

**PANDJIRIS INC.**

Welding Automation Solutions  
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**MODEL 15-4 MVRMT AB POSITIONER**

The Model "15-4" Positioner has a 1500# weight capacity with a 4" overhung and eccentricity rating. These all welded steel construction positioners come with heavy plate tilt and rotation spur gears precisely machined. A high reduction worm gear reducer is used to enhance the smooth fluid movements of the rotation and tilt gears. Solid state controls and dynamic braking are provided. Unit comes with a pendant controller on a 25' heavy duty rubber covered cable. All wiring is to the National Electrical Code.

Length (Base   Overall) .....	(33"   45-3/4")
Width (Base   Overall) .....	(20-15/16"   30-1/4")
Height .....	23-1/2" to 37-1/2"
Weight .....	750 lbs.
Table (Size   Config.   Material) .....	(24"   Round   Steel)
Pilot Hole (Dia.   Deep   Through Dia.) .....	(2"   1"   3/4")
Tilt (Range   Rate) .....	0° to 135° in 22 sec.
Table Rotation Rate .....	.08 to 1.6 RPM
Height Adjustment Method .....	Manual/Pins
"T" Slots .....	(4) for 1/2" ANSI Std "T" bolts and nuts
Centerline Height (Table @ 90°) (Low Setting   High Setting) .....	(22-1/2"   36-1/2")
Swing Radius (Table @ 90°) (Low Setting   High Setting) .....	(20"   33")
Load Capacity .....	1500 lbs
Eccentricity .....	4"
Overhung .....	4"
Rotation Motor .....	1/2 H.P. DC
Tilt Motor .....	1/2 H.P. AC Brake
Control .....	Pendant Control of Table Forward, Stop, Reverse, Speed and Weld Rapid High Frequency Protection Controls Operate on 115V Tilt UP/DN Control on Side of Control Panel
Electrical .....	115 VAC, Single Phase, 60 Hz Draws 20 Amps

**LOAD CAPACITY INFORMATION:** Reference page 17 for definitions and formulas.

$R_t$	Rated Eccentric Torque. ....	6,000 inch pounds
$OL_t$	Maximum allowable torque resulting from overhung weight (from tilt $\phi$ ). ....	12,000 inch pounds
$d_{sa}$	Table surface to tilt axis distance .....	4 inches
AW	Allowable workpiece weight .....	Pounds, see table below
d	Distance from table surface to workpiece CG .....	Inches, see table below

<u>Distance "d"</u>	<u>"AW"</u>
0 to 4	1,500
6	1,200
8	1,000
10	857
12	750
14	667
16	600

IN NO CASE SHOULD THE WEIGHT ON THE POSITIONER EXCEED 1500 POUNDS. ACCOUNT FOR FIXTURE OR CHUCK WEIGHT AND THICKNESS WHEN DETERMINING ALLOWABLE LOAD.

OPTIONS ARE AVAILABLE, CONTACT THE FACTORY.