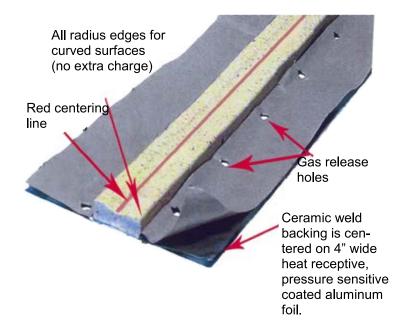


Ceramic Backing Tape

Part #	Product		
Round - Ceramic Baking Tape			
1G6-RD	GULLCO Ceramic Backing Tape		
1G9-RD	GULLCO Ceramic Backing Tape		
1G13-RD	GULLCO Ceramic Backing Tape		
Tria	angular - Ceramic Baking Tape		
1G33-60	GULLCO Ceramic Backing Tape		
Flux Co	re Mig Wire - Ceramic Baking Tape		
1G41-R	GULLCO Ceramic Backing Tape		
1G42-R	GULLCO Ceramic Backing Tape		
1G42-Rx14	GULLCO Ceramic Backing Tape		
	Flat - Ceramic Baking Tape		
1G42-FR	GULLCO Ceramic Backing Tape		
1G42-FRx1/4	GULLCO Ceramic Backing Tape		
Solid Mig Wire - Ceramic Baking Tape			
1G43-R	GULLCO Ceramic Backing Tape		
1G43-Rx1/4	GULLCO Ceramic Backing Tape		



MODEL	SPECIFICATION/TYPICAL APPLICATION	SPECS. inches / (mm)
1G6-RD (12m - 40t/ box) 1G9-RD (12m - 40t/ box)	This is a 6mm round tile suitable for X preps, K preps and single bevel, single v butt joints (similar to fillet welds) on thin plates up to 10mm thick. Suitable for welding with M.I.G./M.A.G. solid, flux cored or metal cored wires. 1G9-RD is for use on thicker plates.	B 1 254 1 254 1 254
1G13-RD (12m - 40ft/ box)	These tiles are for similar uses as the 1G6-RD but for thicker plates up to 15mm thick. Suitable for welding with M.I.G./ M.A.G. solid, flux cored or metal cored wires. can be used as shown	1613-RD
1G33-60 (12m - 40t./ box)	All 1G33 tiles are suitable for K or X preps where the bevel angles are 45, 60 or 90 degrees. Also suitable for welding with M.I.G./M.A.G. solid wire, metal cored or flux cored wires. They are a substitute for round tiles where the benefit of the 1G33 range of tiles is a "full-face" contact with the joint preparation reducing the risk of burn-through as may occur with the round tiles where you have a single point contact of the tile with the work piece. 1G33-90 also used when reverse side of a single bevel, single V butt joint where the reverse angle will always be 90".	1G-33-60 H C H G H G H G H G H G H G H G H G H G
1G41-R (12m - 40t / hov)	This is similar to the 1G42-R but has a slightly smaller groove where more penetration is required than with the 1G42-R. Each tile is radiused to form a strip around a cylinder. √	A 1/N 63 8 1 25 8 C 1 25 4 O 5/16 7 9 E 36 05 F 1/02 1 G 276x 48;
1G42-R (12m - 40ft/box)	This tile is useful for M.I.G. welding with solid wires and metal cored wires. It is also useful for T.I.G. welding. Cored wires can also be used with this tile but smaller root reinforcement will be produced. Each tile is radiused to form the strip around a cylinder.	A 1/4 6.3 B 1 25.4 C 1 25.4 C 1 25.4 D 9.02 7.2 V 7/16 11.1 A F A F 1/16 1.6 G 3/10 4.10
1G43-R (12m - 40tl/box)	This tile is for similar applications as the 1G42-R but where a narrower root bead is required. Each tile is radiused to form a strip around a cylinder.	A 1/4 (1) 8 1 (6.1 C 1 (26.1 C

Gullco Pipe Roller





Part #	Product		
KR-200-M	GULLCO Power Roll With Foot Switch		
KR-750	GULLCO Idler Roll		

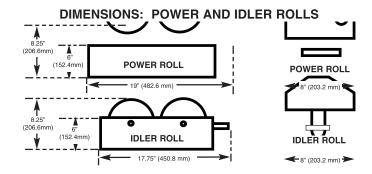
Long life, 6" (15.24 cm) diameter roller bearing wheels with rubber tires provide friction drive and uniformly smooth pipe rotation.

