



**PRO-LINK**

**GENESIS**

**RETRACTS**

**GENESIS 40 series:**

- Machined form solid 7075 aluminum, robust design including 2 ball bearing for long life, smooth running and low friction to increase the torque.
- Exclusive internal electronic circuit including 2 hall magnetic sensor to detect the endpoints to stop the motor when the end position is reached, saving wear to the mechanical components due at the suppression of the usual end of travel overload often seen in other systems.
- 4.5s of travel time. Torque of 22 Lbf/inch (25kg/cm). (Typical)
- For up to 36lb plane weight. (16kg)
- Available in 90°, normal or reverse operation
- Strut size of 1/2" and 8mm
- No steering/tiller steering/indirect/servo plate steering systems available
- 2S Lipo or 2s Life
- Controller includes the brake control and steering servo control
- Replaceable connection lead for ease maintenance and installation.



## Available sizes and options:

### Complete kits (3 gears):

Model	Retraction	Mains size	Nose size	Steering
Gen40N05NS	Normal	1/2"	1/2"	No
Gen40R05NS	Reverse	1/2"	1/2"	No
Gen40N8TST	Normal	8mm	8mm	Tiller
Gen40R8TST	Reverse	8mm	8mm	Tiller
Gen40N8EST	Normal	8mm	8mm	Indirect Steer
Gen40R8EST	Reverse	8mm	8mm	Indirect Steer
Gen40R8SST	Reverse	8mm	8mm	Servo plate

- Retraction is always 90°, other angles not available
- Normal and reverse could be mixed in same order (ex. Nose reverse, mains normal)
- Includes standard controller (Xicoy LG12). LG13 controller available, add the -13 suffix on the P/N.
- The kit includes 3 retracts, battery connector, controller and connection leads.

### Single parts:

#### Retracts:

Model	Retraction	Strut Size	Steering
RG40N05	Normal	Hole 1/2"	No
RG40R05	Reverse	Hole 1/2"	No
RG40N8	Normal	Hole 8mm	No
RG40R8	Reverse	Hole 8mm	No
RG40N8TS	Normal	Pin 8mm	Tiller
RG40R8TS	Reverse	Pin 8mm	Tiller
RG40N8ES	Normal	Pin 8mm	Indirect
RG40R8ES	Reverse	Pin 8mm	Indirect
Rg40R8SS	Reverse	Pin 8mm	Servo plate

#### Electronics:

Model	
LG12	Basic controller, includes brake control and steering centering
LG13	Includes sequencer and door control, programmable brake and steering functions. Need a Xicoy data terminal for proming
LG15	Advanced controller, includes color screen, gyro, differential brake, door control and BUS functions.

### Other items available:

Connection leads, 8mm steel pins, electric brakes, wheels, and struts, please check our website.

**Mains/No steering:**

Normal retraction. Available in 1/2" and 8mm.



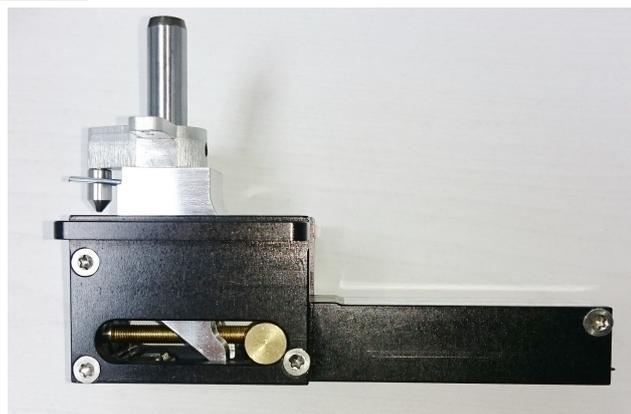
Reverse retraction.

Available in 1/2" and 8mm.

