.5x4.5" |