Electronic controls are immune to damage from high frequency and electromagnetic interference.

Portable: total weight of power and idler roll is 69 lbs. (31.3 kg). Use anywhere that 42, 115 or 220-240 volts* 50/60 cycle single phase power supply is available.

Protected on/off foot switch on 7.5 ft. (2.3m) cable provides maximum convenience and freedom for operator.

	POWER ROLLS
	Model KR-200-M
TURNING CAPACITY	1500 lbs (680kg)
LOAD CAPACITY/ROLL	750 LBS (340 kg)
PIPE DIA. RANGE	2"-16" (51-406mm)
SPEED RANGE	2.2-70.8 ipm
	(5.6-180 cm./min.)
WEIGHT	48 lbs (21.8 kg)
	IDLER ROLLS Model KR-750
LOAD CAPACITY	750 lbs (340 kg)
PIPE DIA. RANGE	2" - 16" (51-406 mm)
WEIGHT	21 lbs (9.5 kg)



Gullco Torch Stands



Free Standing Torch Supports & Torch / Gun Holders

Part # Product		
KR-1000-CBS	GULLCO Torch Support For Gas Torch	
KR-1000-WSB	GULLCO Torch Support For Mig & Plasma Torch	

MODEL KR-1000 WSB TORCH SUPPORT

1 1/8" (28.6 mm) square rack arm providing 22" (866mm) of vertical adjustment and 10 1/2" (266.7mm) of horizontal adjustment.

adjustment. Weight: 25 lbs. (11.34kg)



MODEL KR-1000 CSB TORCH SUPPORT

1 1/8" (28.6mm) square rack arms providing 22" (866 mm) of vertical adjustment and 10 1/2" (266.7 mm) of horizontal adjustment.

Weight: 25 lbs (11.34 kg)





Automatic Rotary Weld Positioners



Part #	Product	
GP-200-M	GULLCO Standard Welding Positioner	
KR-250-M	50-M GULLCO Programmable Welding Positioner	
KR-300-M	GULLCO Standard Welding Positioner With Through Hole	
KR-350-M	GULLCO Programmable Welding Positioner With Through Hole	

Model	Gas Purge	Programmable	Rotational Speed	Vertical Table Loading @ 3" C of G	Horizontal Table Loading
GP-300-M					
GPP-200-M			0.27 - 4.63	150 lbs.	300 lbs.
GP-250 & 350-M			RPM	(68 kg.)	(132 kg.)

Model GP-300/350 "Through Hole" Positioners

These positioner models are designed with a 2.5 inch (63 mm) "through hole" so the workpiece can be passed through the unit... making production on long pieces easier and faster.



Gullco's new microprocessor control not only provides improved speed regulation to Gullco's proven "GP" range of positioners. It also allows the positioner to be expanded into a fully automated welding cell. The control uses a tach feedback system to ensure smooth and accurate rotation of the workpiece and has the ability to activate pneumatic welding gun holder and wire-feed/arc activation signals, based on an operator defined welding cycle. The programmable microprocessor also provides adjustable positioning timing cycles, amount of weld rotation and weld on/off through 360°.

Gullco Welding Positioners are positive drive rotary turn tables complete with mounting flange, drive and tilt mechanisms and microprocessor based pulse width modulation motor controls. Standard and Programmable models are available. They are driven by a low voltage permanent magnet motor and gear head power unit assembly. The microprocessor motor control enables operator interface of start, stop, clockwise rotation and infinitely variable control of the speed, within the range of the model. Rotation speed is electronically controlled using an optical tachometer located on the back of the gear-motor. Speeds within the range of the model are infinitely variable in both clockwise and counter-clockwise directions through a rotary speed adjustment potentiometer located on the remote control. Table tilt is manually set at any desired angle, from 0° through 90°, quickly and easily. Safety is greatly enhanced with Gullco low voltage (24 V) control and power supply system.