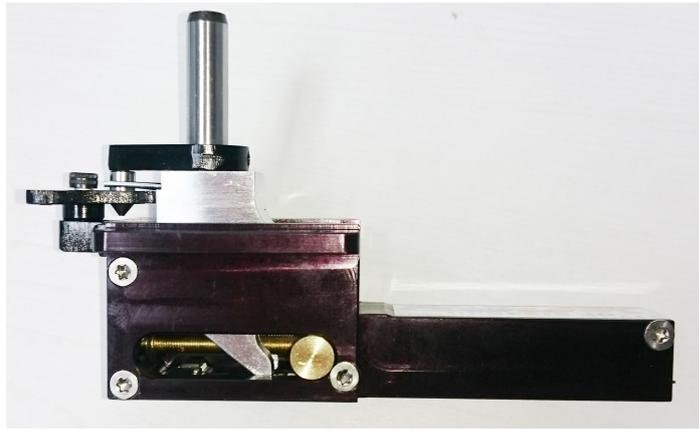


**Nose:**

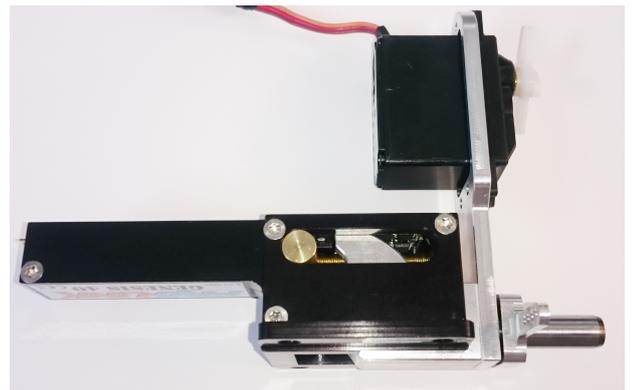
Tiller Steering. 8 m pin only.



