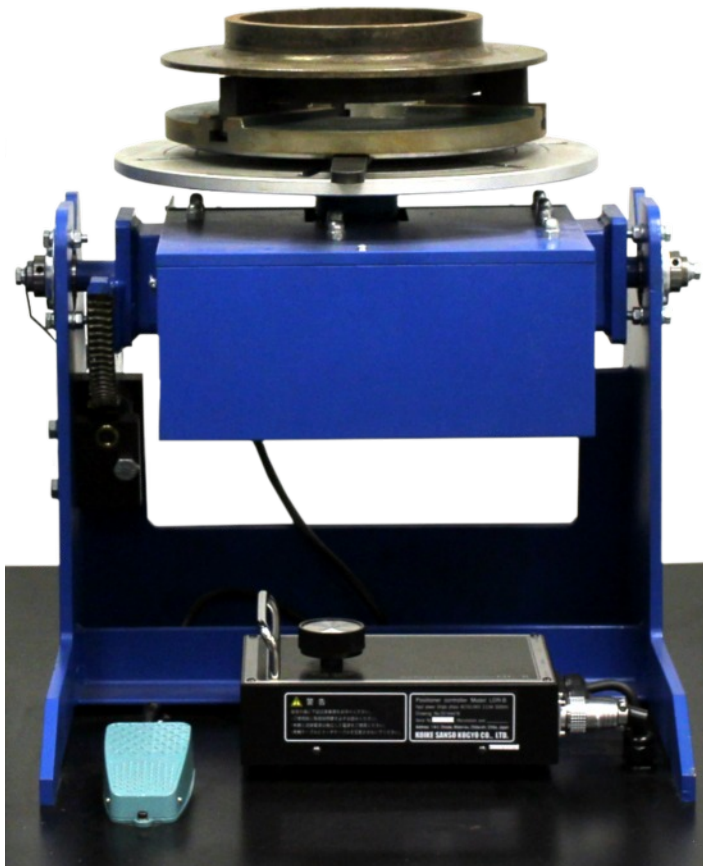


# LD-R Bench Series

Portable Multi-Purpose Positioners



## Quality at an Affordable Price

The LD-R model positioners are designed and manufactured to provide stable positioning control on a wide range of rotation speeds. From slow to high speed only the load weight needs to be taken into consideration when selecting a model. A precision drive system quickly responds to changes needed in work piece or changes in circumferential welding speed.

## Features & Benefits

- **Four Models Available**  
LD-60R, LD-150R, LD-300R, LD-600R
- **Four Load Capacities**  
132lbs (60kg), 330lbs (150kg), 660lbs, (300kg), 1322 lbs (600kg)
- **Ergonomic Operator Controls**  
Remote operation box and foot control allow the welder to create a more ergonomic work station.
- **Reliable Drive System**  
DC drive system is built to provide a long service life and protect against high frequency noise.
- **0 ~ +/-135 Degree Tilt Angle**  
Wide range allows welder to position difficult to weld parts.
- **Precision Machined Table**  
Full length clamping slots, pilot hole and concentric centering groves provide for quick and easy mounting of parts
- **Self Locking Worm Gear**  
Table tilt is adjusted by effortless one-hand operation and automatically held in place (LD-60R uses tilt lever and friction brake).
- **Precision Welded Trunnions**  
Eliminate inherent looseness experienced in other lower cost competitive designs that use bolted or pinned construction.
- **Preloaded Taper Roller Bearings**  
Assures a maintenance-free steady welding ground for high quality welds.



KOIKE ARONSON, INC. / RANSOME

## The LD-R Series Built in the Aronson Tradition



**The LD-R control employs an infinite adjusting speed dial** that works in conjunction with the digital speed indicator above, giving the operator complete control over rotational speed with a numbered read-out for consistent motion. Includes an on/off type foot switch which aids in the safe operation of the unit.  
Note: The LD-600R has its' own type of integrated control.

**High TIG welding noise tolerance design** reduces the impact of noise generated during TIG welding while ensuring stable table rotation; thus improving both work efficiency and welding quality.

**Wide assortment of optional accessories** are available, to assist in the automation of welding work (torch stand, automatic welding controller, work chuck, weaving unit, torch holder, etc).

**L - Torch Stand** supports welding torches and assures accurate Welding. Counter weighted boom allows quick adjustments in the vertical position. Locking horizontal and vertical adjustments allow quick locating of torches. Rotating vertical column for fast loading/unloading of parts. Ball transfer base allows moving the stand easily and quickly. Leveling screws on base facility set up.