GP/GPP 200 SERIES POSITIONERS ARE AVAILABLE IN STANDARD OR PROGRAMMABLE MODELS WHICH ARE EQUIPPED WITH CORRESPONDING REMOTE CONTROLS

STANDARD

The Standard Remote Control provides

- infinitely variable rotation speed within the model's speed range,
- forward/neutral/reverse switch,
- run/stop switch
- speed potentiometer



PROGRAMMABLE

The Programmable Remote Control with LED readout provides

- infinitely variable rotation speed within the model's speed range.
- forward/neutral/reverse switch,
- run/stop switch
- programmable microprocessor providing adjustable positioning timing cycles, amount of weld rotation, weld on/weld off through 360° and

a signal to activate a pneumatically operated weld gun holder and wire feed arc activation.



Gullco Plate Edge Bevellers



KBM-18 & KBM-28 Heavy Duty Plate Bevellers

Part #	Product
KBM-18-100	GULLCO Portable Plate Edge Bevelling Machine
KBM-18U-100	GULLCO Inverted Portable Plate Edge Bevelling Machine
KBM-28-100	GULLCO Portable Plate Edge Bevelling Machine
KBM-28U-100	GULLCO Inverted Portable Plate Edge Bevelling Machine



Gullco's KBM-18® & KBM-18U® Portable, Self-Propelled Plate Edge Bevellers produce clean machined bevels with no thermal distortion on mild steel, stainless steel and aluminum plate from 1/4" (6.0 mm) to 1 1/2" (38.1 mm) thick. Thinner material can be bevelled... consult factory for details. The KBM-18U® bevels the underside of plate eliminating the need to flip the work piece...reducing time and cost. Savings are further enhanced when both units are used in applications where both sides of the material require bevelling.

Adjustable Undercarriage...For Easy Height Adjustment

The KBM-18® can be purchased with an adjustable height, selfaligning, spring-loaded caster wheel assembly for self-propelled bevelling along any length of plate maintaining a uniform bevel and consistent root face. Undercarriage sold separate.

Angle Bevel Pins...Enable Bevel Angle Adjustment KBM-18® units are supplied with angle bevel pins for 22 1/2°, $30^\circ,\,37\,\,1/2^\circ,\,45^\circ$ and 55° bevels. Pins for other bevel angles are available upon request.

KBM18

Maximum Bevel Width: Maximum Bevel Depth: Min. Plate Thickness: Max. Plate Thickness: **Bevel Speed:**

Motor:

Weight: Complies With: 0.71" (18.00 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in2 (45 Kg/mm2) 0.61" (15.6 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in2 (45 Kg/mm2) 1/4" (6.0mm) Thinner material can be bevelled...consult factory for details

1 1/2" (38.1 mm)

120 in. (304.8 cm) per minute*

2HP, 3 phase, available for 230, 460 and 575V~ at 60Hz and also 380 and 400/415V~ at 50Hz supply

340 lbs. (154Kg.) including undercarriage assembly C.S.A./N.R.T.L. (File # LR 35006-6) and C.E. Regulations

KBM-28® & KBM-28U® Heavy Duty Portable, Self-Propelled Plate

Edge Bevellers produce clean machined bevels with no thermal distortion on mild steel, stainless steel and aluminum plate from 5/16" (8.0 mm) to 2" (50.0 mm) thick. The KBM-28U® bevels the underside of plate eliminating the need to flip the workpiece...reducing time and cost. Savings are further enhanced when both units are used in applications where both sides of the material require bevelling.