**Indirect steering:**



**Servo Plate:**



## Setup Instructions:

### Battery:

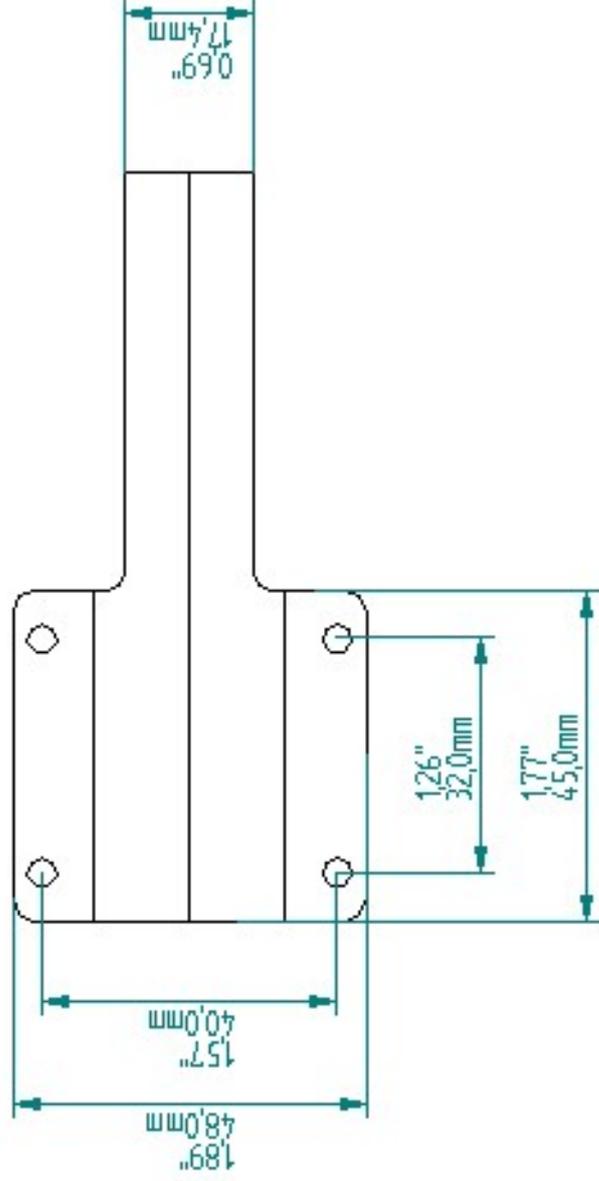
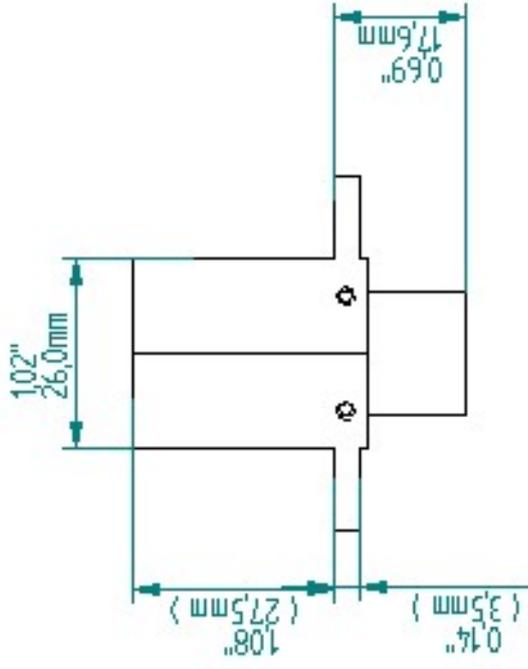
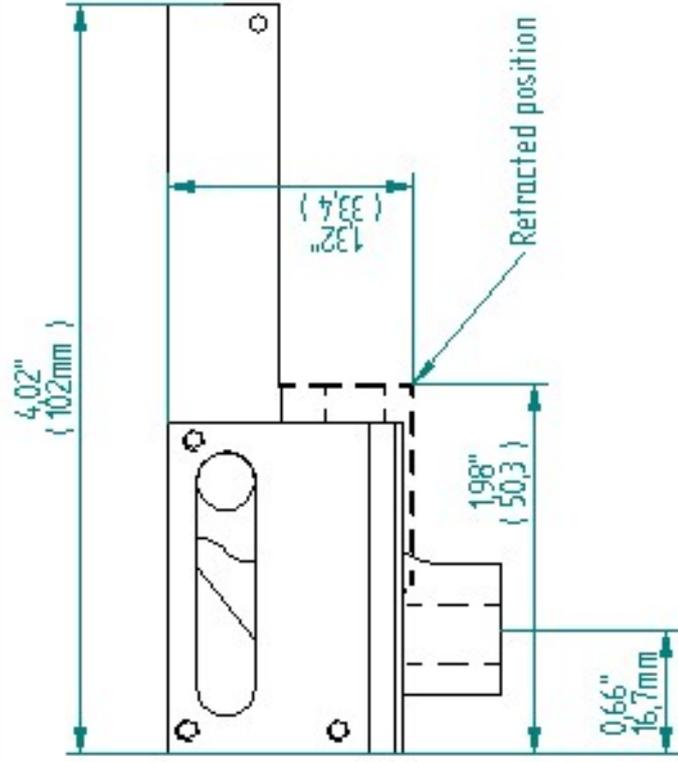
- Use 6,6V LiFe or 7,4V Lipo. Capable of 15A peak. App. 30mAh used per cycle.
- Disconnect main battery when not in use for some days (0.5mA used in OFF state)
- Compatible with HV receiver installations (up to 9V)
- Double check the polarity of the battery before connecting.

### Gears:

- Route the leads carefully, specially take care that the brake lead cannot become pinched when gear operates, a short circuit on the brake or gear lines will destroy the controller.
- Operate always the gears trough the controller; a direct battery connection will burn the motor in seconds.
- Check the proper clearance of the strut and wheel to the fuselage, to avoid it to be jammed.
- Keep the gear mechanism clean, if sand/dirt enters, blow it away with compressed air before operating the gear.
- It is not necessary to disassemble the retract to replace the steering pin, just unscrew it. In the case that the retract should be disassembled, take care in to reassemble all the parts in same position, especially the magnet on the slider. If incorrectly installed, the magnetic sensors will not detect the end points, overloading the motor and gearbox.
- If using a controller different to the one supplied, DO NOT set the cut-off current higher than 2A, this will cause permanent damage to the motors or gearbox.

