

AC GEAR MOTORS

50 RPM AC MOTOR

Synchron# M945. 50RPM timing-type motor. 120 Vac, 60Hz, 8W. 47mm dia. x 24mm. Gear box is 59mm x 47mm oval x 19mm. 3.5mm (1/8") diameter shaft with brass gear attached. 7" pigtail leads.

CAT# ACM-93 \$5.00 each



24 VAC 4.1 RPM GEAR MOTOR

Airpax # S94-0200. 24VAC 60Hz, capacitor run, gear motor. 52.5mm diameter x 45mm. Shaft is 5.5mm diameter x 41mm long with a 9.5mm copper bushing on the lower 11mm of the shaft. Three tapped mounting holes in face of motor. Four 150mm pigtail leads.

Note: Motor specifies requirement of 10 uF capacitor. We don't currently have any in stock, but do have a 11uF, CAT# MPC-11. The capacitor is put in series with the windings, between one white lead and either the red or brown lead. Power is applied to the two unused leads.

CAT# ACM-200 \$6.50 each



LINEAR ACTUATOR FOR AUTO DOOR LOCK

12 Vdc motor-drive actuator for automotive door locks. Nylon plunger moves 0.75". Push or pull, depending on polarity. Includes mounting hardware and a 10" metal extension rod which fits through the hole in the end of the plunger. Overall dimensions of actuator assembly (retracted): 8.42" x 2.35" x 1.15". Rubber boot protects against moisture and dust. Pigtail leads.

CAT # DLA-1 \$5.50 each



GEARS & ROTATING PARTS

PLANETARY GEARHEAD, USED

Mates with Faulhaber 2342 and similar motors with four mounting holes on 26mm centers and an 11mm dia. mating gear with 18 teeth. Gearbox dimensions: 32mm x 32mm x 25mm. 6mm dia. shaft is 35mm long. Exact specs unknown. Final rotational speed was approximately 120RPM when used with Faulhaber 2342 motor at 12Vdc.

CAT# GH-2 \$3.75 each



GEAR ASSEMBLY

Made for a Kodak 35mm film scanner, this high-quality plastic gear train contains four gears. Three are identical dual gears with 36 and 10 teeth. The other has 18 and 22 teeth. The unit snaps together and apart. Overall dimensions: 63 x 34 x 26mm.

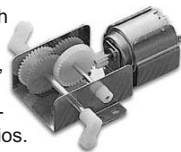
CAT# GR-131 \$2.25 each



GEARBOX 2 IN 1, MOTOR GEARS & ACCESSORIES

Velleman Kits # KNS7. Fun with gears and motors. Small 3 Vdc motor, metal bracket and axles, and an assortment of small plastic gears and collars to produce a gear train of various ratios.

CAT# GR-84 \$11.95 each



MATING GEARS

All gears in this section mate with one another

5 GEAR

ASSORTMENT

Five matched break-resistant plastic gears ranging from 0.44" dia. (10 teeth) to 2.02" (50 teeth).

Gears are molded with 0.15" (4mm) bores and come with inserts which reduce the bore to 0.065" (2mm) diameter.

CAT# GR-5 \$2.75 per set - includes 5 gears and 5 inserts • 10 sets for \$20.00



4 GEAR SET

Four matched unbreakable plastic gears. The three larger gears are beveled on one side and can mesh at 90° as well as the normal 180° angle. They have 5mm bores. Inserts are supplied to reduce the bore size to 3mm. The smallest gear has a 2mm bore. Gears are 41, 31, 21 and 13mm.

CAT# GR-86 \$2.25 each



2 GEAR SET

Two nylon gears:

26 cog.
1.08" diameter x 0.27" wide.
0.18" collar.
0.25" dia. bore.

34 cog.
1.41" diameter x 0.23" wide. 0.1" collar.
0.33" diameter flattened bore.

CAT# GR-109 \$1.75 per set



COMPOUND GEAR 21 & 14 COG

0.77" D x 0.46"
0.53" D x 0.28". 6mm bore.

CAT# GR-78 50¢ each



30 TOOTH NYLON GEAR

32mm diameter x 11mm wide. 8mm bore.

CAT # GR-126 75¢ each



38 TOOTH METAL GEAR

40mm diameter x 8.0mm wide. 8mm flattened bore.

CAT # GR-127
\$1.50 each



MINIATURE ROLLER CHAIN



Works with 1/4" pitch chain sprockets below.