Adjustable Undercarriage...For Easy Height Adjustment

The KBM-28® units can be purchased with Gullco's exclusive adjustable height self-aligning spring-loaded caster wheel assembly for self-propelled bevelling along any length of plate maintaining a uniform bevel and consistent root face. Sold separate

Angle Bevel Pins...Enable Bevel Angle Adjustment

KBM-28® units are supplied with angle bevel pins for 22 1/2°. 30°. 37 1/2°, 45° and 55° bevels. Pins for other bevel angles are available upon request.



KBM28

Maximum Bevel Width: **Maximum Bevel Depth:** Min. Plate Thickness: Max. Plate Thickness:

Bevel Speed: Motor: Weight:

Complies With:

-1.10" (28.00 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in2 (45 Kg/mm2)

-0.95" (24.2 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in2 (45 Kg/mm2)

-5/16" (8.0 mm)

-2" (50.0 mm)

-78.7" (200 cm) per minute*

-3 HP, 3 phase, available for 230, 460 and 575V~ at 60Hz and also 380 and 400/415V~ at 50Hz supply

-890 lbs. (404Kg.) including undercarriage assembly

-C.S.A./N.R.T.L. (File # LR 35006-6) and C.E. Regulations





Portable Trackless Fillet Welding Travel Carriage Systems





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.

Part #	Product
GM-03-100	GULLCO MOGGY Carriage for Stitch Welding or Continuous Travel
GM-03-200	GULLCO MOGGY Dual Torch Carriage for Stitch Welding or Continuous Travel
GM-03-300	GULLCO MOGGY Carriage With Magnetic Base for Stitch Welding or Continuous Travel
GM-03-400	GULLCO MOGGY Dual Torch Carriage With Magnetic Base for Stitch Welding or Continuous Travel

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 Tracki



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.

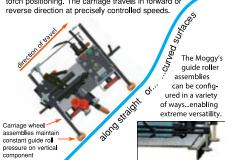
Radial Oscillation



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

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.



Fillet Joint Welding Butt

Welding Butt Joint Welding

Efficient...Effective..Versatile

The Gullco Magnetic Moggy is highly versatile and is ideally suited to a wide variety of welding applications...particularly in "Tee" fillet welding where there is not enough room for the carriage to run on the horizontal plate.

Kat & Oscillation Carriages

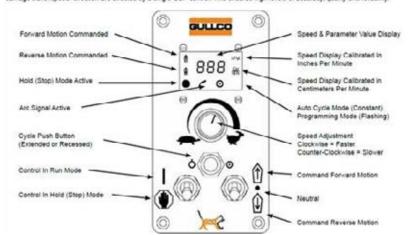


KAT Welding & Cutting Carriages

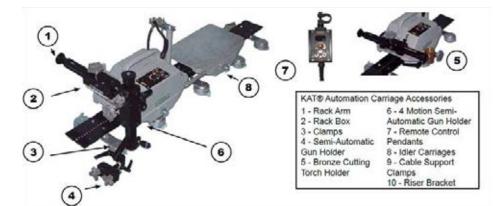
The Gullco "Kat" carriage is essentially a motorized platform for welding guns and cutting torches that travels along a special track. Its purpose is to automate welding/cutting operations by moving the activated gun or torch along the desired work path at the exact required speed. Result: manual error and fatigue problems are eliminated... specified quality and productivity targets are repeatedly achieved.

As illustrated at right, the electrically powered "Kat" has a pinion drive gear that engages the rack on the special Kat track, driving it forward or reverse at selected speeds. A wheel guide system grips each side of the track enabling the Kat to travel in any position... even upside down. An advanced micro-processor-based control provides precise forward/reverse speed settings for optimum automated weld or cut results.

The Gulico Standard Platform range of controls have switching for forward / neutral / reverse,run / stop, Manual / Auto & program variable increment/decrement (where applicable) and a rotary encoder for speed control. This microprocessor based, 24 volt DC motor control can be supplied to provide a variety of "optional" functions such as indexing, weld oscillation and suto-weld. The selected 'option' function and carriage travel speed' direction are directed by a single OSP control. This ensures high levels of accuracy, quality and reliability.