### Programming the radio:

- Connect the 3 RC Channels to the appropriate sockets on the unit, including the steering servo and steering input. Brake command could be shared with the gear input.
- Leave the main battery disconnected to prevent accidental movement of motors.
- Power-up the receiver while keeping the button on the controller pressed.
- Release the button. The blue LED will blink once a time. Set the gear switch on the TX on "Gear-Up" position. Then click on the button to store the current command as Gear Up position. When the step done, the led will blink twice a time.
- Set the TX to "Gear Down" position. Click on the button, the LED will blink 3 times.
- Set Brake to minimum on the TX. Click on the button, the LED will blink 4 times.
- Set the Brake to maximum. Click on the button. The LED will blink 5 times.
- Check that the nose wheel is centered, click on the button to record the current servo position as the retracted steering position.
- Connect the main battery and check the correct movement of the gears. If you need to reverse the sense of operation of one of the gears, simply reverse the connection of this particular retract on the control box. Do not reverse the radio, brakes don't work in Gear Up position.
- For the advanced settings on LGC13 and LGC15 controllers, download the manual on our website.



# PRO-LINK

GENESIS-40N

Mains. Normal retraction

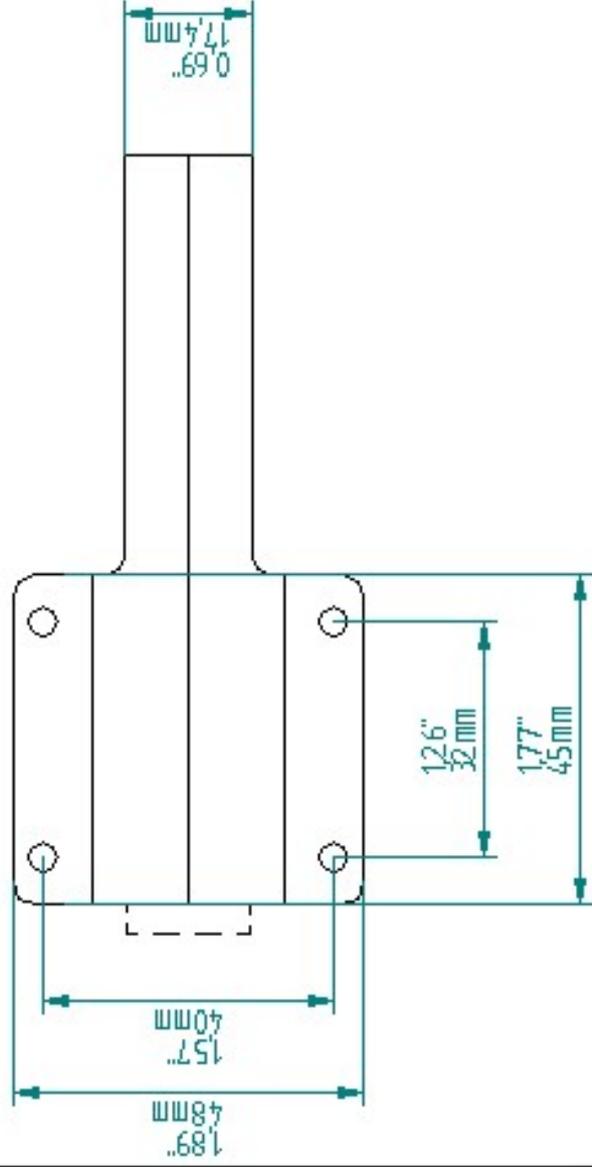
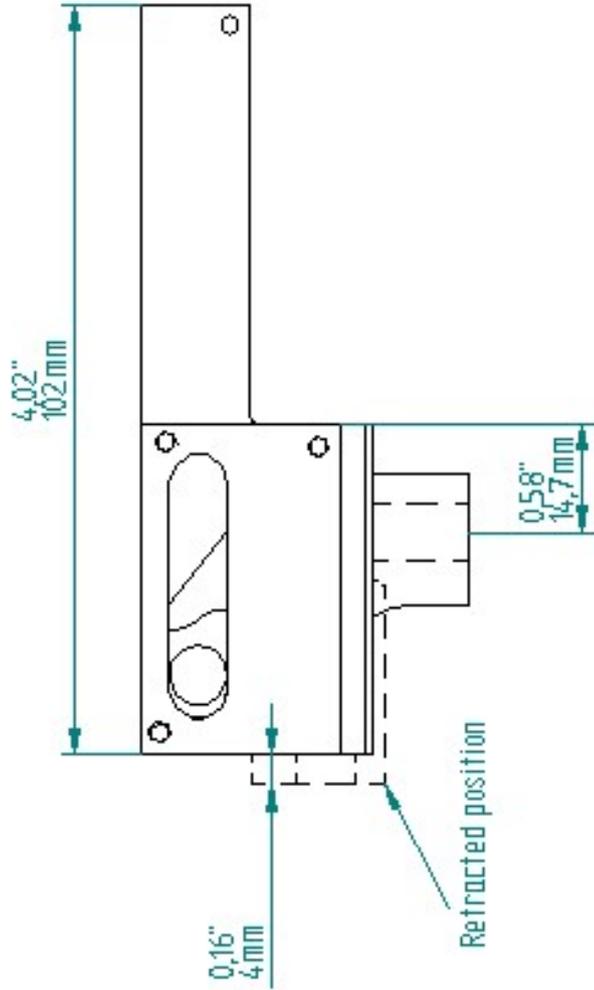
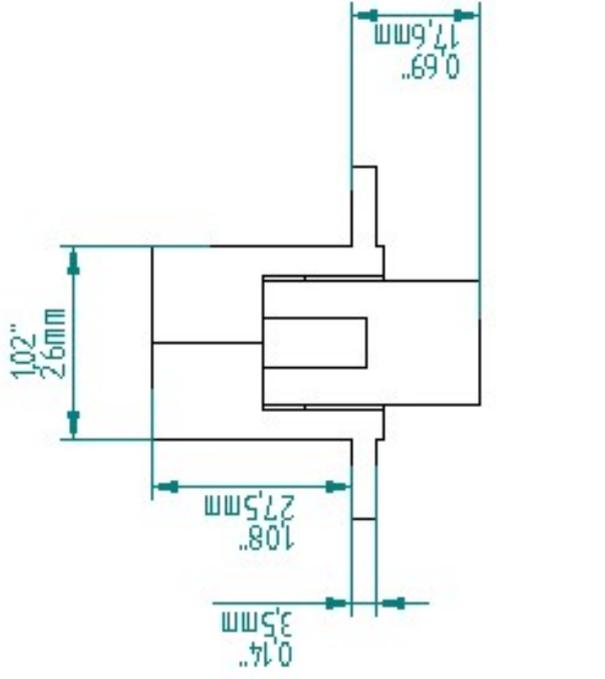
SHEET 1 OF 5 SCALE: 1:1

