

# KOFORD

## ENGINEERING

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[www.koford.com/slot/](http://www.koford.com/slot/)

# 2019



### 2019 National Champions

Koford Engineering is the leading producer of high performance slot car equipment. We produce a complete line of products for every class of wing car racing, and a wide variety of products for Euro, drag, Retro and scale racing. Our controllers feature innovative design, smooth action and long life. We also offer accessory equipment such as power supplies, grinders, tire wrenches, and many other items.

Koford Engineering finished 1'st and 2'rd in Pro G7 at the 2019 NASRA wing Nat's! 1'st and 2'nd USRA Nat's!

Koford Engineering finished 1'st in TMO at the 2019 NASRA Wing Nat's!

Koford Engineering finished 1'st in G27L in the 2019 NASRA Wing Nat's! 1'st USRA Nat's!

Koford Engineering finished 1'st in C12 in the 2019 NASRA Wing Nat's!

Koford Engineering arms, chassis, magnets, tires and other parts finished 1'st in HB in the 2019 NASRAWing Nat's!

Koford Engineering arms, cans, magnets, tires, and other parts finished 1'st in OM12 in the 2019 NASRA Wing Nat's!

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## **OPEN ARMATURES**

Koford armatures have won nearly every major race for the past 25 years including the 2019 Nat's. The advanced technology and exacting quality of Koford arms puts them in a class by themselves. Koford SAW comms are produced entirely at the Koford factory with computer controlled equipment producing tolerances in the millionths. No competitor has been able to duplicate their unique design which provides superior strength and stability at speeds of 200,000 rpm and more. Koford arms also feature Koford produced 800° epoxy which is available nowhere else. Heat which will destroy other arms will not affect our arms. Our armature shafts are made from special high speed steel with superior magnetic characteristics and are precision ground, plated with a ultra hard low friction coating which features superior solderability to prevent pinion spinning and resist corrosion, and then they are ground again to achieve diameter tolerances typically in the millionths.

M620-84 K blank, 490 84 23° SAW com open arm, fits setups for .840 long arms. \$92.88 ea.

M199SAW Custom G7 SAW comm, specify blank (K or 459), stack diameter, stack length, overall length, wind and timing. Made to order 4-6 week lead time. \$107.09 ea.

M275SC15-24 459 drag arms. Approx. .860 long. High time. \$92.88 ea.

M468-84.5 .510 84.5 wind, C can drag arms. \$74.26 ea.

## **EUROSPORT ARMATURES**

M619M-E .300 stack K blank .480 diameter Eurosport, long comm .753 long arms to fit .480 tall Koford set ups. For 1/24 Euro. The K blank produces maximum horsepower. Specify wind and timing 84, 84.5, with 20-26° timing suggested. Maximum 18t-24, 18t-24.5, 23t-25. Also specify 2.0, 1.5, or 1.25 mm shaft. Specify .753 long for Koford set ups and .776 long for Cahoza set ups. 1'st 1/24 Euro ISRA World's. \$107.09 ea.

M255M-E H blank Eurosport, .300 long stack .480 diameter, long comm .753 long arms to fit .480 tall Koford set ups. For 1/32 Euro. The H blank is lighter and easiest to drive. Specify wind and timing. 22t-25, 23t-25, 26t-26 and 20° to 28° timing suggested. Maximum 18t-24, 19t-24.5, 23t-25. Specify 2.0, 1.5, or 1.25 mm shaft. Specify .753 long for Koford set ups and .776 long for Cahoza set ups. \$107.09 ea.

M619F-E .240 stack .480 diameter K blank, long comm Eurosport .707 long to fit .480 tall Koford set ups. For 1/32 Euro. The K blank produces maximum horsepower. Specify wind and timing. 20t-25 or 22t-25 and 20° to 28° timing suggested. Specify 2.0 or 1.5mm shaft. \$107.09 ea.

M255F-E .240 stack .480 diameter H blank, long comm Eurosport .707 long to fit .480 tall Koford set ups. For 1/32 or F1 Euro. The H blank is lighter and easiest to drive. Specify wind and timing. 20t-25, 22t-25, or 45t-29 and 20° to 28° timing suggested. Specify 2.0 or 1.5mm shaft. \$107.09 ea.

M255EH .235 stack, .664 long, H blank ultrashort custom Euro arm with angled comm tabs for F1. Specify diameter, wind and timing. Typical specs are .465-.470 diameter, 44 to 50 of 29 or 30 wire, 28 degree timing. 1'st ISRA World's. Specify 2.0, 1.5 or 1.25mm shaft. \$107.09 ea.

**NEW!** M275EH .235 stack, .664 long, 459 blank ultrashort custom Euro arm with angled comm tabs for F1. Specify diameter, wind and timing. Typical specs are .455-.460 diameter, 44 to 50 of 29 or 30 wire, 28 degree timing. Specify 2.0, 1.5, or 1.25 mm shaft. \$107.09 ea.

## **GROUP 27 ARMATURES**

**NEW!** M467-27-B-38 Wound on the famous Tri Star G27 blank this is an .850 long .500 dia. 38° arm featuring the Koford short SAW comm, 800° epoxy, and plated shaft. \$81.51 ea.

M467-27B-40 Wound on the famous Tri Star G27 blank this is an .850 long .500 dia. 40° arm featuring the Koford short SAW comm, 800° epoxy, and plated shaft. \$81.51 ea.

M467-27-C Custom timing or diameter. \$91.81 ea.

## **GROUP 20 ARMATURES**

M468-20-44 Tri-Star Drag 20 arm, .510 dia., 44° \$54.56 ea.

M468-20-48 Tri-Star Drag 20 arm, .510 dia., 48° \$54.56 ea.

M468-20-50 Tri-Star Drag 20 arm, .510 dia., 50° \$54.56 ea.

M468-20L Tri-Star G20 arm to fit Box Stock set ups. .518 diameter replacement arm for G20 RTR cars. 30° timing for road racing. \$53.53 ea. ea.

M468-20H Tri-Star drag 20 arm, .518 dia., 40° for SS/A class. \$53.53 ea.

## **C12 ARMS**

M467-12-CU custom arm, specify timing and diameter .760 long. \$55.00 ea.

M467-12C .490 32° arm .760 long. \$55.00 ea.

M467-12B .490 40° arm .760 length. \$55.00 ea.

M467-12D C12 race arm .500 diameter 32° approx. .760 long. \$55.00 ea.

## **GROUP 12 ARMS**

M468-H12 Handwound 12 arm to fit Box set ups for "Hillbilly Box" racing. 518 diameter. Specify timing. H12 tag. \$58.00 ea.

M468-Box-40 Tri-Star G12 arm .518 diameter 40° timing. Multiple Nat's winner. Features super hard, wear resistant, better than drill blank shaft and 800° epoxy for the ultimate in reliability. \$48.72 ea.

M468-12-44 Tri-Star drag 12 arm, .510 dia., 44° \$49.45 ea.

M468-12-48 Tri-Star drag 12 arm, .510 dia., 48° \$49.45 ea.

## **COMPETITOR ARMS**

M468A Competitor arm wound on Tri-Star .518 diameter \$38.59 ea

## **SUPERWASP ARMS**

M468-SW Super Wasp arm wound on Tri-Star .518 diameter \$40.43 ea

## **HAWK ARMS**

**NEW!** M645-48 Group 19 (G20 on a .350 long blank) 48° replacement arm for M721 drag motor. Better than drill blank shaft, 800° epoxy. \$46.40 ea.

M645-12-40 G12 arm to fit JK Hawk 6 bonded neo magnet set up. Better than drill blank shaft, 800° epoxy. 40° timing. recommended for neo magnet set ups only. \$45.40 ea.

M644 Koford replacement arm for JK Hawk 6. Better than drill blank shaft, 800° epoxy. \$37.79 ea.

M645-12-34 G12 arm to fit JK Hawk 6 ceramic magnet set up. Better than drill blank shaft, 800° epoxy. 34° timing. Gear 8-44. \$45.40 ea.

M645-19 Group 19 (G20 on a .350 long blank) Drag arm for JK Hawk 6. Better than drill blank shaft, 800° epoxy. \$46.40 ea.

## **GROUP 15 ARMS**

M467-15B .490 G15 arms based on the Tri-Star blank. Length is .850. Specify timing -38, -40 or -44 \$60.00ea.

M467-15C .500 G15 arms based on the TriStar blank. Length is .850. 2010 Nat's winner. Specify timing -38, -40, or -44. \$60.00 ea.

## **OPEN - COBALT SET UPS**

Koford set ups have been the most successful G7 set up for the last 14 years. Superior magnet design & material, a can with the strength required for open racing combined with superior magnetic properties and a plated finish for anti rust, better solder adhesion and superior magnet retention, vertical brushes for cooler, more efficient operation and 16% more swept comm area, are among a few of the reasons why. We have a motor design suitable for any racing or qualifying condition. Our Nat's winning 20/24/26/28/30 mags are a breakthrough in magnet design providing high highest performance with the longest motor life. Our superstrong but lightweight can provides the ultimate in durability.

M283-20-380 Twenty mag open set up with billet ball bearings, 380 long magnets and .480 tall plated CNC can and Gold vertical hoods to fit 490 open arms. \$369.18 ea.

M283-24-380 Twenty four mag open set up with billet ball bearings, 380 long magnets and .480 tall plated CNC can and Gold vertical hoods to fit 490 open arms. \$380.67 ea.

## **OPEN DRAG - COBALT SET UPS**

M283-D6 .480 high x .400 long 6 magnet drag set up for .459 dia. drag arms in billet can. \$294.07 ea.

M283-DS6 .480 high x .400 long 6 magnet drag set up for .445 dia. drag arms in billet can. \$304.71 ea.

## **G27L/G27 COBALT SET UPS**

Koford set ups have become the standard for the G27 class. Koford set ups are smaller, lighter and more reliable than competitors products and feature plated cans to prevent rust and provide superior magnet retention. Our special group endbells are smaller and lighter for better handling, and stronger for better durability. These products take a .850 long arm.

M283-27R G27L light set up with radial magnets. CNC can. Fits .495 to .500 dia. arm. \$237.73 ea.

M283-6-400 "Big Six" mag G27 set up with 400 long x .480 tall magnets, CNC can and Gold horizontal hoods to fit .490 G27 arms. \$249.50 ea.

## **C12 COBALT SET UPS**

Nat's winner and World record setter! Koford set ups are smaller, lighter and more reliable than competitors products and feature precision CNC with plating cans to prevent rust and provide superior magnet retention. Our special group endbells are smaller and lighter for better handling.

M283-6-C12 C12 6 mag with .480 tall CNC can to fit .760 long .490 dia. arms. \$236.56 ea.

M283X Quad magnet CNC can ultra short Amateur C12 legal set up. Fits .760 long .490 dia. arm. \$198.91 ea.

## **EUROSPORT SET UPS**

M283-E24-300L 1/24 Euro set up with long tower endbell for capped comms and small OD M715 CNC can with .450 tall 24 mags, vertical hoods to fit .753 long (before capping) x .300 x .480 dia. arms. \$361.18 ea.

M283-E24-300S 1/24 Euro set up with small OD M715 CNC can with .450 tall 24 mags, vertical hoods to fit .753 long x .300 x .480 dia. arms. \$360.13 ea.

M283-E10-250 1/32 or F1 Euro set up with short small OD M702 CNC can with .430 tall 10 mags, vertical hoods to fit .707 long x .240 x .480 dia. arms. \$246.89 ea.

## **C CAN CERAMIC SET UPS**

**NEW!** M547C Double ball bearing set up with M727 can, .450 long magnets. \$68.02 ea.

M547B Ultra set up with M528 can, .450 long magnets and can bb for .518 arms. \$53.50 ea.

M547A Ultra set up with M528 can, .450 long magnets, for .518 arms \$38.98 ea.

M508 Set-up with M505 can and .500 magnets for .518 arms. \$38.98 ea.

M508A Set-up with M505 can and .500 magnets and with can ball bearing for .518 arms. \$53.50 ea.

M508B Super Feather light weight set up with double ball bearings and gold plated horizontal hoods for .518 arms. \$73.98 ea.

## **G15 SET UPS**

M548B CNC can set up with .500 long Radial magnets for .500 arm. \$144.85 ea.

M548A CNC can set up with .450 long Radial magnets for .500 arm. \$144.85 ea.

## **COMPLETE G7 MOTORS**

M196-20-G7 20 mag CNC open motor with 84 SAW arm. \$438.86 ea.

M196D654 G7 drag motor with .480 tall extra thick 6 mags in CNC billet can with high time .459 dia. 54 arm. \$366.32 ea.

## **COMPLETE 27L MOTOR**

M196-27R G27 Light motor with radial magnets. CNC can with .440 long singles. \$338.25 ea.

## **COMPLETE EUROSPORT MOTORS**

M196-E24-300 1/24 Eurosport motor with small OD can, .300 stack .480 84 arm, 24 mag 450 tall set up and 1.5mm arm shaft. \$491.18 ea.

M196-E10-250A 1/32 Eurosport motor with short small OD can, .240 stack .480 22T-25 arm, 10 mag 435 tall set up and 1.5 mm arm shaft. \$373.23 ea.

M196-E10-250B 1/32 F1 motor with short small OD can, .240 stack .480 45T-29 arm, 10 mag 435 tall set up and 1.5 mm arm shaft. \$373.23 ea.

## **COMPLETE C12 MOTORS**

M196-C12AQ Cobalt 12 motor with tall quad magnets, CNC can and .760 long arm. \$254.48 ea.

M196-6-C12 480 tall 6 mag C12 motor in CNC can. \$291.03

## **CERAMIC C CAN WING AND SCALE MOTORS**

**M527I** Aluminum endbell H12 motor for Hillbilly Box racing with double ball bearings and shunts. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$161.92 ea.

**M527H** Aluminum endbell G12 motor for scale racing with double ball bearings and shunts. 518 48° arm. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$147.78 ea.

