

WELD HEADS FCH 3-21 / 3-38 / 6-76 / 9-114

/ TIG Orbital welding without filler wire



/ Closed weld heads for mechanized TIG Orbital welding of thin-walled tube connections with outer-diameters from 3 - 114 mm (0.12 - 4.49 in) and wall thicknesses up to 3,5 mm (0.14 in) made of stainless steel, titanium, austenite nickel-chromium-based superalloys, aluminum and other materials in application areas: microelectronics, biochemical industry, food industry, instrumentation, aerospace and aeronautics, etc.

FEATURES

- / FCH weld head with hose pack 8 m
- / High duty cycles due to top performance watercooling
- / Integrated servomotor
- / Automatic drive to opening position
- / Free defineable starting postion
- / Automatic drive stop when overloaded
- / Compact design for use in areas with limited access
- / Protection chamber for gas-covering to avoid coloration
- / Clamping system for easy and fast fixing and centering
- / Quick change system for collets
- / High usability due to integrated control buttons
- / Transport case with trolley-system

ACCESSORIES

- / Collets set for different tube diameters
- / Customized collets
- / Offset electrode holder
- / Stepless adjustable electrode holder
- / Extension hose pack FCH/FOH 10 m (393.70 in)
- / Orbital system controller FPA 3020/3030

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INTEGRATED BUTTONS

- 1 / LED indicator for 360° limit switch position
- 2 / Start/Stop welding
- 3 / Torch rotation
- 4 / Immediate welding stop / Gas- and cooling test



/ Spring loaded clamping system



/ Perfect welds due to closed chamber

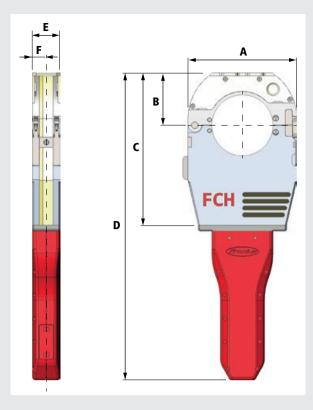


/ Stepless adjustable electrode holder



/ Transport case with trolley





TECHNICAL DATA

	FCH	FCH	FCH	FCH
	3-21	3-38	6-76	9-114
Tube	3 - 21 mm	3 - 38 mm	6 - 76 mm	9 - 114 mm
outer-Ø	(0.12 - 0.83 in)	(0.12 - 1.10 in)	(0.24 - 2.99 in)	(0.35 - 4.49 in)
A	70 mm	102 mm	160 mm	200 mm
	(2.76 in)	(4.02 in)	(6.30 in)	(7,87)
В	36,5 mm	51 mm	77 mm	97 mm
	(1.44 in)	(2.08 in)	(3.03 in)	(3.82 in)
С	143 mm	174 mm	224 mm	264 mm
	(5.63 in)	(6.85 in)	(8.82 in)	(10.39 in)
D	358 mm	389 mm	453 mm	493 mm
	(14.09 in)	(15.31 in)	(17.83 in)	(19.40 in)
E	35 mm	35 mm	40 mm	40 mm
	(1.38 in)	(1.38 in)	(1.57 in)	(1.57 in)
F electrode position	17,5 mm	17,5 mm	20 mm	20 mm
	(0,69 in)	(0,69 in)	(0.79 in)	(0.79 in)
electrode-Ø	1,6 / 2,4 mm (0,06 / 0,09 in)			
Net weight incl. hose pack	5,89 kg	6,45 kg	11,93 kg	13,66 kg
	(12.99 lbs)	(14.22 lbs)	(26.30 lbs)	(30.12 lbs)

/ Perfect Welding / Solar Energy / Perfect Charging

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