# PRO-LINK

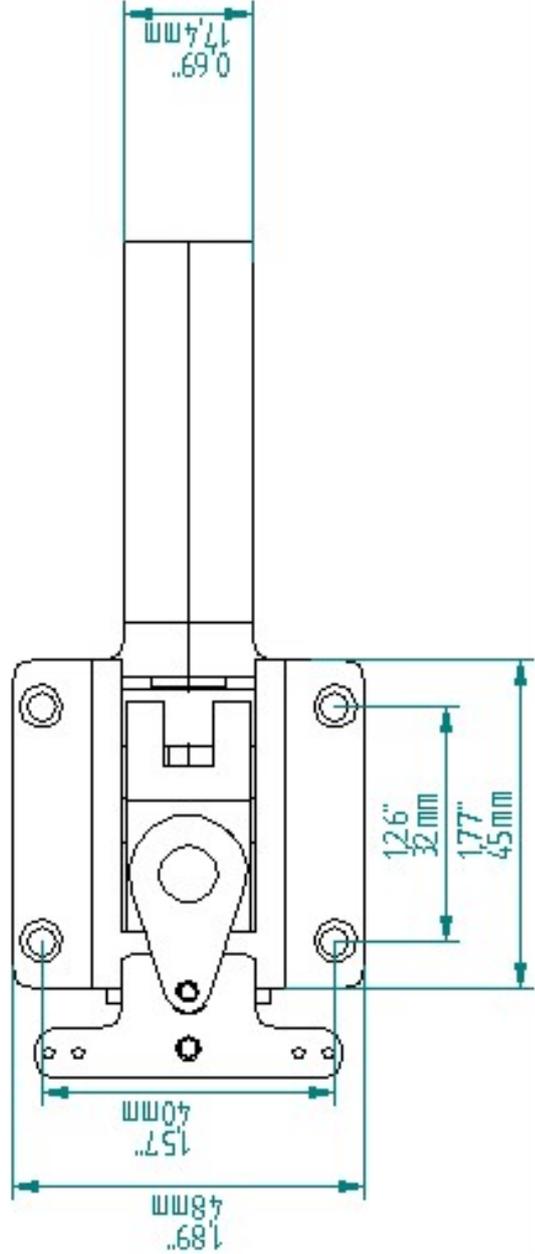
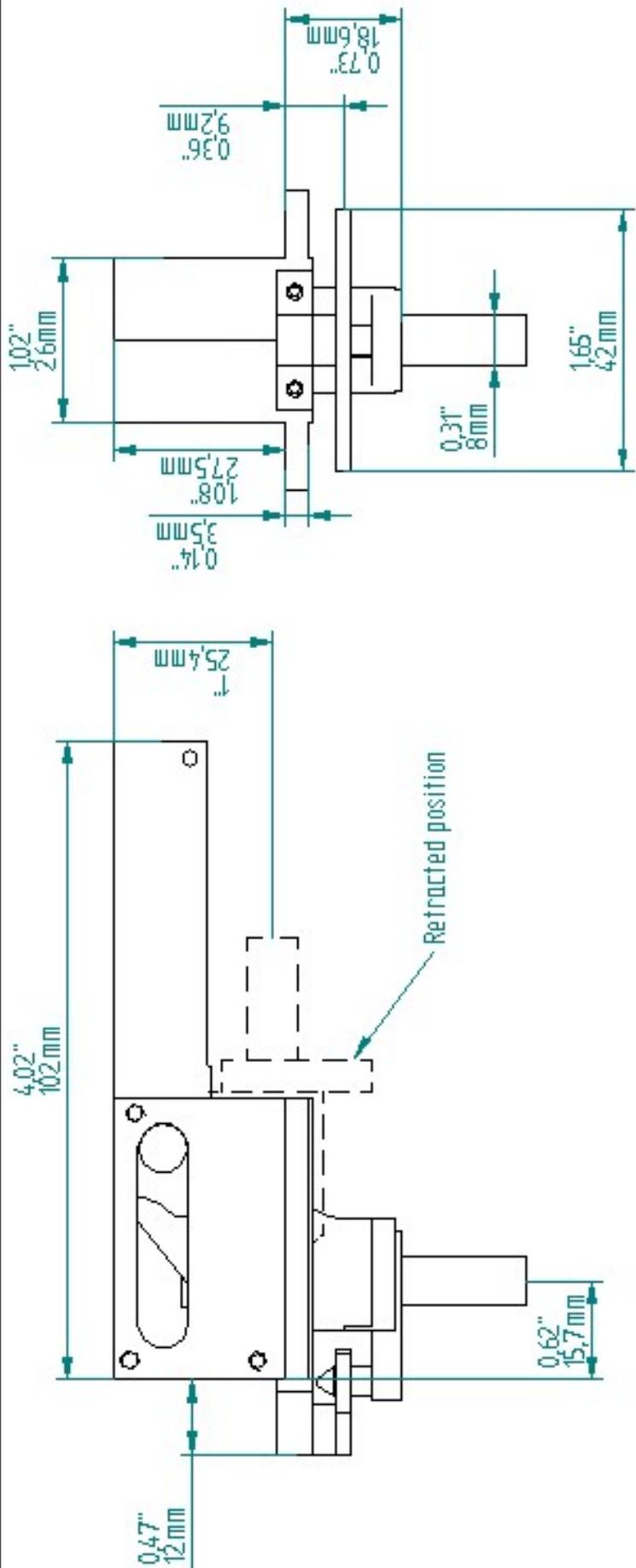
GENESIS-40R