**M527C** Ultra Competitor Motor. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$75.98 ea.

**M527SW** Ultra Super Wasp Motor. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$73.37 ea.

**M527A** Ultra G12 motor. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$77.70 ea.

**M527B** Ultra G12 blueprinted motor with shunts and can ball bearing. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$107.59 ea.

**M527D** Ultra G12 blueprinted motor with can ball bearing. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$84.50 ea.

**M527E** High time 44° arm .518 Ultra G12 blueprinted motor with can ball bearing for scale racing with 8T pinion or for use on low power. Lightweight can and .450 long magnets. \$85.53 ea.

**M527F** High time 44° .518 arm Ultra G12 blueprinted motor with double ball bearings and shunts for scale racing. Gear with 8T (64p) or 9t (72p) pinion. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$130.89 ea.

**M527G** 40° .518 arm Ultra G12 blueprinted motor with double ball bearings and shunts. Lightweight can and .450 long magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$124.66 ea.

**M504D** Super Feather RTR G12 Motor with shunts and can ball bearing. Heavier and stronger can and .500 magnets. Motor is assembled by Koford craftsmen with premium brushes and fully broken in. \$102.49 ea.

**M504E** Super Feather RTR G12 Motor with shunts and double ball bearings. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$117.66 ea.

**M504G** Super Feather RTR Gp 12 motor with can ball bearing. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$84.50 ea.

**M504H** High time arm Super Feather RTR Gp 12 motor with can ball bearing. 44° .518 arm. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$84.70 ea.

**M504I** Scale High time arm Super Feather RTR Gp 12 motor with double ball bearing 48° arm and shunts. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$124.66 ea.

**M504A** Super Feather RTR Gp 12 motor. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$77.70 ea.

**M504C** Super Feather RTR Competitor Motor. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$72.35 ea.

**M504F** Super Feather RTR Super Wasp Motor. Heavier and stronger can and .500 magnets. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$69.88 ea.

**M504-20RTR** Replacement motor for Koford G20 RTR cars. Motor is blueprinted and assembled by Koford craftsmen with premium brushes and fully broken in. \$83.92 ea.

## **DRAG TG MOTORS**

M597 Neo magnet, TG 84.5 C can drag motor with shunts. Fully broken in and ready to win. Screw in only. \$145.69 ea.

M598 Double ball bearing Neo magnet, TG 84.5 C can motor with shunts. Fully broken in and ready to win. Screw in only. \$172.00 ea.

## **DRAG 20 MOTORS**

M594-20 Drag 20 with superflux M592 magnets, treated M593 can, silver shunts, and high time .510 Koford drag 20 arm. Fully broken in and ready to win. \$112.50 ea.

M595-20 Double ball bearing Drag 20 with superflux M592 magnets, treated M593 can, silver shunts, and high time .510 Koford drag 20 arm. Fully broken in and ready to win. \$139.84 ea.

M525-20 Drag 20 motor with famous Koford Tri-Star Drag 20 arm (.518) and C can set up using the new M524 drag can and single piece magnets. Fully broken in and ready to win. \$82.22 ea.

## **DRAG 12 MOTORS**

M594-12 Drag 12 with superflux M592 magnets, treated M593 can, silver shunts, and high time .510 Koford drag 12 arm. Fully broken in and ready to win. \$105.18 ea.

M525-12 Drag 12 motor with Koford Tri-Star 12 arm and C can set up using the new M524 drag can and single piece magnets. Fully broken in and ready to win. \$67.55 ea.

M550-12 Double ball bearing Drag 12 with silver shunts, Koford radially oriented drag magnets, and high time .510 Koford drag 12 arm. Fully broken in and ready to win. \$127.60 ea.

## **HAWK MOTORS**

**NEW!** M721 Hawk 19 Drag motor with Sintered Neo mags and 48° arm. Sintered Neo magnets increase gauss by 10% for more power. \$70.95 ea.

M653 Hawk 19 Drag motor with bonded Neo magnets and 40° arm. G19 is the same as a 20 but on a short stack to fit the Hawk motor. \$66.12 ea.

M712 JK Hawk motor with with bonded Neo magnets and Koford 12 arm, Super Big Foot 2 brushes and silver conductive springs. \$64.73 ea.

M646 JK Hawk ceramic magnet motor with Koford re-

placement arm, Super Big Foot 2 brushes and silver conductive springs. \$56.32 ea.

M647 JK Hawk ceramic magnet motor with Koford 12 arm, Super Big Foot 2 brushes and silver conductive springs. \$63.82 ea.

## **G7 CANS**

M471B .480 tall ultra precision, ultra straight, super strong, fully CNC machined, windowed, open/G27 can, with .630 ID. Plated for maximum solder and epoxy bond strength and no rusting. \$44.37 ea.

**NEW!** M735 .465 tall Lightweight OD ground G7 Light CNC can with .015 wall and .620 magnet ID. Use with M287-TA or M287-O endbell. \$59.00 ea.

M471I .480 tall Lightweight OD ground G7 Light CNC can with .015 wall and .630 magnet ID. \$54.37 ea.

M471K .450 tall lightweight OD ground G7 Light CNC can with .015 wall and .630 magnet ID. \$54.37 ea.

M471H .490 tall ultra precision, ultra straight, super strong, fully CNC machined, windowed, G7 can, with .630 ID. Plated for maximum solder and epoxy bond strength and no rusting. \$44.37 ea.

M471A .450 tall ultra precision, ultra straight, super strong, fully CNC machined, windowed, Qualifying/race G7 can with .630 ID. Plated for maximum solder and epoxy bond strength and no rusting. \$43.95 ea.

M555 .480 tall G7 Drag Billet can, with .630 ID, non windowed and designed for maximum flux path. Plated for maximum solder and epoxy bond strength and no rusting. \$42.98 ea.

## **27L CANS**

**NEW!** M731A .615 ID Lightweight but strong OD ground 27L CNC can with .012 wall. .418 tall for M277S2-440 magnets. For 485 or 490 arms. \$51.54 ea.

M471F .630 ID G27 Light CNC can. .418 tall for M277L-440 magnets. Plated for maximum solder and epoxy bond strength and no rusting. \$41.54 ea.

**NEW!** M471J Lightweight OD ground G27 Light CNC can with .012 wall. .418 tall for M277TR27L magnets. .5g lighter than M471F. \$51.54 ea.

## **C12 CANS**

**NEW!** M731B .615 ID Lightweight but strong OD ground C12 CNC can with .012 wall. .480 tall for M277S6-300 magnets. For 485 or 490 arms. \$51.54 ea.

**NEW! M726** .630 ID, .480 tall lightweight OD ground C12 can with .012 wall and .630 magnet ID. Used to win 2018 Nat's. \$50.95 ea.

**M521** Short 480 tall .630 ID ground CNC can for C12, fits .300 long magnets. Can is ultra precision, ultra strong, ultra straight. Plated for maximum solder and epoxy bond strength and no rusting. For .760 long arms. \$40.95 ea.

### **G27 CANS**

**M471E** Light weight scalloped .480 tall can for G27. Ultra precision, ultra straight, super strong, fully CNC machined, windowed, can, with .630 ID. Plated for maximum solder and epoxy bond strength and no rusting. \$48.45 ea.

### **EUROSPORT CANS**

**M715** .578 ID x .450 tall CNC Eurosport can for .300 stack arms. Plated for maximum solder and epoxy bond strength and no rusting. Use with M619M-E arms. \$42.35 ea.

**NEW! M728** OD ground version of the can above. .012 wall. \$52.35 ea.

**M702** Short 1/32ES .578 ID x .430 tall CNC can for .240 stack arms. Plated for maximum solder and epoxy bond strength and no rusting. Use with M619F-E or M255F-E arms. \$42.35 ea.

**NEW! M729** OD ground version of the can above. .012 wall. \$52.35 ea.

### **C CANS**

**NEW! M727** H12 and Scale can. Stronger harder steel than M528. Lower gauss than M528 is ideal for H12 and Scale motors. Fits .450 long magnets. \$9.59 ea.

**M528** Light weight C can for Box motors. Designed to produce maximum gauss in ultra light weight design, fits .450 long magnets. \$9.59 ea.

**M505** Super Feather G12 can stronger but heavier than the M528 can, similar gauss, fits .500 long magnets. Popular for Scale racing. \$9.59 ea.

**M593** Treated Drag C can. Special treatment increases flux 2% over the standard drag can. \$11.95 ea.

**M524** Drag C can with optimized design for more gauss than the competition. \$10.95 ea.

### **G15 CANS**

**M559** Lightweight, windowed .480 tall, precision CNC machined G15 can, uses M415 endbell. \$46.25 ea.

### **CERAMIC MAGNETS**

**M606** Matched 450 long x .150 thick C can magnets with new (stronger) orientation. \$13.50 pr.

**M607** Matched .450 long x .155 thick C can magnets with new (stronger) orientation. Especially recommended for H12 and OMB wing car racing with the M528 or M727 cans. The choice of top racers everywhere. \$13.50 pr.

**M604** Matched .500 long x .150 thick C can magnets with new (stronger) orientation. \$13.50 pr.

**M605** Matched .450 long x .150 thick C can magnets with original orientation. These magnets are recommended for scale racing. \$13.50 pr.

**M529** Matched 450 long x .155 thick C can magnets with original orientation. \$13.50 pr.

**M456** Matched .500 long x .150 thick C can magnets with original orientation. These magnets are recommended for scale cars especially with 8t 64p or 9t 72p pinions. \$13.50 pr.

**M592** Ultrastrong radial drag magnets, when used with M593 treated can produces 4% more flux than competitors wide can and .170 thick quad magnets without the problems of nonstandard size cans. .165 thick x .520 long \$29.95 pr.

**NEW! M701** 480 tall x 470 long x .167 thick high gauss radially oriented G15 magnets. Radial orientation produces a radial field like a 10 mag motor but the magnets are one piece for maximum durability and ease of installation. \$35.00 pr.

**M600** Improved 480 tall x 450 long x .167 thick high gauss radially oriented G15 magnets. Radial orientation produces a radial field like a multi magnet motor but the magnets are one piece for maximum durability and ease of installation. \$35.00 pr.

### **NEO C CAN DRAG MAGNETS**

**M596** Neo TG C can magnets. For .510 G7 arms. Massive horsepower! Screw in motor only, do not solder. \$49.95 pr.

### **COBALT MAGNETS G7/27/C12/EUROSPORT 440 LONG**

**NEW! M277S2-440** For M731A 615 ID 27L cans, .059 thick with stronger material. Suitable for .485 to .490 arms. \$74.98 pr.

M277TSR27L .061 thick with stronger material. G27L radial (R) magnets. Use with M471J OD ground cans. This combination saves .3 grams with no loss of magnet strength compared to using a regular can and regular radial magnets. Suitable for .495 to .500 arms. \$74.98 pr.

M277TR27L .061 thick G27L radial (R) magnets. Suitable for .495 to .500 arms. \$74.98 pr.

M277R27L440 .065 thick G27L radial (R) magnets. Suitable for .490 to .495 arms. \$74.98 pr.

### **400 LONG**

M277D6-88-400 drag cobalt magnet segment outers for .480 tall x .400 long x .088 six mags, \$77.98 set.

M277D6C-88-400 Drag 6 centers to make 480 tall x 400 long x .088 six mags. \$38.98 pr.

M277D6-95-400 drag cobalt magnet segment outers for .480 tall x .400 long x .095 six mags, \$82.98 set.

M277D6C-95-400 Drag 6 centers to make 480 tall x 400 long x .088 six mags. \$41.98 pr.

M277N-400 .032 tall x .400 long x .069 thick "Slivers". Center segments for making G27 twenty four magnet motors with M277O400 outers. Not magnetized. \$11.84 pr.

M277O-400 Outer segments for making .480 tall x .400 long x .069 thick G27 twenty magnet motors with M277S-400 slivers. \$35.52 (set of 4)

M277S-400 .042 tall x .400 long x .069 thick "Slivers". Center segments for making G27 480 tall twenty magnet motors with M277O400 outers, or 14 magnet motors with M277F8-400 outers. Not magnetized. \$12.05 pr.

M277D6-400 drag cobalt magnet segment outers for .480 tall x .400 long x .081 six mags, \$72.32 set.

M277D6C-400 Drag 6 centers to make 480 tall x 400 long x .081 six mags. \$36.16 pr.

M277TB6-400 Thin "Big Six" outer segments for G27. New Bifurcated tip design and near equal segment size design. Used with M277TBC6-400 to make 480 tall x 400 x .060 thick magnets. \$64.00 set of 4

M277TB6C-400 Thin "Big Six" center segments for G27. Use with M277TB6-400 to make 480 tall x 400 long x .060 thick magnets. \$32.00 pr.

M277B6-400 "Big Six" outer segments for opens or where a tight air gap is desired for G27. New Bifurcated tip design. Used with M277BC6-400 to make 480 tall x 400 x .071 thick magnets. \$67.00 set of 4

M277B6C-400 "Big Six" center segments for opens or where a tight air gap is desired for G27. Use with M277B6-400 to make 480 tall x 400 long x .071 thick magnets. \$34.00 pr.

M277TF400 Thinner outer magnet segments, .400 long for 8 & 10 mag G27 motors. Use M277TA400 for .480 tall 10 mags or M277C400 tall center segments for .480 tall 8 mags. \$58.99 set of 4.

M277F8400 .072 thick outer magnet segments, .400 long for 8 & 10 mag G7 motors. Use M277C400 tall center segments for .480 tall 8 mags or M277A400 for .480 tall 10 mags. \$60.99 set of 4.

M277FQ400 .400 tall x .400 long x .072 thick flat top quads, use with M277A400 for .450 tall 6 mags and M277C400 for .480 tall 6 mags. \$69.99 set.

M277TA400 Thinner center segments .400 long for 6, 8, and 10 mag G27 set ups. Thinner thickness reduces grinding. Adds .050 to magnet height. Not magnetized. \$20.95 pr.

M277A400 Regular center segments for .450 tall x 400 long 6, 8 or 10 mags G27 set ups. Not magnetized. \$20.95 pr.

