



ORBITAL PIPE WELDING SYSTEM - PIPE KAT®



**Carriage System Includes:**

- Linear Oscillator
- Motorized Width Adjustment
- High Deposition Rate
- Simple Setup
- Easy to Use Controls
- High Speed Positioning (120 IMP / 3048 mm/min)

PK-200-B 115 Volt Model

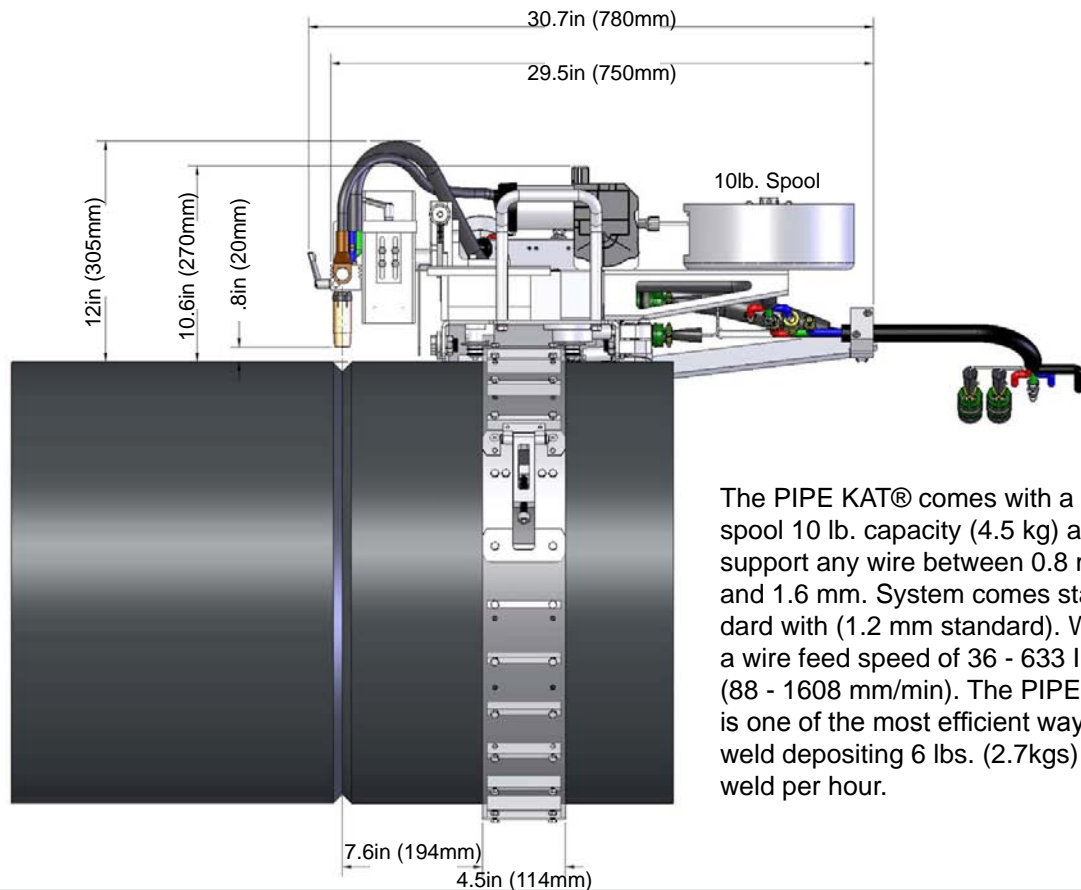
PK-200-C 230 Volt Model



*Increase pipe welding production and quality with this automation carriage*

AUTOMATED PIPE WELDING SYSTEM WITH INTEGRATED WIRE FEEDER



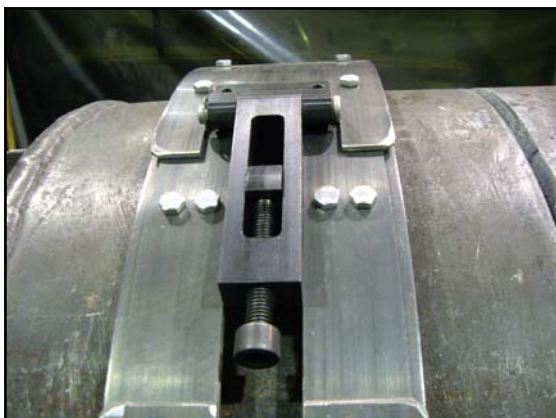


The PIPE KAT® comes with a wire spool 10 lb. capacity (4.5 kg) and can support any wire between 0.8 mm and 1.6 mm. System comes standard with (1.2 mm standard). With a wire feed speed of 36 - 633 IPM (88 - 1608 mm/min). The PIPE KAT® is one of the most efficient ways to weld depositing 6 lbs. (2.7kgs) of weld per hour.

The Gullco PIPE KAT® is a practical, affordable alternative to manual welding of heavy wall pipes 10" (254 mm) O.D and up. It produces x-ray quality welds with robotic consistency and precision, making it ideal for pipeline on-site work. The PIPE KAT® versatility allows it to work with various power sources, keeping overall costs low while still providing welds that meet code requirements. Total carriage weight less wire spool 42 lbs. (19 kgs). The unit is mounted on pipe by means of quick mount pipe band, which is available for all standard and custom pipe diameters. The welding torch is mounted on one side providing full open access to the weld joint area. The PIPE KAT® can be easily converted for straight line welding on tanks, shipbuilding, etc.

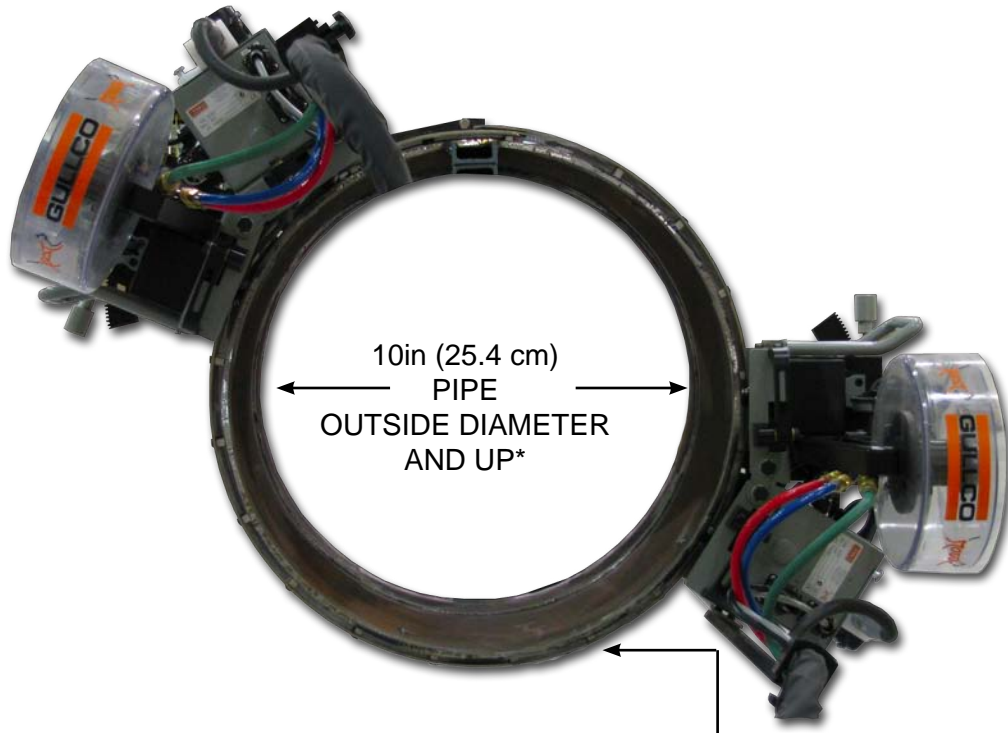
### EASY STORAGE AND MOBILITY– PROTECTIVE CASE

The PIPE KAT® is shipped in a moisture resistant protective case which will protect the carriage and ensure that all of the components are kept secure. The PIPE KAT® and all of its components are protected by dense reusable foam, making it easy to both remove and replace the carriage and its accessories after the welding has been completed. (Shipping weight 145 lbs / 70 kgs including carriage)



### QUICK INSTALLATION TRACK DESIGN

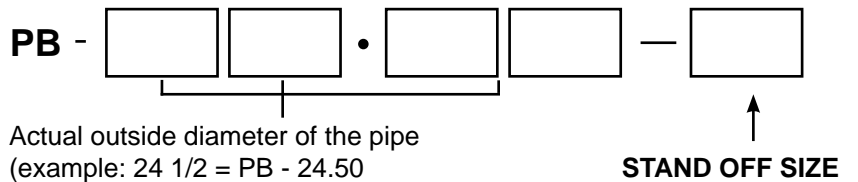
The PIPE KAT® Orbital Welder uses a track design which utilizes a quick release band attachment to greatly decrease set-up time and improve the stability of the carriage during welding. Pipe bands are available from 10" (254 mm) outside diameter or larger.