CAT # CHN-25 \$ 2.50 per foot

MASTER LINK for # 25 roller chain

CAT # ML-25 \$1.00 each

23.5" ROLLER CHAIN W/ LINK

23.5" inch length of #25 roller chain. Mates with 1/4" pitch, #25 chain sprockets. Master link included.

CAT# CHN-23 \$5.00 each

SPROCKETS FOR #25 CHAIN

24 tooth, 2" diameter, metal sprocket.
13/32" (10mm) half-moon bore with 10mm collar.

CAT# GR-100 \$1.50 each



12 tooth nylon sprocket.
6.5mm flattened bore. 0.5" long collar.

CAT# GR-87 \$1.00 each



42 TOOTH ROLLER CHAIN SPROCKET

42 tooth sprocket for #25 roller chain. 3.5" diameter. Attaches to half-moon shaft.

CAT# GR-123 \$2.00 each



THRUST BEARINGS

39MM O.D.

Timken Torrington Needle Bearing # NTA-1625.
39mm O.D., 25.5mm I.D., 2.0mm thick.

CAT# BR-19 \$1.75 each



65MM DIAMETER

65mm o.d. x 50mm i.d. x 4mm. (2.58" x 1.97" x 0.15")

CAT# BR-20 \$1.50 each



31.5MM O.D.

31.5mm o.d. x 19.5mm i.d. x 2mm thick.
20 roller bearings in race with outer ring.

CAT# BR-18 \$1.00 each



3" O.D.

INA BEARING CO # FC66141.6
40 roller bearings in race with outer ring. Dimensions including outer ring: 3.03" O.D. x 2.2" I.D. x 0.16" high.

CAT# BR-9 \$ 1.50 each



1.27" O.D.

Eleven 0.25" diameter ball bearings. 1.27" O.D., 0.66" I.D.

CAT# BR-10 \$1.00 each



ALUMINUM ROLLER W/ BEARINGS



8" long x 1.05" diameter aluminum roller on a 9.75" x 0.375" diameter metal axle. Ball bearings at both ends, NMB # RI-1438D.

CAT# RW-7 \$4.95 each

MINI BEARING

11mm diameter x 15mm long roller assembly. 3.5mm diameter bore. Bearings at both ends. One end has a slightly raised and rolled 7mm diameter bushing.

CAT# BR-12 70¢ each



PLASTIC PROPELLERS

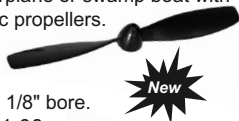
Make your own model airplane or swamp boat with these unbreakable plastic propellers.

7.25" BLACK

black plastic propeller.

0.75" cone in center with 1/8" bore.

CAT# PRP-1 2 for \$1.00



7" RED

1/16" bore.

CAT# PRP-2

3 for \$1.00



MINI AUDIO

MP3 PLAYER W/ MICRO SD CARD AND READER

Sansa slotMusic Player.

An inexpensive, easy-to-use MP3 player. Simply pop in a MicroSD card, plug in headphones or external amplifier into the standard 3.5mm stereo jack, and hit play. You can play, pause, skip through tracks and change volume using buttons on the device. Pocket-sized device with a durable feel. 36.3 x 72 x 15.3mm. Includes 1GB MicroSD card and MicroSD card reader, so you can load your own MP3 tracks via the USB port on a computer. Operates on one AAA battery (not included). Headphones not included.

CAT# MP3-1 \$8.95 each



MINI-STEREO AUDIO AMPLIFIER W/ SPEAKERS

Miniature 4W

(2 x 2W)

stereo

amplifier with

speakers and battery holder. 3.5mm stereo phone plug input connects to many portable audio sources, MP3s, iPods etc. The on-off switch and volume control are in a 34mm square module attached to the amplifier with a 29" flat cable. The speakers are 1.30" x 1.45" x 0.36" cone-less, flat-panel speakers with narrow bandwidth. The amplifier sounds much better with traditional 4 Ohm cone-type speakers. Operates on 4 AA batteries, not included.

CAT# AMP-5 ~~\$8.50~~ \$6.50 each



REDUCED PRICE!

AMPLIFIED STEREO MINI-SPEAKERS

Crisp, clear amplified sound for your iPod or portable music player.

Requires a bit of minor surgery. Cut off the proprietary Sony-Ericsson plug, and attach a 3.5mm stereo phone plug and a power source (batteries or power supply). Color-coded wires in control cable are easy to identify (see online spec sheet). Speaker dimensions: 2.1" high x 1.8" wide x 1.2" deep.

CAT# AMP-8 \$7.50 per pair

