



# FOH

## Orbital Weld Heads

Open weld heads for mechanized TIG  
Orbital welding of tube connections  
(outer diameter range of 8 - 273 mm /  
0.31 - 10.74 inch).

### Features

- Servo motor drive
- Automatic move-to-opening position
- Free definable starting position
- Free adjustable clamping- & centering system
- Mechanical tracking for a constant electrode distance
- Torch holder 0 - 45° tiltable
- Manual lateral adjustment of the electrode
- Orbital welding torch with insulated torch body and high duty cycle

### Accessories / options

- Orbital welding torch TTGO F++/ 5 m
- Orbital welding torch TTWO 2000 F++/ 5 m (not useable with FOH 8-40)
- AVC / OSC module (only with FOH 20-114, FOH 40-168 und FOH 88-273)
- Wear part box for torches
- Extension hose pack FCH / FOH 10 m (393.70 inch)
- Wire feeder KD 4000 D-11
- 2-axis wire adjustment
- Wire feeding (wire-Ø 0,8 - 1,2 mm / 0.03 - 0.05 in)
- Spring balancer
- Orbital system controller FPA 3020/3030/4030



Optional AVC / OSC module, compatible with  
FOH 20-114, FOH 40-168 und FOH 88-273



Transport case with trolley

# Technical data

Orbital welding torches		
	TTGO	TTWO
Duty cycle	-	DC 100% 200A AC 100% 140A
Ø Electrode	2,4 / 3,2 mm (0.09 / 0.13 inch)	2,4 / 3,2 mm (0.09 / 0.13 inch)
Cooling	Gas	Water
Net weight hose pack	1,9 kg (4.19 lbs)	1,9 kg (4.19 lbs)

Weld heads								
	FOH 8-40	FOH 10-76	FOH 20-114	FOH 20-114 AVC/OSC	FOH 40-168	FOH 40-168 AVC/OSC	FOH 88 - 273	FOH 88 - 273 AVC/OSC
Tube outer-Ø	8 - 40 mm (0.31 - 1.57 inch)	10 - 76 mm (0.39 - 2.99 inch)	20 - 114 mm (0.79 - 4.49 inch)	20 - 114 mm (0.79 - 4.49 inch)	40 - 168 mm (1.57 - 6.14 inch)	40 - 168 mm (1.57 - 6.14 inch)	88,9 - 273 mm (3.5 - 10.74 inch)	88,9 - 273 mm (3.5 - 10.74 inch)
A	120 mm (4.72 in)	230 mm (9.06 in)	260 mm (10.24 in)	300 mm (11.81 inch)	400 mm (15.75 inch)	370 mm (14.45 inch)	465 mm (18.30 inch)	530 mm (20.86 inch)
B	40 mm (1.57 inch)	64 mm (2.52 inch)	90 mm (3.54 inch)	137 mm (5.39 inch)	134 mm (5.28 inch)	162 mm (6.37 mm)	180 mm (7.08 inch)	220 mm (8.66)
C	145 mm (5.70 inch)	171 mm (6.73 inch)	210 mm (8.26 inch)	210 mm (8.26 inch)	266 mm (10.47 inch)	265 mm (10.43 inch)	410 mm (16.14 inch)	398 mm (15.66 inch)
D	95 mm (3.74 inch)	108 mm (4.25 inch)	111 mm (4.37 inch)	173 mm (6.81 inch)	111 mm (4.37 inch)	173 mm (6.81 inch)	125 mm (4.92 inch)	205 mm (8.07 inch)
E	77 mm (3.03 in)	91 mm (3.58 in)	91 mm (3.58 in)	160 mm [+/-15 mm] (6.29 inch) [+/- 0.59 in]	91 mm (3.58 in)	160 mm [+/-15 mm] (6.29 inch) [+/- 0.59 in]	105 mm (4.13 inch)	190 mm [+/-15 mm] (7.48 inch) [+/- 0.59 in]
AVC motion	-	-	-	20 mm (0.78 inch)	-	20 mm (0.78 inch)	-	20 mm (0.78 inch)
OSC motion	-	-	-	30 mm (1.18 inch)	-	30 mm (1.18 inch)	-	30 mm (1.18 inch)
Net weight (without hose pack)	1,87 kg (4.12 lbs)	2,39 kg (5.27 lbs)	3,97 kg (8.75 lbs)	5 kg (11.02 lbs)	6,96 kg (15.34 lbs)	9 kg (19.84 lbs)	16 kg (35.27 lbs)	19 kg (41.88 lbs)