M277C400 Tall center segments for .480 tall x .400 long 6 or 8 mag G27 set ups when used with M277FQ magnets. Not magnetized. \$24.50 pr.

M277Q-400 Angle tip 400 long x 400 tall x .071 thick quads. Use alone or mix and match for multi mag set ups. \$69.99 set.

### **380 LONG**

**NEW!** M277OOL-380 Small outer segments for making .450 tall x .380 long x .072 thick G7 multi mag motors. For .485 and .480 arms. \$36.27 (set of 4)

**NEW!** M277PPS-380 Ultra small outer segments for making .480 tall x .380 long x .072 thick G7 30-42 mag motors. For .485 and .480 arms. \$34.20 (set of 4)

M277PPL-380 Outer segments for making .450 tall x .380 long x .072 thick G7 motors with M277NN-380 slivers. For .485 and .480 arms. \$36.27 (set of 4)



**NEW! M277PPS-380** Ultra small outer segments for making .480 tall x .380 long x .072 thick G7 30-42 mag motors . For .485 and .480 arms. \$34.20 (set of 4)

M277PP-380 Outer segments for making .480 tall x .380 long x .072 thick G7 28 mag motors with M277NN-380 slivers. For .485 and .480 arms. \$36.27 (set of 4)

M277OO-380 Outer segments for making .480 tall x .380 long x .072 thick G7 20 mag motors with M277SS-380 slivers, or 24 mag motors with M277NN-380 slivers. For .485 and .480 arms. \$36.27 (set of 4)

M277SS-380 .042 tall x .380 long x .072 thick "Slivers". Center segments for making .480 tall G7 twenty magnet, or 510 tall 22 magnet motors with M277OO380 outers. Not magnetized. \$12.15 pr.

M277NN-380 .032 tall x .380 long x .072 thick "Nanos". Center segments for making .480 tall G7 24 and 28 magnet, or .510 26 or 30 magnet motors with M277OO380 or M277PP380 outers. Not magnetized. For .485 and .480 arms. \$12.04 pr.

M277P-380 Outer segments for making .480 tall x .380 long x .069 thick G7 28 mag motors for .490 arms using M277N-380 slivers. \$33.90 (set of 4)

M277N-380 .032 tall x .380 long x .069 thick "Nanos". Center segments for making .480 tall G7 twenty four magnet with M277O380 outers. Not magnetized. \$11.25 pr.

M277O-380 Outer segments for making .480 tall x .380 long x .069 thick G7 20 mag motors with M277S-380 slivers, or 24 mag motors with M277N-380 slivers. \$33.90 (set of 4)

M277S-380 .042 tall x .380 long x .069 thick "Slivers". Center segments for making .480 tall G7 twenty magnet, or 510 tall 22 magnet motors with M277O380 outers, or 14 magnet motors with M277F8-380 outers. Not magnetized. \$11.36 pr.

M277B6-380 "Big Six" outer segments. Bifurcated tip design and near equal segment size design. Use with M277BC6-380 to make 480 tall x .380 long 6 mag open set ups. .071 thick. \$64.00 set of 4

M277B6C "Big Six" center segments. Larger center segment. Use with M277B6-380 to make 480 tall x .380 long 6 mag open set ups. .071 thick. \$32.00 pr.

M277F8380 Outer magnet segments, .380 long for 8 & 10 mag G7 motors. Use M277A380 for .480 tall 10 mags

or M277C380 tall center segments for .480 tall 8 mags. .072 thick. \$59.99 set of 4.

M277FQ380 Outer segments for .380 long 6, 8, or 10 mag G7 motors. .072 thick. \$69.99 pr.

M277A380 Center segment for making .480 tall x .380 long x .072 thick 10 mag set ups using 3 pair with one set of M277F8-380. For .480 arms. Not magnetized. \$19.95 pr.

M277C380 Tall center segments for .480 tall x .380 long 6 or 8 mag set ups. Adds .080 to magnet height. .072 thick. Not magnetized. \$23.50 pr.

## **350 LONG**

**NEW! M277R10-350** Push-pull 10 mag kit for .450 tall x .350 long qualifying magnets for .480 arms. For M471K or M471A cans. \$103.50 set

M277F8-350 Outer segments for making .480 tall x .350 long x .072 thick 10 mag G7 qualifiers with 3 pr. of M277A-350. For .480 arms. \$54.99 (set of 4)

M277A350 Center segment for making .480 tall x .350 long x .072 thick 10 mag G7 qualifiers using 3 pair with one set of M277F8-350. For .480 arms. Not magnetized. \$18.50 pr.

M277PPL-350 Outer segments for making .450 tall x .350 long x .072 thick G7 motors with M277NN-380 slivers. For .485 and .480 arms. \$34.98 (set of 4)

M277PP-350 Outer segments for making .480 tall x .350 long x .072 thick G7 28 mag motors with M277NN-350 slivers. For .485 and .480 arms. \$34.98 (set of 4)

M277NN-350 .032 tall x .350 long x .072 thick "Nanos". Center segments for making .480 tall G7 24 and 28 magnet motors with M277OO350 or M277PP350 outers. Not magnetized. For .485 and .480 arms. \$10.99 pr.

M277FQ350 Thicker outer segments for .350 long 6,8,10 mag G7 or 6 mag C12 set ups. \$64.99 set

M277C350 Tall center segments for .480 tall x .350 long 6 or 8 mag G7/C12 set ups. Not magnetized. \$22.50 pr.

### **300 LONG**

**NEW!** M277S6-300 480 tall C12 .059 thick 6 mag kit to fit M731B .615 ID can. \$86.95 set

M277C6-300 480 tall C12 (push-pull) .064 thick 6 mag kit to fit M521 can. For 490 or larger arms \$86.95 set

M277E24-300 E24 24 mag (push-pull) kit for M715 small diameter can to fit .480 arms. .450 tall x .046 thick. \$180.00 set

M277EV-300 .027 x .046 center segments. Use to make .450 tall Eurosport 24 mags (1pr. M277EP300, 1pr. M277EO300, 10pr M277EV-300) for M715 small diameter can to fit .480 arms. \$14.85 pr.

M277EU-300 .025 tall x .046 x .300 center segments \$14.85 pr.

M277ESO-300 .120 tall outer segments to make .430 tall Eurosport 10 mags with approximately equal segments using M277ELC-300 centers and the M652 small diameter can to fit .480 arms. \$37.99 set of 4

M277ELC-300 .095 tall center segments to make .430 tall Eurosport 10 or 16 mags for M652 small diameter can to fit .480 arms. .046 thick. \$16.85 pr.

M277EP-300 .166 tall outer segments to make .430 tall Eurosport 10 mags using M277EA-300 centers and the M652 small diameter can to fit .480 arms. \$42.99 set of 4

M277EO-300 .083 tall outer segments to make .430 tall Eurosport 16 mags using 6 cards of EA300 centers for M652 small diameter can to fit .480 arms. \$28.45 set of 4

M277EA-300 .053 tall center segments to make .430 tall Eurosport 10 or 16 mags for M652 small diameter can to fit .480 arms. .046 thick. \$15.85 pr.

M277ET-300 .430 tall Eurosport singles for M652 small diameter can to fit .480 arms. \$52.00 pr.

M277ES-300 .430 tall Eurosport singles for M652 small diameter can for .456 arms. \$53.00 pr.

M277EQ-300 .430 tall Eurosport quads for M652 small diameter can for .456 arms. \$60.00 set of 4

M277B6-300 Big Six Eurosport outer segments for .480 tall x .300 long x .071 thick magnets to fit M521 can for 480 arms. Bifurcated tip. \$57.00 set of 4

M277B6C-300 Big Six Eurosport center segments for

.480 tall x .300 long x .071 thick magnets to fit M521 can for 480 arms. \$29.50 set of 2

M277TB6-300 Big Six C12 outer segments for .480 tall x .300 long x .063 thick magnets to fit M521 can for 490 or larger arms. Bifurcated tip. 2009 Nat's winner. \$57.00 set of 4

M277TB6C-300 Big Six C12 center segments for .480 tall x .300 long x .063 thick magnets to fit M521 can for 490 arms. 2009 Nat's winner. \$29.50 set of 2

M277RQ300 .070 thick .480 tall quads for Eurosport set ups to fit M521 can. \$65.99 set of 4

M277TF300 .063 thick outer segments .300 long for .470 tall 10 mag C12 set ups using the M277TA300 center segments (3 per side). \$52.99 set of 4.

M277TA300 .063 thick center segments .300 long for 6, 8 and 10 mag C12/Eurosport set ups. Thinner thickness reduces grinding. Adds .050 to magnet height. \$17.00 pr.

M277FQ-300 .400 tall x .300 long Eurosport flat top quad magnets to fit the old M496 can. For .459 arms. \$62.99 ea.

M277A300 Center segment .300 long. For use with .300 long magnet FQ magnets for .450 tall 6 mag Eurosports. For .459 or .480 arms \$18.00 pr.

M277TQ-300 .480 tall x .300 long x .065 thick C12 quads to fit M521 can. Radius tip. \$59.95 set of 4

### **250 LONG**

M277E32-250 24 mag (push-pull) kit for M702 or M729 E32 can to fit .480 arms. .430 tall x .046 thick. \$158.00 set

M277EP-250 .166 tall outer segments to make .430 tall Eurosport 10 mags using M277EA-250 centers and the M652 small diameter can to fit .480 arms. \$39.98 set of 4

M277EA-250 .053 tall center segments to make .430 tall Eurosport 10 or 16 mags for M652 small diameter can to fit .480 arms. .046 thick. \$14.74 pr.

M277ET-250 .430 tall Eurosport singles for M652 small diameter can to fit .480 arms. \$49.00 pr.

M277ES-250 .430 tall Eurosport singles for M652 can for .456 arms. \$50.00 pr.

M277B6-250 Outer segments for .480 tall x .250 long x .071 thick Eurosport Six magnets. Use with M277T-B6C-250 centers in M521 CNC can with .480 arms. \$56.00 set of 4

M277B6C-250 Center segments for .480 tall x .250 long x .071 thick Eurosport magnets. Use with M277TB6-250 outer segments in M521 CNC can with .480 arms. \$29.00 set of 2

M277RQ250 .070 thick x .480 tall quads for Eurosport set ups to fit M521 can. \$59.41 set of 4

M277TT Eurosport .400 tall x .250 long singles. .060 thick for .480 arms. \$53.99 pr.

M277Q250 Eurosport angle top magnets .400 tall x .250 long x .071 thick for .459 or .480 arms. \$64.45 set

M277FQ250 Eurosport flat top quad magnets .400 tall x .250 long x .071 thick for .459 or .480 arms. \$64.45 set

M277A250 Center segment .250 long. For use with .250 long magnet FQ magnets for .450 tall 6 mag Eurosports. .071 thick for .459 or .480 arms \$18.00 ea.

## **EPOXY**

M345 High temperature epoxy magnet adhesive. Single component advanced structural adhesive especially formulated for gluing slot car magnets. Has superior impact strength and high temperature capabilities compared to commonly available magnet adhesives. Oven cure. \$3.98 ea.

M385 High temp. endbell epoxy. Optimized for use in endbells. Oven cure. \$3.98 ea.

## **COBALT MOTOR ENDBELLS ( 27L, C12) WING CAR)**

**NEW!** M732B Bare ultralight endbell for 615 ID cans. Four degree timing advance. Fits M632 ball bearings. \$24.98 ea.

**NEW!** M732K Ultralight endbell kit for 615 ID cans. Four degree timing advance. Fits M632 ball bearings. \$41.75 ea.

**NEW!** M732A Assembled ultralight endbells for 615 ID cans. Four degree timing advance. Fits M632 ball bearings. \$49.96 ea.

**NEW!** M742 Bare ultralight endbell for 615 ID cans. No hardware holes. Fits M632 ball bearings. \$24.98 ea.

M287Q-4 Four degree advanced timing lightweight G27L endbell. .630 ID. Fits M632 ball bearings. \$24.98 ea.

M287-HC-4 Assembled 4° advanced timing lightweight G27L endbell for .630 cans. Fits M632 ball bearings. \$50.50 ea.

M287-QC Completely assembled vertical hood aluminum endbell for .630 ID Drag motors and Open qualifiers. \$50.50 ea.

M287-Q Ultralight aluminum endbell to fit .630 ID cans. For use in 27L, C12 and G7 Qualifying. \$24.98 ea.

M287-HC Completely assembled horizontal hood aluminum endbell for Koford C12 & G27 motors. \$50.50 ea.

## **COBALT MOTOR ENDBELLS ( G7-TMO) WING CAR)**

M287-TA Long tower G7 endbell for capped comms. No face holes, side holes untapped. Fits regular or fat M637 ball bearing. \$24.98 ea.

M287-T Long tower endbell for capped comms. fits regular or fat M637 ball bearing. \$26.98 ea.

**NEW!** M287O-4 Four degree advanced timing G7-TMO endbell for non capped comms. Fits M629 ball bearings. \$24.98 ea.

M287-O Light alloy endbell, with maximum heatsinking capacity for open motors. Fits tall can set ups. \$22.44 ea.

M287-OC Completely assembled vertical hood aluminum endbell for Koford G7 motors. \$47.97 ea.

## **ALUMINUM HAWK ENDBELLS**

M287-AB Bare aluminum endbell to fit the Hawk set up. Fits Koford hardware. Use with M313 springs and M476 brushes. \$26.98 ea.

M287-AK Kit aluminum endbell to fit the Hawk set up. Includes hardware and BB. Use with M313 springs and M476 brushes. \$43.75 ea.

M287-AA Assembled aluminum endbell to fit the Hawk set up. Includes hardware and BB. Use with M313 springs and M476 brushes. \$50.75 ea.

## **COBALT MOTOR ENDBELLS (EURO)**

M287-E Aluminum Euro endbell to fit M715, M728, M702 and M729 Euro can and Koford arms. \$23.98 ea.

M287-EC Complete aluminum Euro endbell to fit M715, M728, M702 and M729 Euro can and Koford arms. \$49.50 ea.