\* ABOVE PICTURE ON 24in (61cm) PIPE

The PIPE KAT® unique design allows it to weld pipes as small as 10" (254 mm) O.D up to and including flat, horizontal or vertical welding. The PIPE KAT® is equipped with a linear oscillator. With the integrated wire feeder unit and the carriage incorporates 2.2 – 40 IPM (5.6-1016 mm/ min) welding carriage design with quick action mounting for ease of installation. The carriage is equipped with a high speed return feature for fast repositioning. A linear oscillator with adjustable weave width joint centerline adjustment and motorized vertical slide. All motorized functions incorporate jog settings. The system comes with a main control box on 25 ft. (7620 mm) of umbilical and remote pendant with 35 ft (10.5 m) of cable. Wire feed spool capacity of 10 lbs (4.5 kg) with a wire speed range of 36-633 IPM (88-1608 mm / min). Wire size range from 0.8 mm to 2 mm. The welding torch uses standard consumables.

#### DETERMINING THE PIPE BAND PART NUMBER



A	B	C	D	E	F	G
3/4" (19.0mm)	1" (25.4mm)	1 1/2" (38.1mm)	2" (50.8mm)	2 1/2" (63.5mm)	3" (76.2mm)	3 1/2" (88.9mm)



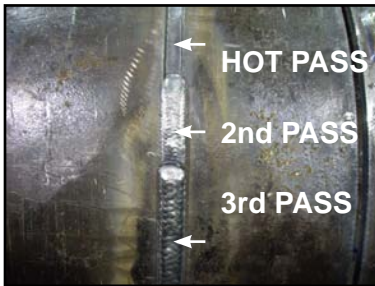
#### CUTTING ATTACHMENTS AVAILABLE

The PIPE KAT® is a versatile carriage and can be modified in order to complete cutting applications. Using our rack box and rack arm system the PIPE KAT® is able to make clean precise cuts whether it is flame beveling or horizontal cutting.





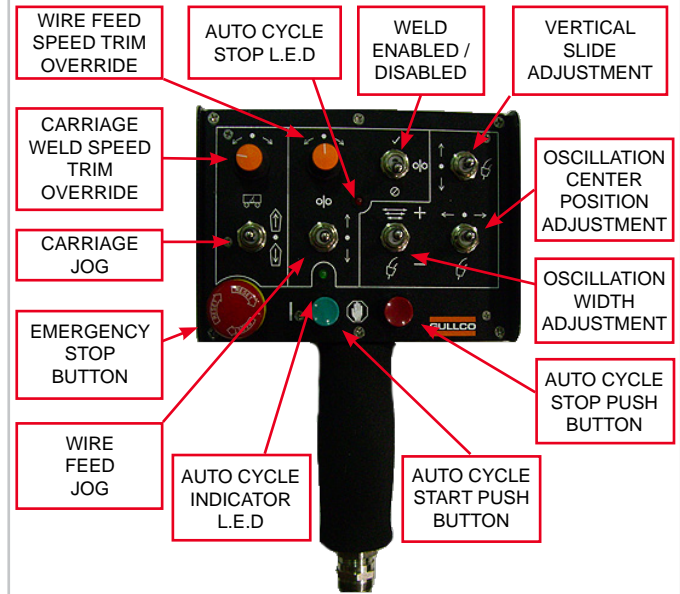
## WELD SAMPLES



### WELD TORCH AND WIRE INFORMATION:

The welding torch uses standard consumables, Bernard, Tregaskis or Binzel, air cooled or water cooled. Wire feed 10 lb. (4.5 kg) spool capacity. Maximum wire speed of 36 - 633 (88 - 1608 mm/min) with a size range of .8 to 2mm

## REMOTE HAND PENDANT



Remote pendant on 35 ft. (10.6 m) of cable incorporates carriage speed and jog, wire feed speed and jog, vertical slide adjustments, oscillation width and centerline adjustment with start/stop and emergency stop buttons. Optional extensions cable 15 ft. (4570 mm).

## GULLCO PIPE KAT® CARRIAGE CONTROL

Includes:

- Motorized Width Adjustment
- High Speed Return
- Motorized Weld Head Joint Positioning
- Motorized Vertical Slide
- High Speed Carriage Jog
- Up/Down Jog Switch
- Wire Feed Jog
- Weld Enabled / Disabled Switch
- Auto Start Warning Buzzer

## CARRIAGE CONTROL



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**GULLCO**

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