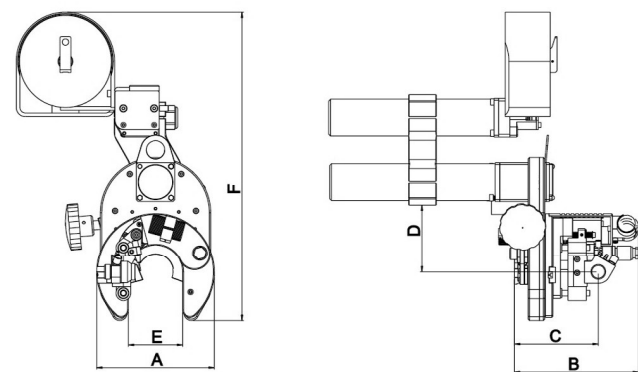


TOA50

Narrow Spacing Pipe/Pipe Orbital Welding Head



Dimension of TOA50

Technical specification

Tube OD (mm)	Φ32 ~ Φ51
Tungsten diameter (mm)	Φ3.2
Wire diameter (mm)	Φ1.0
Rotation speed (rpm)	0.25 ~ 5.02
Cooling	Water
Dimension (mm)	
A	128
B	155
C	85 ~ 97
D	78
E	59
F	360
Weight (kg)	5



Summary

This welding head is special designed for tube to tube TIG welding, suitable for carbon steel, stainless steel tube to tube(OD32~51mm) butt joint, mainly for wire feeding or self-fusion with AVC & OSC function. It is compatible with iOrbital 5000 programmable orbital welding power source to achieve accurate orbital TIG welding for tube/tube welding with high repeatability. It's mainly used for chemical, food, engineering installation, boiler, military, nuclear industry and so on.

Features

- Main consists of: rotation system, clamping device, transmission system;
- Light Aluminum body structure, adjustable clamp suit for different diameter tubes;
- No clearance gear transmission, smooth rotation with less inertness or block;
- Motorized AVC & OSC function suit for multi-pass welding ;
- Suitable for middle and thick wall thickness carbon steel, stainless steel tube orbital welding;
- Water circuit cooling, achieving long time working;
- Suit for wire feeding or fusion welding;
- Widely used for tube/tube, tube/elbow, tube/flange, tube/valve onsite installation.