M287-ECB Complete aluminum Euro endbell with Billet ball bearing to fit M715, M728, M702 and M729 Euro can and Koford arms. \$62.26 ea.

M287-L Long tower aluminum Euro endbell to fit M715 and M728 cans. For arms with caps. \$24.98 ea.

M287-LA Long tower aluminum Euro endbell with no face holes to fit M715 and M728 cans. Side holes are not tapped. For making advanced timing endbells for arms with caps. \$24.98 ea.

M287-LC Complete long tower aluminum Euro endbell to fit M715 and M728 Euro cans. For arms with caps. \$50.50 ea.

M287-LCB Complete long tower aluminum Euro endbell with Billet ball bearing to fit M715 and M728 Euro cans. For arms with caps. \$63.26 ea.

### **CERAMIC MOTOR ENDBELLS**

M705-B Bare G12 aluminum endbell. Use M478 hoods, M281 spring cups, M282 insulators, M632 or M185 ball bearing and M256 screws. \$26.98 ea.

M705-K G12 aluminum endbell kit with bb. \$43.75 ea.

M705-A Assembled G12 aluminum endbell with bb. \$50.75 ea.

M614 G12 endbell oilite kit with Gold plated horizontal hardware and brass spring cups for non shunted motors. Use with M609 conductive springs. \$15.09 ea.

M714 G12 endbell kit with ball bearing , Gold plated horizontal hardware and aluminum spring cups for shunted motors. \$23.35 ea.

M613 Blueprinted G12 oilite endbell with Gold plated horizontal hardware. Brass spring cups for non shunted motors. Hardware and screws epoxed in place and aligned with alignment bar. Hoods debured with diamond tool. Use with M609 conductive springs. \$19.39 ea.

M589 Assembled G12 endbell with ball bearing installed. \$34.66 ea.

M514 G12 oilite endbell kit with Gold plated horizontal hardware and aluminum spring cups for shunted motors. \$15.09 ea.

M506 Blueprinted G12 endbell with oilite and Gold plated horizontal hardware. Aluminum spring cups for shunted motors. Hardware and screws epoxed in place and aligned with alignment bar. Hoods debured with diamond tool \$19.40 ea.

M419 Bare endbell for all Koford C can motors. Comes with holes for M466 screws, fits M507 hardware. Use M509 bearing. \$4.89 ea.

M415 Bare G15 endbell. \$19.95 ea.

M568 Assembled aluminum G15 endbell. \$45.48 ea.

### **HOODS, & HEATSINKS**

M507 Gold plated aluminum, horizontal hardware for all Koford C can motors. \$10.98 set. (6 sets per card)

M502 Gold plated vertical hoods for open set ups. \$9.98 ea.(6 sets per card)

M478 Horizontal brush Gold plated aluminum hoods for all Koford Endbells. Gold plating offers the lowest possible contact resistance providing more power than "copper" hoods on non shunted motors like Box Stocks. These hoods are recommended for use on C12, and G27 motors. For G7 motors use M502 vertical hoods only. \$9.98 set(6 per cd.)

M381 Metal plates for ceramic magnet set ups, fits under M507 hood/bussbar. \$2.98 set(6 per cd.)

### **MISC. ENDBELL ITEMS**

M608 Brass spring cups for use with M609 conductive springs for non shunted C can motors. Brass has low contact resistance with conductive springs and reduces resistance due to reducing the length current has to travel in the conductive spring. \$1.29 pr. (12pr. cd.)

M267 Teflon® spring insulation, perfect fit on springs \$ .79 ea.(6 per cd.)

M268 Silver plated shunt wire \$1.48 ea.(6 per cd.)

M281 Self centering ultra light aluminum alloy spring cups for Koford set ups, easy open box of 24 \$1.29 pr.

M282 Insulator for aluminum endbell, box of 24. \$.98 ea.

M295 Heat transfer compound. Apply between brush and hood on motors to reduce comm temperatures and increase reliability. \$1.98 ea.

## **MOTOR SCREWS**

**M256** 0-80 aluminum endbell and can screws, anodized to resist corrosion, 1/3 the weight of steel. Use standard wheel wrench to tighten. Reduces stripping of endbell threads compared to steel screws. Easy open box of 24. \$ .78 ea.

**M466** Self tapping Box Stock can & endbell screws. 1/8" long for minimum weight and to provide can screw clearance on Feather set ups. Tighten with standard wheel wrench. box of 24. \$ .32 ea.

**M300** Thread retaining compound used to keep can screws from vibrating loose on aluminum endbells. Prevents endbell damage by allowing can screws to be tightened until only snug. \$3.96 ea.

## **MOTOR BRUSHES**

**M485** - S.B.F. II Horizontal brushes for 16D, Super 16D, Competitor, etc. The Worlds best motor brush, winner of countless World and National championships. These are the brushes which our M476 and M244 brushes are machined from. \$3.50 pr. 6 pr. per card

**M486** same as M485 but in 50 pr bulk pack. \$162.50 pk.

**M244** Brushes machined for vertical brush hoods with precision machined shunt slots. For G7 motors. \$3.99 pr.(6 pr. per cd.)

**M476** Brushes machined for C12, G27 , shortened and with precision ground shunt slot. \$3.99 pr. (6 pr. per cd.)

## **SPRINGS**

**M609** Conductive springs for non shunted C can motors. Silver plated high strength copper alloy. Reduces resistance between buss bars and brush for more power. Use with M608 brass spring cups for lowest resistance. \$2.29 pr. (6 per cd.)

**M313** Standard springs for all Koford motors. Spring material withstands 800°F. \$1.98 pr.(6 per cd.)

**M276** Heavy tension for G7 motors. \$1.98 pr.(6 pr. per cd.)

## **MOTOR BEARINGS**

**M632** Crown retainer 5mm can and endbell ball bearings for all classes. \$9.24 ea.

**M629** Long life, ultra high performance 5mm can and endbell ball bearing. Manufactured by Koford Engineering in the USA. Machined billet bearing retainer to eliminate bearing failure and increase life. Retainer is made from self lubricating material so bearing lubrication is not critical. Endbell hole must be enlarged to .175 to clear retainer. \$22.00 ea.

**M637** Wide width "fat" 5mm precision motor bearings. \$14.99 ea.

**M538** Flanged 5mm precision ball bearings for C can endbells \$15.50 ea.

**M185R** GRW ribbon retainer 5mm can and endbell ball bearing, has extra low play for better motor performance, and ribbon retainer for long life and the minimum possible vibration. \$14.40 ea.

**M509** 5MM flanged oilites. \$.98 ea. (6 sets per card)

## **MOTOR BUILDING TOOLS**

**NEW! M724S** Soft magnet cleaning putty. \$3.99 ea.

**M406** Diamond ID Grinding Tool. For perfectly sizing your magnet air gap concentric with the bearing centerline. Each size removes a maximum of .005 on the diameter. Available in .468, .470, .472, .480, .490, .492, .495, .500, .505, .510, .512, .518, .520, .525, .528, .530, .533, 534, .536, and .538 diameters. \$45.99 ea.

**M406C** Custom size "Gold" diamond ID grinding tool. Each size removes a maximum of .005 on the diameter. Made to order, specify diameter, allow 2 weeks lead time. \$49.00 ea.

**M676** Diamond hood grinding tool .235 diameter. To clearance hoods for large diameter caps. \$39.75 ea.

**NEW! M716** Diamond brush radius tool for fast break in. Available in .190, .195, .200, .205 diameter. \$38.95 ea.

**M188** Bearing installation tool, .464, .468, .472, .480, .490, .492, .495, .498, .500, .505, .510, .512, .518, .520, .525, .528, .530, .532, .533, .534, .536, .538 \$7.05 ea.

**M188C** Bearing assembly tool custom sizes. \$9.65 ea.

**M523** Eurosport bearing assembly tools. Short length just for Euro set ups. .482, .490, .492. \$8.50 ea.

**M523C** Custom size Eurosport bearing assembly tools. \$9.95 ea.

M270 .209 brush radius tool for fast break in. \$4.49 ea.

M148 Alignment bar with holes, provided with centering holes for both vertical and horizontal style brush hoods. The essential tool for motor assembly, used by motor builders world wide. \$3.39 ea.(6 per cd.)

### **ARMATURE SPACERS**

M265 .007 phosphor bronze spacers, Ultra precision fit on armature shaft to eliminate vibration due to loose fit, phosphor bronze is very hard but will not stick to magnets. 12 per bag. \$2.35 pk.(6 per cd.)

M266 .003 phosphor bronze spacers, 12 per bag. \$2.35pk.(6 per cd.)

M249 .007 aluminum arm spacers, 1/3 the weight of bronze, brass or steel. Use between bronze spacers so as to provide necessary support, 12 per bag. \$2.35 pk.(6 per cd.)

### **MISC. MOTOR ITEMS**

M602 Arm tube with cap. \$2.81 (card of 6)

M603 Motor boxes with 2 pc. of yellow foam \$5.71 (card of 6)

M573 Motor box labels \$1.19 set (6 sets per card)

### **RETREAD, REBALANCE & SERVICES**

We repair Koford power supplies and controllers. Contact the factory at mail@koford.com for details.

Retread tires. Minimum 25 pair. We will remove the old rubber and bond new rubber, grind and place in new tubes. Specify hardness grade. WX,WX+,WXX,WXXX. \$8.00 pr.

Armature recondition: We have the finest comm truer, custom designed and built by Koford, featuring ball slides and supporting the armature shaft 360° instead of using V blocks, to produce a much more precise and truly round commutator as well as a brand new balancer which is the most sensitive digital balancer in slot car racing. Our service has been used by countless Nat's winners, Top qualifiers, and used to set total lap and single lap World records. We are careful not to excessively drill your arms when balancing! Treat your armatures to the best. Our service includes cleaning, diamond true, ultra precision balancing, and fast service. Arms should be sent in padded envelope or box only. We accept credit card or PayPal payment and return shipments are by mail \$3.85 per package or UPS ground (no PO boxes) \$16.00

per package. The price for rebalance is \$4.50 per arm.

True comm only, for unbalanced arm racing classes. \$2.00 ea.

Retag Koford arms only. \$3.00 ea.

Grind stacks, .010" diameter reduction max.: specify diameter. After running on high power or if allowed to free rev or if broken in on excessive voltage open arms will grow in diameter due to centrifugal force and require grinding to the original diameter to maintain magnet clearance. \$1.00 ea.

Grind stacks, more than .010" diameter reduction: specify diameter. \$2.00 ea.

Engrave stacks after grinding. \$.50 ea.

Remagnetize magnets, All cobalts and ceramics. Send magnets in can only. Send in box only, not envelope to avoid crushing by the shipper. \$3.00 ea.

Gauss readings after remagnetizing magnets. \$2.00 ea. Extra shipping prices apply on all items for shipping outside the United States.

### **READY TO RUN 27 & DRAG CARS**

M462 Complete funny car with CNC billet can 6 mag drag motor and aluminum chassis. Ready to win out of the box but also easy to drive with great consistency off the line with the rugged Koford aluminum drag chassis. \$551.32 ea.

M352-27L Premium G27 light car with Nat's winning M610 chassis, CNC can, 27L magnets, and WX+ tires. \$535.43 ea.

M352-B Spray glue G27 car with EDM chassis and treated fish tires. \$615.00 ea.

M352-S G27 car with EDM chassis and tires for glue racing. \$615.00 ea.

### **RTR Hawk, 12 & 20 CARS**

**NEW!** M713 Hawk 12 car with Koford EDM spring steel chassis and M647 Hawk 12 motor. Features hardened solder on pinion, flatted axle, mag rim tires, etc. \$194.93 ea.

M457A Box Stock 12 car with the Koford spring steel chassis and the Nat's winning Gp12 motor with can BB. Koford quality and technology comes to RTR Box Stock cars. Features hardened solder on pinion, flatted axle, etc. \$217.37 ea.

M342-2 G20 RTR car. Koford spring steel chassis and high performance Pro components including high performance tires, can BB, precision 64 pitch polymer spur, ultralight rubber fronts, graphite guide, ultraflex silicone lead wire, ultra precision plated tool steel axle, and many other components of a high quality level not usually associated with ready to runs. \$223.44 ea.

### **EDM CHASSIS**

The Koford "Beuf Express" family of chassis are winners of countless World and National championships in every class. Competitors offer knockoffs of Koford chassis but the quality is not the same. Koford chassis provide a winning combination of speed, predictable behavior and durability. Our chassis are cut on our own wire EDM machine providing the best fit and accuracy of parts and the best strength. Koford has long been the leader and innovator in chassis technology. Our firsts include the modern perimeter chassis, interlocking back end, top brace, clip lead wire retainer, plated chassis, inboard rails, and the EDM aluminum chassis. All Koford EDM chassis are computer designed on our CAD system and produced on our own wire EDM machines for the ultimate in quality. Our aluminum chassis are made from the strongest aluminum alloy available and then are plated with a composite alloy plating which provides solderability and best contribution to structural strength possible (superior to the plating used on most other chassis).

### **G27 LIGHT CHASSIS**

**NEW! M709D TQ at the 2019 NASRA Nat's!** Beuf Express NarrowTek .050 steel chassis kit with center weight of only 7.41 grams. 3.850 long and .125" narrower than standard. \$111.00 ea.

**NEW! M709C** Ultralight design with center weight of only 8.54 grams. 3.850 long Beuf Express G27 light .050 steel chassis kit. \$93.70 ea.

M709B 3.850 Beuf Express QuadRail wide motor box G27 light .050 steel chassis kit. **TQ and fast race lap in Hillbilly Howl!** \$111.00 ea.

M709A 3.850 Beuf Express G27 light .050 steel chassis kit. **TQ HB Nat's.** \$93.70 ea.

M610S 4.120 long Beuf Express G27 light .050 steel chassis. \$141.27 ea.

M610T Kit version of M610S. \$92.70 ea.

M610W 3.950 wide motor box Beuf Express G27 light .050 steel chassis kit. \$93.70 ea.

