

The Gullco Moggy® friction drive travel carriage is designed to perform Horizontal Fillet Welding, Lap Welding and Butt Welding. It can be fitted with a Gullco Compact Oscillator to perform multi-pass welding. These operations can be performed on horizontal fillets with a minimum radius of 39 in. (1 meter) and up to a 30° incline. Following is a brief description of the Moggy and components that make up the system.

It is a lightweight, portable, four wheel friction drive travel carriage that can be used with or without track to automate welding operations. A speed potentiometer provides infinite speed selection within the 6 to 115 in/min (15.2 to 292.2 cm/min) range. The unit comes complete with adjustable guide rolls, travel limit switch assembly, vertical and horizontal slides providing 1 3/4" (44.4mm) adjustment and a semi-automatic gun holder. It is designed to run on a horizontal path against a vertical surface or a vertical path against a horizontal surface (Magnetic Moggy) to perform a fillet weld.

The Standard Moggy can be adapted for use on standard 6" (152.4mm) v-groove track by reversing the wheel assemblies. Safety is assured by using Gullco low voltage 24 volt DC highly advanced control power supply system that is available in 3 line voltage inputs ... 42, 110 and 230 volt AC 50/60 Hz.

Please specify line voltage when ordering.
(Magnetic Moggy® details on back)

Standard MODEL GM-03-050
(Magnetic Model GM-03-350)
Moggy Carriage with control for **continuous travel**, and with forward/stop/reverse switch, wire feed start on/off switch, travel speed potentiometer, auto wire feed start with delay carriage start, travel speed displayed in LED window, wire feed connector with 15 ft. (4572mm) control cable.

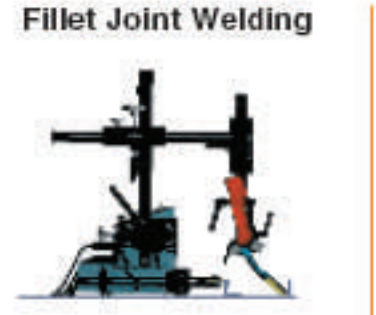
Standard MODEL GM-03-100 (Magnetic Model GM-03-300) Moggy Carriage with control for continuous or stitch welding, and with a control that uses a Gullco microprocessor to provide accurate repeatability regardless of travel speeds for weld distance on and weld distance off. It has a forward/stop/reverse switch, wire feed start on/off switch, travel speed potentiometer, auto wire feed start with delay carriage start, wire feed connector with 15 ft. (4572mm) control cable. All functions displayed in LED window.

The Gullco moggy is a highly reliable, versatile heavy duty travel carriage which is ideal for a wide range of applications

The Moggy can be adapted to automate and reduce welding and set up costs in a broad range of applications. Some typical configurations are shown below



Lap Joint Welding
The Moggy is performing a lap joint weld. It is guided by Industry Standard 6" (152.4mm) v-groove Track running parallel to the joint.



Fillet Joint Welding
The Moggy performing a fillet weld using a template, guide or fence positioned parallel to the work piece. The actual workpiece is often used as the guide.



Dual Gun Welding
Dual gun holder assembly mounted on the Moggy enables positioning of 2 guns and simultaneous activation of two wire feed signals. Moggy is guided by the workpiece.



Butt Joint Welding
The Moggy is ideal for butt joint welding. Here the Moggy is using a fence to guide it accurately along the desired path. Standard v-groove track can also be used.



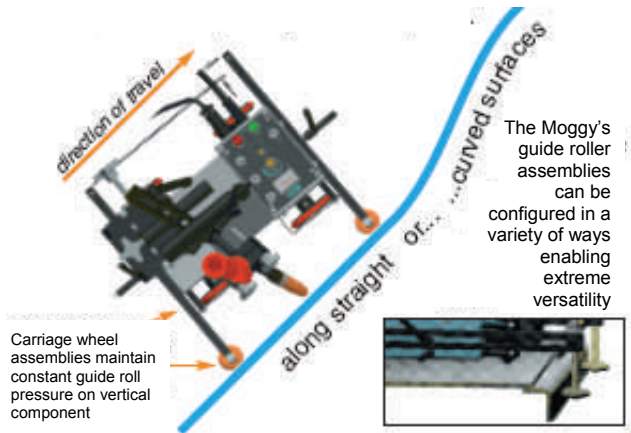
Joint Tracking
Adjustable height guide roller assemblies are available to track joints with a vertical member higher or lower than the set height of guide roller wheels.



Radial Oscillation
Replaces the standard gun holder assembly in order to weave the gun across the joint while the Moggy provides the weld travel motion.

Precise Torch Alignment To The Seam

Adjustable guide rolls mounted on the front or back of the carriage monitor the slightest seam variations following straight or curved surfaces...maintaining optimum torch positioning. The carriage travels in forward or reverse direction at precisely controlled speeds.



SPECIFICATIONS

Speed Range.....6 to 115 in/min (15.2 to 292.2 cm/min)

Dimensions:

Length 16 in. (406.4 mm)
Width.....12 in. (311.1 mm)
Height 11 in. (279.4 mm)
Weight30 lbs. (13.6kgs)

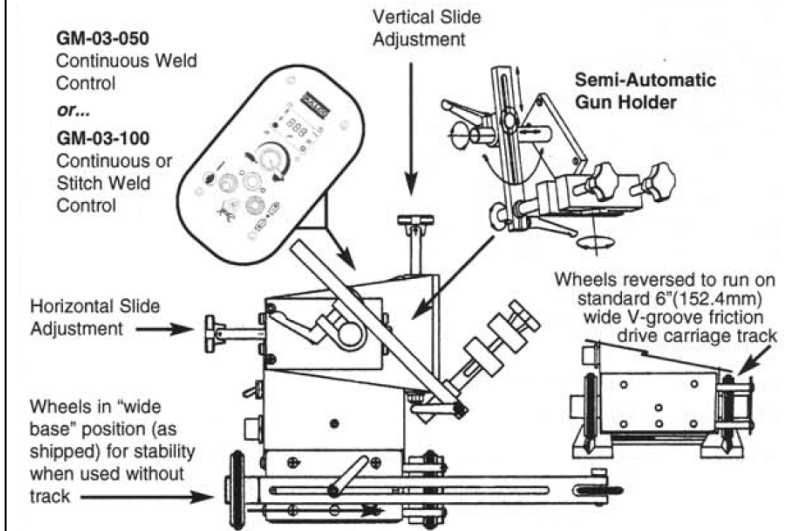
Accessories available

Model GK-194-O-330- Radial Oscillator complete with bracketry for mounting on Gullco Moggy Carriage.

Model GM-01-064- Adjustable Guide Roller Assembly enables joint tracking where the vertical member is lower/higher than set height of guide roller wheels.

Model GM-01-065- Cutting Torch Holder Assembly enables automated torch cutting operations.

GM-01-070- Dual Gun Holder Assembly enables the use of two independently positioned welding guns with two wire feed signals simultaneously activated.



Also available as a SUBMERGED ARC MOGGY



SAM Submerged Arc Carriage... shown set at 45° for beam welding application.



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