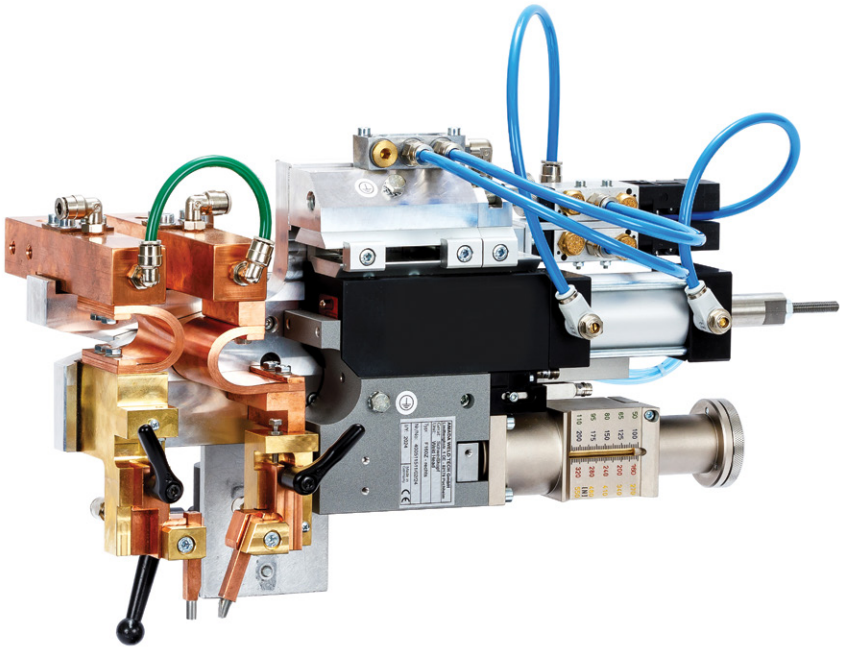


F160-Z
Pneumatic Pincer Weld Head

Designed for use in automation or benchtop welding, AMADA WELD TECH's F160-Z weld head utilizes a floating bearing system with locking cylinder and excellent follow-up force to allow for superior welds and a wide range of applications. The pneumatically controlled floating mechanism ensures that parts are precisely centered between the electrodes before welding. Maximum reliability and ease of maintenance generate an outstanding cost of ownership and a very long product life.

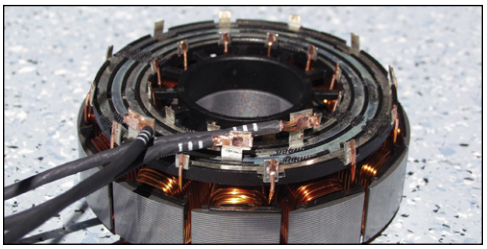
F160-Z BASIC CONFIGURATION

- 20 degree active electrode
- 0 degree passive electrode
- Force adjust cylinder with knob
- Quick change electrode holders
- Water cooled bus bars and electrode holders

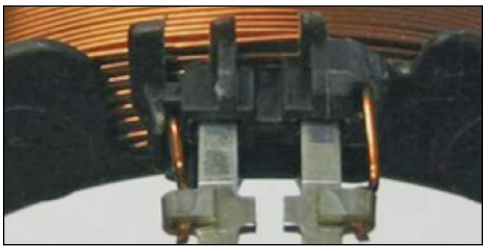
KEY FEATURES

- Self centering pincer style weld head
- Fast follow-up
- Force activated firing switch
- Quick change electrode holders
- Displacement and force options
- Pneumatically actuated force mechanism
- Durable and robust head design
- Left or right hand orientation options
- Automation ready

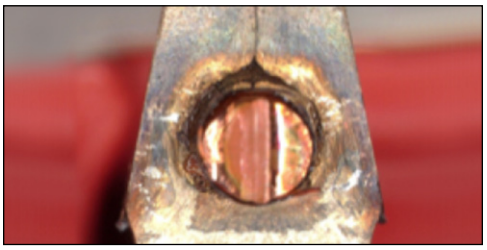
TYPICAL APPLICATIONS



Terminal connections for sensors



Tang weld for coil termination



Fork weld for motor lead termination

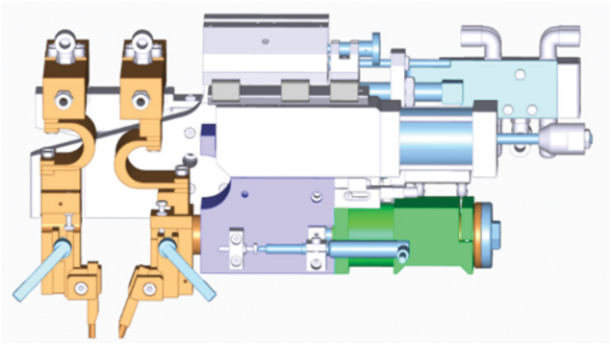
TECHNICAL SPECIFICATIONS

Model number	F160-Z
Force range	11 – 124 lb (50 to 550 N)
Weld force method	Spring force setting via knob
Actuation method	Pneumatic pincer
Electrode stroke	1.18 in (30 mm)
Electrode holder	7.5 mm x 7.5 mm square, quick change holder
Electrode configurations	20° right, 0° left / 20° left, 20° right
Throat depth	3.0 in (76 mm)
Weld head orientation	Horizontal or Vertical
Welding current	7500 A

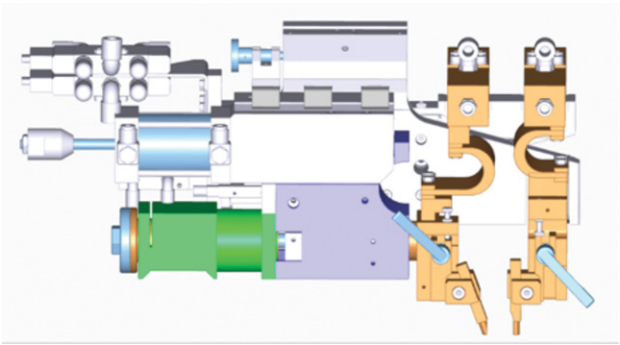
WEIGHT & DIMENSIONS

Dimensions (L x W x H)	8.7 in x 8.3 in x 16.4 in (221 mm x 211 mm x 415 mm)
Weight	33 lb (15 kg)

WELD HEAD CONFIGURATIONS



F160-Z-Right



F160-Z-Left

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