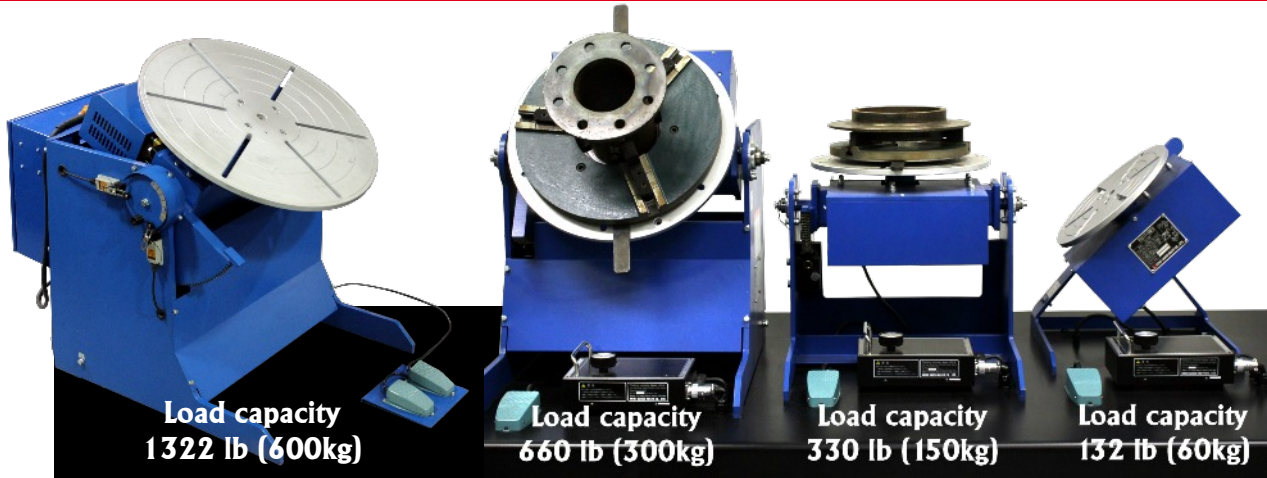
**WP Series - 3 jaw welding chuck** with self centering operation allows for fast set-up of cylindrical shapes.



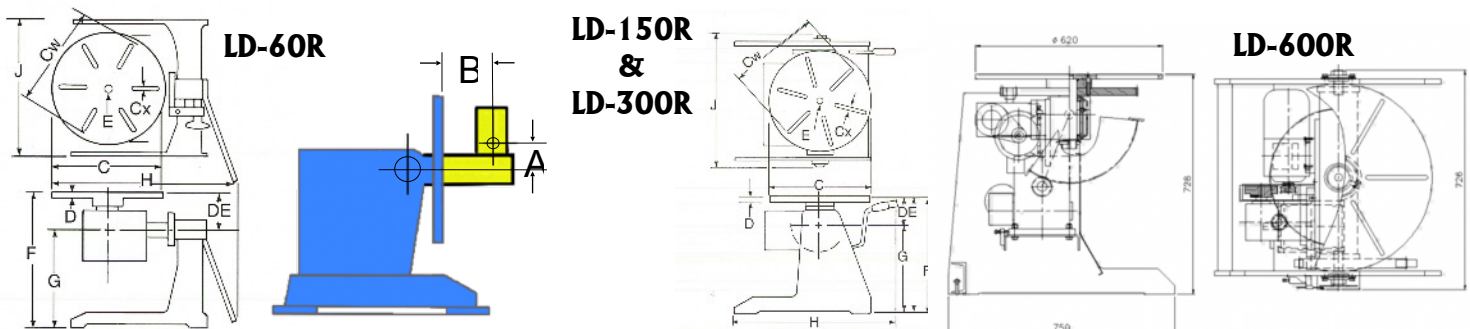
**WU-1 Weaver Torch Oscillator** features a remote pendent with programmable touch pad for control of weave width, oscillator frequency, torch dwell (left, center and right) and torch origin settings. The compact unit allows for changing parameters before or during the weld process. Parameters can be stored in memory.



