



4000# GENERATION IV WELDING POSITIONER

TECHNICAL SPECIFICATIONS:

SI UNITS

MODEL WEHVHL 4000# SPECIFICATIONS	US CUSTOMARY UNITS	SI UNITS
Tilt Angle	115 deg	2.0 rad
Tilt Speed	54 deg per minute	0.94 rad per minute
Tilt Torque	48,000 in-lbs	5,423 N-m
Rating lbs @ 6" (152 mm) CG from vert. face of table	4,000 lbs	17,792 N
Rating lbs @ 12" (305 mm) CG from vert. face of table	3,500 lbs	15,569 N
Rating lbs @ 18" (457 mm) CG from vert. face of table	1,900 lbs	8,451 N
Rating lbs @ 24" (610 mm) CG from vert. face of table	1,300 lbs	5,783 N
Rating lbs @ 30" (762 mm) CG from vert. face of table	1,000 lbs	4,448 N
Rating lbs @ 36" (914 mm) CG from vert. face of table	800 lbs	3,559 N
Rating lbs @ 42" (1067 mm) CG from vert. face of table	650 lbs	2,891 N
Rating lbs @ 48" (1219 mm) CG from vert. face of table	550 lbs	2,447 N
Rating lbs @ 54" (1372 mm) CG from vert. face of table	500 lbs	2,224 N
Rotation Load Torque in/lbs at 2 rpm	30,000 in-lbs	3,390 N-m
Rating lbs@ 4" (102 mm) Eccentricity	4,000 lbs	17,792 N
Rating lbs@ 6" (152 mm) Eccentricity	4,000 lbs	17,792 N
Rating lbs@ 12" (305 mm) Eccentricity	2500 lbs	11,120 N
Rating lbs@ 18" (457 mm) Eccentricity	1667 lbs	7,415 N
Rotation Speed		
Without multiplier option, Variable	0.183 rpm to 3.529 rpm	0.183 rpm to 3.529 rpm
With 2:1 multiplier option, Variable	0.092 rpm to 1.765 rpm	0.092 rpm to 1.765 rpm
With 3:1 multiplier option, Variable	0.061 rpm to 1.176 rpm	0.061 rpm to 1.176 rpm
Power Requirements	15 amp, 110 volt, 60 hz	Contact Team for 220 volt power
Compressed air requirements	1/2" air line at 90 psi	13 mm air line at 620 kPa
Weld current conduction	1000 amps w/rotary ground	1000 amps w/rotary ground
Table Size	31" Diameter	787 mm Diameter
Spindle Outside Diameter	2 13/16"	71.4 mm
Spindle Inside Diameter	1 1/2"	38 mm
Motor Power	1.0 HP	0.75 kW
Dynamic braking to control overspeed	yes	yes
Adjustable accel and decel ramp	yes	yes
Forward and reverse rotation direction	yes	yes
Speed reference keypad	yes	yes
Password protected motor drive setup	yes	yes
Shipping Weight	1800 lbs	816 kg

CONTACT US

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NON-METALLIC FABRICATION

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