M610Y 4.119 wide motor box Beuf Express G27 light .050 steel chassis kit. \$92.70 ea.

M610Z 4.550 Beuf Express G27 light .050 steel chassis kit for flatter tracks. \$92.70 ea.

M610U 4.120 hi bite assembled Beuf Express G27 light .050 steel chassis. \$141.27 ea.

M610V Kit version of above. \$92.70 ea.

M610X 4.000 wide motor box Beuf Express G27L chassis kit \$90.50 ea.

M610Q 4.100 assembled Beuf Express G27 light .050 steel chassis. \$141.27 ea.

M610R Kit version of above. **2017 World's winner**, 2014 Nat's winner and TQ. \$92.70 ea.

M610O 4.150 assembled Beuf Express G27 light .050 steel chassis. \$141.27 ea.

M610P Kit version of above. \$92.70 ea.

M610A Assembled Beuf Express G27 light .050 steel chassis. The Nat's winner. 4.300 guide lead. \$141.27 ea.

M610B Kit version of above. \$92.70 ea.

M610C Assembled Beuf Express G27 light with gear guard. \$141.27 ea.

M610D Kit version of M610C. \$92.70 ea.

M610E Assembled 4.250 Beuf Express G27 light .050 steel chassis. \$141.27 ea.

M610F Kit version of above. \$92.70 ea.

M610G Assembled LONG Beuf Express G27 light .050 steel chassis. 4.600 guide lead. \$141.27 ea.

M610H Kit version of M610G. \$92.70 ea.

M610I Assembled LONG Beuf Express G27 light with gear guard. 4.600 guide lead. \$141.27 ea.

M610J Kit version of above. \$92.70 ea.

### **G27/C12 CHASSIS**

**NEW! M720B** NarrowTek 3.850 long "Beuf Express" ultralight aluminum chassis kit with aluminum pillow blocks and motor brace. Center weight 4.10 grams. 2019 Nat's winner. \$154.00 ea.

**NEW! M720A Winner Hillbilly How!** 3.850 long "Beuf Express" ultralight aluminum chassis kit with aluminum pillow blocks and motor brace. \$154.00 ea.

M531K Assembled 4.100 long "Beuf Express" lightweight for superfast tracks. \$164.97

M531L Kit version of M531K. \$112.53 ea.

M531S Assembled 4.150 long Ultralight "Beuf Express" C12/G27 chassis. \$164.97 ea.

M531T Kit 4.150 long Ultralight "Beuf Express" C12/G27 chassis. \$112.53 ea.

M414W Assembled 4.284 long "Beuf Express" for high speed tracks. Multiple Nat's winner and WR setter in G27 and C12. \$160.17 ea.

M414X Kit version of the above. \$112.53 ea.

### **G7/2MO/OMO CHASSIS**

**NEW! M736C** 3.850 long "Beuf Express" .080 aluminum chassis kit with aluminum motor brace, aluminum pillow blocks and EDM aluminum body brace. \$199.00 ea.

**NEW! M736D** 3.850 long "Beuf Express" .080 aluminum chassis kit with steel motor brace, aluminum pillow blocks and EDM aluminum body brace. \$199.00 ea.

M736A 3.900 long "Beuf Express" .080 aluminum chassis kit with aluminum motor brace, aluminum pillow blocks and EDM aluminum body brace. \$199.00 ea.

M736B 3.900 long "Beuf Express" .080 aluminum chassis kit with steel motor brace, aluminum pillow blocks and EDM aluminum body brace. \$189.00 ea.

M531X 1&2 4'th of July race on 2018 Nat's track. 3.850 long "Beuf Express" aluminum chassis kit with steel brace and aluminum pillow blocks for G7/TMO/OMO/C12. \$144.00 ea.

M531W 3.850 long "Beuf Express" aluminum chassis kit with aluminum motor brace and aluminum pillow blocks for TMO/OMO/C12. \$154.00 ea.

M531Z wide motor box 3.925 long "Beuf Express" aluminum chassis kit with steel motor brace and aluminum pillow blocks for G7/TMO/OMO/C12. \$148.90 ea.

M531Y wide motor box 3.925 long "Beuf Express" aluminum chassis kit with aluminum motor brace and aluminum pillow blocks for TMO/OMO/C12 \$154.90 ea.

M531L 4.100 long "Beuf Express" aluminum chassis kit. 2016 World's OMO winner. \$112.53 ea.

M531Q 4.110 long, Beuf Express OMO chassis. Lightweight chassis for OMO racing on superfast highly banked tracks. Multiple Nat's winner. \$192.21 ea.

M531R 4.110 long. Kit version of the M531Q. \$134.90 ea.

M531V 4.110 long, Beuf Express wide motor box OMO chassis kit with aluminum pillow blocks and aluminum motor brace. \$154.90 ea.

M531U 4.110 long, Beuf Express wide motor box G7 chassis kit with steel motor brace and aluminum pillow blocks. \$144.90 ea.

M531O 4.150 long, Beuf Express Ultra Extra strong G7 chassis for superfast highly banked tracks. \$192.21 ea.

M531P 4.150 long. Kit version of the above, multiple Nat's winner winner. \$134.90 ea.

M531M 4.200 long, Beuf Express Ultra Extra strong G7 chassis for superfast highly banked tracks. \$192.21 ea.

M531N 4.200 long. Kit version of the M531M. 2013 Nat's winner. \$134.90 ea.

M531C 4.250 long, Beuf Express Ultra G7 chassis. Extra strong G7 chassis. Multiple Nat's winner, TQ and WR setter. \$192.21 ea.

M531D 4.250 long. Kit version of the M531C. \$134.90 ea.

M414U "Beuf Express Wide Rail Xtra" Extra strong chassis for flatter tracks. 4.409 long. \$186.62 ea.

M414V Kit version of the M414U. 4.409 long. \$130.97 ea.

### **Gp-12/Hill Billy/GroupF/OMB/SPEC CHASSIS**

**NEW! M530V** Narrow 3.995 long lightweight chassis without pans. Kit. \$56.39 ea.

**NEW! M530U** Narrow 3.995 long lightweight chassis without pans. Assembled. \$61.39 ea.

**NEW! M530R** 4.070 long lightweight chassis without pans. Kit. \$56.39 ea.

**NEW! M530Q** 4.070 long lightweight chassis without pans. Assembled. \$61.39 ea.

**NEW! M530T** 3.995 long lightweight chassis without pans. Kit. \$56.39 ea.



**NEW! M530S** 3.995 long lightweight chassis without pans. Assembled. \$61.39 ea.

**NEW! M530O** 4.120 long lightweight Box chassis without pans. Assembled. \$61.39 ea.

**NEW! M530P** 1'st place Hillbilly Nat's! 4.120 long, light weight Box chassis without pans. Kit. \$56.39 ea.

M530A Assembled ULTRA Beuf Express Gp-12 chassis. 4.490 long chassis designed for the latest high speed tracks. \$58.44 ea.

M530B Kit version of the 4.490 long ULTRA Beuf Express Gp12 chassis. \$51.80 ea.

M530C Assembled short version of the Nat's winning ULTRA Beuf Express Gp-12 chassis. 4.415 long chassis designed for the latest high speed tracks. \$58.44 ea.

M530D Kit version of the 4.415 long ULTRA Beuf Express Gp12 chassis Nat's winner. \$51.80 ea.

M530E Assembled ULTRA Beuf Express Gp-12 chassis with gear guard. 4.490 long chassis designed for the latest high speed tracks. \$58.44 ea.

M530F Kit version of the 4.490 long ULTRA Beuf Express Gp12 chassis with gear guard. \$51.80 ea.

M530G Assembled short length 4.415 long Beuf Express Ultra Gp12 chassis with gear guard \$58.44 ea.

M530H Kit, short 4.415 long Beuf Express Ultra Gp12 chassis with gear guard \$51.80 ea.

M513A Assembled Short Beuf Express Gp-12 chassis. 4.535 long. \$58.44 ea.

M513B Kit version of the Short Beuf Express Gp12 \$51.80 ea.

M500A Assembled Beuf Express Gp-12 chassis. 4.610 long, longer length and narrower rails provide more bite and make it easier to drive and better handling for tracks that are not highly banked or are bumpy. \$61.39 ea.

M501A Kit version of the Beuf Express Gp12 \$56.39 ea.

## **DRAG CHASSIS**

M433 Complete ultralight aluminum funny car drag chassis. Far stronger, more rigid, and consistently fast than other aluminum chassis. Includes wheelybar. \$122.99 ea.

M441 Aluminum funny car chassis in kit form including front tires and wheelybar tires. \$92.99 ea.

## **G15 CHASSIS**

M531I Ultra short Beuf Express G15 chassis in assembled form, ideal for very fast tracks. 4.250 guide lead. \$168.28 ea.

M531J Kit version of the Beuf Express G15 Ultra short chassis with 4.250 guide lead. \$114.78 ea.

M531G Short Beuf Express G15 Wedge chassis in assembled form, ideal for very fast tracks. 4.400 guide lead. \$168.28 ea.

M531H Short Kit version of the Beuf Express G15 Wedge chassis with 4.400 guide lead. \$114.78 ea.

M531E Beuf Express G15 Wedge chassis in assembled form, ideal for very fast tracks. 4.475 guide lead. \$168.28 ea.

M531F Kit version of the Beuf Express G15 Wedge chassis. 2012 Nat's winner. \$114.78 ea.

M414O The 2008/2007 Nat's winning Beuf Express G15 perimeter chassis in assembled form, 4.475 long \$155.51 ea.

M414P Kit version of the M414O Beuf Express G15 chassis. \$106.07 ea.

## **ALUMINUM PILLOW BLOCKS**

**NEW!** M397L Aluminum pillow block with body support. For .063 aluminum chassis with steel motor braces. \$19.98 pr.

**NEW!** M397K Aluminum pillow block. For .063 aluminum chassis with steel motor braces. \$17.90 pr.

**NEW!** M397J Aluminum pillow block with body support. For .063 aluminum chassis with aluminum motor braces. \$19.98 pr.

**NEW!** M711 Short aluminum pillow block with body support. For .063 aluminum chassis with aluminum motor braces. Reduces guide lead .050". \$19.98 pr.

## **STEEL PILLOW BLOCKS**

M397H .075 Short G27L pillow blocks with tail. EDM spring steel .035" for .050" thick chassis. \$11.42 pr.

**NEW!** M707 Steel G27L pillow block with body support. .050 short \$5.98 ea.

M397B EDM spring steel .035" thick pillow blocks with extended tail and top brace pocket. Fits .063 thick chassis. \$11.42 pr.

M397E Replacement Box Stock/G27L steel pillow blocks standard length. \$11.42 pr.

M397I Short steel pillow blocks with tail for aluminum chassis. Reduces guide lead .050". \$11.42 pr.

M397G Replacement steel Box Stock/G27L pillow block short length. Reduces guide lead .075". \$11.42 pr.

### **GEAR GUARD STEEL PILLOW BLOCKS**

M397C Gear guard EDM spring steel .035" thick pillow blocks with extended tail and top brace pocket. Fits Aluminum chassis (.063). \$6.98 ea.

M397D Replacement Box Stock/G27L Gear guard pillow block standard length. \$6.98 ea.

M397F Replacement Box Stock/G27L Gear guard pillow block short length. Reduces guide lead .075". \$6.98 ea.

### **STEEL MOTOR BRACES**

M305 Steel narrow motor box brace for G7/27. \$9.33 ea.

**NEW!** M710 Steel G27L narrow motor box brace for M709A chassis. \$9.99 ea.

**NEW!** M706 Steel wide motor box brace for chassis with aluminum pillow blocks. \$10.95 ea.

M482 Steel C12 motor brace. \$9.33 ea.

### **ALUMINUM MOTOR BRACES**

**NEW!** M725 Aluminum wide motor box brace for chassis with aluminum pillow blocks. \$15.95 ea.

### **TOP BRACES**

M390 Top brace for narrow motor box aluminum chassis cars. \$5.23 ea.

### **OTHER CHASSIS COMPONENTS**

M520 Gp12 bottom weight for Beuf Express chassis \$6.98 ea.

M536 Machined brass retainers with flange (eyelets) for .063 tubing 24 pieces in an easy open box. Often used on front mounts to raise the front pins. \$16 ea.

M394 Front bumper mounts, includes brass square and two retainers for .063 tubing. \$1.39 set(6 per cd.)

M324 Lead wire retainer. Prevents lead wire from drag-

ging on track, solders to middle rail. \$.49 ea.(6 per cd.)

M259 Precut spring temper stainless steel pin tubing, fits full width of car. \$1.25 ea.(6 per cd.)

M453 Precut brass pin tubes. Use for solid mount EDM chassis for the front mount or use for GTP/NASCAR chassis for pin tubes. 24 pieces in easy open box \$.35 ea.

M391 EDM angled aluminum front wheel mounts. Ultra light with maximum solder area! \$2.98 pr.

M303 Precut brass keepers for stainless pin tubing, 24 pieces in easy open box. \$.56 ea.

### **WING CAR 3/32 AXLE TIRES**

We have developed our own method of treating rubber which results in a denser, more durable tire, as well as one which removes all residual stresses preventing the warpage and out of round seen in other tires due to residual stresses. Koford tires unlike other tires are round and have a good surface finish out of the tube so that they can be run without truing and with little break in. We have worked to improve the process used to bond the rubber to the hub for the best possible durability. Koford tires are the winner of countless World and National championships in every class. Go with the best!

From the most bite to the least bite (harder) the rubber grades are F, TF, SSW, SW, WH, WX, WX+, WXX, WXX, Speed, WXXX. Also as the rim diameter is increased the bite is decreased.

Speed rubber is qualifying rubber for very stuck tracks. WH is the softest grade of wing Wonder rubber and is suitable for slick tracks and for Red lane on many tracks, WX (Wonder Extra Hard) is recommended for use on gutter lanes and less stuck conditions. WX+ is the most popular Wing car rubber and is the first choice under most conditions. WXX (Wonder Extra Extra Hard) and WXXX are rocks, they can be used in the middle lanes where there is heavy glue and rubber (big races), or cold temperatures. For tracks where the rules require a .500 rim, B or P hubs can be used.