Mains. Reverse retraction

SHEET 2 OF 5 SCALE: 1:1





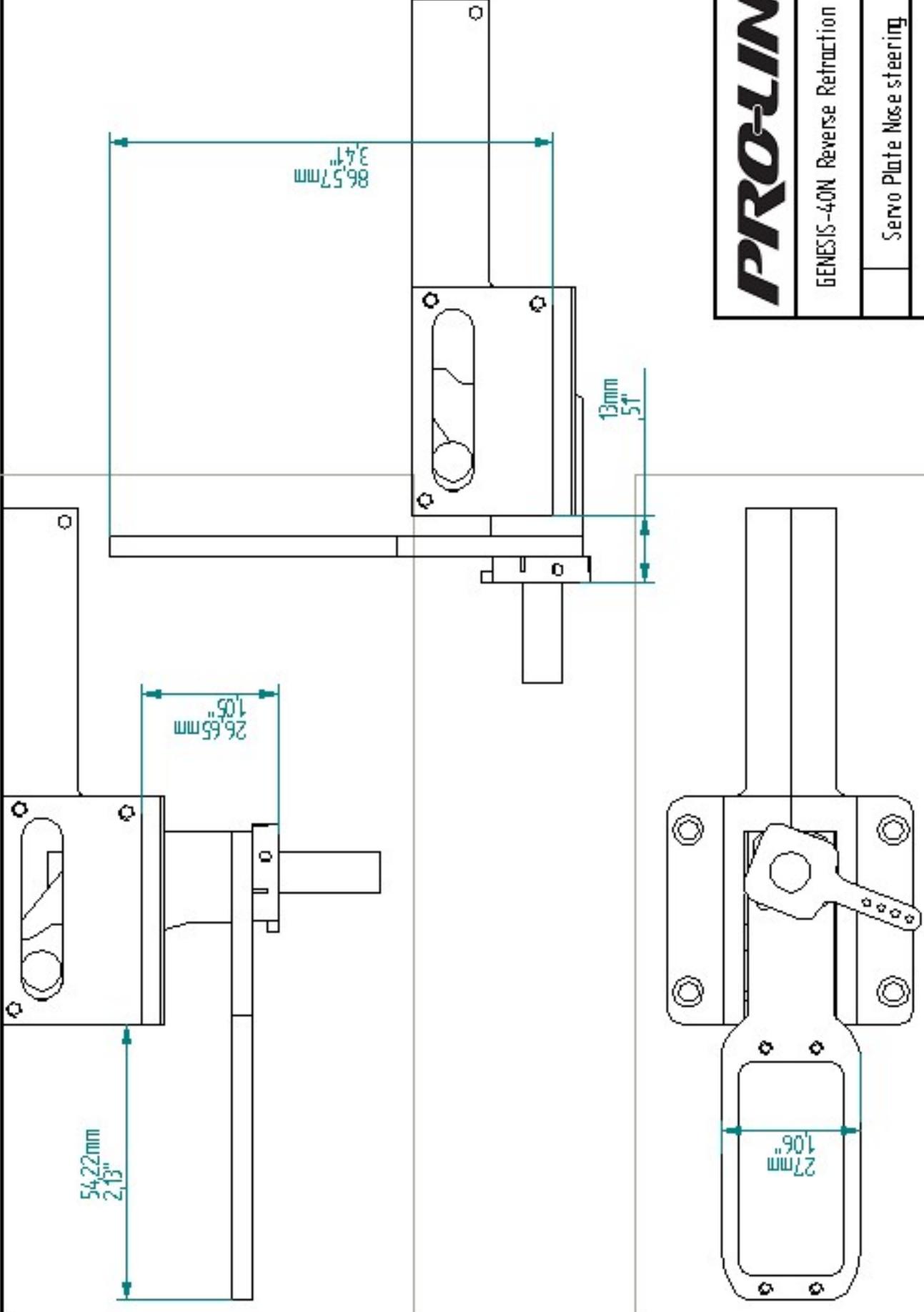


# PRO-LINK

GENESIS-40N Normal Retraction

Indirect Nose steering

SHEET 4 OF 5 SCALE: 1 : 1



**PRO-LINK**

GENESIS-40N Reverse Refraction

Servo Plate Nose steering

SHEET 5 OF 5 SCALE: 1:1