

Spec Sheet for Orbital Weld Head

(Related JMLs: 62863340, 41, 42, 43, 44)

Must be compatible with Liburdi P300 power source.

Must be a full function four-servo low profile weld-head for axial and radial restricted applications.

Must have the ability to ride on a track with an OD welding range from 4" to Infinity.

Must have programmable servo motions which include rotation, oscillation, wire feed and AVC.

Must provide minimum 6" radial clearance.

Must provide 6" of manual torch cross-seam adjustment.

Axial length of head must not exceed 13.5"

Must have ability to maintain radial clearance throughout size range.

Torch must be water cooled with a minimum rating of 200 Amperes (100% duty cycle).

Must have an AVC travel of 1.5" & Oscillation stroke 1.9"

Travel speed must be adjustable from 0.1 to 35 ipm

Must have an adjustable wire feed rate of 0 to 140 ipm

Torch must be adjustable for lead/lag ($\pm 15^\circ$) and tilt.

Must use be able to use multiple size wire spool and accept 0.030" to 0.062" wire.