### **"SPEC" TIRES**

#### **NEW! .680 HUB "SPEC" WING CAR TIRES**

M472-680S .680 diameter, drilled only, magnesium hub tires. Low cost tires for "spec" tire racing. Available in WXX rubber. C12 Nat's winner! \$17.00 pr.

#### **.650 HUB "SPEC" WING CAR TIRES**

M472-650S .650 diameter, drilled only, magnesium hub tires. Low cost tires for "spec" tire racing. Available in WH, WX, WX+, WXX, WXXX rubber. \$17.00 pr.

### **.615 HUB "SPEC" WING CAR TIRES**

M472-615 .615 diameter, drilled only, magnesium hub tires. Low cost tires for "spec" tire racing. Available in WH, WX, WX+, WXX, WXXX rubber. \$14.00 pr.

### **WAFFLED HUB TIRES**

M472-650 Nat's winning, ultralight and strong .650 diameter magnesium hub tires for group or OMO racing. Drilled, and waffled (38 holes). World record holder! Available in WX+, WXX, WXXX rubber. \$23.98 pr

### **.670 HUB WING CAR TIRES**

M472-670 Nat's winning, ultralight and strong .670 diameter magnesium hub tires for group racing. Drilled, and waffled (38 holes). Available in WX+, WX, WXX, WXXX rubber. \$23.98 pr.

### **.609 HUB WING CAR TIRES**

M472G7 Strong (.609) magnesium hub tires for G7 racing, or for group racing where more bite is needed, drilled, milled, and waffled (33 holes). Available in WH, WX, WX+, WXX, WXXX rubber. 2013 Nat's winner. \$22.98 pr

### **.655 HUB WING CAR TIRES**

M472C Composite hub tires for Group Racing. Available in WH, WX, WX+, WXX, rubber. \$23.49 pr

### **.600 HUB WING CAR QUALIFYING TIRES**

**NEW!** M472Q Full width Wonder Rubber, full hub G7 and G27 .760 qualifiers. Ultralight drilled, waffled (38 holes) and milled. WH, WX rubber. \$20.89 pr.

### **.500 HUB WING CAR QUALIFYING TIRES**

M472E Full width hub G7 and G27 .760 qualifiers. Ultralight drilled (30 holes), waffled and milled magnesium rims. SX and WH rubber \$20.89 pr.

### **.500 HUB WING CAR TIRES**

M472B Drilled (24 holes), waffled and milled hubs. .760 x 3/32. Available in WH, WX, WX+, WXX, WXXX, SW, SX rubber. \$16.50 pr.

### **PLAIN HUB WING CAR TIRES**

M472P Plain hub .500 dia. magnesium rims .760 x 3/32. Rim width rubber. Available in WH, WX, WX+, WXX, WXXX, SX rubber. \$12.00 pr.

M229-760SW Soft Wonder on .472 diameter magnesium rims. Full width rubber on rim width hub. \$11.50 pr.

M229-760WH Hard Wonder on .472 diameter magnesium rims. Full width rubber on rim width hub. \$11.50 pr.

M229-760WX Extra hard Wonder on .472 diameter magnesium rims. Rim width rubber on rim width hub. \$11.50 pr.

### **SET SCREWS**

M621 Gold billet machined set screws. \$.34 ea. (bag of 12)

### **3/32 AXLE RETRO AND SCALE FULL WIDTH RUBBER AND FULL WIDTH HUB WONDER RUBBER TIRES**

M640-812SW Full .480 diameter magnesium hub with Soft Wonder rubber tires 13/16 x 3/32. These tires are softer then the Wonder rubber tires offered by other manufactures. Ideal when the track is too loose for regular Wonder but Fish is too slow. \$12.50 pr.

M640-812SSW Full .480 diameter magnesium hub with Super Soft Wonder rubber tires 13/16 x 3/32. These tires are softer then our Soft Wonder tires and also the Wonder rubber tires offered by other manufactures. Ideal when the track is too loose for Soft Wonder but Fish is too slow. \$12.50 pr.

M640-812W Full .480 diameter magnesium hub with Wonder rubber tires 13/16 x 3/32. \$12.50 pr.

### **3/32 AXLE RETRO AND SCALE FULL WIDTH RUBBER AND RIM WIDTH HUB WONDER RUBBER TIRES**

**NEW!** M737-760SW Ultralight 760 x 3/32 tires with full width Soft Wonder rubber on rim width .615 diameter magnesium hubs. \$19.50 pr.

M671-13/16SSW 13/16 x 3/32 tires with full width Super Soft Wonder rubber and rim width .500 diameter magnesium hubs. For banked tracks. \$12.00 pr.

M671-13/16SW 13/16 x 3/32 tires with full width Soft Wonder rubber and rim width .500 diameter magnesium hubs. For banked tracks. \$12.00 pr.

### **3/32 AXLE RETRO AND SCALE RIM WIDTH RUBBER AND RIM WIDTH HUB WONDER RUBBER TIRES**

**NEW!** M472C-812-SW Retro tires with .655 crash resistant composite hubs and rim width Soft Wonder rubber. For banked tracks. Winner Retro Pro at the Checkpoint Cup. \$22.49 pr.

**NEW!** M656-13/16SSW 13/16 x 3/32 tires with rim width Super Soft Wonder rubber and rim width .500 diameter magnesium hubs. For banked tracks. \$12.00 pr.

M656-13/16SW 13/16 x 3/32 tires with rim width Soft Wonder rubber and rim width .500 diameter magnesium hubs. For banked tracks. \$12.00 pr.

M656-13/16WH 13/16 x 3/32 tires with rim width Wonder rubber and rim width .500 diameter magnesium hubs. For stuck banked tracks. \$12.00 pr.

M656-13/16WX 13/16 x 3/32 tires with rim width hard Wonder rubber and rim width .500 diameter magnesium hubs. For stuck banked tracks. \$12.00 pr.

### **3/32 AXLE RETRO AND SCALE WONDER RUBBER TIRES FULL WIDTH RUBBER AND RIM WIDTH HUB**

M229-812SSW .472 diameter magnesium hub with Super Soft Wonder rubber tires 13/16 x 3/32. Ideal when the track is too loose for standard Wonder, but Fish is too slow. \$12.00 pr.

M229-812SW .472 diameter magnesium hub with Soft Wonder rubber tires 13/16 x 3/32. Ideal when a hardness between standard Wonder and Super Soft Wonder is needed. \$12.00 pr.

### **3/32 AXLE FISH RUBBER TIRES FULL WIDTH RUBBER AND HUB**

Fish tires are suitable for most traction conditions with scale cars, treated fish are a little harder, last longer and frees up the car when rubber builds up on the track. Larger diameter hubs are looser and smaller diameter hubs are more hooked up.

M640-812TF Full .480 diameter magnesium hub with Treated Fish rubber Retro and Scale tires 13/16 x 3/32. \$11.50 pr.

M640-812F Full .480 diameter magnesium hub Fish tires 13/16 x 3/32. \$10.25 pr.

M662-760F Full .400 diameter magnesium hub with Fish rubber tires .760 x 3/32. \$10.25 pr.

M640-760TF Full .480 diameter magnesium hub with Treated Fish rubber tires .760 x 3/32. \$11.50 pr.

M640-790F Full .480 diameter magnesium hub Fish tires .790 x 3/32. \$10.25 pr.

M640-760F Full .480 diameter magnesium hub Fish tires .760 x 3/32. \$10.25 pr.

M472F-760TF Full .500 diameter hub waffled, drilled and

milled for the lightest possible weight. Treated (harder) fish rubber .760 x 3/32. \$20.89 pr.

M472F-725TF Treated (harder) fish rubber .725 full hub scale racing tires. .500 diameter waffled, drilled and milled for the lightest possible weight. \$20.89 ea.

M472F-725F Fish rubber .725 full hub scale racing tires. .500 diameter waffled, drilled and milled for the lightest possible weight. \$19.89 ea.

### **3/32 AXLE FISH RUBBER TIRES FULL WIDTH RUBBER AND RIM WIDTH HUB**

M229-760-3-TF .472 diameter magnesium hub treated fish tires. Slightly firmer with longer life than regular Fish tires. .760 x 3/32. \$9.99 pr.

M229-760SB .472 diameter magnesium hub Fish tires. .760 x 3/32. \$8.99 pr.

M229-730SB .472 diameter magnesium hub Fish tires. .730 x 3/32. \$8.99 pr.

### **3/32 AXLE FISH RUBBER TIRES RIM WIDTH RUBBER AND RIM WIDTH HUB**

M551-760F .760 x 3/32 rim width Fish rubber mounted on .432 OD plain hub. Ideal when less bite than full hub tires provide is needed. Good for lower horsepower classes. Economical. \$7.15 pr.

M551-790F .790 x 3/32 rim width Fish rubber mounted on .432 OD plain hub. Ideal when less bite than full hub tires provide is needed. Good for lower horsepower classes. Economical. \$7.15 pr.

### **TIRES FOR 1/8 AXLES FULL WIDTH RUBBER AND RIM WIDTH HUB**

M229-812SB 13/16 x 1/8 "Fish" rubber on .500 diameter magnesium hubs. \$8.99 pr.

M229-790SB .790 x 1/8 "Fish" rubber on .500 diameter magnesium hubs. \$8.99 pr.

M229-790-8-TF .790 X 1/8 treated (firmer) fish on .500 magnesium hubs. \$9.99 pr.

M229-850-8-TF .850 x 1/8 treated "Fish" rubber on .500 diameter magnesium hubs. \$9.99 pr.

M229-13/16-8-TF 13/16 x 1/8 treated "Fish" rubber on .500 diameter magnesium hubs. Treated tires are ideal for stickier track conditions where they provide longer tire life and better straightaway speed. \$9.99 pr.

## **1/8 AXLE SCR TIRES FULL WIDTH RUBBER AND RIM WIDTH HUB**

M229-7/8SW 7/8 x 1/8 Soft Wonder rubber on .500 diameter magnesium hubs. Faster than fish rubber. \$8.99 pr.

M229-7/8SSW 7/8 x 1/8 Super Soft Wonder rubber on .500 diameter magnesium hubs. Where more traction is needed then with SW rubber. \$8.99 pr.

M229-812-8SW 13/16 x 1/8 Soft Wonder rubber on .500 diameter magnesium hubs. Faster than fish rubber. \$8.99 pr.

## **FISH RUBBER DONUTS**

**NEW!** M678 Fish rubber donuts, .360ID x .950 OD. \$5.15 pr.

## **FRONT TIRES**

M234I The lightest front on the market. Made from high strength tear resistant rubber, will fit either our M391 EDM front wheel mounts or a straight pin. \$1.98 pr.(6 per cd.)

M234H High impact flexible crosslinked rubber is 1/3 the weight of aluminum but won't melt or corrode when soldering wheel mounts or keepers. Use with straight pin or .025 - .039 wire. \$1.98 pr.(6 per cd.)

## **DRAG TIRES (WHEELIE BAR)**

M655 Light weight magnesium 3/8 wheelie bar wheels with hole for .047 axle for reduced drag. Boss design for reduced wobble. wheelie bar wheels. \$3.49 pr.(6 per cd.)

## **TIRE TRACTION & BRAID JUICE**

M319 Heavy tire traction. The choice of the Pro's. \$3.40 ea.(box of 12)

M320 Medium tire traction. Ideal for G15 C12 and lower class cars which require a medium glue. \$3.40 ea.(box of 12)

M384 Light tire traction. \$3.40 ea.(box of 12)

M452 Drag Glue. Blow away the competition! The standard of excellence for drag racing! \$5.50 ea. ( box of 12).

M386 Braid juice. Non flammable and nontoxic. More cooling and lubricity than the others. \$2.49 ea. (box of 12)

## **SOLID AXLES**

M156F Premium 3/32 axles with precision ground gear and wheel flats. Flats keep your wheels on, and compensate for the weight of the set screw for perfect balance with Koford tires and gears. Because the flats do not extend to the end of the axle, your tire will stay on even

if the set screw loosens. Machined to the exact length required and rounded, no trimming required, ultra precision fit in bearings to eliminate chatter, the ultimate in straightness. New ultrahigh strength alloy has twice the strength of drill blank axles. Plated with ultrahard Rc72 coating for rust and wear resistance and then ground again for accuracy. The best money can buy! As used by Team Koford. \$5.99 ea.

M623F Unplated premium flatted axles. \$5.49 ea.

M623R 3/32 unplated premium axles, for those who wish to grind their own flats. \$2.49 ea. (6 per cd.)

M639 2mm ultraprecision premium plated axles for Eurosport made using ultrahigh strength steel and plated and ground. \$2.79 ea.

M418 1/8 axles with the famous Koford precision fit. The same straightness and size control which racers have long enjoyed with 3/32 axles now comes to 1/8 axles. \$1.49 ea. (6 per cd.)

## **LIGHTWEIGHT AXLES**

M697F EDM drilled and wire cut flatted .060 hole hollow qualifying/race axle. Lighter and 50% stronger than M445F. \$22.98 ea.

**NEW!** M697N 1/8" shorter EDM drilled and wire cut flatted .060 hole hollow race axle for NarrowTek chassis. \$27.98 ea.

**NEW!** M730 Tri flat light weight G7 race axle. \$22.29 ea.

M743 EDM drilled, 2mm .040 hole qualifying/race axle. premium plated axles for Eurosport made using ultrahigh strength steel and plated and ground. \$16.98 ea.

M445F EDM drilled, 3/32 flatted .040 hole qualifying/race axle. Axles have individual flats sized for perfect dynamic balance. Axles are super accurate and are plated and then ground for the ultimate in corrosion resistance. \$19.98 ea.

M339 Premium Qualifying 3/32 .066 hole hollow axle made from tubing. For those who wish to grind their own flats. \$3.98 ea.

M340 Same as M339 but with EDM'd flats. \$8.98 ea.

