

# POSITIONERS

## POSITIONERS

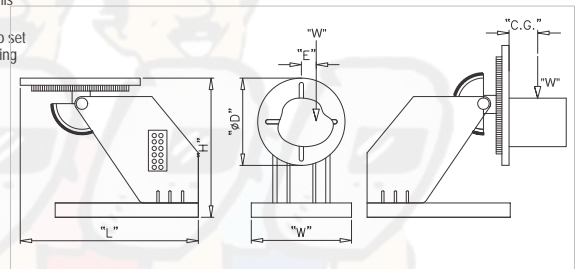
Models range from 50 kgs to 30,000 kgs

### APPLICATIONS

- The range of Welding Positioners offered by ADOR are ideally recommended for manipulating/rotating/ positioning of round or cylindrical jobs to facilitate SAW and MIG/MAG welding processes of tanks, barrels/shells, process equipments, round/tubular components etc

### SALIENT FEATURES

- All welding positioners are designed for longer service life and trouble free operation
- The main frame is rugged fabricated structure supporting all other subassemblies and designed for free standing in unloaded condition
- The work table is mounted on antifriction bearing arrangement and especially designed to take overhung loads
- The work table is provided with T slots for clamping of work or workholding fixtures
- The work table rotation is by a drive mechanism using AC motor, precision cut gears and worm reduction gearbox
- The tilt drive mechanism allows the work table to be positioned and locked at the desired angle within the specification of the positioner
- The positioner is also provided with a special direct earthing arrangement which prevents the return current from passing through the bearing, shaft gear or gears
- Mechanical stoppers in case of limit switch failure
- Once the job is loaded it can be manipulated conveniently to complete all the welding operation in down hand position. This reduce handling time & frequent use of crane
- Positioner can be conveniently used for complete circumferential welding, strip cladding for down hand position welding to set the job conveniently for easy accessibility to intricate assemblies etc along with CBM, a positioner can carry out any welding tasks which are impossible otherwise



### OPTIONAL FEATURES

- Face plate diameters more than standard version can be provided against specific requirement
- External arms required to accommodate increase diameter
- A.C. variable frequency drive for tilt drive
- Optional walkway/ platform at rear side of positioner can be provided
- Table rotation start/ stop controls can be given on foot switch

### OTHER OPTION

- Head stock- tail stock setup
- Elevating type positioners.
- Turn tables

## TECHNICAL SPECIFICATIONS

Model	WPL 50	WPL 100	WPM 250	WPM 500	WPH 1000	WPH 2000	WPH 3000	WPH 5000	WPH 8000	WPH 10000	WPH 15000	WPH 20000	WPH 30000
Capacity in all position (Kg)	50	100	250	500	1000	2000	3000	5000	8000	10000	15000	20000	30000
Face plate OD " D " (mm)	300	500	600	750	1000	1200	1400	1600	1800	2200	2400	2800	2800
Eccentricity " E "(mm)	40	40	100	150	150	150	150	150	150	200	250	300	300
C.G. (mm)	40	40	100	150	150	200	250	300	300	300	300	300	300
Speed Range (RPM)	0.45 to 8.4		0.1 to 1.5		0.1 to 1.0			0.02 to 0.2		0.02 to 0.25		0.01 to 0.15	
Tilting range (Degree)	+ 60 to -120		← 0 to 135 →										
Tilting Speed (Sec)	Manual		60	60	90	90	120	120	150	150	150	180	180
Overall Length "L" (mm)	580	580	1100	1300	1400	1600	1700	2200	2300	2700	2900	3400	3700
Overall Width "W" (mm)	590	590	680	900	1100	1250	1500	1750	1900	2300	2500	3200	3200
Overall Height "H" (mm)	500	500	900	1000	1000	1050	1300	1400	1500	1750	2200	2650	2650

### NOTE

- In view of continuous development, we reserve the right to modify the design & dimensions without notice.
- Any model not mentioned here can be designed manufactured & supplied as per the customer requirement.



WELDERS TO THE NATION SINCE 1951  
**ADOR WELDING LIMITED**  
 (Formerly Known as Advani-Oerlikon Ltd.)

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