Part #	Product	
GK-200-RM	GULLCO KAT Welding and Cutting Automation Carriage - Rigid Track	
GK-200-RM-L	GULLCO KAT Linear Weld Oscillation Automation Carriage - Rigid Track	
GK-200-RM-R	GULLCO KAT Radial Weld Oscillation Automation Carriage - Rigid Track	
GK-200-FM	GULLCO KAT Welding and Cutting Automation Carriage - Flexible Track	
GK-200-FM-L GULLCO KAT Linear Weld Oscillation Automation Carriage - Flexible To		
GK-200-FM-R	GULLCO KAT Radial Weld Oscillation Automation Carriage - Flexible Track	



OSCILLATION



Ideal for heavy fabrication industries such as: Shipbuilding, Tank Welding, Pipeline and Bridge Construction

Motorized weld center line adjustment

Motorized stroke width adjustment

Precise oscillation speed control

Stores up to 10 different weld programs for quick recall of frequently used processes

Unique Drive System and Wheel Assemblies Enable Travel in All Positions Including Overhead



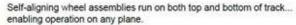






Available in Linear or Radial Oscillation

Adjustable Angular or Stepped Oscillation





Unique Drive System and Wheel Assemblies Enable Travel in All Positions Including Overhead







Ball studded drive sprocket engages apertures in the track

Self-aligning wheel assemblies run on both top and bottom of the track... enabling operation on any plane.





Electrode Stabilizing Ovens & Hot Box

Part #	Product
10B-20-220	GULLCO Portable Hot Box 20lb With Thermostat
125-220	GULLCO Welding Rod Oven 125lb With Thermostat
350-H-C GULLCO Welding Rod Oven 350lb With Thermos	
1000	GULLCO Welding Rod Oven 1000lb With Thermostat

Operates from any 220 volt, source. Is equipped with rod lifter, pilot light and has 1" high false bottom to prevent moisture damage to electric connections. Oven temperature, not controlled by thermostat, averages 275° F. Provides absolute electrode stability when used in conjunction with temperature-controlled ovens



	PORTABLE OVEN	COMPACT IN-SHOP MODELS		
	10 B-20	125	350A	1000
Capacity	10 to 20 lbs	125 to 175 lbs.	350 to 400 lbs.	Sixteen 12" Spools/1000 lbs.
Outside Dimensions	7" dia. x 23" high	16"h x 16" w x 24 1/2"d	22"h x 22"w x 241/2" d	39 3/4"h x 30 1/4"w x 30 3/4"d
Inside Dimensions	3" dia. x 19" high	81/4"h x 9 3/4"w x 19"d	14"h x 16"w x 19"d	24"h x 21 3/4"w x 24"d
Unit Weight (approx.)	14 lbs.	58 lbs	105 lbs.	330 lbs.
Electrode Size	up to 18"	up to 18"	up to 18"	up to 24"
Line Cord	3 wire - 8 ft.	3 wire - 8 ft.	None	None
Element	125 W - 115 Volt	1000 W - 115 V	1500 W-220/440 V	3000 W - 220/440 V- 1 Phase
Thermostat	Yes	Yes	Yes	Yes
Pilot Light	Yes	Yes	Yes	Yes
Temp. Range	100°- 400° F	100° - 550° F	100° - 550° F	100° - 550° F
Door Latch	Lift Lid	Push/Pull	Push/Pull	Push/Pull
Stacking	No	Yes	Yes	Yes

Eliminate the risk of costly rework and rejects.

Ensure consistent physical properties and X-ray quality w

Protect Low Hydrogen quality in electrodes and flux-cored wire.

Protect coatings on Aluminum, Bronze, Cast Iron, Stainless and other electrodes....prevent electrode wastage.



These Gullco Stabilizing Ovens have gained international recognition and acceptance based on a variety of quality and performance features including....

- compact, modular design with controls recessed for protection.
- shelves easily removed to accommodate large size loads.
- oven fully insulated to prevent heat loss....pilot light indicates oven operation.
- thermostat control, incorporating on/off switch, maintains oven temperature in 100° - 550° F range.
- models 125 and 350 feature nesting feet and sockets for safe, easy stacking.