# LD-60R to LD-600R Bench Positioner Specifications



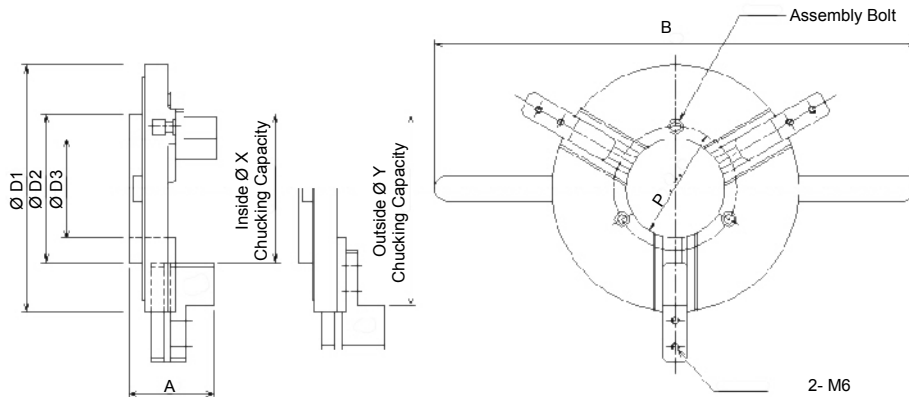
	LD-600R	LD-300R	LD-150R	LD-60R
Part number	ALD10401	LD300RSET	LD150RSET	LD60RSET
Power supply (V)	3-phase 460V	AC Single-phase 120V	AC Single-phase 120V	AC Single-phase 120V
Allowable welding current	750A	500A	500A	500A
External dimensions (WxDxH) in (mm)	30 x 40 x 29 (762 x 1016 x 737)	22.4 x 29.5 x 20.9 (570 x 750 x 530)	19.9 x 20.2 x 17.1 (505 x 515 x 435)	15.8 x 22.8 x 15.2 (400 x 580 x 385)
LD-R weight lb (kg)	705 (320)	298 (135)	132 (60)	66 (30)
Shipping weight lb (kg)	750 (340)	340 (155)	182 (82)	100 (45)
Max. horizontal load lb (kg)	1322 (600)	660 (300)	330 (150)	132 (60)
Max. vertical load lb (kg)	1102 (500)	485 (200)	265 (120)	66 (30)
Table diameter in (mm)	Ø 24 (610)	Ø 17.7 (450)	Ø 15 (380)	Ø 11.8 (300)
Table rotation	Min. (rpm)	0.2	0.23	0.15
	Max. (rpm)	1.16	4.6	6.2
Table tilt angle (°)	0 to 90	0 to 90	0 to 90	0 to +/-135
Max. Table rotation torque (kgf mm)	797 (9185)	694 (8000)	260 (3000)	130 (1500)
Max. Table tilt torque (kgf mm)	25354 (292112)	Manual	Manual	Manual
A: Allowable eccentricity of center of gravity at max. Vertical load in(mm)	3.9 (100)	1.5 (40)	1 (25)	2 (50)
B: Allowable height of center of gravity during max. Vertical load in(mm)	5.9 (150)	6 (150)	4.25 (110)	6 (150)
C: Table sizes in(mm)	24.375 (619)	17.75 (451)	15 (381)	11.75 (299)
Cw: Max. Clamping Ø in(mm)	23.25 (591)	16.125 (410)	13.75 (349)	10.75 (273)
Cx: Number of slots and width in(mm)	6 / .5 (12.7)	6 / .53 (13.4)	6 / .406 (10.3)	6 / .406 (10.3)
D: Slot thickness	0.625 (15.875)	.5 (13)	.81 (18)	.44 (11)
E: Pilot hole Ø & Depth in(mm)	1 x .375 (25.4 x 9.5)	.75 x .156 (19 x 3.9)	1.812 x .25 (46 x 6.3)	1 x .375 (25.4 x 9.5)
DE: Inherent Overhang in(mm)	5 (127)	3.9 (99)	3.9 (99)	3.9 (99)
F: Table flat height in(mm)	29 (736.6)	20.875 (530)	17.125 (435)	15.312 (402)
G: Horizontal (tilt) axis height in(mm)	35.5 (902)	17 (432)	13.25 (337)	11.625 (295)
H: Length overall in(mm)	40 (1016)	29.53 (750)	20.25 (514)	20.5 (521)
J: Width overall in(mm)	30 (762)	23.25 (591)	20.5 (521)	15.75 (400)



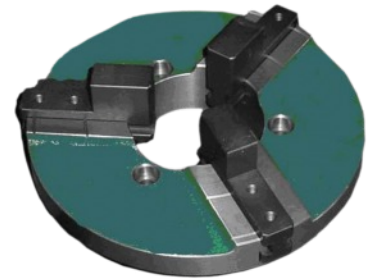
Model and specifications are subject to change without notice.

