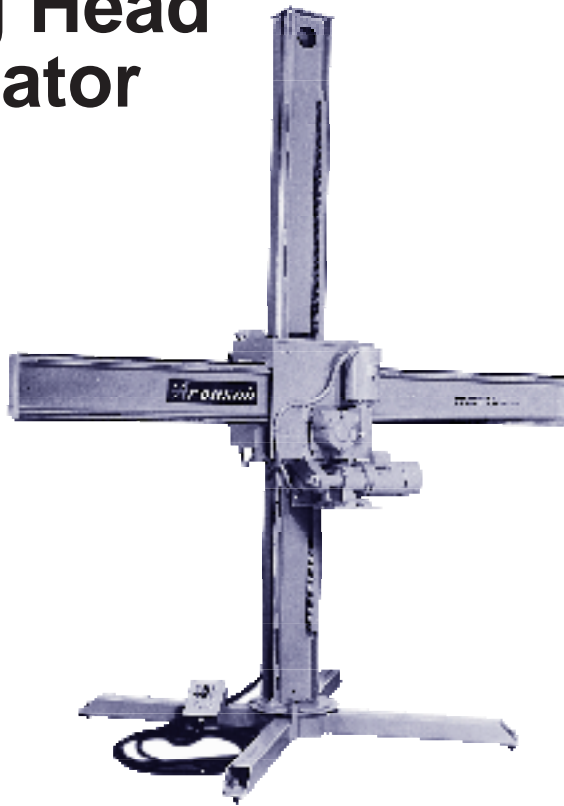


# LOCUST-1

## Welding Head Manipulator



*Locust-1 series offers three different size models with load capacities of up to 400 pounds.*

### Features

- Load capacities up to 400 pounds
- Three sizes to 8' x 8'
- Manual sub-arc and forced flux feeder maximizes utilization
- NEMA 12 electricals
- Dust-tight enclosures and push-button pendants resist contamination
- Floor-base or car-track configurations available
- A variety of accessories allow application versatility



The Locust-1 Manipulator was specifically designed to facilitate smaller welding jobs at the ground level. A steady arc can be maintained which results in highly accurate welds and the absence of lost motion and deflection.

### Power and Speed Options

**Reach:** VRA: 100-3.3 ipm (2540-83.8mm/pm) Variable Reach, 30:1 SCR DC 1/3 hp  
 VRB: 100-1.7 ipm (2540-43.2 mm/pm) Variable Reach, 60:1 SRC DC 1/3 hp  
 CR: 100 ipm (2540 mm/pm) Constant Reach, 1/4 hp Brakemotor  
 SR: Manual Handcrank Reach, no power  
 MR: Manual Reach, push-pull, no handcrank

**Lift:** VL: 34-1.1 ipm (863.6-27.9 mm/pm) Variable Lift, 1/2 hp DC Motor  
 CL: 34 ipm (863.6 mm/pm) Constant Lift, 1/2 hp Brakemotor

**Kingpin:** PK: Manual Rotation, Wrench-locked

**Car:** VT: 150-5 ipm (3810-127 mm/pm) Variable Traverse, 1/2 hp DC Motor  
 CT: 150 ipm (3810 mm/pm) Constant Traverse, 1/2 hp Brakemotor  
 MT: Manual Traverse, Wrench-locked

**Note:** Variable Speed Options have Rapid Traverse and Inching features.



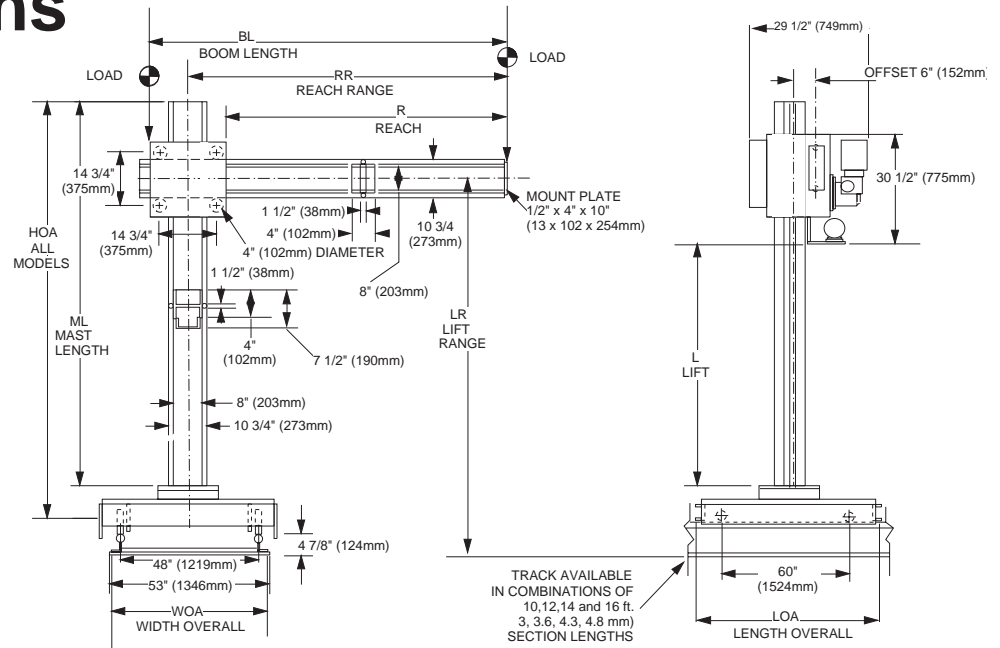
*NEMA 12 Electricals include dust tight enclosures and push button pendants.*