## **AXLE SPACERS**

**NEW!** M733 .060 long machined aluminum spacer for 3/32 axles. 6 per bag. \$1.98 pk.(6 per cd.)

M625 .100 long machined aluminum spacer for 3/32 axles. 6 per bag. \$2.16 pk.(6 per cd.)

M734 .160 long machined aluminum spacer for 3/32 axles. 6 per bag. \$2.29 pk.(6 per cd.)

M704 .010 thick Plastic axle spacer for wide motor box cars with 3/32 axles. A snug fit on the axle so that it doesn't fall off. Easy open box of 24. \$.35 ea.

M670 .005" X 1/8" stainless axle spacers. 12 per bag. \$2.25 pk. (6 per card)

M624 .024" X 3/32" stainless axle spacers. 12 per bag. \$2.38 pk. (6 per card)

M296 .010 thick 3/32 Phos Bronze axle spacers. Very hard but will not stick to magnets. 12 per bag. \$2.40 pk.(6 per cd.)

M411 1/8 axle spacers with the famous precision Koford fit made from .010 Phos Bronze. 12 per bag. \$2.08 pk.(6 per cd.)

M449 Plastic axle spacer for narrow motor box cars with 3/32 axles. A snug fit on the axle so that it doesn't fall off. Easy open box of 24. \$.69 ea.

M477 .020 thick precision fit stainless spacers for 1/8" axles. 12 per pk. \$2.25 pk.(6 per cd.)

## **AXLE BEARINGS**

M633 Shielded rear axle ball bearings. \$20.99 pr.

M217 Ultra Premium shielded rear axle ball bearings, ribbon retainer and ultra precise internal geometry for smooth rotation and the lowest drag. Highest quality steel and ribbon retainer for long life. \$34.60 pr.

M235 Narrow width, open, ultralight, rear axle ball bearings. \$18.25 pr.

M301 Ultra Premium narrow width, ultralight, open construction, rear axle ball bearings, ribbon retainer and ultra precise internal geometry for smooth rotation and the lowest drag. Highest quality steel and ribbon retainer for long life. \$36.67 pr.

M546 3/32" axle oilites. \$1.15 pr. (6 pr. per card)

## **POWER SUPPLIES & GRINDERS**

**NEW!** M325J Digital switching power supply for cool operation with motors which pull high current at low voltage such as G7 and drag motors. Low voltage break in reduces comm heat and arcing. Ideal for breaking in motors at 1-2 volts and 5 to 10 amps which would cause a M325H to overheat. With standard power supplies breaking in at low voltage makes the supply run hotter. The switching design of the M325J makes it run cooler as the voltage is turned down. Up to 12 volts and electronically current limited to 16 amps. Koford power supplies are the only slot car power supply that regulate the output voltage so that as a motor breaks in and the current decreases the output voltage does not change. Smaller size and higher current than competitors. Digital read out and fan. It is a compact 4" wide x 5-1/2" deep (not including cord), and is 3" tall. It weighs only 2 lb 14 oz. Excellent for power hungry accessories like tire truers and comm lathes. The new standard for slot power supplies! \$345.21 ea.

**NEW!** M325K 220 volt, 50 hz. Euro plug version of the M325J. \$357.50 ea.

M325H 12 volt regulated power supply with digital read out and fan. Suitable for use with group motors. Now with overtemperature protection. \$301.35 ea.

M574 Precision metal housed grinder for use with M325 power supply. The small size, light weight and precision toolless 3/32" collet make this tool a joy to use and easy to fit in your slot box. Use with M576 grinding wheels or other 3/32" tools. \$160.00 ea.

M575 Precision metal housed grinder and variable speed/reversible direction control to plug into standard 120v outlet. Use with M576 grinding wheels or other 3/32" tools. \$310.00 ea.

M413 Grinder/drill runs off of power supply. Unit is small and compact. \$51.54 ea.

M611 .209 dia. x .289 long diamond wheel to fit grinders. \$36.18 ea.

M612 .088 dia. x .211 long diamond wheel to fit grinders. \$16.61

M576 Diamond grinding wheel for M574/M575 grinder. This wheel is solid metal bonded diamond not plated. It will cut any material including Cobalt and Ceramic magnets and last for years. Will not break like aluminum oxide discs. \$72.85 ea.

M587 Rubber polishing wheel for M574/M575 grinder. Perfect for cleaning the inside of cans before gluing magnets. \$13.85 ea.

## **TOOLS**

M569 Tech check tool for wing cars. EDM'd from high grade aluminum and black anodized. \$9.98 ea.

M674 ISRA tech tool. EDM'd from high grade aluminum and black anodized. \$9.98 ea.

M360 Tall motor change block with cut outs for rear tires. Designed to allow the body to flip over to allow motor changes without removing the front body pins. \$17.24 ea.

M424 Flux brush. At last a flux brush which is the correct size for slot car racing and will hold up to the attack of acid flux. \$.89 ea.

M162 Precision gear and wheel wrench with reduced diameter for clearance with plastic gears. \$9.05 ea.

M163 Improved reduced diameter tips for the above wrench, also fits all standard handles. \$4.25 ea.

M634 Coil spring for aligning axle bearings \$.98 ea.(6 per card)

M572 .003 Side play adjusting tool for 3/32 axles. Allows you to quickly get the perfect side play every time. \$1.98 ea.(6 per card)

M388 .005 Side play adjusting tool for 3/32 and 1/8 axle cars. \$1.98 ea.(6 per cd.)

## **GUIDES, LEAD WIRE, BRAID, ETC.**

**NEW!** M717 Precut short braid with precision prebent clip. Short braid is faster then long braid and this braid is already precut to the right length! 12pr. box. \$.96 pr.

**NEW!** M718 Precut short braid with precision prebent clip. 100pr. \$.90 pr

M703 Guide tape. High temperature, low friction tape eliminates braid melting to guide. Apply under braid and on side of blade. Protects guide against wear. Just replace tape after each race instead of changing guide. Alternative to putting a screw in the guide when running on new tracks. \$34.36 ea.

M698 Cut down graphite guide with no threads and with lead wire slots. Same as M469 but without threads. \$2.93 ea. (6 per cd.)

M699 Graphite guide with no threads and with lead wire slots. Same as M273 without threads. \$1.52 ea.(6 per cd.)

M667 30 foot length of our World's and Nat's winning lightweight ultraflex lead wire. \$34.99 ea.

M660 long braid with precision prebent clip. 12pr. box. \$.99 pr.

M661 long braid with precision prebent clip. 100pr. \$.92 pr.

M648 Guide with nut and two Teflon® washers. \$2.88 ea. (6 per card)

M617 Cut down fully threaded guide with lead wire slots for integral guide tongue chassis. \$2.12 ea. (6 per card)

M616 Full height fully threaded guide with lead wire slots. \$2.42 ea. (6 per card)

M615 Brass guide nut. Extra 1 gram nose weight without adding lead. \$.98 ea. (6 per card)

M469 Cut down threaded graphite guide with lead wire slots for integral guide tongue chassis with the famous Koford precision fit. \$3.33 ea. (6 per cd.)

M483 20 guage race magnet wire. Heavier with lower resistance than qualifying magnet wire, but much lighter than regular lead wire. \$1.59 ea.(6 per cd.)

M273 Precision threaded graphite guide with lead wire slots. \$1.92 ea.(6 per cd.)

M302 Lightweight drilled, anodized aluminum guide nut. \$1.98 ea.(6 per cd.)

M430 Lightweight ultraflex 413 strand 18 guage lead wire with superthin wall insulation. Reduced insulation wall thickness results a 14% weight savings over competitors lead wire. Worlds and Nat's winner. With clips. \$1.69 set(6 per cd.)

M431 Three foot length of our 413 strand light weight ultraflex lead wire. \$3.68 ea.(6 per cd.)

M383 Ultralight qualifying lead wire made from 21 guage ML magnet wire. \$1.49 ea.(6 per cd.)

M321 .010 thick Phosphorous Bronze guide washer. Use to adjust guide height Will not deflect like stacked Teflon® washers. Packaged 6 per bag. \$1.87 pk. (6 per card)

M322 .005 Teflon® guide washer. Use to reduce friction between guide and chassis. Where guide height adjustments are required, use M321. Packaged 6 per bag. \$2.88 pk.(6 per cd.)

### **LANE STICKERS & PINS**

M557 Big bright sticky lane stickers. Won't fall off. 6 sheets of 8 colors per card. \$2.75 card.

M376 Big head pro body pins. Standard length. Custom made just for us, the best on the market. 48 pins per package. \$3.59 pk.(6 per cd.)

M545 Short length big head pro body pins. No trimming required! Won't stick past the end of the body mount tube and hang up lead wire or stick marshalls. Lighter weight than long pins. Custom made just for us, the best on the market. 48 pins per package. \$2.59 pk.(6 per cd.)

### **KOFORDEWEAR**

M204 Koford Engineering T shirt , specify S, M, L, or XL. \$15.70 ea., XXL \$18.50 ea., XXXL \$21.00 ea.

M362 Koford Engineering hat. \$10.00 ea.

M363 Koford Engineering apron. \$16.00 ea.

### **OIL**

M327 Premium BB oil. Ultra high temp. synthetic oil with special antiwear and corrosion inhibitor additives. Oil formulation is selected to have the least detrimental effect if excess gets on brushes. Treat your bearings to the best. \$7.90 ea.

### **CROWN GEARS 48 PITCH**

M671-27 Narrowed and lightened precision low wobble 27 tooth x 3/32 crown gears. Lightweight magnesium hub with precision bored axle hole. \$7.47 ea. (6 per cd.)

M671-28 Narrowed and lightened precision low wobble 28 tooth x 3/32 crown gears. Lightweight magnesium hub with precision bored axle hole. \$7.47 ea. (6 per cd.)

M669-28 precision low wobble 28 tooth x 1/8 crown gears. Lightweight magnesium hub with precision bored axle hole. \$7.47 ea. (6 per cd.)

### **PINIONS 48 PITCH**

M450-8 Eight tooth hardened and plated steel pinions. \$2.80 ea. (6 per cd.)

M450-9 Nine tooth hardened and plated steel pinions. \$2.80 ea. (6 per cd.)

### **72 PITCH SPURS (STRAIGHT)**

**NEW!** M541-42 Red Dot ultraprecision 42 tooth gears with magnesium hub. High accuracy. Our superstrength plastic material provides greater crash resistance and reduced wear compared to any competing product. \$10.95 ea.

M541-44S Red Dot ultraprecision 44 tooth gears with magnesium hub. High accuracy. Our superstrength plastic material provides greater crash resistance and reduced wear compared to any competing product. \$10.95 ea.

M541-43 Red Dot ultraprecision 43 tooth gears with magnesium hub. High accuracy. Our superstrength plastic material provides greater crash resistance and reduced wear compared to any competing product. \$10.95 ea.

M663-44 Drilled Red Dot 44 tooth gears. \$11.98 ea.

M663-43 Drilled Red Dot 43 tooth gears. \$11.98 ea.

M663-42 Drilled Red Dot 42 tooth gears. \$11.98 ea.

M358 Drilled gears. Available in 43T, 44T straight, and 44T 5 degree angled. \$7.50 ea.

M560 72 Pitch, straight polymer spur Stronger material than plastic gears from other manufactures. Wider face width further increases strength and improves motor angle. Magnesium gear hub. 43 and 44 tooth. \$6.50 ea.

### **72 PITCH SPURS (ANGLED)**

M541-44A Red Dot ultraprecision 44 tooth 16° angled gears with magnesium hub for Scale, G15 or G12 racing. Our most accurate spur with 4x better accuracy than competing gears. Our superstrength plastic material provides greater crash resistance and reduced wear compared to any competing product. For best results use with M657 pinion. \$11.95 ea.

M561-44 72 Pitch, 5 degree, 44 tooth angled polymer spur. World record lap holder G15, winner Midwest Nat's. Stronger material than plastic gears from other manufactures. Wider face width further increases strength and improves motor angle. Magnesium gear hub. \$6.50 ea.

### **64 PITCH SPURS**

**NEW!** M663-39 Drilled Red Dot 39 tooth gears. \$11.98 ea.



M663-38 Drilled Red Dot 38 tooth gears. \$11.98 ea.

M541-39 Nat's G7 winner! Red Dot ultraprecision 39 tooth gears with magnesium hub. The best accuracy, crash resistance, and double the wear life of other gears. For G7, G27, C12, Gp12 & G15 (Gp12 and G15 with angled pinion). \$10.95 ea.

M541-38 Red Dot ultraprecision 38 tooth gears with magnesium hub. The best accuracy, crash resistance, and double the wear life of other gears. \$10.95 ea.

M428 Selected M219 polymer spurs. Typically total composite error is 1/2 that of M219 gears. Greater tooth strength than 72 pitch gears. 37, 38 teeth. \$6.98 ea.

M429 Select drilled qualifying gears. 38 or 39 tooth \$8.07 ea.

M219 Light polymer alloy gears with hollow set screws for 3/32 axles. 37T, 38T, 39T \$3.98 ea.

M358 Drilled qualifying gears. Available in 37T, 38T, and 39T. \$4.98 ea.

## **72 PITCH PINIONS (STRAIGHT)**

M657 Black Diamond coated hardened 10 tooth straight pinion. Coating reduces friction and prevents solder flowing into teeth. \$7.75 ea.

M626-11S Black Diamond coated hardened 11 tooth straight pinion with boss. Coating reduces friction and prevents solder flowing into teeth. \$7.75 ea.

## **72 PITCH PINIONS (ANGLED)**

**NEW!** M722-10 Black Diamond coated hardened 10 tooth 5 degree angled pinion with boss. \$7.75 ea.

**NEW!** M722-11 Black Diamond coated hardened 11 tooth 5 degree angled pinion with boss. \$7.75 ea.

**NEW!** M723-11 Black Diamond coated hardened 11 tooth 3 degree angled pinion with boss. \$7.75 ea.

M556-10 hardened 10 tooth 5 degree angled pinion with boss to reduce solder flowing into teeth. Designed for use against plastic spurs. \$5.95 ea. (6 per card)

M556-11 hardened 11 tooth 5 degree angled pinion with boss to reduce solder flowing into teeth. Designed for use against plastic spurs. \$5.95 ea. (6 per card)

M553 hardened 11 tooth 3 degree angled pinion with boss to reduce solder flowing into teeth. Designed for use against plastic spurs. \$5.95 ea. (6 per card)

M677 Pinned 9T 3° angled Black Diamond coated pinions for G7 racing. Coating reduces friction and prevents solder from flowing into teeth. Use with M636 pinion wire. \$11.27 ea.