## Options

WP-(3 Jaw Chuck), L-Torch Stand, WU-1 Weaver



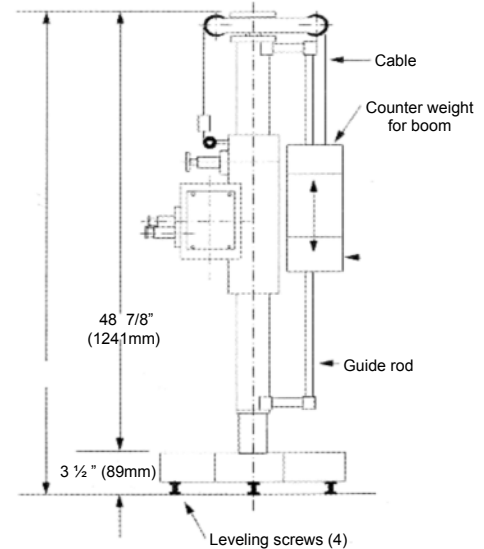
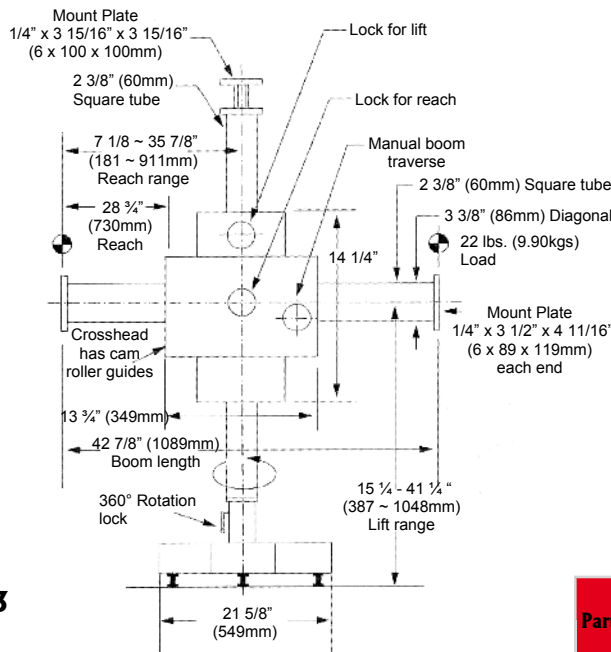
## WP- (3 Jaw Chuck)



Model	Part #	$\varnothing D1$ in(mm)	$\varnothing D2$ in (mm)	$\varnothing D3$ in (mm)	A in (mm)	B in (mm)	Inside $\varnothing X$ Chucking Capacity	Outside $\varnothing Y$ Chucking Capacity	Assembly Bolt	Weight lb(kg)
WP-200	W0300110	7.87 (200)	4.72 (120)	3.15 (80)	2.72 (69)	15.75 (400)	.78 ~ 5.11 (20~130)	4.33 ~ 8.27 (110~210)	M8-40mm Qty (3)	13.22 (6)
WP-300	W0300210	11.81 (300)	5.9 (150)	3.93 (100)	2.72 (69)	18.89 (480)	3.15~7.48 (80~190)	6.69~11.02 (170~280)	M8-45mm Qty (3)	26.46 (12)
WP-400	W0300310	15.74 (400)	9.84 (250)	6.7 (170)	3.74 (95)	23.62 (600)	4.72~9.84 (120~250)	9.84~14.96 (250~380)	M10-55mm Qty (3)	48.50 (22)



Part# ZA4401003



Part number	Description
ZA4404110	A) Torch holder assembly (less mounting bracket below) torch shown not included.
K868333200	B) Mounting bracket to L-Torch Stand

Part number	BUH21007	WU-1 Weaving Option Parameters	
		Welding Width	.12~1.0 in (3~25mm)
Weight	5 lb (2.2kg)	Weaving Cycle	3~120/min
		Dwell Time (Left, Center, Right)	0~3 sec
		Adjust midpoint of Weld	0~360 degree
Input power	120 volt	Save parameters in memory	1 Memory Location



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LDR 09/17 KENG