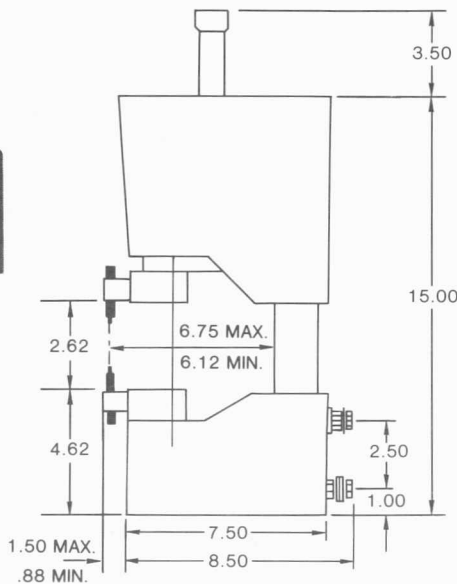


Model VTA-70

Heavy Duty Precision Weld Head



The large heavy duty Model VTA-70 provides versatility to a line of weld heads already renowned for their precision engineering, rugged durability and proven welding capability. The VTA-70 head with its great force range and large energy capacity brings Hughes precision electronic welding into an area of application for larger weld configurations. Electrode force ranges from 1 to 50 pounds and 2 to 100 pounds are available; the head is continuously adjustable over these ranges. A vernier adjustment makes possible exact selection and resetting of welding force. Rugged bearings assure precision, continuous duty operation even at these high force settings with offset electrodes. Other features include simplified setup procedures, complete adjustability, maximum throat depth, and the fast, positive welding action found in all Hughes weld heads. Internal construction is identical to that shown on page 11 with the exception that parts sizes have been increased to meet heavy duty requirements.



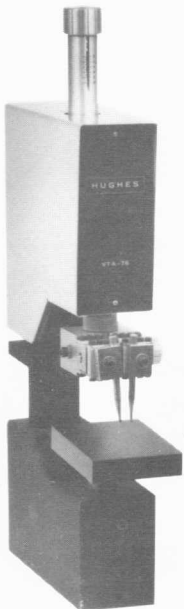
SPECIFICATIONS • Model VTA-70 precision heavy duty welding head for larger electronic and electromechanical welding configurations.

Throat Depth	6.12 in (155 mm) standard
Vertical Work Opening	2.62 in (66 mm) standard, 6.00 in (152 mm) specify VTA-70-ML
Electrode Force, continuously adjustable	
Model VTA-70	2-100 lbs (1-45 kg)
Model VTA-70-MA	1-50 lbs (.50-23 kg)
Model VTA-70-MB	1-10 lbs (.50-4.5 kg)
Maximum Weld Energy Capacity	1000 watt-seconds
Operation Mode	Foot pedal or swing pedal (recommended)
Switchcord	25.00 in (635 mm) long, Amphenol 80MC2M attached
Equipment Included	One pair .25 in (6 mm) electrodes of RWMA-2 alloy, two No. 1 weld cables 15.00 in (381 mm) long
Dimensions (H×W×D)	18.75 × 2.50 × 7.00 in (476 × 64 × 178 mm)
Weight	40 lbs (18 kg) net, 45 lbs (20 kg) shipping
Additional Equipment Required	Swing pedal (recommended) or foot pedal, and welding power supply

NOTE: VTA-71 same as VTA-70, but with air actuation (115 V, 50-60 Hz). When ordering VTA-71 specify voltage input. Either 115 V or 230 V, 50 or 60 Hz. VTA-70 or VTA-71 available in current divide type; specify VTA-70-CD or VTA-71-CD.

Model VTA-76

Heavy Duty Welding Head, Parallel Gap Series Type



This versatile head has been engineered to meet rugged production oriented requirements. All the outstanding features of the VTA-66 head have been incorporated in this head. To meet the heavy duty requirements, it is constructed like the VTA-70. The patented compliant tip assembly allows the electrodes to be in close proximity and insures nearly vertical incidence, thus preventing electrode skid. Designed for larger work, this rugged design makes possible fast changes of gap setting. Tips conform to irregular work surfaces, head rotates 180° on mounting column. Other features include built-in 3:1 mechanical leverage, positive anti-rotation bearing for electrode stability, adjustable work table, mechanical up and down stops and cantilever action in compliant tip assembly for fast follow-up and low inertia.

SPECIFICATIONS • Model VTA-76

Throat Depth	6.00 in (152 mm)
Vertical Work Opening	Adjustable to 2.00 in (51 mm) standard; 6.00 in (152 mm) available — specify "long column"
Electrode Force, continuously adjustable	2-100 lbs (1-45 kg)
Maximum Weld Energy Capacity	1000 watt-seconds
Operation Mode	Foot pedal or swing pedal (recommended)
Switch Cord	25.00 in (635 mm) long, Amphenol 80MC2M
Equipment Included	One pair .25 in (6 mm) electrodes of RWMA-2 alloy, two No. 1 weld cables 15.00 in (381 mm) long
Dimensions (H×W×D)	18.75 × 2.50 × 7.00 in (476 × 64 × 178 mm)

NOTE: VTA-77 same as VTA-76, but with air actuation.

Consult Hughes METAL STICKERS for additional information — 619-438-9191, Ext. 540.