## **64 PITCH PINIONS (STRAIGHT)**

M515 Multiple Nat's winner. Pinned 8T Black Diamond coated pinions for G7 racing. Coating reduces friction and prevents solder from flowing into teeth. Use with M636 pinion wire. \$11.27 ea.

M636 Spring temper pinion wire for pinned pinions. \$1.98 ea.

M599-8 8 tooth 64 pitch stainless pinion with boss to help keep solder out of teeth. \$3.95 ea. (6 per card)

M599-9 9 tooth 64 pitch stainless pinion with boss to help keep solder out of teeth. \$3.95 ea. (6 per card)

M542 8 T Black Diamond coated pinion with boss for greater solder surface area for use with G7. Coating reduces friction and prevents solder from flowing into teeth. Use against plastic spurs only. \$9.10 ea.

M427 Selected M354 Black Diamond coated pinions. 9 or 10 teeth. Roll tested for lowest total composite error resulting in the least possible power loss and vibration. \$8.10 ea.

M354 Black Diamond coated precision hardened pinions. Hi Tech coating on teeth provides low friction and wear. Forget about the hassle of getting solder in the teeth. Solder will not stick to the coating and the coating will not rust. Bores are plated for better solderability. 9, 10, 11 & 12 tooth. \$5.41 ea.

M323 Precision plated and hardened pinions, available in 9, 10, 11, 12, 13, and 14 tooth. Plating eliminates rust and produces a stronger solder joint for less chance of spinning. Features exceptional concentricity providing smoother, more efficient mesh compared to other pinions. Use against plastic spurs only. \$3.75 ea. (6 per cd.)

M407 Ultra hard steel 64 pitch Red Diamond pinions for use with metal gears. Can also be used with plastic gears. Plated for solderability and coated so that solder will not flow into teeth when soldering. Available in 8, 9, & 10 tooth sizes. \$9.98 ea.

## **64 PITCH PINIONS ANGLED**

**M516** Pinned 8T 3° angled Black Diamond coated pinions for G7 racing. Coating reduces friction and prevents solder from flowing into teeth. Use with M636 pinion wire. \$11.27 ea.

**M627-10** 7° angled hardened 10 tooth pinion with boss to reduce solder flowing into teeth. \$5.80 ea. (6 per card)

**M631-9** 9° angled 9 tooth Black Diamond coated hardened pinion with boss. Coating reduces friction and prevents solder from flowing into teeth. Designed for use against plastic spurs. \$7.63 ea.

**M627-9** 9° angled hardened 9 tooth pinion with boss to reduce solder flowing into teeth. Designed for use against plastic spurs. \$5.95 ea. (6 per card)

**M543** 8 T, 3° angled Black Diamond coated pinion with boss for greater solder surface area for use with G7. Coating reduces friction and prevents solder from flowing into teeth. Angled pinion improves crash resistance by spreading impact force across the width of the spur. Use against plastic spurs only. \$8.98 ea.

**M544** 8 tooth 9° angled Black Diamond coated pinion for use with C can motors and G15. Coating reduces friction and prevents solder from flowing into teeth. \$5.29 ea.

**M491-8A** Black Diamond 3° Angled 8 tooth pinion. Coating reduces friction and prevents solder from flowing into teeth. \$5.29 ea.

**M492-8A** Select Black Diamond 3° angled 8 tooth pinion. Coating reduces friction and prevents solder from flowing into teeth. Roll tested for lowest total composite error resulting in the least possible power loss and vibration. \$7.98 ea.

## **BODIES & DRIVERS**

### **005 clear bodies**

**NEW!** **M214N-5 Winner 27L Hillbilly Howl!** NarrowTek (G27L, C12) 1/8" narrow with dimpled design with additional ribbing for stiffness. Fits NarrowTek 27L chassis. \$6.98 ea.

**NEW!** **M214L-5 NewPeugeot (G7, TMO, G27L) Winner TMO at SlotcarsRus 4'th of July race!** Based on the famed Peugeot design but with additional ribbing to prevent collapse with .005 material. \$6.98 ea.

**NEW!** **M214M-5 Aerotek (G27L, C12) Dimpled design with additional ribbing for stiffness. Winner at SlotcarsRus Hillbilly Howl in G27L and TMO, TQ in TMO and G7.** \$6.98 ea.

**M214J-5** Tesla (H12, OMB) Low drag design for C can motor cars. \$6.00 ea.

**M214I-5** Peugeot (G27L, G27, OMO) \$6.00 ea.

**M214K-5** Tesla with rib (G27L body) \$5.09 ea.

### **007 clear bodies**

**M214I-7** Peugeot (G7, OMO body, Nat's winner, Nat's TQ, world record holder) \$6.00 ea.

### **Additional items**

**M552** Stick on drivers \$1.89 ea. (8 per cd.)

**M166-2** RTR wing body as used on our RTR cars. Suitable for G12, G20, Hawk 12, OMB, Group F, and Wing Flexi cars with for 4.45 to 4.61 guide lead. \$21.99 ea.

**NEW!** **M166-5** RTR .005 Aerotek wing body with 5 x 5 air kit. Suitable for G27, C12, Hawk 12, OMB, Group F, cars with for 4.000 to 4.250 guide lead. \$36.64 ea.

## **AIRCONTROL & TAPE**

**NEW!** **M719** Koford yellow spoiler sticker. Pack of 6. \$3.00 pk.

**M203T5** Lastest Pro design air kit with true .005 sidedams and .005 spoiler. For shorter cars. \$2.98 set(6 per cd.).

**M203T7** Same as M203T5 but with .007 spoiler. \$2.98set(6 per cd.).

**M423-5** .005 spoiler \$ .50 ea. (6 per cd.)

**M423-7** .007 spoiler \$ .50 ea. (6 per cd.)

**M432** Superstrong double stick tape as used by Team Koford racers. Ultra light and strong. Enough material for years of racing. \$73.44 ea.

**M455** Super light weight strapping tape. Similar thickness to regular strapping tape but with ultralight polymer reinforcement instead of glass. 1/2 the weight of regular strapping tape. \$8.07 ea.

**M464** Highest strength glass strapping tape for body pin reinforcement. \$25.77 ea.

**NEW!** **M740** Diaplane. \$ .75 ea.(6 per card)

**NEW!** **M741** Air kit for longer cars with .004 sidedams and .005 spoiler. \$2.98 ea.(6 per card)

## **ELECTRONIC CONTROLLERS**

M700-14 Winner TMO at SlotcarsRus 4<sup>th</sup> of July race! Wing electronic pwm MOSFET controller with voltmeter, 14 feet of electronic choke, sensitivity, choke bypass, Pro variabrake with full off and "mush" button. Cool operating, smooth, light weight and compact with long flexible cord from power module to handle, ideal for traveling. Bracket to hang power module on side of track wall. Infinitely adjustable choke with 1/2 foot steps, get exactly the choke level you want. The 1-2 volt jump between the last band and full power that conventional controllers have has been eliminated, this results in better control near full power. Full on resistance with a MOSFET is about half that of a relay controller. 25 band switch block for precision control. New high impact handle. \$589.00 ea.

M700-45 Eurosport version of the M700-14 but with 45 feet of choke. \$589.00 ea.

M641 25 band electronic controller with self resetting circuit breakers on transistor and 5 ohm variabrake. Features sensitivity and brake adjustment, along with floating wiper button for smooth action. Primarily for scale racing but will handle any motor. For standard hook up tracks (White=12v, Red=ground) only. New high impact handle. \$188.98 ea.

M642 Same as above but with full power relay for maximum power. \$216.28 ea.

M583 Twenty five band electronic controller with linear response, full adjustability, relay and circuit breaker protected pro variabrake with full off position (essential for wing racing), fuse protected transistor, electrically isolated heat sink, and floating wiper button for smooth action. Will handle motors any motors including G7. For standard hook up tracks (White=12v, Red=ground) only. New high impact handle. \$280.00 ea.

## **RESISTOR CONTROLLERS**

M673D Drag controller with extra high impact handle. Copper switch block and unbreakable wire type external resistor will handle the power of any car. Smooth action and long life. Heavy wires and all soldered connections for low resistance. Floating wiper button. \$60.17 ea.

M673 External wire resistor controller with extra high impact handle for Hawk, D and C can motors. Durable with smooth trigger action and long life. External resistor keeps heat away from the hand. Heavy wires and all soldered connections for low resistance. Floating wiper button. 2,3,4, and 5 ohm. Works on any polarity track. \$68.33 ea.

M558 External wire resistor controller for Hawk, D and C can motors. Durable switch block with smooth trigger action and long life. External resistor keeps heat away from the hand. Heavy wires and all soldered connections for low resistance. Floating wiper button. 2,3 & 4 ohm. Works on any polarity track. \$56.09 ea.

M558D Drag controller. Copper switch block and unbreakable wire type external resistor will handle the power of any car. Smooth action and long life. Heavy wires and all soldered connections for low resistance. Floating wiper button. \$54.05 ea.

M570 Same as M673D but with full power relay and extra heavy 10 AWG wires to chips for maximum power. Extra high impact handle. \$100.66 ea.

M562 External wire resistor controller with circuit breaker protected variabrake and extra high impact handle for D and C can motor. Durable with smooth trigger action. External resistor keeps heat away from the hand. Heavy wires and all soldered connections for low resistance. Floating wiper button. 2, 3 & 4 ohm. \$103.97 ea.

M563 External 100 watt aluminum tube resistor controller with economy variabrake and self resetting circuit breaker. Extra high impact Koford handle. Heavy wires and all soldered connections for low resistance. Floating wiper button. Suitable for any class of car up to G27. 2&3 ohm \$162.95 ea.

M564 External 100 watt aluminum tube resistor controller with Pro variabrake and self resetting circuit breaker. Extra high impact handle. Heavy wires and all soldered connections for low resistance. Floating wiper button. Suitable for any class of car up to G7. 1.5,2&3 ohm \$189.00 ea.

M566-1.5 Pro controller with full power relay, 1.5Ω 100 watt aluminum tube resistor, Pro variabrake for G7 cars and below. Extra high impact handle. \$209.00 ea.

M566-1 Pro controller with full power relay, 1.0Ω 100w aluminum tube resistor, Pro variabrake for G27 cars and below. Extra high impact handle. \$209.00 ea.

## **CONTROLLER PARTS**

M484 Controller relay. Reduces full on resistance for more power. Suitable for all classes including G7. \$12.95 ea.

M258 10 guage controller wire. Perfect for using with relay to reduce resistance. Clear silicone insulation. \$8.98 ea.

M672 Controller handle from extra high impact material. \$15.99 set.

M271 Aluminum body Pro Variabrake with full off position and knob. Unit is full 3 ohm for superior control compared to 2 ohm units. The range between 2 ohms and 3 ohms is the most used range! Full off positions means variabrake can be turned all of the way off without unclipping brake wire. The full off position is essential for wing car racing. Aluminum body means no more breakage. Simply the best variabrake on the market! Must be used with M567 circuit breaker. \$34.11 ea.

M588 5Ω Econo variabrake with knob \$15.93 ea.

M567 Compact variabrake circuit breaker for all current Koford controllers and also M271 Pro variabrake. protects variabrake or brake wire on controller from incorrect hookup. Automatically resets when hookup is correct. \$2.49 ea.

M585 Transistor for M580/M581/M582/M583/M641/M642 controllers \$16.50 ea.

M643 Self resetting circuit breaker for controller transistors \$2.98 ea.

M463A Variabrake knob with set screw. Aluminum finish. \$1.49 ea.

M463B Variabrake knob with set screw. Black anodized finish with white indicator mark. \$2.49 ea.

M463C Control knob with set screw. Aluminum finish. Fits 1/4" shaft used for sensitivity switches, etc. \$1.49 ea.

M463D Control knob with set screw. Black anodized finish with white indicator mark. Fits 1/4" shaft used for sensitivity switches, etc. \$2.49 ea.

M272 100 watt unbreakable aluminum core external resistor. -1 One ohm, -2 Two ohm, -3 Three ohm. \$27.99 ea.

M176 Solid copper alligator clips (3). \$2.49 set(6 per cd.)

M571 Original Lexan® controller handle. \$9.99 set.

M368 Replacement resistor for M558/M673/M366/M367/M562/M570 controllers. Available in 1 (drag only), 2, 3, 4, & 5 ohm \$20.48 ea.

M368-VB Replacement resistor for M562 controller. Available in 2 and 3 ohm. Variabrake and circuit breaker not included. \$21.98 ea.

M371 Trigger spring for all Koford controllers. \$.70 ea. (6 per cd.)

M370 Trigger for all Koford controllers. \$5.25 ea.

M738 Wiper button for all Koford controllers. \$.98 ea. 6 per card.

M465 Old large variabrake circuit breaker. Do not use with M271 or M588 variabrakes. \$2.49 ea.

M675 Replacement controller fuse \$3.00 ea.

M373 Wiper arm for Koford controllers. \$.60 ea. (6 per cd.)

## **CHOKE**

M332 Choke with rotary switch, 18 gauge high temp. silicone resistance wire, laser engraved machined aluminum housing. \$161.00 ea.

## **SOLDER**

M618 High temperature silver solder. Melting point 598F. Ideal for soldering on pinions for G7 motors to prevent spinning. \$5.98 ea.

M333 Silver solder with flux core. 5% silver for 82% higher shear strength compared to regular silver solder. \$5.98 ea.

M444 Low temp silver solder for aluminum chassis and motor installation to chassis. \$5.98 ea.