## KOIKE ARONSON, INC.

P.O. Box 307, Arcade, New York 14009  
 Phone (585) 492-2400 FAX (585) 457-3517

# Specifications



SPECIFICATIONS	6 x 6	7 x 7	8 x 8
<b>Load Capacity:</b>	400 lbs. (181 kg)	350 lbs. (159 kg)	300 lbs. (136 kg)
<b>R: Reach, Travel:</b>	6' (1829 mm)	7' (2134 mm)	8' (2438 mm)
BL: Boom Length	97" (2464 mm)	109" (2769 mm)	121" (3073 mm)
RR: Reach, Range	13" - 85" (330 - 2159 mm)	13" - 97" (330 - 2464 mm)	13" - 109" (330 - 2769 mm)
<b>L: Lift, Travel</b>	6' (1829 mm)	7' (2134 mm)	8' (2438 mm)
ML: Mast Length	107" (2718 mm)	119" (3023 mm)	131" (3327 mm)
LR: Lift, Range (below)			
<b>LR: Stationary Base</b>	24" - 96" (610 - 2438 mm)	24" - 108" (610 - 2743 mm)	24" - 120" (610 - 3048 mm)
HOA: Height Overall	107" (2718 mm)	119" (3023 mm)	131" (3327 mm)
DIA: Baseplate Diameter	15 1/4" (387 mm)	15 1/4" (387 mm)	15 1/4" (387 mm)
<b>LR: Stationary Kingpin</b>	30" - 102" (762 - 2591 mm)	30" - 114" (762 - 2896 mm)	30" - 126" (762 - 3200 mm)
HOA: Height Overall	113" (2870 mm)	125" (3175 mm)	137" (3480 mm)
DIA: Baseplate Diameter	24" (610 mm)	24" (610 mm)	24" (610 mm)
<b>LR: Portable Fixed Base</b>	29" - 101" (737 - 2565 mm)	29" - 113" (737 - 2870 mm)	29" - 125" (737 - 3175 mm)
HOA: Height Overall	112" (2845 mm)	124" (3150 mm)	136" (3454 mm)
DIA: X-Base Diameter	87" (2210 mm)	99" (2515 mm)	99" (2515 mm)
<b>LR: Portable Kingpin</b>	29 1/2" - 101 1/2" (749 - 2578 mm)	29 1/2" - 113 1/2" (749 - 2883 mm)	29 1/2" - 125 1/2" (749 - 3188 mm)
HOA: Height Overall	112 1/2" (2857 mm)	124 1/2" (3162 mm)	136 1/2" (3467 mm)
DIA: X-Base Diameter	87" (2210 mm)	99" (2515 mm)	99" (2515 mm)
<b>LR: Car</b>	39 3/8" - 111 3/8" (1000 - 2829 mm)	39 3/8" - 123 3/8" (1000 - 3134 mm)	39 3/8" - 135 3/8" (1000 - 3438 mm)
HOA: Height Overall	122 3/8" (3108 mm)	134 3/8" (3413 mm)	146 3/8" (3718 mm)
WOA: Width Overall	60" (1524 mm)	60" (1524 mm)	60" (1524 mm)
LOA: Length Overall	72" (1829 mm)	72" (1829 mm)	72" (1829 mm)
<b>LR: Car-Kingpin</b>	41 3/8" - 113 3/8" (1051 - 2880 mm)	41 3/8" - 125 3/8" (1051 - 3184 mm)	41 3/8" - 137 3/8" (1051 - 3489 mm)
HOA: Height Overall	124 3/8" (3159 mm)	136 3/8" (3464 mm)	148 3/8" (3769 mm)
WOA: Width Overall	60" (1524 mm)	60" (1524 mm)	60" (1524 mm)
LOA: Length Overall	72" (1829 mm)	72" (1829 mm)	72" (1829 mm)



**KOIKE ARONSON, INC.**

**Main Office:**

635 W. Main St., Arcade, New York 14009  
 Phone (585) 492-2400  
 Fax (585) 457-3517 (585) 492-5209

**Southern Regional Office:**

1285 North Post Oak, Suite 150, Houston, TX 77055  
 Phone (713) 682-9645 Fax (713) 957-4852

Sold By: