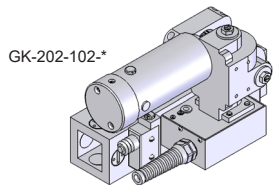
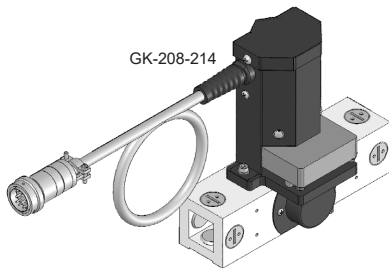
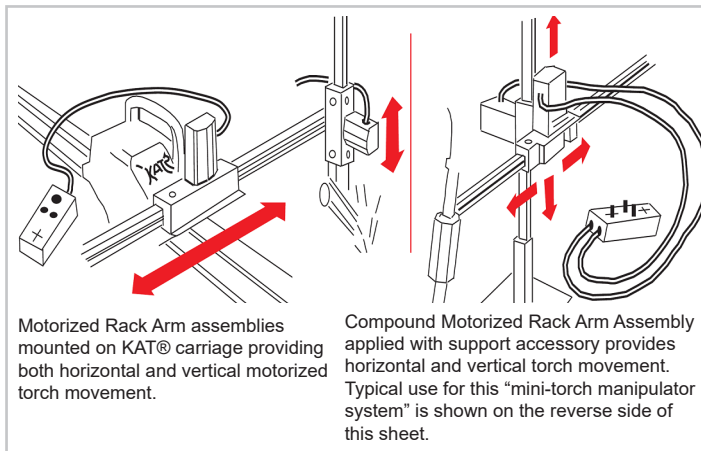


## MOTORIZED WELD TORCH POSITIONING ASSEMBLY



**GK-202-102-L / GK-202-102-M / GK-202-102-H  
1-1/8" INDEXER MOTORIZED RACK BOX**

**RACK BOX SPEED**  
 L = 0.5-15.4 IN/MIN [1.2-41.6 CM/MIN]  
 M = 1-32.7 IN/MIN [2.5-83.1 CM/MIN]  
 H = 2.7-88.4 IN/MIN [6.7-224.3 CM/MIN]



Motorized Rack Arm assemblies mounted on KAT® carriage providing both horizontal and vertical motorized torch movement.

Compound Motorized Rack Arm Assembly applied with support accessory provides horizontal and vertical torch movement. Typical use for this "mini-torch manipulator system" is shown on the reverse side of this sheet.

Improve the precision and efficiency of welding and cutting operations with these Gullco accessories. The motorized rack box moves the arm to the left or right and up or down when used vertically on command from a "joystick" equipped control box. A high speed override switch enables the operator to quickly position the torch prior to using low speed movement to follow the weld seam. Two assemblies can be combined to provide remote adjustment capabilities on both the X and Y axis, both controlled by a single joystick. The following components are used to provide assemblies suited to various applications requirements.

**GK-208-214**

An 8" (203mm) long, 1 1/8" (29mm) motorized rack box with adjustable nylastic bearing plugs, mounting holes suited to the Gullco KAT® carriage, and a control cable with quick disconnect plug for connection to the pendant control box.

**GK-208-215**

Motorized Rack Box with Swivel Clamp - 1-1/8" (29 mm) complete with 24" (609.6 mm) arm

**GK-208-217**

A 10" (254mm) long, 1 1/2" (38mm) extra heavy duty motorized rack box with adjustable nylastic bearings plugs, mounting holes suited to the Gullco KAT® carriage and control cable described above.

**GK-208-218**

Motorized Rack Box with Swivel Clamp - 1-1/2" (38 mm)

**GK-208-100**

Remote pendant control box features a joystick that gives the operator precise control of rack arm movement in either direction, vertically or horizontally. The control incorporates an easy to use, precise joystick and speed control knob for adjustment of rack arm movement.

*Remote Horizontal and Vertical Torch Adjustments*

PRECISION WELD TORCH MOVEMENTS AUTOMATED WITH THIS MOTORIZED POSITIONING ASSEMBLY

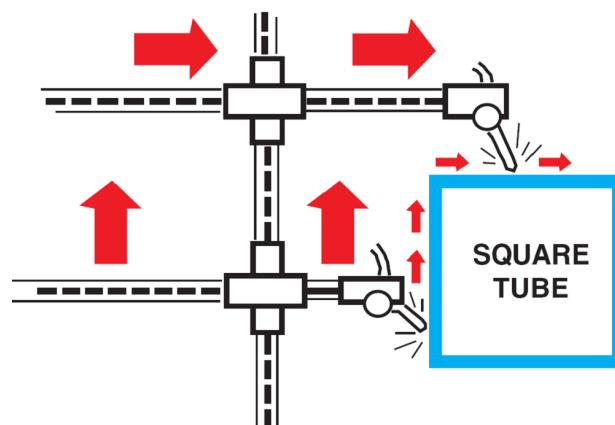


## SPECIFICATIONS

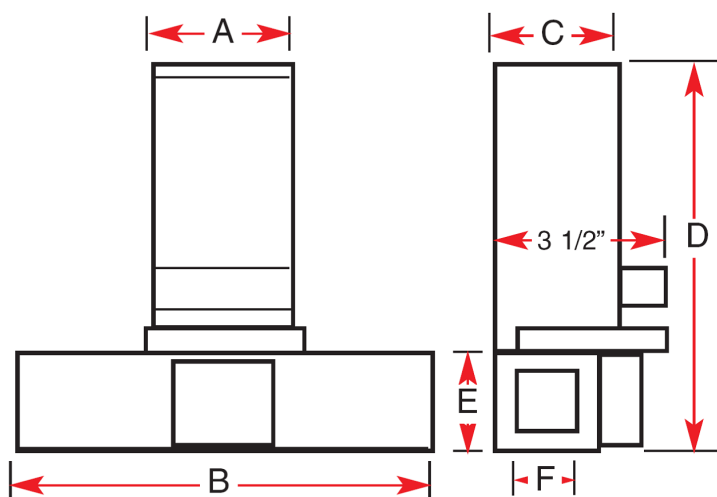
### STANDARD APPLICATION

Gullco Motorized Rack Arm Assemblies provide an effective, precise manipulator system for positioning cutting torches or welding guns. A typical application is illustrated at right:

A Compound Rack Arm Assembly is shown being used to cut or weld two sides of a square tube. Using the joy stick-equipped pendant control the vertically mounted box in the assembly moves up the arm to produce the vertical cut or weld. The arm of the second box is then extended to produce the horizontal cut or weld.



### DIMENSIONS (PER DRAWING)



A		B		C		D		E		F	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
3	76.2	8	203.2	2 3/4	69.85	7 3/8	187.3	2	50.8	1 1/8	28.57
3	76.2	10	254	2 3/4	69.85	7 7/8	200	2 1/2	63.5	1 1/2	38.1

#### Compound Assemblies:

Comprised of two motorized rack boxes mounted at right angles to provide up/down, in/out movement of two 24" (610 mm) long rack arms. Supplied with two 15 ft. (4572 mm) control cables.

#### GK-208-216

As above to work with 1 1/8" (29 mm) rack boxes and arms.

#### GK-208-219

1 1/2" (38 mm) rack boxes.

The capacity of these motorized rack arms is 50 lbs. (20.4 kg) load vertical. The extra heavy duty 1 1/2" (38 mm) arm provides an additional 33% rigidity over the 1 1/8" (29 mm) arm. Safety is assured by the use of Gullco's low voltage (24 volt) micro processor based control system for operation in either 42, 110 or 230 volt A.C single phase 50/60 Hz power supply. Specify voltage when ordering.

Gullco motorized rack arms can be readily adapted to any existing welding fixture for operations requiring infinite precise adjustment of the welding gun position.

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL DIMENSIONS ARE NOMINAL

#### GULLCO

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